07 DESIGN GUIDELINES

MASTER PLAN DESIGN GUIDELINES

VISION AND GOALS

The Olive View – UCLA Medical Center has a rich history that can be traced back to a more natural setting and a scale that blended with a spectacular backdrop of the Angeles National Forest. Our vision for the Master Plan is to re-capture the spirit of the place.

A successful master plan needs to have a long view so the initial phases have a road map to the ultimate vision. The initial phases will begin the transformation and a key ingredient to include is the landscape strategy that sets the stage for reclaiming nature.

The goal for these guidelines is to provide a development framework to unify the campus fabric. However, the intent is not to mandate uniformity or replication of design. Unity of the campus fabric can be achieved through careful understanding of context, and sensitivity to the environment, both existing and future. A unified campus fabric includes nuanced variation that results from function, site, building technology advancements, and design expression.

Olive View - UCLA administrators and project managers must be fully engaged in the design process and will be the final arbiters of the preferred architectural approach pursued for each project.

PURPOSE

Design guidelines reflect the unique qualities found in each institution and their culture. These guidelines work to achieve coherence and unity across the campus. Design guidelines serve as a tool to further define the physical planning goals of the master plan and provide design direction for implementation. These campus-wide design guidelines describe the Olive View – UCLA Medical Center's expectations for facility improvements and future development. They provide a flexible framework that allows the vision of the master plan to develop incrementally through influences from various leaders, designers, and planners.

The Design Guidelines help to unify the campus under an approach and philosophy that connects buildings both with one another and with the landscape to form an integrated and architecturally rich campus setting. They are intended to guide staff as they design, construct, and maintain the campus, as well as clarify OVMC's expectations for design professionals that are commissioned by the medical center. When successfully applied, the campus-wide design guidelines will further enhance OVMC's overall appearance.

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

DESIGN FRAMEWORK

The following are overarching goals to achieve the Design Guidelines:

- Neighborhoods
- Community
- Environment
- Place Making

NEIGHBORHOODS

The master plan strives to create neighborhoods or campus zones upon which to organize development and relate to the surrounding context and community. The following are ways in which this can be achieved:

- Recognize the suburban character of the site's surrounding community and its regional landscape allowing for a development scale appropriate to the site's context including landscape character.
- Create streetscapes within the campus and along Olive View efficient for vehicle traffic, safe and pleasant for pedestrian passage.
- Anticipate future developments and identify possible mixed use zones to create a healthcare campus neighborhood that encourages community use and economic activity within the site, such as public parks, community facilities, childcare amenities, other medical offices, short and long term housing, senior living, hospitality developments with retail, commercial, and food service components.

7.01 Photo of garden designed to appropriate scale and character

COMMUNITY

The master plan encourages community involvement and interaction. This can be achieved by:

- Capitalize on the site's natural landscape and proximity to existing recreational open space for resource sharing, allowing for community participation in new and enhanced amenities. Amenities include community shared therapy, wellness gardens, and trails; campus and community shared recreational garden trails for passive and active recreation, encouraging walking, biking, hiking, and horseback riding through a system of interconnected outdoor garden and fitness trails, bike paths, and equestrian trails.
- Create outdoor places for campus and community use including day markets and farmer's market use, areas for active recreation such as sports courts, picnic areas, community gardens, and children and family parks.
- Connect the medical campus to neighboring city amenities through planning for linkages to public transport, bike, and equestrian access to and from the campus.

7.02 Example of community interaction and participation

ENVIRONMENT

The inherit characteristics of the site should be echoed in the master plan with emphasis on a connection back to nature and development at an appropriate scale. This can be achieved by:

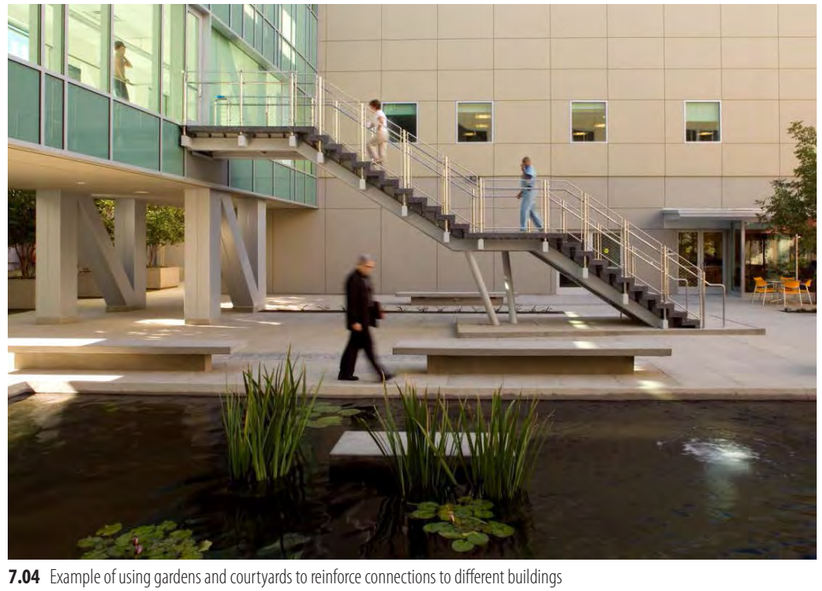
- Recognize the site's topography, existing land use, existing buildings and infrastructure, utility easements, and how they are affected and how they influence the development strategies for a new healthcare campus.
- Express the importance of the relationship of the site to future land use and its impact to the natural environment, including the site's proximity to dry river beds and the scarcity of water, proximity to two debris basins and site's exposure to natural hazards such as flooding, fire, and landslides.
- Celebrate the site's topography and the adjacent mountains expressed in the placement of buildings & utilities, site viewpoints, circulation and access routes, and outdoor use zones.
- Integrate sustainable elements with the building and landscape allowing for the best sustainable strategies and technologies, such as stormwater harvesting, stormwater management, waste recycling, gray water reuse, solid waste management, solar power harvesting, greenhouse gas reduction, and reduced carbon footprint.
- Integrate ecological restoration processes in the landscape design to restore or return wherever possible the natural vegetation and habitats of the surrounding landscape of the San Gabriel Mountains. Include demonstration gardens that exhibit California native flora, climate, and natural processes of water – soil – vegetation.
- Create an organized plant palette reflective of local climate and native vegetation, expressed as a confluence of site's geographical location and characterized by the site's microclimates and diverse ecological zones.
- Inform and educate the campus users and visitors about the site's 'biomes' or 'ecozone' and local hillside and valley climate through the design of landscape planting, hardscape elements, and sustainable strategies used including site vegetation management through zero or low water use and composting.
- Design for resiliency with strategic awareness of the site's physical challenges addressing the site's semi arid, long and dry, hot summers and recent regional climate changes that has increased the number of extremely hot days, volatile rainfall, exacerbating the potential for forest fires and likelihood of flooding.

PLACEMAKING

Placemaking for the future campus can be achieved through visual and physical connections between buildings and the landscape. Some of the ways to accomplish this include:

- Design the landscape to reinforce and establish the scale, rhythm, spatial configuration between building and landscape.
- Demonstrate clear wayfinding and linkages in circulation and movement throughout the campus.
- Convey visual continuity through materials and concept throughout the campus for coherent design and visual aesthetics.
- Create a unique campus landscape character using sustainable strategies in restoring the landscape ecology inherent in this hillside site.

7.03 Creating an environment to bring together, designed for different functions



7.04 Example of using gardens and courtyards to reinforce connections to different buildings

ARCHITECTURAL DESIGN GUIDELINES

The Design Guidelines are categorized into four elements of design:

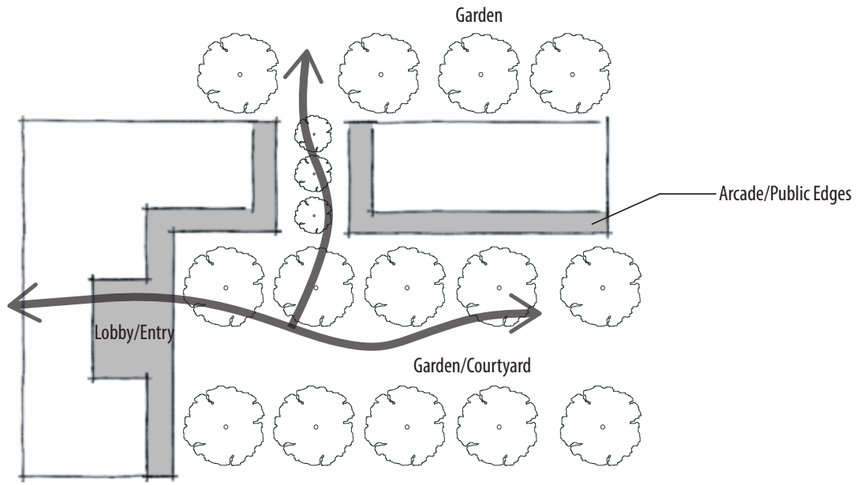
- Attributes
- Components
- Materials
- Sustainability

ATTRIBUTES

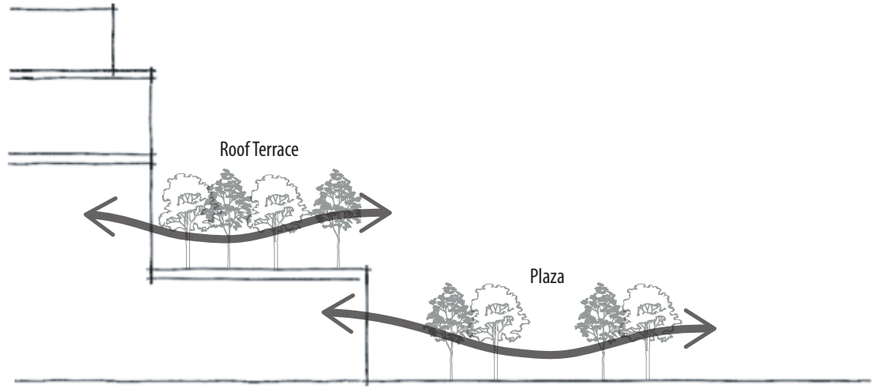
The architectural expression envisioned for Olive View – UCLA Medical Center is one that reclaims the natural setting and scale that once was the essence of this region. The campus had a historically greater relationship with the natural setting with greater emphasis on the landscape than on the buildings and parking. The brand and image proposed in the Master Plan strive to enhance the place to be inviting and complement the natural context through attention to detail and scale. The vision is to have a composition of buildings, gardens and outdoor rooms that transform OVMC into a 'healing' campus.

Plazas, courtyards, and connections to overall outdoor circulation patterns should be developed as part as each building's form. The architecture should also work in collaboration with the Landscape Design by emphasizing forms that shape outdoor space and enhance the pedestrian experience.

Although the existing hospital building remains a dominant architectural feature -based on the response to the needs at the time it was built - the long term development of the campus provides an opportunity to reshape the campus into a collegial typological response. This response must include massing that is in scale to the broader context, and hierarchy of scale where no building is greater than 4 stories, unless deemed appropriate for a single building (like a replacement hospital) but should never exceed the height of the existing hospital building.



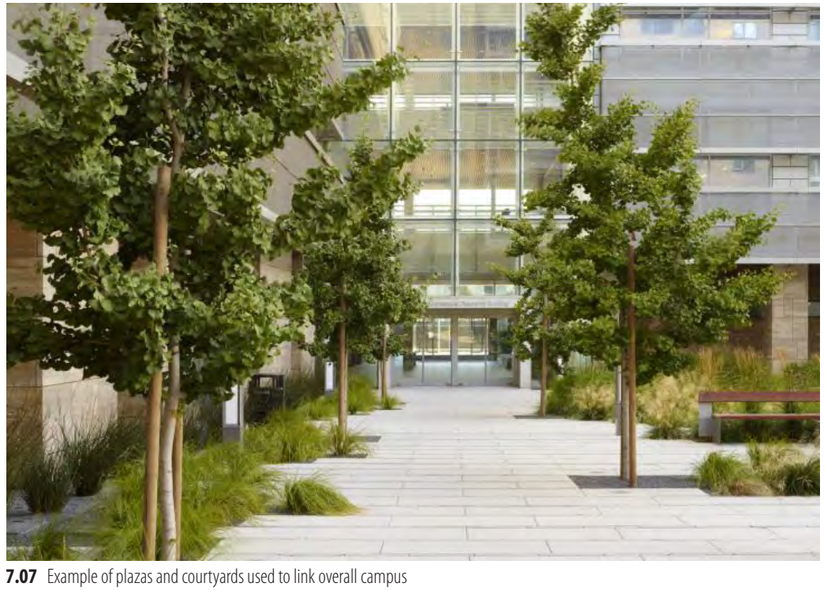
SITE PLAN



BUILDING SECTION

7.05 Connection of indoor and outdoor environments using roof gardens, courtyards, and arcades

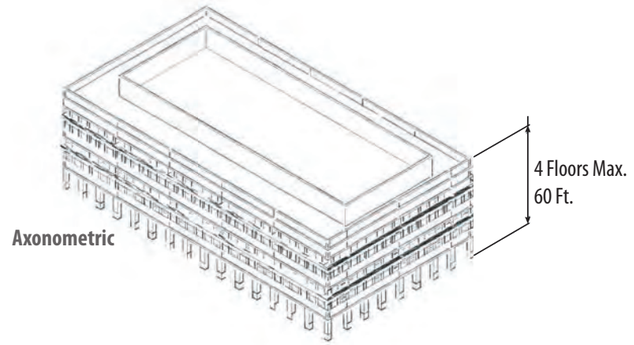
7.06 Example of connection between indoor and outdoor environments



7.07 Example of plazas and courtyards used to link overall campus

BUILDING HEIGHT DIAGRAM

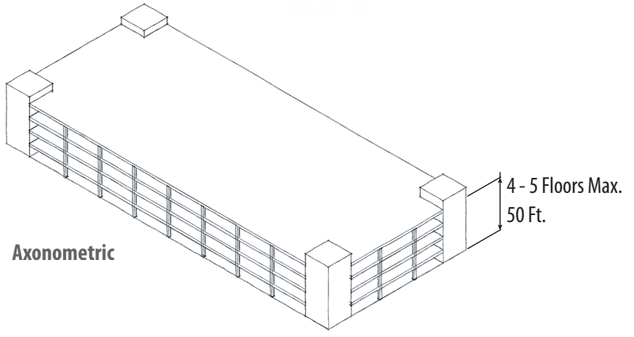
Elevation



Axonometric

PARKING STRUCTURE HEIGHT DIAGRAM

Elevation



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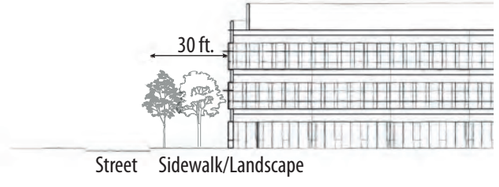
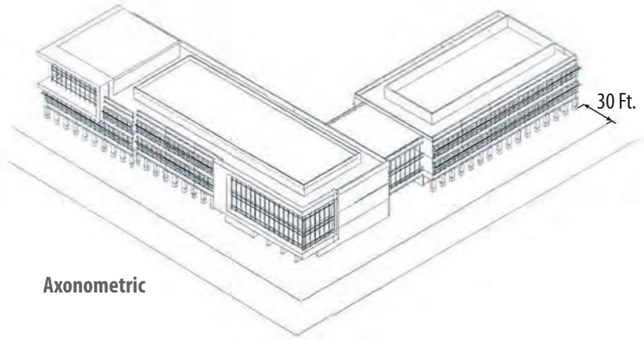
BUILDING SETBACK DIAGRAM



Section

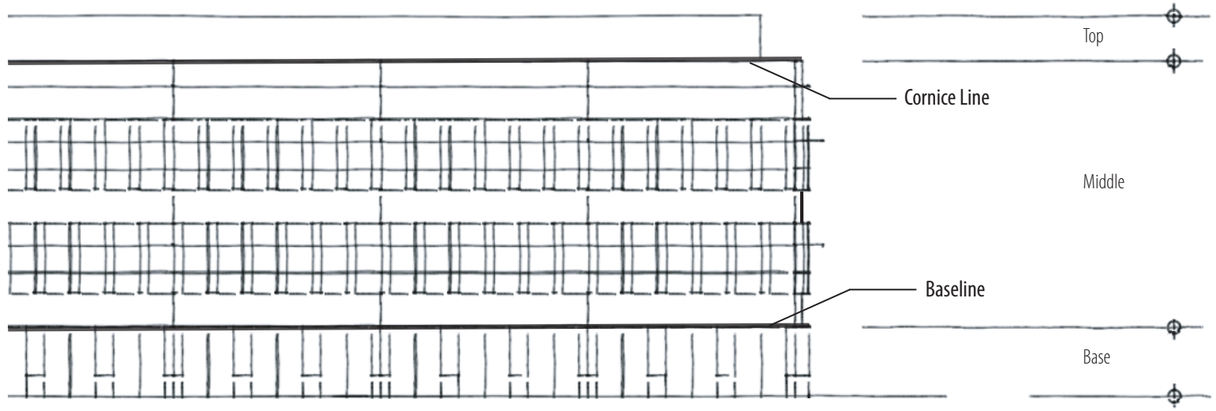


Axonometric

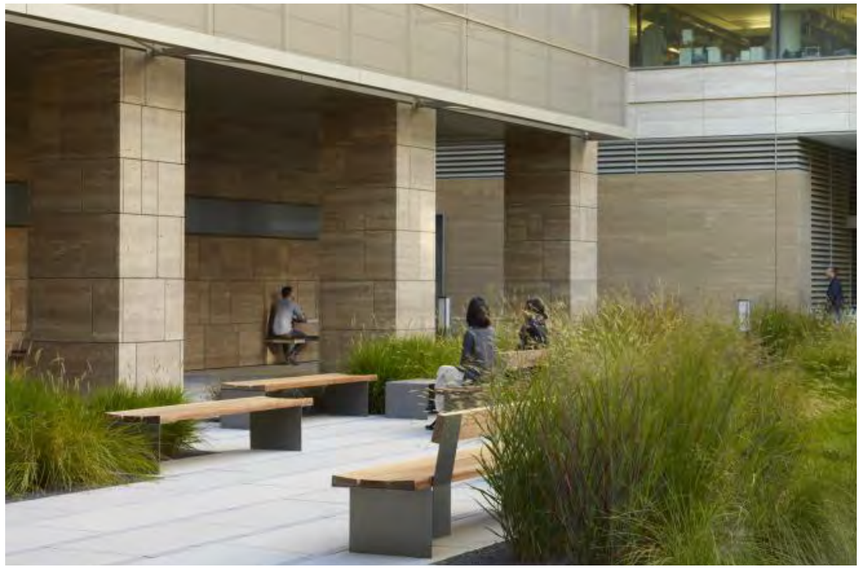
7.08 Building Height and Setback Diagrams

Another aspect of hierarchy deals with the exterior architectural expression where **the building expression is broken down into three major components; base, middle and top.** This approach gives order to the building façade as well provides a pedestrian scale that is more appealing and approachable. The base should be more articulated to further break down the scale. This can be achieved through the use of a building material that enhances modularity. The middle should be the prominent architectural expression and expansive uses of curtain wall should be avoided, however the use of large areas of glass can be used as a visual cue of entry. The top should be articulated with minimal exuberance and pitched roof forms should be avoided.

Building heights of three to four floors with the exception of mechanical penthouses best achieves this objective. However, programmatic needs may require the actual building heights to exceed four floors. For building four floors or taller, the perceived and experienced building height should be established by reinforcing a datum at the third or fourth story. Architectural elements such as a cornice or a plan setback can mark this datum and help to reduce the overall perceived and experienced building height.



7.09 Building Scale Diagram



7.10 Photos of articulated building base with arcades and courtyards

COMPONENTS

Main entrances into new developments should be clearly defined to enhance wayfinding. The location of building entries and arcades animate the campus experience. Building entrances should be clearly visible and welcoming. To further enhance the entry experience, landscaping and plazas should be appropriately scaled. These entries should provide a sense of transparency and be inviting to pedestrians. Canopies can also be used as a visual cue as well as provide shade and inclement weather protection for vehicular drop-offs.

The pedestrian experience is an important aspect of the campus environment. **Building designs should emphasize forms that shape outdoor space and promote a pleasant and visually accessible pedestrian experience.** Buildings should provide non-programmed interior and exterior spaces to provide social interaction and opportunities for knowledge sharing and discovery. Common spaces for circulation including corridors, lobbies, galleries and arcades should be designed to promote interaction and informal learning. The use of arcades that connect campus buildings and exterior pedestrian movement is encouraged. This will also aid in the scale reduction of the building and provide a more porous exterior base to the architecture.

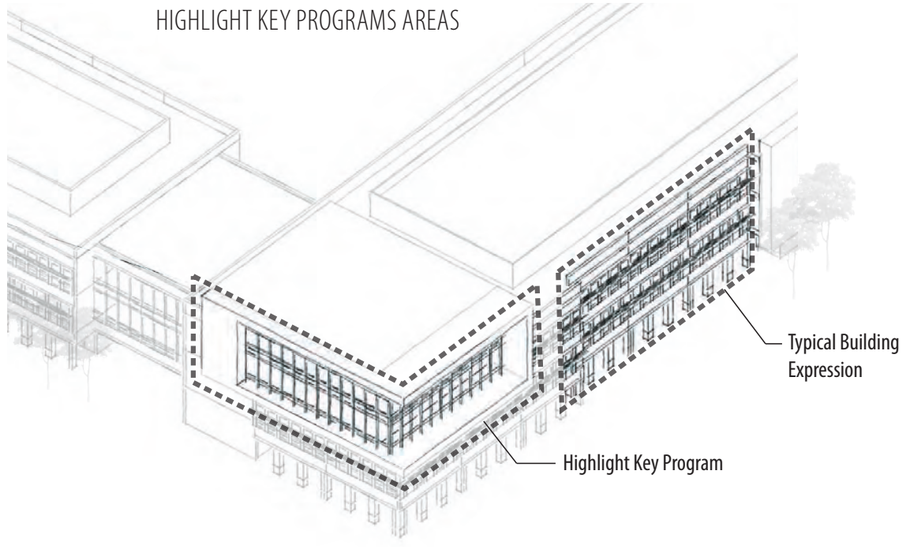
Exterior fenestrations should generally be vertical in proportion. The overall façade should be uniform with special expressions reserved for unique program elements. Horizontal ribbon windows and curtain wall facades should be avoided.

Service areas for buildings including loading docks should be integrated with the overall building design and materials. The service area should be located in alignment with the overall Campus Master Plan, minimizing vehicle and pedestrian conflicts. These areas should also incorporate screening devices to minimize the visual impact.

Vehicles are an integral aspect of campus development. Surface parking on the campus has historically satisfied all functional as well as economic needs. However, as campus growth and development continues, surface parking, existing and new, will consume valuable physical and visual real estate. For new development on campus, structured parking should be evaluated, and if determined viable, be provided.

Although no precedent exists on the campus currently, structured parking developments should be complementary to the context and follow the general building design principles outlined in these guidelines.

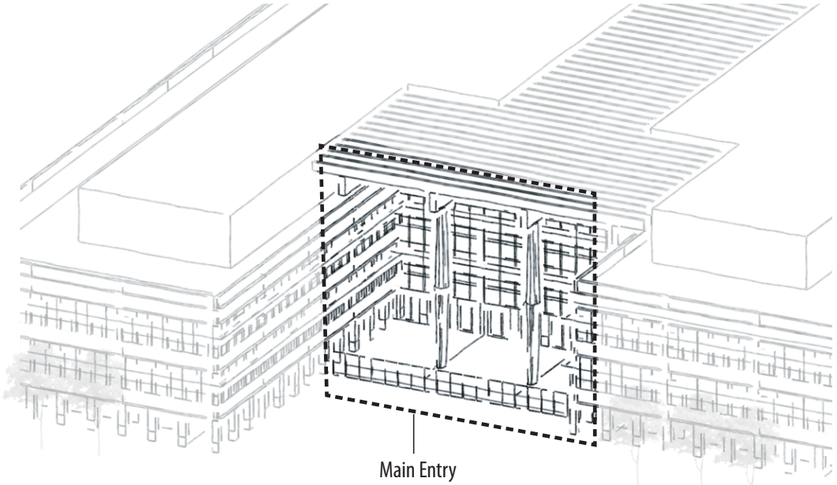
HIGHLIGHT KEY PROGRAMS AREAS



7.11 Example of highlighting building entrances and public spaces

7.12 Photo of parking structure facade

HIGHLIGHT MAJOR BUILDING ENTRANCES



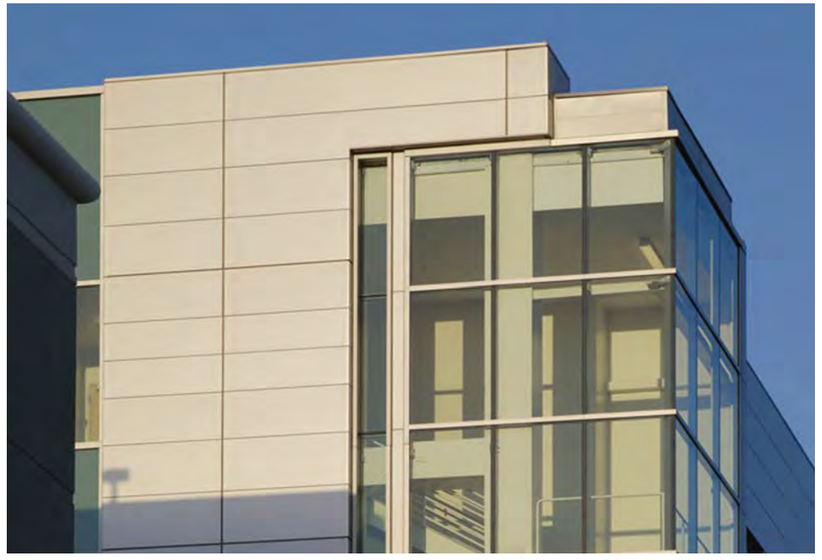
7.13 Diagram of buildings with key programmatic spaces highlighted on exterior

MATERIALS

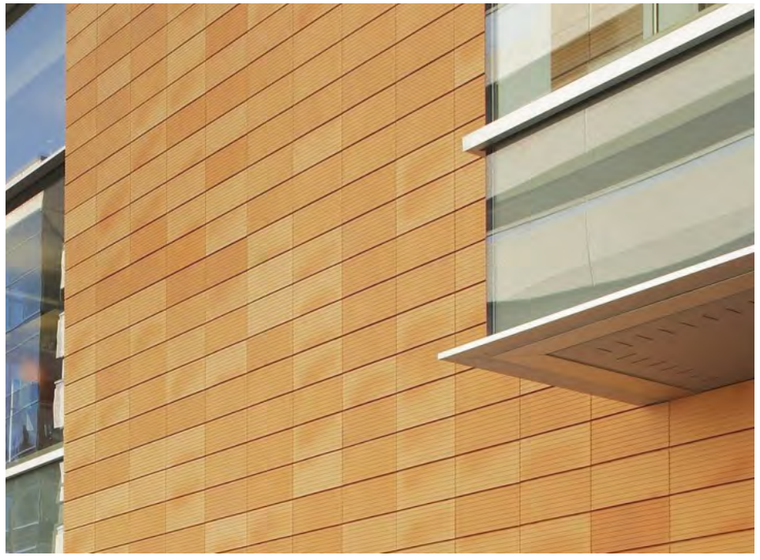
Consistent exterior cladding throughout the campus will create a sense of unity and continuity. The current campus predominantly uses concrete and curtain wall with smaller scale buildings utilizing stucco and brick. In an effort to provide a palette of continuity there should be a common building material that would consistently ground the buildings in the landscape. The architecture should be consistent with a vocabulary that compliments the natural surroundings.

Acceptable building materials should exhibit lasting, durable characteristics and ease of maintenance. They include terra cotta rain screens, architectural precast, stone (mostly as an accent or base material), aluminum mullion and panel systems, and curtain wall glazing systems. Glazing systems should be of high performance energy saving assemblies without the use of highly reflective or mirrored glass. In general, the glass should have a high visible transmittance while maximizing energy savings and should be low in color. Wood or wood veneer products should be used where feasible such as the underside of drop-off canopies to add warmth to the entry experience.

Color also plays an important part in threading a campus together. There should be a natural palette to reinforce the context. Buff, beige, and tan would be a consistent color range that would reinforce the connection to nature. Metal panel is also a good choice for accents whether it is used to highlight entrance, special features, or roof lines.



7.14 Example of Metal Panel System



7.15 Example of Terra Cotta Panel

7.16 Example of Architectural Precast Concrete

SUSTAINABILITY

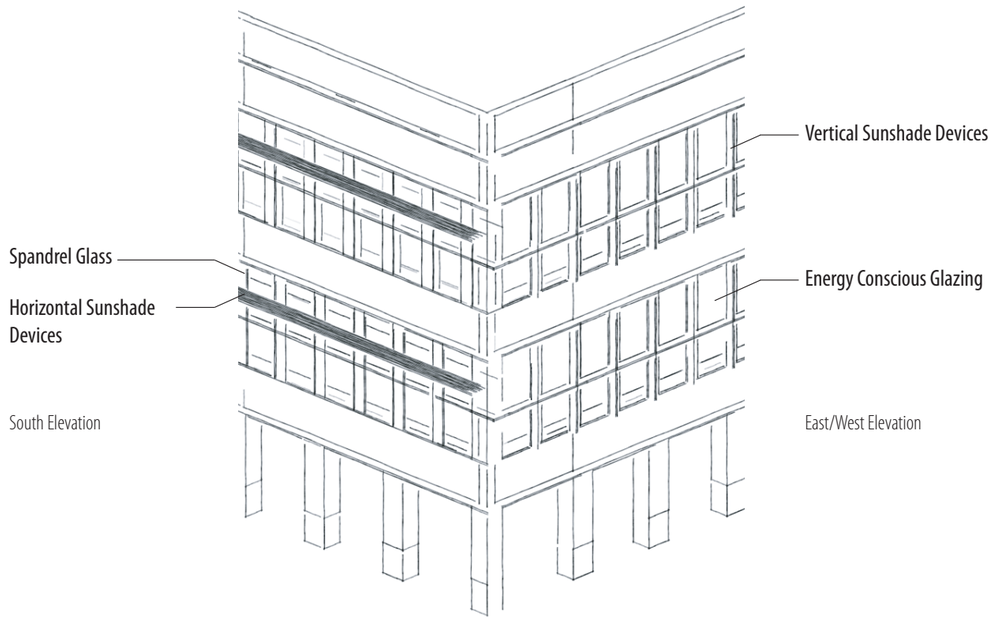
The existing hospital tower utilized concrete and highly reflective glass to address building orientation. The best energy efficient buildings utilize building orientation as the best passive means of controlling energy usage. All new buildings should orient their long faces to the south and north, however when site conditions preclude this every effort should be made to minimize the east and west exposures.

Façade openings should be shaded from direct solar exposure when appropriate. The exterior envelope of all new buildings should use horizontal sun shading devices to control the south exposures. The east and west benefit from vertical sun shading devices, however solar studies should be done to confirm the best strategies for solar control. Alternatively, deeply recessed fenestration systems could be successfully used and may also be considered. Either approach can be developed and leveraged to convey a unique architectural design expression.

The existing hospital tower could benefit from an architectural re-cladding system to greatly improve the energy efficiency of the building. A successful approach that has been used on similar projects is to develop a unitized curtain wall that could integrate sun shading systems into the fabrication that appropriately address the orientation. This approach can incorporate glazing or metal panels that would be compatible to the existing structural building system.

As outdoor rooms next to new buildings are added to the campus, an armature of canopies should be added to provide shade and protection from rain between various building programs. These should consist of a colonnade / support structure for a combination of metal and glass roofs. Where glass is used special attention should be made to provide a frit pattern that blocks 60% of the sun rays.

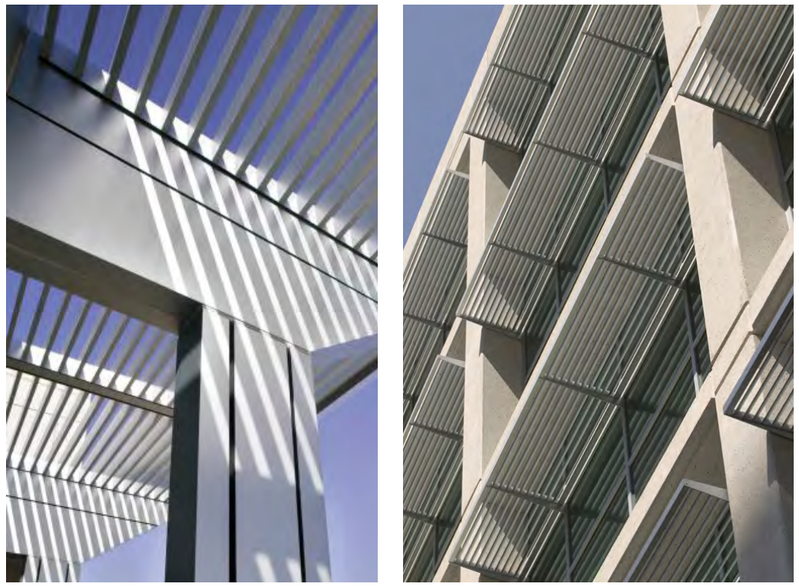
BUILDING EXTERIOR



7.17 Sustainable Design Strategies

SUNSHADE DEVICES WITH SPANDREL GLASS

7.18 Example of Horizontal Sunshade System



7.19 Examples of Exterior Sunshade Devices

LANDSCAPE DESIGN GUIDELINES

DESIGN PRINCIPLES

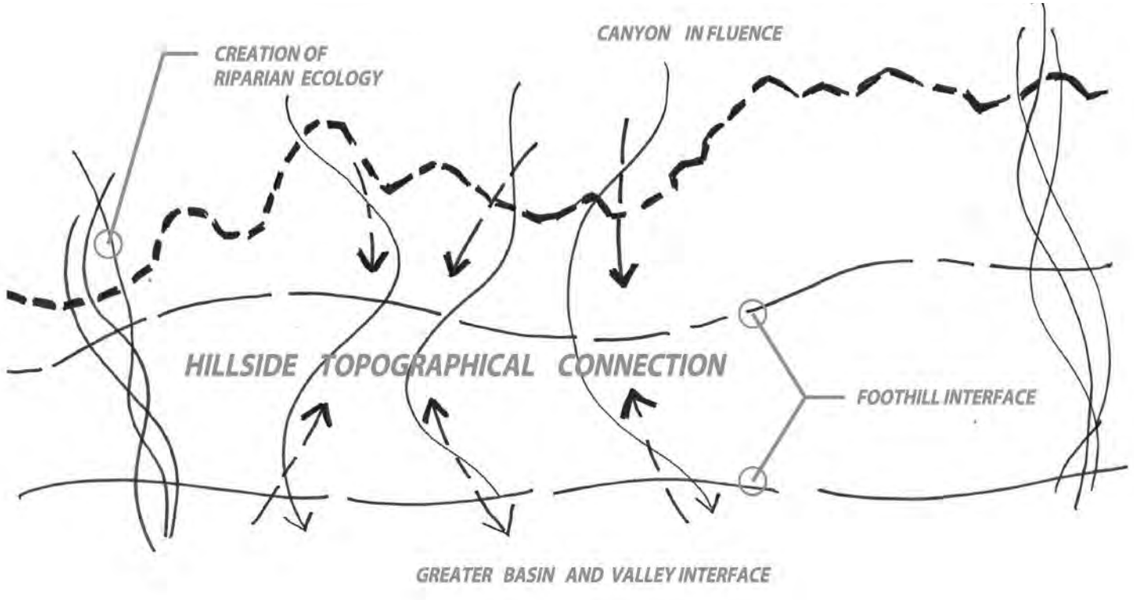
General
With healthful living as one of Olive View Medical Center's goals, the landscape must be inviting, comfortable, and accessible. The open space should have a hierarchy, ranging from a large scale park for recreation, most likely set under the Edison Easement, to more intimately scaled gardens and trails for use by the campus community. Designed to accommodate both individuals and groups, the gardens can take many forms: wellness gardens with varying themes, recreation and parcourse paths for exercise, rehabitation gardens for use by therapy departments, and outdoor spaces for gathering and dining. The character of the gardens should be linked to the selected site strategy, reinforcing institutional identity, wayfinding, and promoting engagement with the outdoors.

Sustainability
Sustainability will be addressed throughout the site, using Best Practices to manage stormwater, reduce the heat island effect, provide climate control, and minimize potable water use in the landscape. To this end, the landscape design should focus on using canopy trees along vehicle circulation routes, permeable paving for landscape terraces and paths, emphasizing deciduous trees along southern and western building façades, and limiting the plant palette to drought tolerant, fire resistant planting. In a warming climate, the use of trees or trellises to provide shade is paramount.

Resiliency
Because of its unique site, at the edge of the San Gabriel Mountains, the Olive View campus is threatened by both fire and flood. Fire resistant plants should be used to help create a buffer between the mountains and the facility, and care should be taken to maintain appropriate distances between canopy trees and building façades. Flooding and debris flows, typical of the Southern California chaparral ecology, must also be addressed through grading and infrastructure.

Viability
The site poses many challenges including inadequate organic matter and topsoil, excessive compaction, lack of permeability, and high heat, among others. In order to be a sustainably viable landscape, specific techniques should be implemented as part of site development: structural soil should be used when trees are set in paved zones, subsurface drainage provided to all tree wells, engineered soil used to create topsoil, bioswales and constructed wetlands strategically located to channel water.

A Healing Campus that Heals the Land
The confluence of the site's intrinsic physical attributes create a natural setting for a healing campus that brings together sustainable strategies for development and delivers wellness to the community and its patrons. These sustainable strategies are elements integral to the landscape design supporting the Olive View campus through the Nature's Edge planning concept.



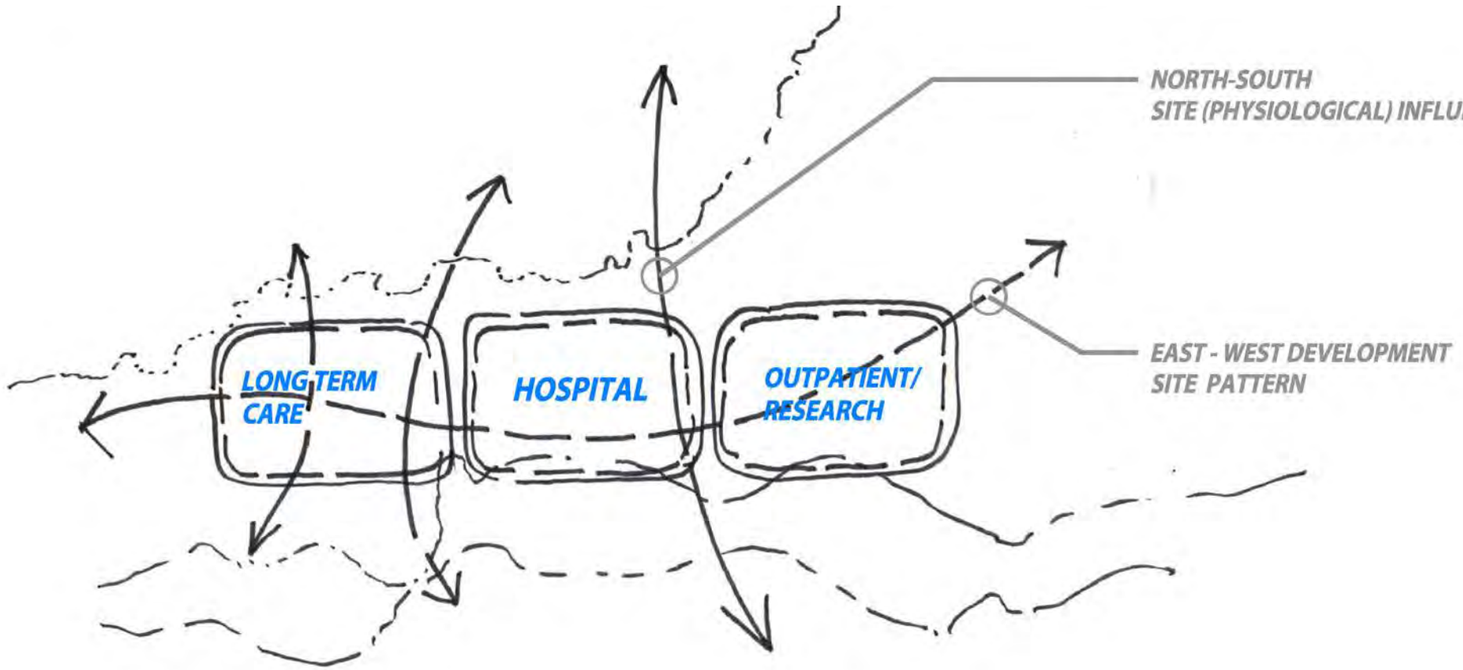
7.20 Landscape Concept Design

FRAMEWORK

The landscape planning goal for the OVMC campus is to create a conceptual framework and establish design guides intended to create opportunities in site planning and landscape design that will best provide visual and experiential coherence in the future developed site. These guidelines follow sensibilities considering the site's hillside context and natural landscape patterns. The following landscape design guidelines provide parameters in how building and outdoor spaces may be organized through a system of garden trails, how useful outdoor spaces for recreation and circulation can be identified, with clear wayfinding and linkages, and programmed site amenities that create a healthcare neighborhood that can be shared by campus patients and staff, visitors, and the neighboring community.

The landscape design guidelines focus on the ideals of site sensitive landscape that will sustain the land and its future development.

- Larger scale plantings should be used along street setbacks and vehicular entrances.
- Planting should help easily identify building entrances and assist in wayfinding at open green areas.
- Important street intersections and vehicle drop-off zones should have larger scale planting including gateway trees and specific planting entry palette for wayfinding and orientation.
- Larger canopy or gateway trees should be used to accent and provide prominence for major access points for building entrances and transition to outdoor spaces and to create hierarchy and differentiate between adjacent outdoor spaces.



7.21 Landscape Development Framework Diagram

LANDSCAPE SITE PLAN

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

7.22 Landscape Site Plan

7.23 Examples of gardens

COURTYARD GARDENS

The design will include outdoor healing gardens for hospital use, at the same time providing some garden areas that will be connected to a system of garden trails and will be accessible for community use.

Therapeutic gardens should include herbs and sensory plants for both the young and for adults. Memory gardens that contain intimate seating spaces and that invite reflection and meditation will also create new habitats and will celebrate the return and the renewal of local flora and fauna.

Gathering spaces, both private and open, will tie the landscape together and connect the outdoors to the buildings and the community to nature.

COURTYARD GARDENS

Special paving is encouraged to provide visual interest and define entrance zones at driveways and access drives.

Incorporate landscape art or playful design elements using large scale games, bocce courts, and functional art pieces as part of the Campus Art program.

Courtyards and gathering places should exhibit an interplay of architecture and landscape, emphasize indoor-outdoor relationships, views, and frame the landscape.

7.24 Examples of courtyards

PUBLIC SPACES

Outdoor public and campus landscape create opportunities for multi use space, community engagement and recreation.

7.25 Examples of public spaces

ENTRY AND PARKING

Landscaping should be used to create screens and buffers for parking areas, storage areas, trash/recyclable collection enclosures and provide separations between uses or activities.

Landscaping may also be used to soften the appearance of buildings and screen undesirable views from the public and surrounding uses. Visual screens, buffers from polluted air, such as from loading areas, service and parking yards, should be used with planting of vines on structures and naturally vertically or tall growing hedge plants.

Pedestrian friendly lanscaping should be integrated into parking areas.

All parking areas should have sufficient shade through landscape trees. Trees shall be planted and maintained in all parking lots at a ratio of 1 tree for every 4 parking spaces (clustered or grouped). The trees shall be placed throughout the parking lot in a manner that will ensure that all portions of the lot receive tree shade. Trees shall be of varieties that provide a broad canopy from the approved local and indigenous palette.

Landscape screening should be provided between parking lot and street right-of-way. Landscaping shall be designed and maintained for partial screening of vehicles to a minimum height of 3 feet, measured from the finished grade of the parking lot. Screening materials may include any combination of plant materials, earthen berms, solid masonry walls, raised planters, or other screening devices that complement the overall site landscape.

Sufficient landscape coverage for parking lots should be a minimum of 5 percent of the parking lot area covered with landscape when there are more than 20 parking spaces.

Parking lot design should include water quality stormwater facilities as part of the landscape design.

Large surface parking areas should be divided through the use of canopy trees and landscape improvements to reduce heat gain and provide landscape design opportunities as part of parking lot design.

Parking directly off building entrance drives and internal roads shall be kept to a minimum and restricted to emergency, accessible, and short-term parking only.

Fencing, gates, and similar outdoor structures and site furnishings should be designed to complement the architectural character of the surrounding buildings.

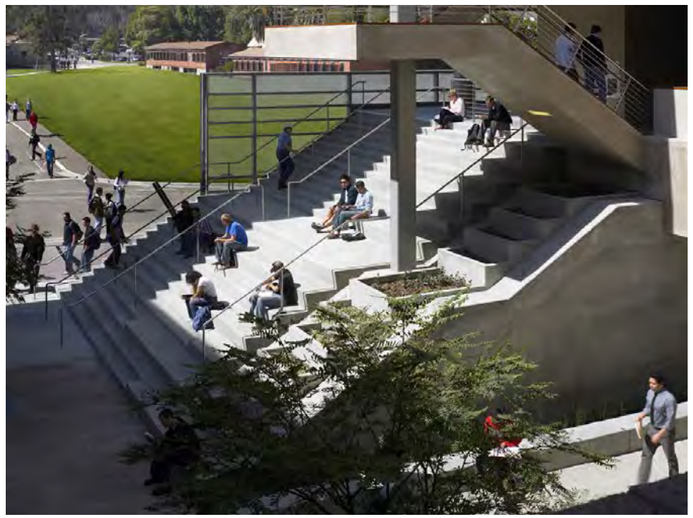
Entrance drives and roadways, where pavement exceeds two lanes, should have a minimum 10-foot wide landscape median.

All driveways and access drives shall adhere to sight visibility requirements.

Sidewalks and exterior walkways near buildings should be wide enough to allow two wheelchairs to pass easily.

Parking structures shall have a minimum landscape setback of 15 feet along all street frontages and next to adjacent structures.

7.26 Examples of parking structure landscape design



7.27 Examples of special outdoor spaces

SPECIAL PLACES

In order to serve a diverse set of needs and to create unique and dynamic spaces, the Master Plan will:

Identify courtyard opportunities around or near where existing mature trees exhibit significant health to encourage existing tree protection and preservation.

Design spaces for children and adults for therapeutic significance that stimulates the senses, provide for play or relaxation, rest and respite, conversation, or simply a place to sit.

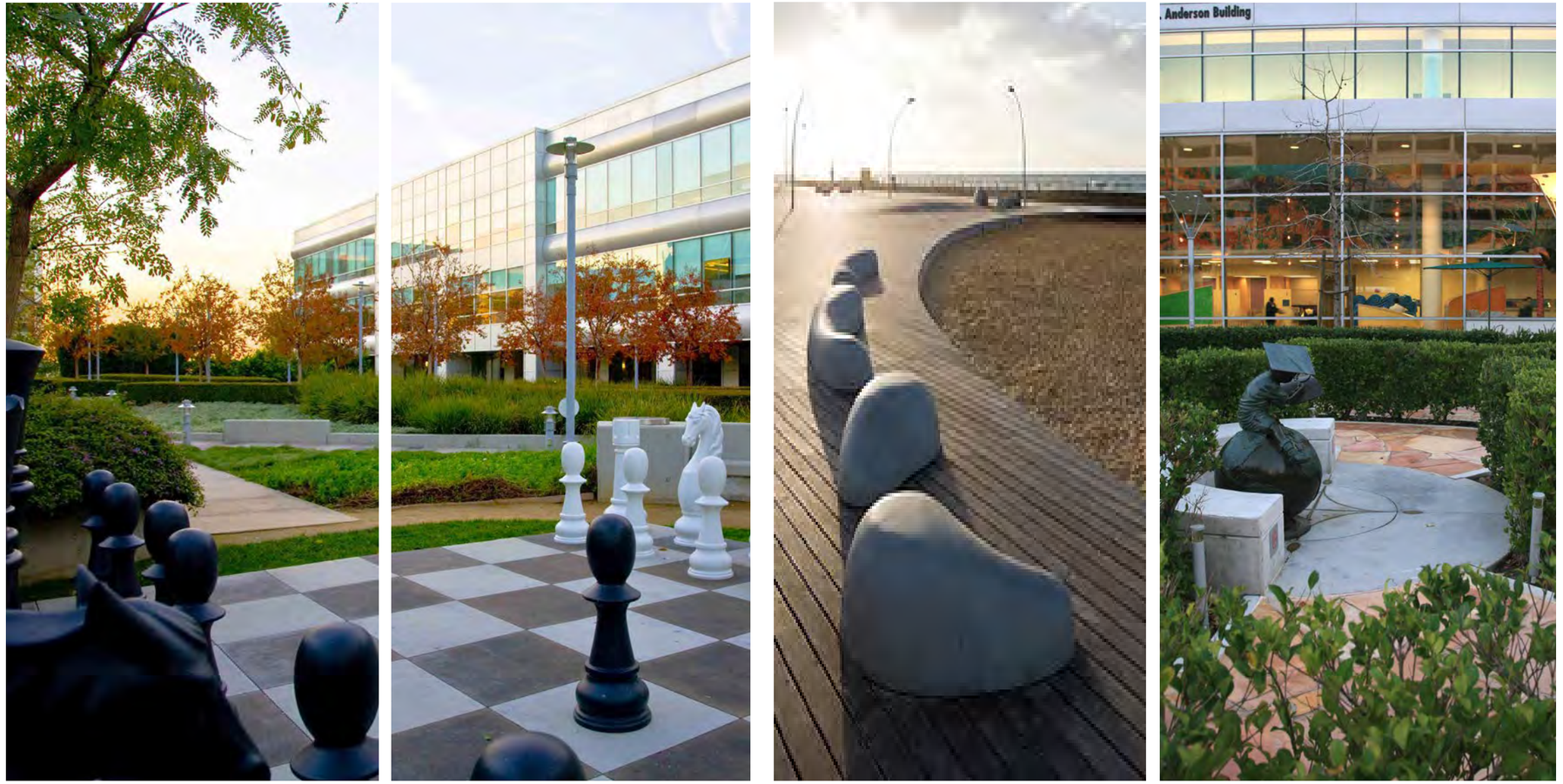
Courtyards should be provided that are specific, welcoming and accommodating to children, families, the elderly and individuals with mobility and medical needs.

COMMUNITY ART

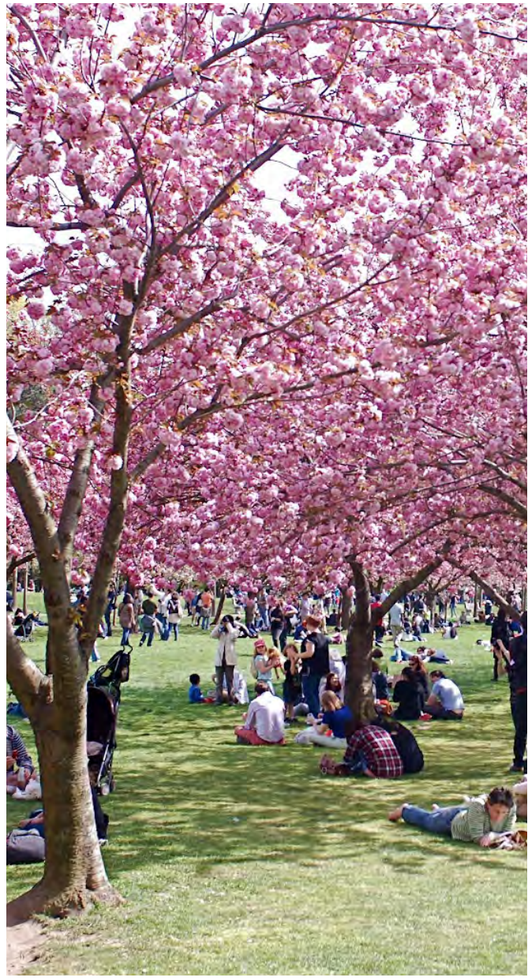
The Campus Art Program will:

Incorporate art or playful design elements using large-scale games, bocce courts, and functional art pieces that will be integrated into the landscape.

Display permanent art pieces within the Sculpture Gardens, to be enjoyed by visitors and hospital residents and will also provide opportunities for new and rotating art pieces and displays, keeping a changing perspective and a fresh vision for campus art. This will engage community members and provide a possibility for public art involvement through fairs, markets, and temporary or rotating campus art exhibits.



7.28 Examples of integrating artwork with landscape



7.29 Example of open space

SUSTAINABLE PLANTING

The planting guidelines in this document include plant palettes of California native species that are significant elements of the restoration process and are key design features of all the open space, streetscape, and campus courtyards. The plant palette lists are representative of but not exhaustive listings of planting species that may be used as a basis or beginning point for planting design. Plants shown are appropriate in most cases but should not be used as substitute for a site or area specific planting design based on actual weather conditions, sun exposure and shading, use and aesthetics of the final landscape. All selected planting should be confirmed appropriate to the micro climate and function of the space. All plants should be checked for updates on California Invasive Plant Council's (CAL-IPC) list of invasive species.

Use tree canopies to create different outdoor characters for special places including species color, mature growth characteristics for appropriate location, and spacing to enhance the varying quality and experience of the outdoor environment.

Planting selection that help minimize excessive maintenance and reduce hardscape repair costs should include selection of non-invasive root systems at paved areas, especially trees which will not lift the hardscape (pavement), and plantings with little leaf, flower, or fruit drop adjacent to paved surfaces.

Use plant species that require little pruning to achieve the desired landscape effect; shrubbery should not be pruned in a manner that will create a "box-like" appearance. Other attributes include those that are pest and disease resistant to the greatest extent possible, do not require hand watering (can be irrigated through automated systems), suitable to soil conditions without extensive amendment or feeding, long-lived and hardy, limiting the need for frequent replacement.

Shrubs should be conceptually massed in large drifts to create enclosure and unity. A limited variety of shrub species should be used to reduce the disorganizing effect that results from using many colorful, but visually confusing combinations of varieties.

Constraint must be exercised in utilizing shrubs for building foundation planting to allow for access, maintenance, and window clearance.

Pedestrian scale plantings should prevail in courtyards and walkways.

Mass plantings and larger tree canopies should be provided and maximized around utility facilities such as Materials Management and the Central Plant. Mass plantings around these facilities will help to minimize air pollution from mechanical systems and mitigate poor air quality.

Avoid noxious weeds and those that are identified to be invasive species in California. Select non-poisonous plant species where accessible to children.

In areas requiring maintenance of sight lines or for security along paths, select plantings that are low growing or with a slow growth rate, open growth habit, or use trees with high tree canopy and clear trunk height. Provide sufficient openness in landscape planting at building perimeters and site areas with low pedestrian traffic to eliminate hiding places and enhance perceived security.

SUSTAINABLE PLANTING

Water conservation is an important factor in plant selection. Strategies include use of drought tolerant planting, use of native or naturalized plantings at interfaces with natural space, grouping plantings which require more water in the high use/high visibility areas, and use of plantings with lower water requirements in other less visible locations, limiting use of turf to reduce excessive water consumption.

Identify and create a landscape mitigation plan that includes re-vegetation areas, identification of protected open spaces, while also providing educational and recreational opportunities within the mitigation zones.

Maximize the planting of native species that are adapted to the healthcare campus landscape due to their general ability to survive long periods of drought and significant rainfall versus non-native species. Native plant species help keep the local ecosystem in balance through their support of indigenous, co-evolved insect populations which support local bird populations and help to keep foreign insect infestations at bay.

Tree plantings should be selected and organized in conjunction with building canopies and outdoor overhead structures and around walkways to maximize shading particularly at open plazas and circulation paths between buildings and throughout the site.

Facilitation of maintenance operations should include provision of access to plantings and irrigation systems through hardscape areas for maintenance and repair, facilitate easy moving by driven machines, including easy access, layout of hardscape areas to facilitate regular maintenance activities such as machine sweeping and cleaning, and service cart access for trash collection.

Maintenance requirements should be weighed against other factors, such as desired summer shade, winter sun (leaf drop) or vine-covered walls, as a campus design treatment in specific outdoor areas and planting types suitable for defined level and availability of regular maintenance.

7.30 Example of sustainable planting

Acacia greggii

Aesculus californica

Arbutus menziesii

Juniperus californica

Pinus edulis

Platanus racemosa

Prosopis glandulosa

Quercus Spp.

Sambucus nigra

Salix lasiolepis

Cercis occidentalis

Acer macrophyllum

7.31 Plant Palette - Trees

PLANT PALETTE

TREES

Acacia greggii	Catclaw Acacia
Acer macrophyllum	Bigleaf Maple
Aesculus californica	California Buckeye
Alnus rhombifolia	White Alder
Fraxinus dipetala	California Ash
Juglans californica	California Walnut
Juniperus californica	California Juniper
Lyonothamnus floribundus	Santa Cruz Islant Ironwood
Olea europaea	Olive Tree
Pinus edulis	Pinyon Pine
Populus fremontii	Fremont's Cottonwood
Prosopis glandulosa	Honey Mesquite
Prunus Spp.	Prunus
Quercus Spp.	Oak
Salix lasiolepis	Arroyo Willow
Sambucus Mexicana	Mexican Elderberry
Sequoia sempervirens	Coast Redwood
Torreya californica	California Nutmeg
Umbellularia californica	California Laurel

Firewise Trees

Arbutus menziesii	Pacific Madrone
Cercis occidentalis	Western Redbud
Quercus agrifolia	Coast Live Oak

Bioswale Trees

Platanus racemosa	California Sycamore
Chilopsis linearis	Desert Willow

SHRUBS

Abutilon palmeri	Palmer's abutilon
Adenostoma fasiculatum	Chamise
Agrostis pallens	San Diego Bentgrass
Amelanchier utahensis	Utah Service Berry
Aquilegia formosa	Crimson Columbine
Arctostaphylos Spp.	Manzanita
Caesalpinia gilliesii	Bird of Paradise Shrub
Calliandra eriophylla	Fairy Duster
Calycanthus occidentalis	Spice Bush
Carpenteria californica	Bush Anemone
Comarostaphylis diversifolia	Summer Holly
Ephedra californica	Mormon Tea
Ericameria nauseosa	Chamisa
Festica Spp.	Fescue
Forestiera pubescens	Stretchberry
Galvezia speciosa	Firecracker
Krascheninnikovia lanata	Winterfat
Larrea tridentata	Creosote Bush
Lepechinia calycina	Pitcher Sage
Lycium fremontii	Fremont's Desert Thorn
Rhamnus Spp.	Rhamnus
Rhus ovata	Sugar Bush
Ribes aureum	Golden Currant
Solidago californica	California Goldenrod
Woodwardia fimbriata	Giant Chainfern

Carpenteria californica

Adenostoma fasiculatum

Woodwardia fimbri

Amelanchier utahensis

Aquilegia Formosa

Ephedra californica

Galvezia speciosa

Caesalpinia gilliesii

Calliandra eriophylla

Calycanthus occidentalis

Solidago californica

Lycium fremontii

7.32 Plant Palette - Shrubs

Abronia villosa

Baileya multiradiata

Achillea millefolium

Lobelia cardinalis

Romneya coulteri

Phacelia campanularia

Ericameria laricifolia

Nemophila menziesii

Viguiera laciniata

7.33 Plant Palette - Wildflowers

WILDFLOWERS

Abronia villosa	Desert Sand Verbena
Achillea millefolium	Yarrow
Asclepias eriocarpa	Monarch Milkweed
Baileya multiradiata	Deserr Marigold
Coreopsis Spp.	Coreopsis
Calochortus clavatus	Clubhair Mariposa Lily
Datura wrightii	Sacred Datura
Delphinium cardinale	Scarlet larkspur
Dodecatheon clevelandii	Padre's Schooting Star
Ericameria laricifolia	Turpentine Bush
Eustoma exaltatum	Catchfly Prairie Gentian
Layia platyglossa	Tidy Tips
Linum lewisii	Blue Flax
Lobelia cardinalis	Cardinal Flower
Mirabilis multiflora	Colorado Four O'clock
Nama hispidum	Bristly Nama
Nemophila menziesii	Baby Blue Eyes
Oenothera caespitosa	Fragrant Evening Primrose
Phacelia campanularia	Desert Bells
Romneya coulteri	Matilija Poppy
Sisyrinchium bellum	Blue-Eyed Grass
Stanleya pinnata	Desert Princesplume
Viguiera laciniata	San Diego Sunflower

BIORENTENTION & GROUNDCOVER

Most planting not listed under the bioretention category may be used as regular landscape planting and around bioretention areas. Suitability of selected bioretention plants should be checked for use on the slope side or the bottom section. The bottom section plants would require that plants are suitable for occasional flooding much more than those on the sloped sections. A close coordination of design and location of bioretention areas with site civil engineering is needed to establish a final Low Impact Development strategy through planted swales. All bioretention planting may be used in regular landscape areas but careful consideration of their excessive water requirements should be reviewed.

Bioswale

Aristida purpurea	Purple Threeawm
Artemisia 'Powis Castle'	Wormwood Artemisia
Carex Spp.	Sedge
Deschampsia cespitosa	Tufted Hairgrass
Eleocharis Spp.	Common Spikerush
Epilobium densiflorum	Denseflower Willowherb
Heuchera Spp.	Alum Root
Hypericum anagalloides	Tinker's Penny
Juncus patens	California Gray Rush
Leymus condensatus	Canyon Prince Wild Rye
Mimulus Spp.	Scarlet Monkey Flower
Muhlenbergia rigens	Deer Grass
Myrica californica	Pacific Wax Myrtle
Venegasia carpesioides	Canyon Sunflower

Groundcover

Adiantum capillus-veneris	Southern Maidenhair Fern
Cotoneaster Spp.	Cotoneaster
Dudleya caespitosa	Coast Sudleya
Fragaria chiloensis	Sand Strawberry
Nassella pulchra	Purple Needlegrass
Phyla nodiflora	Lippia
Polystichum munitum	Western Sword Fern

Leymus condensatus

Muhlenbergia rigens

Epilobium densiflorum

Nassella pulchra

Carex Spp.

Artemisia Spp.

Juncus patens

Adiantum capillus-veneris

Eleocharis Spp.

Mimulus Spp.

Hypericum anagalloides

Cotoneaster Spp.

7.34 Plant Palette - Bioretention and Groundcover

Anemopsis californica

Fremontodendron californicum

Epilobium canum

Encelia californica

Eschscholzia californica

Heteromeles arbutifolia

Heuchera Spp.

Lupinus Spp.

Symphoricarpos albus

Rosa californica

Opuntia x vaseyi

Mahonia aquifolium

7.35 Plant Palette - Firewise

FIREWISE

Anemopsis californica	Yerba Manza
Baccharis pilularis	Coyote Brush
Ceanothus sp.	California Lilac
Cercocarpus betuloides	Mountain Mahogany
Encelia californica	Coast Sunflower
Epilobium canum	California Fuchsia
Eschscholzia californica	California Poppy
Fremontodendron californicum	Flannel Bush
Heteromeles arbutifolia	Toyon
Heuchera Spp.	Coral Bells
Justicia californica	Chuparosa
Lupinus Spp.	Lupine
Mahonia aquifolium	Oregon Grape
Mimulus Spp.	Monkey-flower
Opuntia x vaseyi	Vasey's Prickly Pear
Rosa californica	California Wild Rose
Salvia Spp.	Sage
Symphoricarpos albus	Snowberry
Trichostema lanatum	Woolly Blue Curls

PLANTING ZONES

FRAMEWORK PLAN

The planting of natives that differentiate and define spaces is evident in the landscape plan. This focus on California natives is significant both aesthetically and sustainably, creating educational opportunities throughout the site and returning habitat to an ecologically valuable piece of land.

Protection from fire will be implemented through firewise planting methods, deterring or mitigating the effects of wildfire with the careful design and selection of plants. Bioswales and riparian vegetatio will promote the capture and filtration of water as it flows through the tributaries of the surrounding mountains and into the site, returning precious wate to the ground.

The use of an almost entirely native plant palette is bold in its cultural significance, making a visual statement that places the campus development of high importance on sustainability, and at the same time, advocating its subtle but crucial contribution t the healing and the reparation of the land.

SOUTHWEST TO NORTHWEST AND NORTHEAST TO SOUTHEAST OAK WOODLAND and mixed Chaparral Sagescrub recreate the Valley and Foothill Woodland ecology, establish a naturalistic character at the eastern and western site edges, and serve as a wind and fire break.

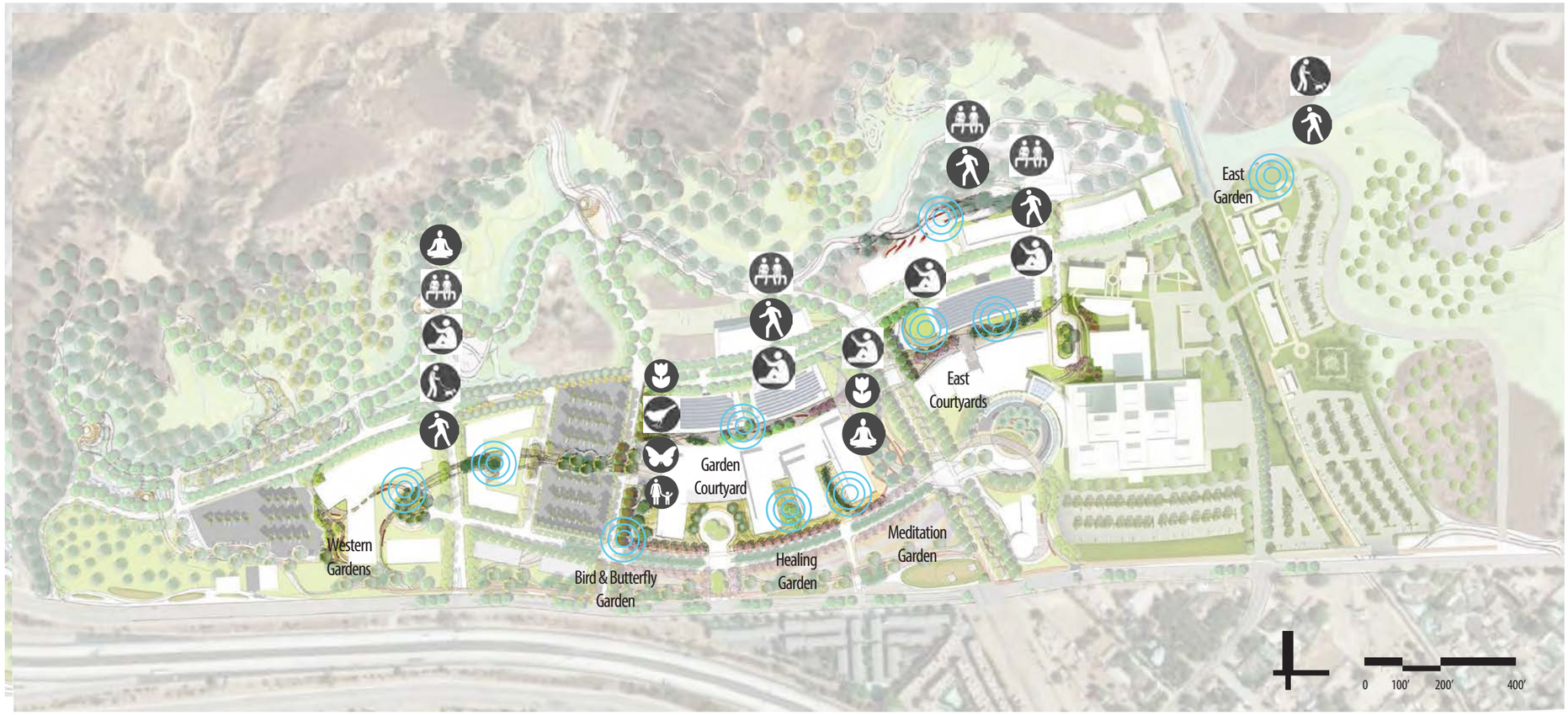
STRANDS OF RIPARIAN TREES ARE USED AT CANYONS WITHIN 30' - 300' OF THE CLEARANCE ZONE for fire modification beyond the northern most street trees with A foregound of groundcover and coastal sage scrub planting.

GROVES OF RIPARIAN TREES (FOR BIORETENTION) AND MEADOWS OF CALIFORNIA NATIVE WILDFLOWERS create a natural campus edge at Olive View Drive.

HIERARCHY OF TREE GROUPINGS BY COLOR, CANOPY, AND FORM create the strrecape identity, order, and general wayfinding throught vegetation.

7.36 Landscape Design Framework Plan

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019



(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

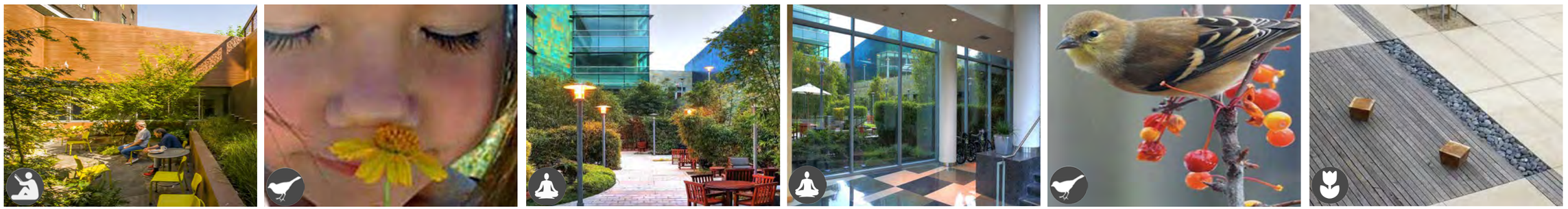
OPEN SPACE

PROGRAM/PLANTING ZONES

Healing Gardens

Courtyards and the connecting landscapes that tie them together are each unique telling their own story and creating a sense of place and atmosphere for the visitor.

People may gravitate to their favorite courtyard or discover new and compelling spaces as they return to explore the campus and it's collection of gardens, outdoor seating rooms, and community gathering spaces.



7.37 Open Space Program - Healing Gardens

PROGRAM/PLANTING ZONES

Community Open Spaces

The landscape façade of the campus is welcoming with vivid swaths of wildflowers that invite the community and visitors to the campus with their spectacular play of seasonal colors. Just as poppies, lavender, and sage invite birds and butterflies, they will also engage people as they enter the site, encouraging health, play, and recreation.

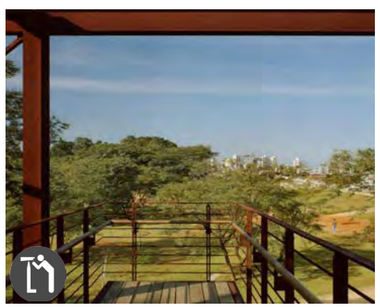
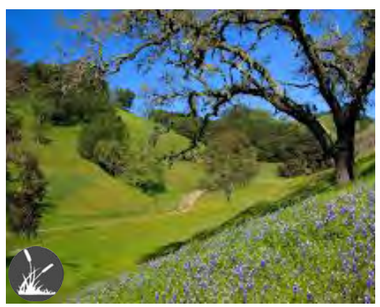
This zone contains a large section of bike, equestrian, and walking trails for community engagement.

Within healthcare amenities are opportunities for outdoor fitness, retail, and courtyard.

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

7.38 Open Space Program - Community Open Space

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

7.39 Open Space Program - Recreation and Restoration

PROGRAM/PLANTING ZONES

Recreation and Restoration

Strong connections to the existing open space along with restored and revegetated native areas will heal the land and will also provide the community with access to a wilderness experience in their own neighborhood.

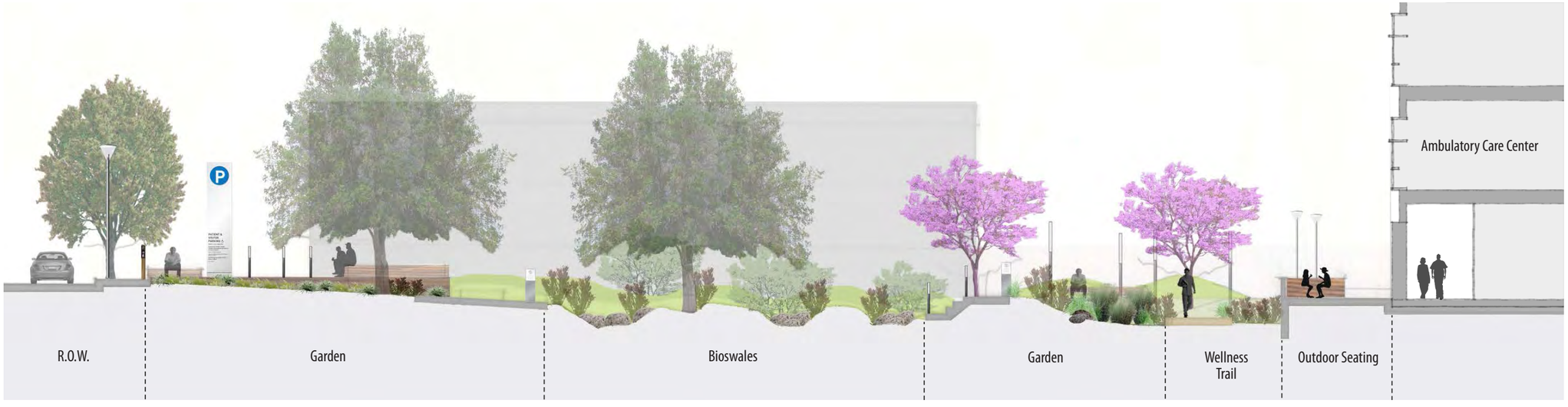
Ecological communities will return and natural habitats will flourish creating educational, recreational, and environmental value and integrity.

This zone addresses this connection by integrating firewise planting in the restoration of naturalized areas that surround the development.

SITE SECTIONS

7.40 Key Plan

7.41 Site Section 1 - UCLA Research Courtyard



7.42 Site Section 2 - Ambulatory Western Gardens

SITE SECTIONS

7.43 Site Section 3 - Hospital Promenade and Drop-off

7.44 Site Section 4 - Bird and Butterfly Garden - West Emergency/Hospital

STREETSCAPE

7.45 Example of shared pathways

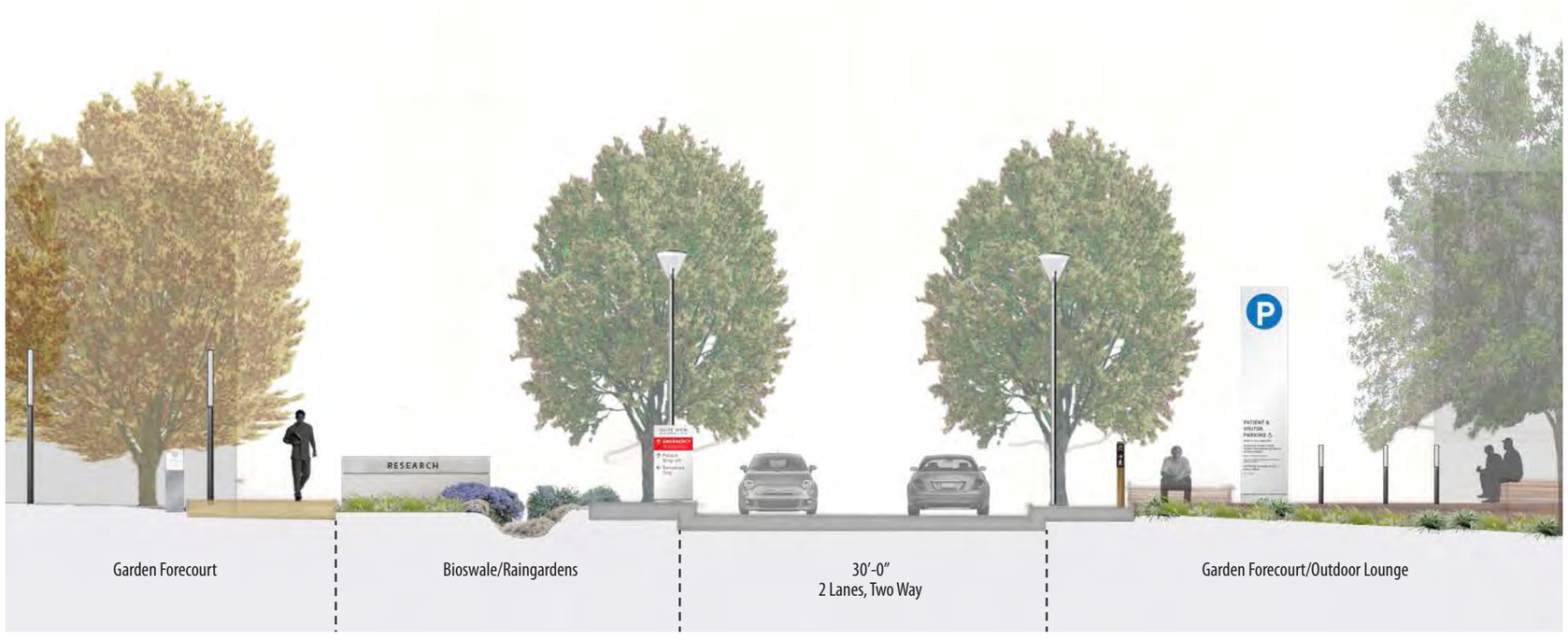
Important street intersections, vehicle drop-off zones should have larger scale planting including gateway trees and specific planting entry palettes for wayfinding and orientation.

Streetscape and pedestrian walkway planting should help define orientation to help pedestrian and vehicular recognition of a particular street, campus district, or public zones and community greens.

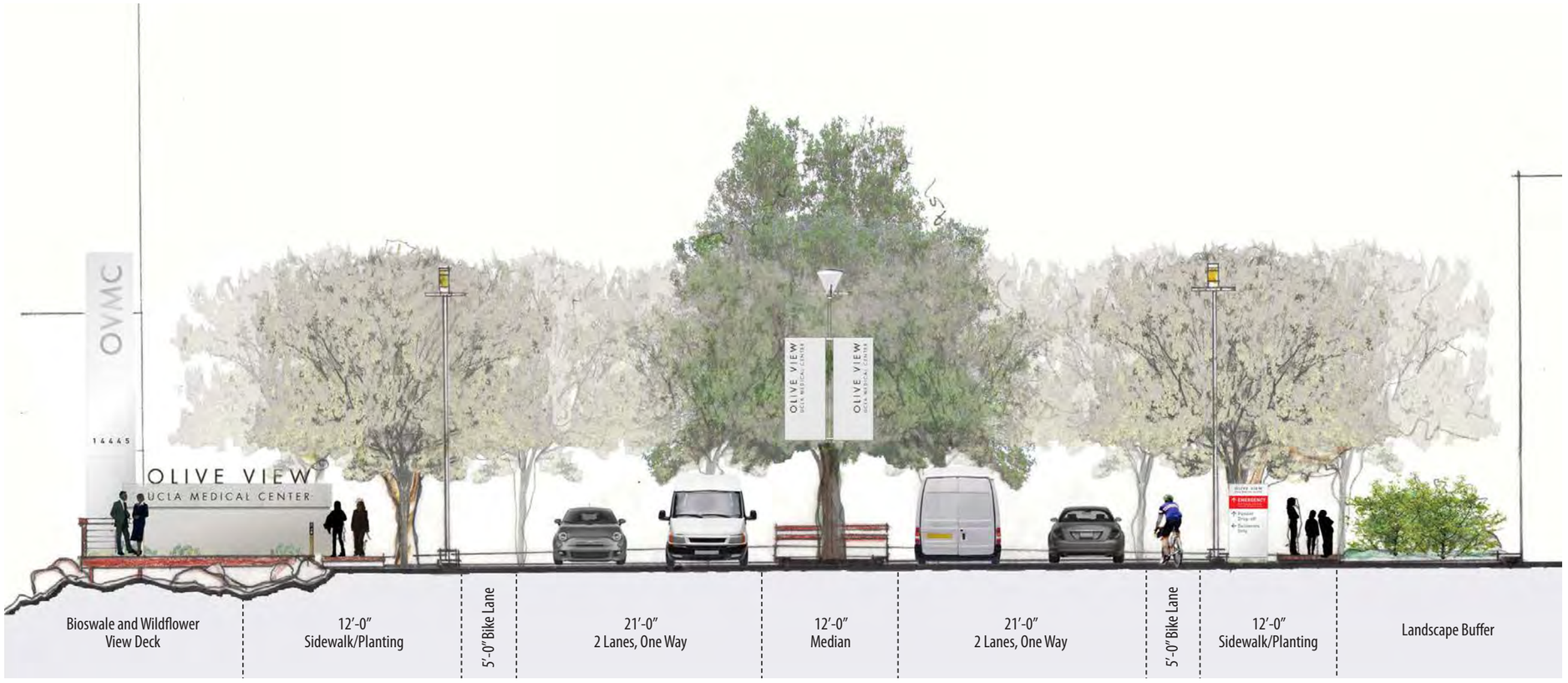
Streetscapes should demonstrate accommodation for various transit modes including bike access, pedestrian traffic while maintaining efficient vehicular traffic.

Design the streets with opportunities for leisurely walks and places for social encounter, casual conversations, or simple seating accommodations as pedestrians navigate the site.

Design streets for bike access with shared bike and vehicular travel lanes. Provide opportunities for dedicated bike trails for recreation and campus travel amenities.



7.46 Site Section 5 - Streetscape at UCLA Education and Research Zone



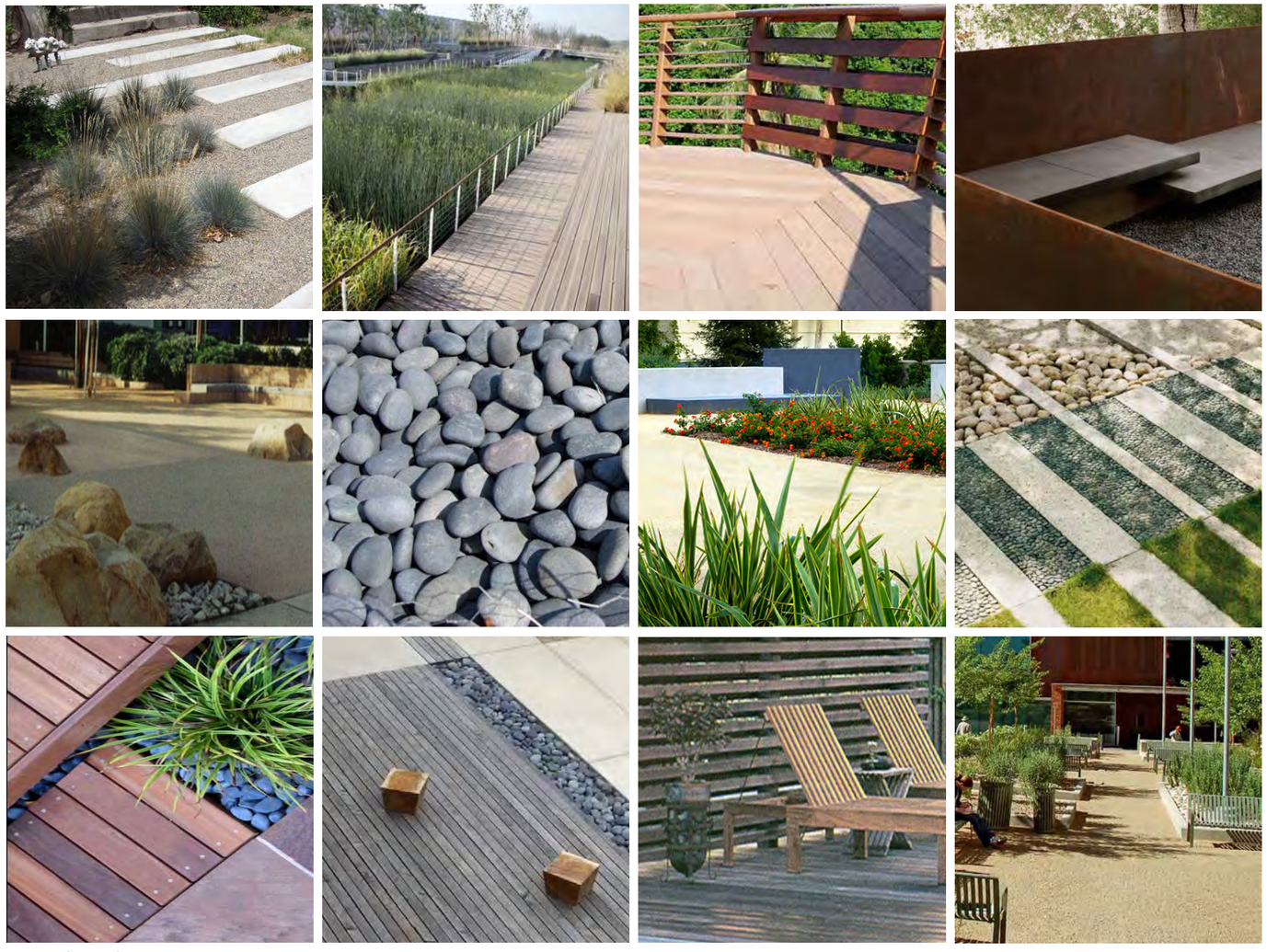
7.47 Site Section 6 - Streetscape at Campus Entry Drive

ACCEPTABLE HARDSCAPE MATERIALS

A palette of construction materials should be used which provide continuity and recognizable order in the landscape and which define a range of details in material refinement, texture and character relative to their aesthetic and functional intent, and adjacent to buildings or specific outdoor use zones.

Paved areas can draw from a broad range of materials, designs, and finishes that are complementary to the building architecture in terms of color, texture, and pattern.

Landscape forms including planting strips, hedge walls, fencing, green screens, raised planters, bermed planting, and retaining walls and sloped planting may also be used at elevation changes and for landscape buffers.



7.48 Hardscape Palette

7.49 Examples of Hardscape Materials

Allow for materials with higher reflectance index for open paved areas with limited tree shading.

Special paving is encouraged to provide visual interest and define entrance zones at driveways and access drives.

Decorative hardscape is highly encouraged to delineate pedestrian paths of travel and enhance gathering areas.

Existing site elements such as rocks and boulders may be used and organized within the landscape paving and composition of the outdoor space.

Allow sufficient permeable hardscape areas throughout the site that may be designed around paved areas.

Select durable hardscape materials, furnishings, signage and other features which withstand wear, abuse, climate, and vandalism.

LIGHTING GUIDELINES

INTRODUCTION

The overall goal of exterior site lighting guidelines for the Olive View - UCLA Medical Center is to create a unified experience as one travels through the campus, establishing organized zones of lighting language and treatments to assist with the campus identity as wells as wayfinding. This section covers the exterior lighting for the entire project site.

This document specifies illuminance levels and uniformity criteria and provides guidance on acceptable luminaire and lamp selections. Also included are general guidelines for creating a cohesive exterior lighting design. Refer to the electrical and landscaping sections for further information.

SITE LIGHTING GOALS AND GUIDELINES

Light will be utilized to create areas of visual hierarchy and interest. Unique lighting zones will be created with varying lighting approaches. In doing so, the site will become easier to navigate during nighttime hours.

Safety and Comfort

- Improve campus safety by utilizing high color rendering lamp sources for better visibility. Lighting sources should have a Color Rendering Index (CRI) of 80 or better.
- Add visual interest to the site including accentuating key landscape and architectural features.
- Improve consistency of lighting appearance by utilizing organized fixture families.
- Assist wayfinding by creating a visual hierarchy between different campus zones.
- Support staff and patron gathering with a welcoming environment in plazas and courtyards.
- Encourage unique lighting expressions in plaza and courtyard areas to create intimate spaces within the site.
- Differentiate primary pathways from outlying pathways to organize pedestrian traffic patterns on campus.

Sustainability

- Lighting systems shall be designed to comply with all applicable energy code requirements as well as the Green Guide for Heathcare and project energy goals. Additional lighting energy reduction should be pursued where practical.
- Utilize energy efficient lamp sources based on technology available at the time of specification.
- Minimize light tresspass, glare, and uplight as required; comply with Title 24 CalGreen BUG (Backlight Uplight Glare) ratings.
- Meet any additional energy efficiency and light pollution requirements based on applicable codes and standards including but not limited to Title 24, CalGreen, OSHPD, and LEED.
- Encourage use of fixtures powered by alternative energy sources as these technologies advance in terms of performance and affordability. For example, the use of solar powered light poles in remote areas (such as parking lots, roadways, and paths) would eliminate the need for trenching and wiring as well as power supplied by CONGEN. Such installations not only reduce long term energy costs, but provide immediate savings in terms of installation material and labor costs which should be considered when conducting Life Cycle Cost analyses.

Lamp / Luminaire

- LED technology shall be utilized as the primary lighting source. Energy efficient sources such as Linear Fluorescent, Induction, and Ceramic Metal Halide lamps are acceptable for specific applications when LED sources are not adequate in terms of performance, but as LED technology improves over time, more LED sources are to be utilized. Sources such as Incandescent, Halogen, Compact Fluorescent, and Low and High Pressure Sodium are not to be specified. As lighting technology evolves, other light sources with greater efficiency and lumen output may become available and should be considered.
- Where LED site lighting fixtures are used, those with field-replaceable modules should be used to reduce the cost of future replacements/maintenance.
- Provide a consistent and pleasant lighting appearance by utilizing sources with color temperatures (CCT) of 3000K to 3500K.
- Luminaires should coordinate with the aesthetics of the adjacent architectural and landscape elements.

Illuminance Guidelines

- Meet or exceed the lighting level and uniformity recommendations outlined in the following sections based on the Illuminating Engineering Society (IES) Handbook and all relevant IES Recommended Practice Guidelines.

Maintenance

- Minimize luminaire and lamp types to reduce spare stock requirements for maintenance.
- Reduce maintenance costs by utilizing long-life lamp sources. Minimum lamp life for the majority of luminaires should be 36,000 hours, with 50,000 minimum for LED's and 36,000 hour for linear fluorescent. Shorter life sources such as Ceramic Metal Halide should only be utilized if LED fixture cannot produce comparable lumen output.

Lighting Controls

- Exterior lighting control systems shall be comprised of photocells and programmable lighting controls either via local controls on fixtures or main lighting control system to provide time control of lighting as required based on program requirements and state and local energy code requirements.
- Occupancy sensors to be provided as required and for areas where reduced levels may be desirable, as long as there is no compromise to safety.

Product Requirements

- Light fixtures shall be commercial specification grade to ensure quality and performance and shall be assembled with components of new, good quality.
- Lamps shall be "high performance", and all linear fluorescent lamps shall be low mercury content. LED sources and attendant components such as heat sinks shall be mercury and lead free.
- LED luminaire manufacturera shall have a minimum of five (5) years experience in the manufacture and design of LED products and systems and no less than one hundred (100) North American installations. All peripheral devices and control software are to be provided by and shall be the responsibility of a single entity. All components shall perform successfully as a complete system. All parts of the system shall be replaceable in the field with a preference for third-party supported LED modules and systems.
- LED Luminaire assemblies shall include a method of dissipating heat so as to not degrade life of source, electronic equipment, or lenses. LED luminaire housing shall be designed to transfer heat from the LED board to the outside environment. Luminaire housing shall have no negative impact on life of components.
- LED manufacturers shall have performed photometric testing and provide upon request the Luminaire Efficacy (lm/W), total luminous flux (lumens), luminous intensity (candelas) chromaticity coordinates, CCT and CRI. optical performance, polar diagrams, and relevant luminance and illuminance photometric data.
- Painted finishes of fixtures and accessories shall be weatherproof enamel using proper primers or hot dipped galvanized and bonderized epoxy, in accordance with manufacturer's requirements. Unless otherwise specified, all painted surfaces shall have a life expectancy of not less than twenty years.
- Fixtures shall have a minimum IP rating depending on installation conditions as noted:
  - Fixtures installed under a canopy (fixture distance greater than 12" from edge of canopy): IP55
  - Fixtures directly exposed to exterior or closer than 12" from edge of canopy: IP65
  - Submersible/Underwater Fixtures: IP68
- All uplight fixtures (surface or in-grade) or fixtures that directly illuminate pedestrian or vehicle areas shall include glare control options such as glare shields, louvers, and lenses.
- All external openings in fixture assemblies and fixture lenses shall be gasketed to prevent moisture and dust intrusion.
- Remote components such as drivers, power supplies, and/or transformers shall be installed in NEMA 4X enclosures. NEMA enclosures may be surface mounted if installed out of public view, or flush grade within view. Ventilation/Airflow within NEMA enclosure must be provided per manufacturer specifications to ensure proper functioning of system.
- Fixtures and component enclosures shall have wire mesh corrosion resistant screens over any vent holes. Mesh to be properly sized to prevent incursion of insects, small animals, and/or debris such as leaves or lawn clippings.
- Stainless steel hardware is preferred. Ferrous/ aluminum mounting hardware and accessories shall be finished appropriately to prevent corrosion and discoloration of adjacent materials.
- Glass lenses shall be heat tempered glass to mitigate breakage and thermal shock
- Acrylic/ Polycarbonate lenses shall be UV stabilized and of the appropriate thickness to prevent damage from vandalism.
- Color changing LED luminaires shall utilize an equal combination of individually colored or tri or quad chip technology and shall be capable of at least 8-bit control.
- All fixtures shall comply with campus wind load criteria and overhead safety requirements. Fixtures and proposed mounting to be reviewed and approved by a licensed structural engineer prior to installation.
- Footings are required for all fixtures mounted to grade. In the case of poles, footing details are to be developed by licensed structural engineer; footings/ pads for bollards and surface mounted accent fixtures may be developed by the architect or structural engineer.

SPECIFIC FIXTURE FAMILIES

Light Poles

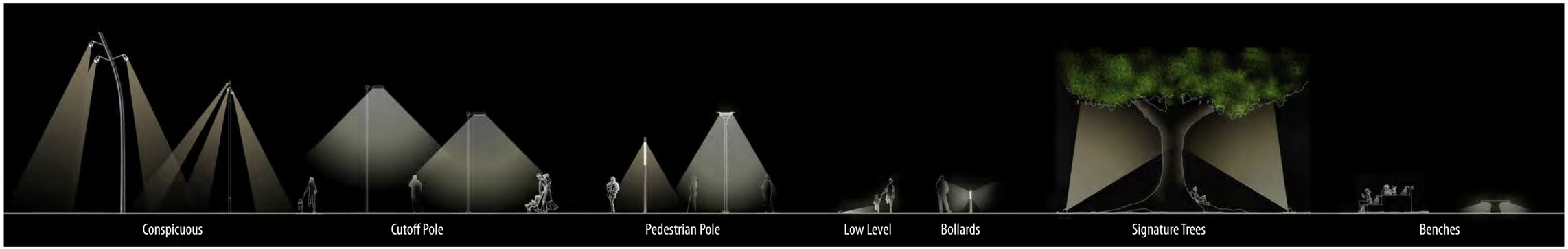
- Light poles shall provide illumination not only on grade surface, but also illuminate approaching pedestrians and/or vehicles to enhance safety, visual acuity, and wayfinding.
- Poles shall be aluminum rather than steel or iron.
- Poles shall be provided with tilting bases when less than 18 feet tall for ease of maintenance.
- Pull boxes shall be installed adjacent to poles and mounted towards the back side of pole out of public view whenever possible.
- Wind load calculations for pole with light fixtures and all other attendant elements (such as security cameras and banners) to be performed by the pole manufacturer/ structural engineering to ensure that pole assembly meets campus wind load criteria.
- Concrete footing to be provided to ensure that fixture remains level and secure. In landscape areas, footing is to elevate the fixture base slightly above grade to prevent damage from landscape maintenance and corrosion.
- Minimum 3-foot tall concrete plinths shall be utilized in open parking lots and roof decks; plinth detail to be reviewed and approved by licensed structural engineer based on wind load calculations of pole with fixtures and all other components fixed to pole included.
- Adjustable fixtures mounted to poles shall include positive aiming and locking devices to secure fixture focus. Final aiming angle of fixture shall be indicated with small tick marks or similar marking to allow fixture focus to be restored by campus staff after Maintenance or lamp replacement.
- Label with installed fixture information (such as type number, lamping, circuit number) shall be prominent on top of remote devices' NEMA box lids.
- House side shields are to be utilized for all fixtures adjacent to reserve or residential community areas.

Bollards

- Bollards shall provide illumination not only on grade surface, but also illuminate approaching pedestrians and/or vehicles to enhance safety, visual acuity, and wayfinding.
- Light source to be regressed or shielded from direct view by glare control options such as lens, louvers, and glare shields.
- Concrete footing to be provided to ensure that fixture remains level and secure and to prevent removal or settling of fixture in softscape.
- In instances where vehicle-impact rated bollards are required, bollards shall be a minimum K4 rating, and bollards footing shall be detailed, furnished, and installed by project based on manufacturers recommendations. Footing detail to be reviewed and approved by licensed structural engineer.
- Pull boxes shall be installed adjacent to bollards and mounted towards the back side of pole out of public view whenever possible.

In-grade Accent, Wall Wash, and Marker Lights

- In-grade fixtures are to be used only judiciously and sparingly, and only in paved/ hardscape or lawn areas. Installations must be executed in accordance with manufacturer's installation requirements.
- Project shall provide drainage (such as pea gravel or physical drains) in accordance with manufacturer's installation requirements and be coordinated with the landscape design.
- Internal glare control and/or frosted lenses shall be provided in all fixtures when direct view into fixtures is possible.
- Fixtures shall include anti-slip and heat reduction lenses in pedestrian areas.
- Rock guards to be provided for fixtures in non-pedestrian areas.
- Fixtures shall be drive-over rated vehicular traffic areas, including areas where maintenance lifts might be utilized.
- If fixture is integrated in a tree grate, fixture trim shall be secured to grate and flush with the top of grate.



7.50 Examples of different types of lighting fixtures

Surface-grade Accent Lights

- Surface fixtures may be installed in non-pedestrian, non-vehicular areas only.
- Fixtures shall be mounted on concrete base/pad to ensure that fixture remains level and secure and to prevent removal or settling of fixture in softscape. Pad is to elevate the fixture base slightly above grade to prevent damage from landscape maintenance and corrosion.
- Fixtures shall be specified with glare control options such as lens, louvers, and glare shields.
- Surface fixtures within reach must be LED and cool to the touch.
- Pull boxes shall be installed proximal to fixtures and mounted out of public view whenever possible.

Underwater/Submersible Fixtures

- Fixture cables shall be of sufficient length to allow fixtures to be removed from water for maintenance.
- Fixtures shall be low voltage and have temperature sensing low water cut-off standard for safety.
- Fixtures shall be made of non-corroding materials, such as cast bronze, nickel plated brass, nickel plated copper, stainless steel, or polycarbonate.
- Fixture lens shall be heat-resistant tempered glass lens and gasketed to prevent water intrusion.
- Adjustable fixtures to include lockable mounting hardware to secure fixture aiming.
- All junction boxes used in water are to be submersible grade and potted as required to prevent water intrusion.
- All cabling used in water to be submersible grade.
- All underwater fixture circuits to be protected by GFIs.
- Remote drivers/transformers shall be installed in in-grade NEMA boxes in landscape areas or surface mounted out of public view.

Tree Mounted Fixtures

- Rigid conduit shall stub up at base of tree and continue circuiting up the tree with neutral color liquid-tight flexible conduit supported to tree by non-invasive methods such as straps or cable ties. Openings in rigid conduit to be sealed/ gasketed to prevent water intrusion.
- Fixtures shall be mounted to tree with soft, preferably self-expanding straps, or with adjustable tree rings. In no circumstances shall fixtures be bolted or clamped to trees. Campus to review and approve mounting methods and devices prior to installation.
- Pendant mounted fixtures to be suspended from tree limbs by aircraft cable. Cable to be run through neoprene sleeves where cable makes contact with tree limb. Suspension loop around limb to be of sufficient diameter to allow for tree growth.
- Tree mounted fixtures shall be provided with 6 feet of excess cable to allow for fixture adjustment as tree grows.
- Pull boxes shall be installed proximal to fixtures and mounted out of public view whenever possible.

Steplights

- Blocking shall be provided as required to adequately support fixture. Housings shall be secured in structure to prevent sagging or displacement.
- Fixture faceplate shall be made of non-corroding materials, such as powder coated aluminum or steel, bronze, brass, stainless steel, or polycarbonate to prevent rust streaking/ staining on vertical wall surfaces.
- Lenses to be impact resistant and fixture trims and frames to include vandal-proof hardware.
- In the case of surface mounted steplights, concrete pad or footing to be provided to ensure that fixture remains level and secure and to prevent removal or settling of fixture in softscape.

7.51 Example of tree uplights

7.52 Example of light poles

7.53 Example of using interior and exterior lighting

7.54 Example of lighting at garden spaces

SPECIFIC FIXTURE FAMILIES

Surface Wall Mounted Fixtures

- Fixture shall be provided with glare control accessories to mitigate glare in the case of direct view into fixture.
- Blocking to be provided as required to adequately support fixture and fixtures are be mounted with a minimum of (2) points of connection to ensure that fixtures remain level. Fixtures in excess of 5 lbs. are not to be mounted directly to junction boxes for support.
- Larger fixtures or fixtures that project beyond 12" from face of wall are to include cantilevered mounting brackets and/or safety cable mounted to independent support. Safety cable to be installed within fixture arms or mounting brackets out of public view. Mounting and installation of all such fixtures to be reviewed and approved by licensed structural engineer.

Pendants/ Ceiling Mounted Fixtures

- All pendants shall be mounted per applicable seismic codes and campus overhead safety requirements.
- Fixture shall include aircraft-grade safety cable; cable to be mounted within fixture stem out of view whenever possible. Safety cable specification and cable mounting details to be determined/ approved by structural engineering.
- To mitigate fixture maintenance issues in high ceiling or difficult to access areas, lowering system approved by structural/electrical engineer may be considered. Campus to review and approve any lowering systems prior to installation.
- Globes or shrouds shall be provided with safety cables if they must be removed in order to maintain or relamp fixture.
- In the case of festoon fixtures, fixtures are to be suspended/ supported from aircraft grade catenary cable rather than electrical cable. Catenary cable specification and cable mounting details to be reviewed and approved by licensed structural engineer.

Linear Accent/ Cove Fixtures

- All fixtures must be safely accessible either from façade, roof, or lift/ ladder.
- If coves are exposed, weep holes and/or other water evacuation devices to be provided so fixtures do not become submersed in cove.
- Fixtures to be secured against normal vibrations and maintenance handling.

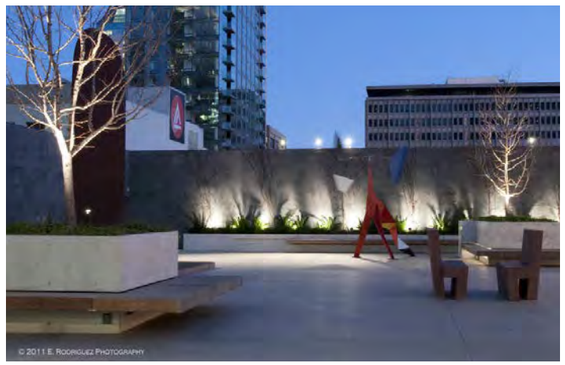
Internally Illuminated Light Boxes

- Light boxes shall be fully gasketed to prevent water, moisture, and dust intrusion.
- Translucent lenses shall be UV stabilized and the appropriate thickness to prevent damage from vandalism when the light box is within reach.
- Light box shall be accessible for proper maintenance.
- Ventilation to be provided as required to ensure proper fixture performance and lamp life.

Fiber Optic Lighting

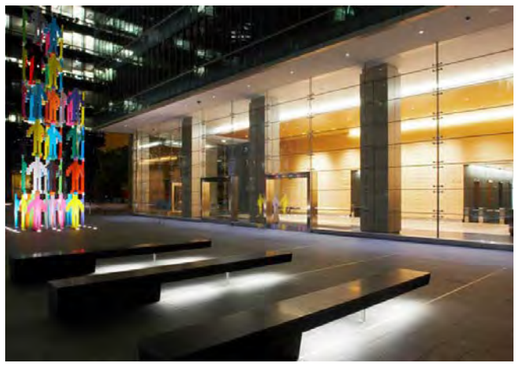
- Fiber Optic Illuminators shall be mounted in an accessible location.
- If illuminators are installed in NEMA 4X enclosures, proper ventilation/airflow must be provided as per manufacturer's specifications to ensure proper functioning of system.
- Fiber to be installed in such a way as to prevent damage to cables under normal conditions over time.
- Fiber fixtures to be sealed against water intrusion.

7.55 Example of lighting at parks



7.56 Example of art lighting and bench lighting

7.57 Example of building entrance lighting

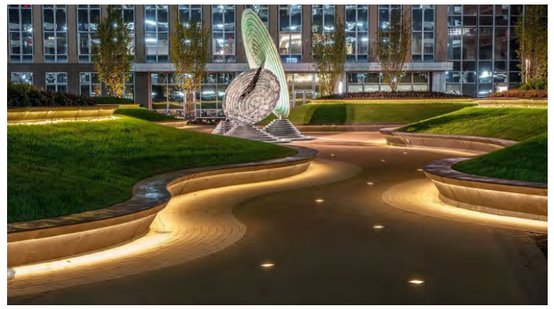


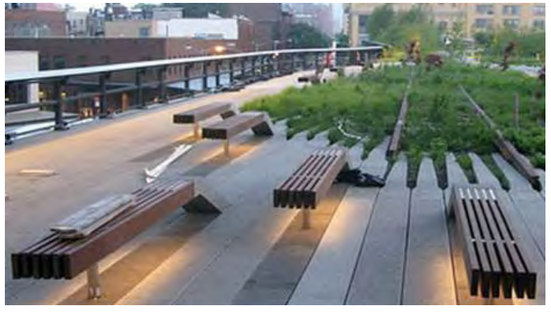
7.58 Example of exterior and interior illumination

Bollards

7.59 Examples of bollard lights

Underbench Lighting





7.60 Examples of bench lights

Step Lights

7.61 Examples of step lights

Handrail Lighting

7.62 Examples of handrail lights

Direct Light

7.63 Examples of direct lights

Light Columns

7.64 Examples of light columns

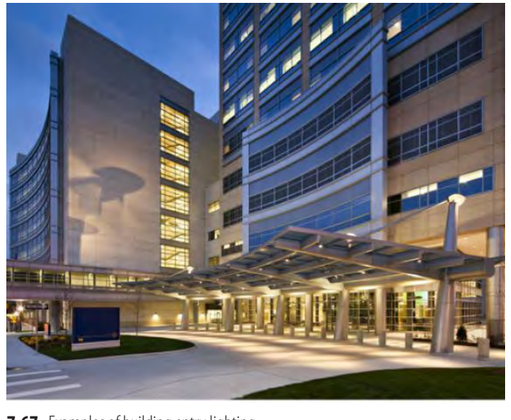
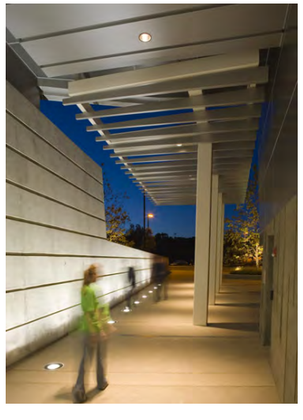
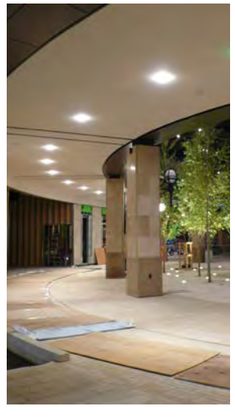
Indirect Light

7.65 Examples of indirect lights

Iconic Light Pole

7.66 Example of iconic lights

Building Entry Lighting

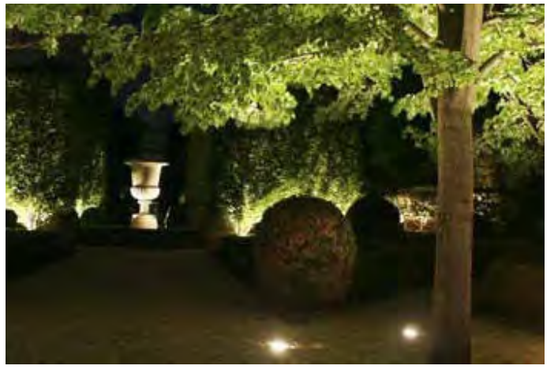




7.67 Examples of building entry lighting

Loading Dock and Service Facility Lighting

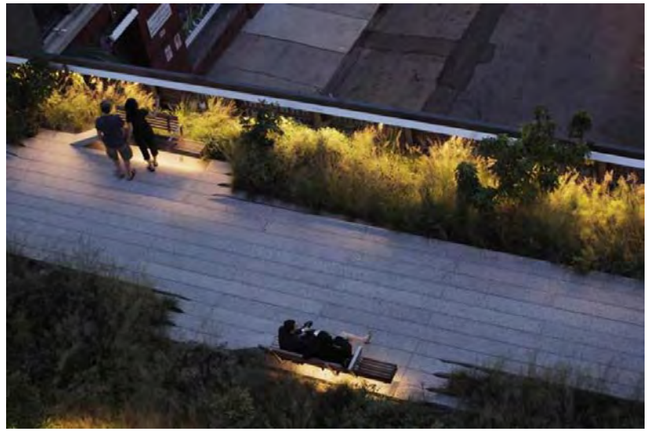
7.68 Examples of service lighting

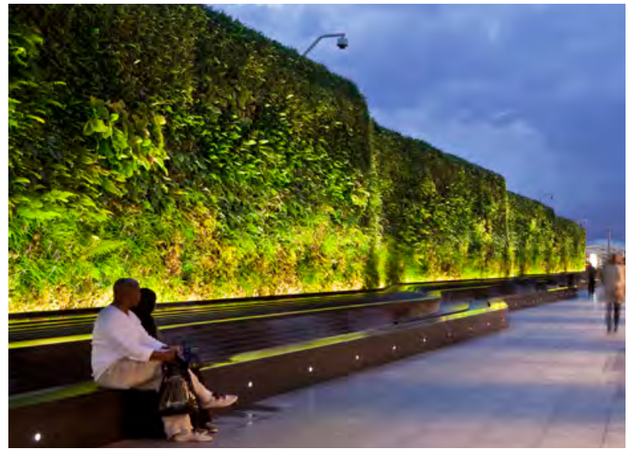
Tree Lighting



7.69 Examples of tree lighting

Garden Lighting



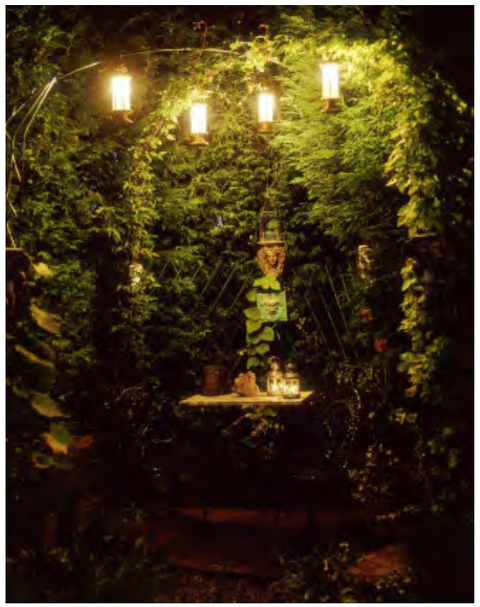


7.70 Examples of garden lighting

Gateway Signage Lighting

7.71 Examples of gateway signage lighting

Field Lighting



7.72 Examples of field lighting

Pathway Lights

7.73 Examples of pathway lights

Sculpture/Art Lighting

7.74 Examples of art lighting

SIGNAGE GUIDELINES

INTRODUCTION

Guidelines have been developed for the exterior signage at the Olive View - UCLA Medical Center. The intent of this sign program is to identify the site, buildings, and parking facilities, and to provide directional information to patients, visitors, and staff.

These guidelines describe the family of sign types and outline the intent of each sign. Suggested messages have been provided as well as recommended materials and sizes. The goal is to have a sign program that integrates with the project master plan, works with the landscape and hardscape elements, and relates to the architectural vocabulary to create a seamless and intuitive experience for the visitor.

GRAPHIC STANDARDS

Typography

FONT: DIN BOLD

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z
0 1 2 3 4 5 6 7 8 9

FONT: DIN MEDIUM

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z
0 1 2 3 4 5 6 7 8 9

FONT: DIN REGULAR

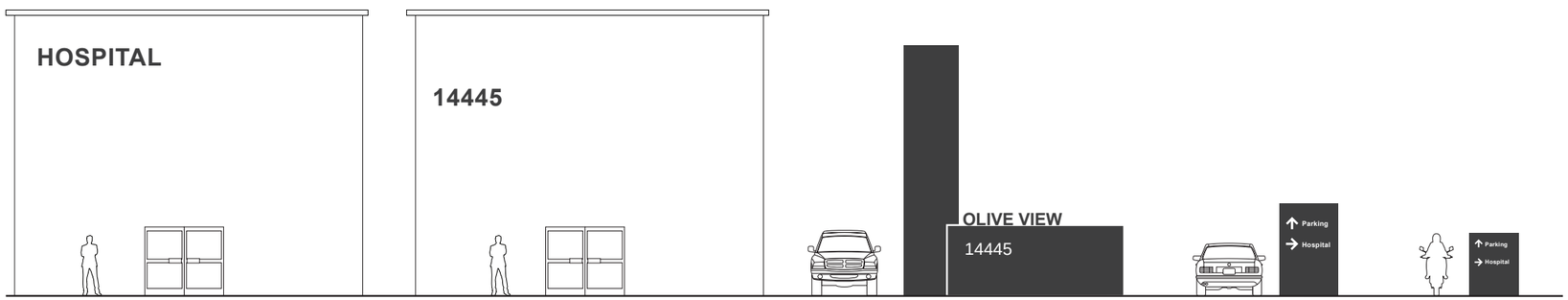
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z
0 1 2 3 4 5 6 7 8 9

Logo

OLIVE VIEW
UCLA MEDICAL CENTER

7.75 Graphic Standards

EXTERIOR SIGN TYPES



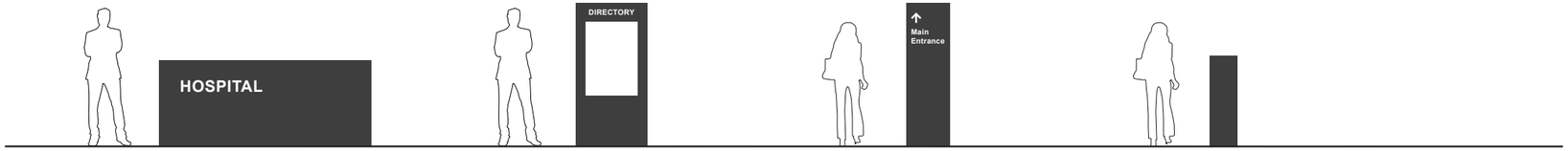
1 EXTERIOR BUILDING IDENTIFICATION

2 BUILDING ADDRESS

3 PRIMARY PROJECT IDENTIFICATION

4 PRIMARY VEHICULAR DIRECTIONAL

5 SECONDARY VEHICULAR DIRECTIONAL

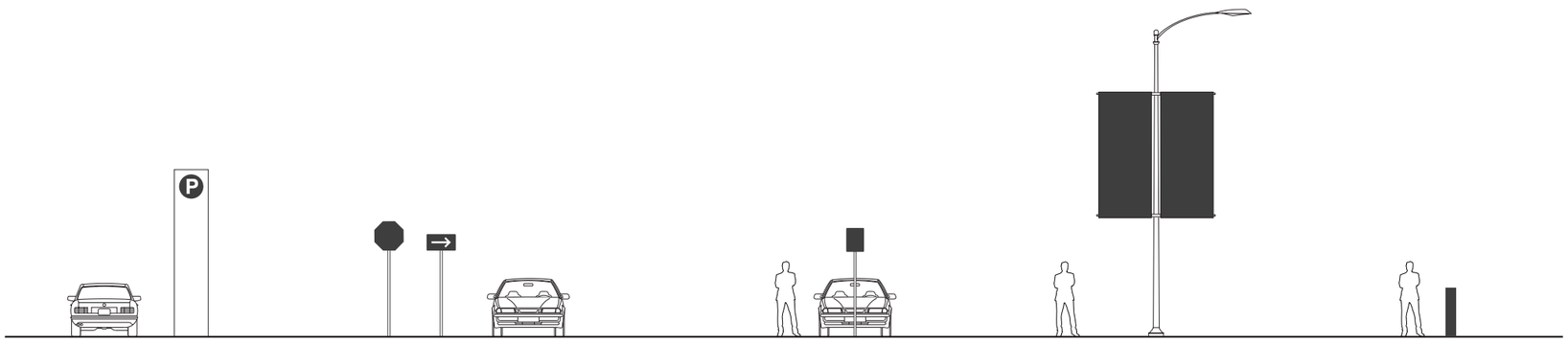


10 BUILDING MONUMENT

11 YOU ARE HERE DIRECTORY MAPS

12 PEDESTRIAN DIRECTIONAL

13 AMENITY SIGNAGE



14 PARKING ENTRANCE IDENTIFICATION

15 TRAFFIC SIGNAGE

16 VEHICULAR REGULATORY/ RESTRICTIVE SIGNAGE

17 BANNERS

18 TRAIL SIGNAGE MARKER

7.76 Exterior Sign Types

SIGNAGE LOCATION PLAN

7.77 Signage Location Site Plan

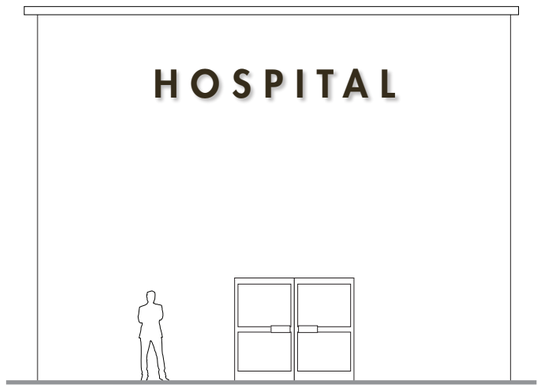
(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

EXTERIOR BUILDING IDENTIFICATION

The project name and branding identification will be displayed on the exterior of the building as dictated by the local codes and architectural conditions. These signs will be located so as to maximize visibility to local traffic and will be Illuminated as required by local codes.

Sign color should contrast with building background condition.

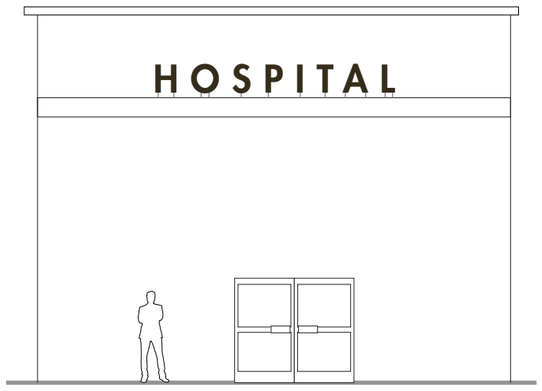
Sign shall be fabricated aluminum with either external, or halo-illuminated.



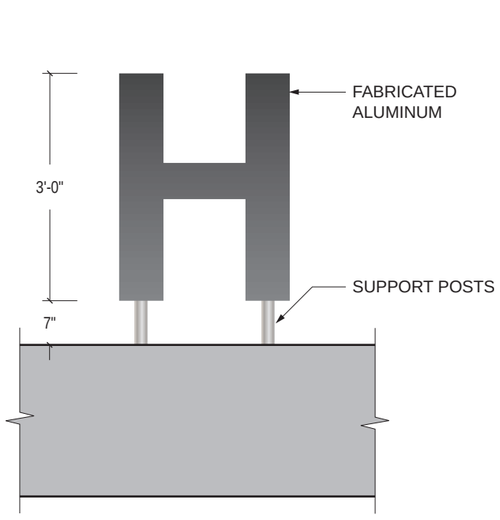
5 **CONTEXT ELEVATION**
SCALE: NTS

7.78 Example of Exterior Building Signage

7.79 Example of Exterior Building Signage

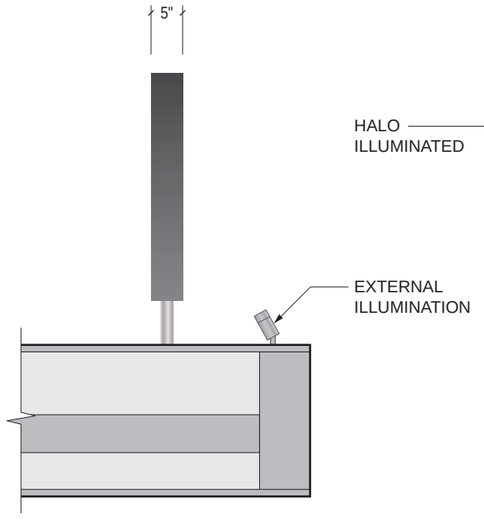


4 **CONTEXT ELEVATION**
SCALE: NTS

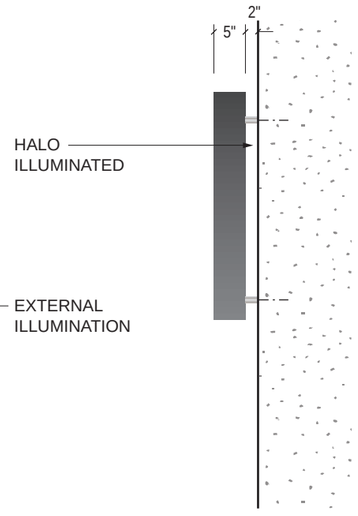


CANOPY MOUNT - FREESTANDING

1 **EXTERIOR BUILDING IDENTIFICATION**
SCALE: 1/2"=1'-0"



2 **SIDE VIEW - FREESTANDING**
SCALE: 1/2"=1'-0"



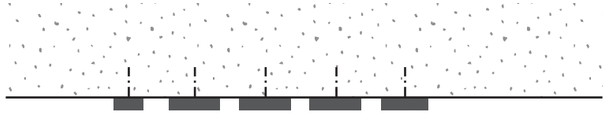
3 **SIDE VIEW - WALL MOUNT**
SCALE: 1/2"=1'-0"

7.80 Exterior Building Identification Sign Types

BUILDING ADDRESS

The project building address will be displayed on the exterior of the building as dictated by local codes with respect to location, size, and illumination methods.

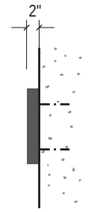
- Sign shall be located with sensitivity to architectural features and details.
- Sign shall be fabricated aluminum with a painted finish or made from stainless steel.
- Halo illumination or exterior illumination is preferred.



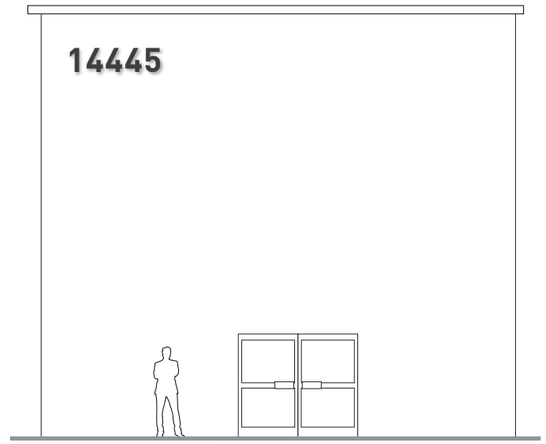
3 TOP VIEW

2 BUILDING ADDRESS

SCALE: 1/2"=1'-0"



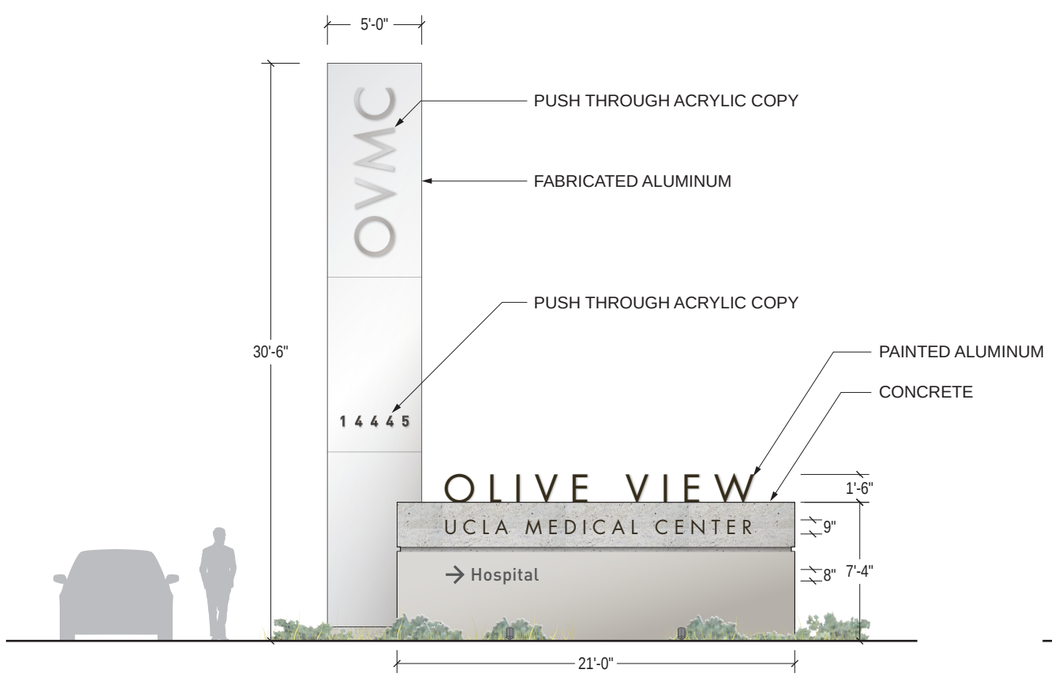
2 SIDE VIEW



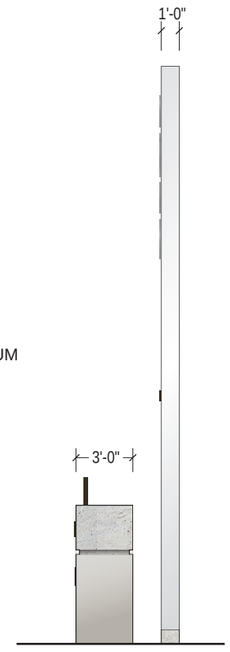
4 CONTEXT ELEVATION

7.81 Exterior Building Address Sign

3 **TOP VIEW**
SCALE: 1/8"=1'-0"



3 **PRIMARY PROJECT IDENTIFICATION**
SCALE: 1/8"=1'-0"



2 **SIDE VIEW**
SCALE: 1/8"=1'-0"

PRIMARY PROJECT IDENTIFICATION

A monument sign will be located at the entrance to the site. It will contain the project name, any applicable branding identification elements, the project address, and key directional information. The sign will be illuminated, either internally or with an external light source.

Sign will incorporate elements and materials related to the projects architectural standards. A variety of materials are suggested: concrete, stainless steel, fabricated aluminum.

Sign shall be incorporated into the landscape / hardscape design.

7.82 Monument Sign

PRIMARY VEHICULAR DIRECTIONAL

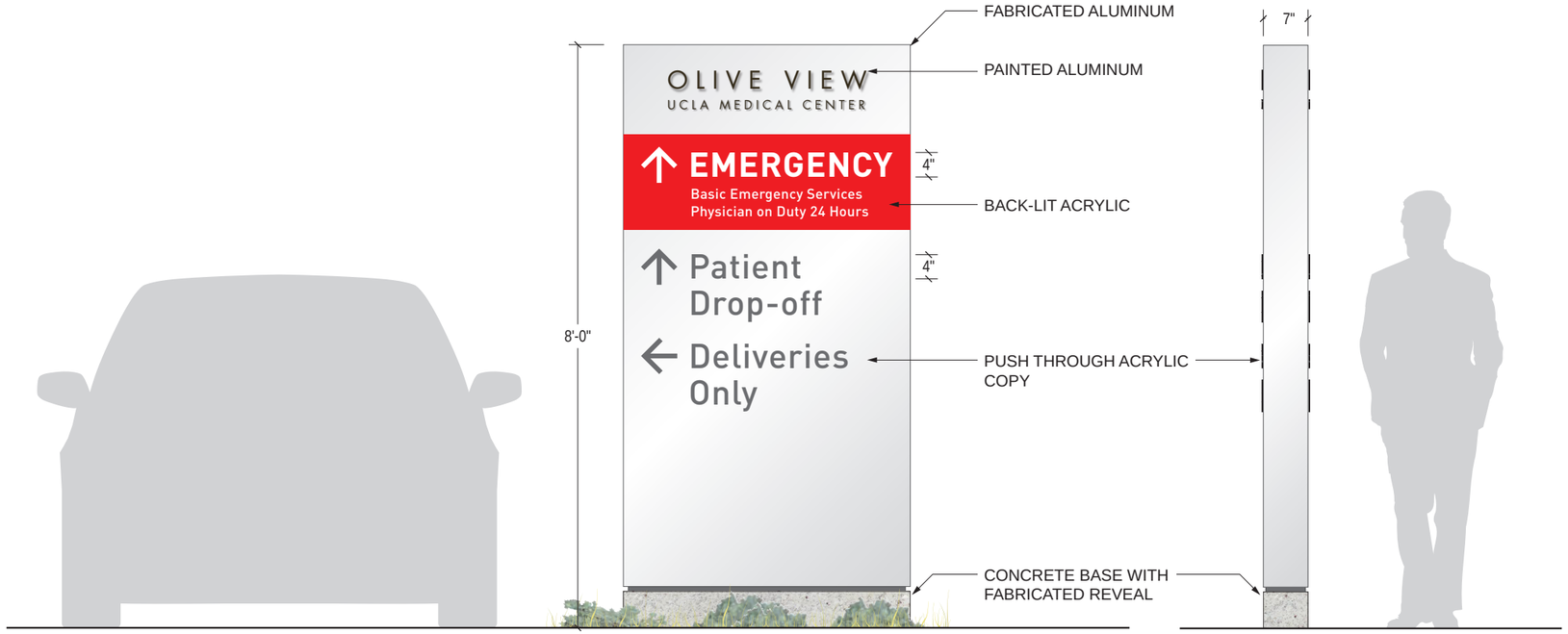
Signs will be located within the site to provide directional information for vehicular traffic. These will be large monument signs and display a list of key destinations with directional arrows. Branding elements, graphic devices, and project colors will be incorporated into this sign type.

Sign shall be fabricated aluminum and internally illuminated with routed and push through copy. Sign shall set upon a concrete base.

NIGHT VIEW

3 **TOP VIEW**

SCALE: 1/2"=1'-0"



4 **PRIMARY VEHICULAR DIRECTIONAL**

SCALE: 1/2"=1'-0"

2 **SIDE VIEW**

SCALE: 1/2"=1'-0"

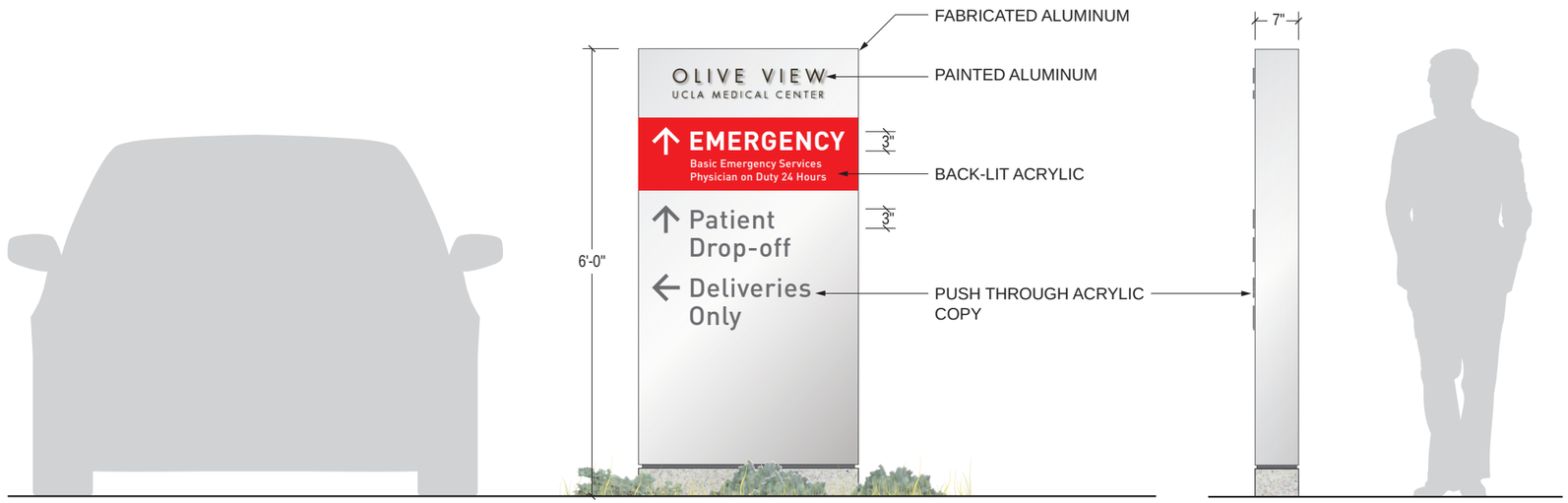
7.83 Primary Vehicle Sign

SECONDARY VEHICULAR DIRECTIONAL

Signs will be located within the site to provide directional information for vehicular traffic. These will be medium monument signs and display a list of key destinations with directional arrows. Branding elements, graphic devices, and project colors will be incorporated into this sign type.

Sign shall be fabricated aluminum and internally illuminated with routed and push through copy. Sign shall set upon a concrete base.

3 **TOP VIEW**
SCALE: 1/2"=1'-0"



5 **SECONDARY VEHICULAR DIRECTIONAL**
SCALE: 1/2"=1'-0"

2 **SIDE VIEW**
SCALE: 1/2"=1'-0"

7.84 Secondary Vehicle Sign

BUILDING MONUMENT

These signs will identify buildings within the site. They will be horizontal in format and contain the building name. These signs will be illuminated either internally or externally. They will be either fabricated aluminum cabinets, or concrete monuments with applied dimensional copy.

Signs will be located near the building entrance and be incorporated into landscape or hardscape conditions.

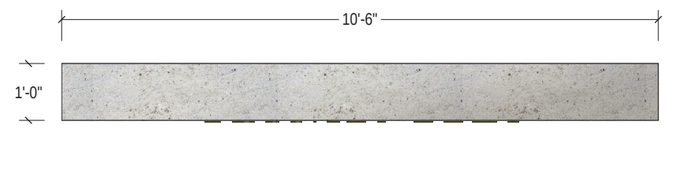
10 **BUILDING MONUMENT**
SCALE: 3/8"=1'-0"

2 **SIDE VIEW**
SCALE: 3/8"=1'-0"

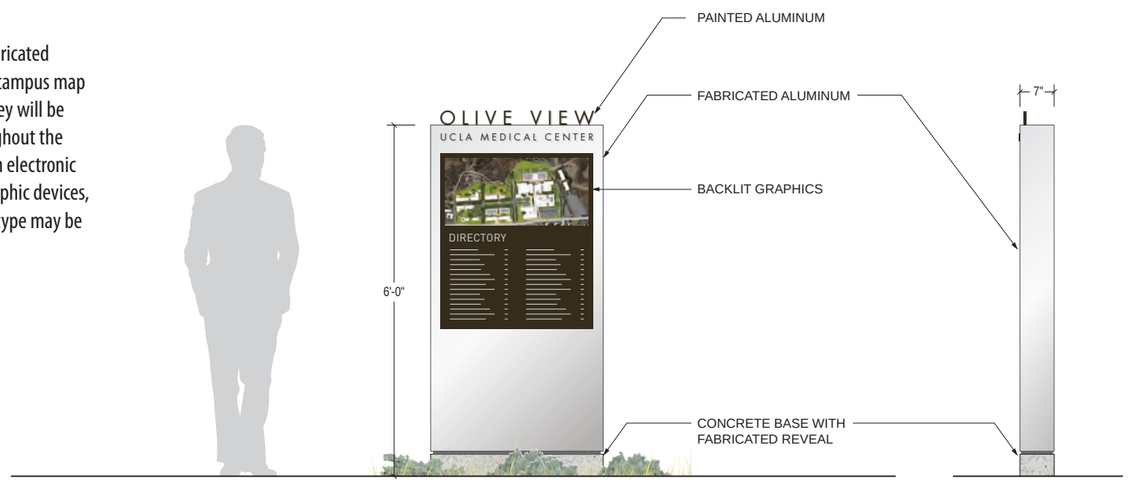
7.85 Building Monument Sign

YOU-ARE-HERE DIRECTORY MAPS

Pedestrian information kiosks will consist of a fabricated aluminum cabinet containing a digitally printed campus map and a directory of buildings and departments. They will be located at key decision/information points throughout the campus and at campus entrances. (A touch screen electronic map may be considered.) Branding elements, graphic devices, and project colors will be incorporated. This sign type may be internally illuminated.

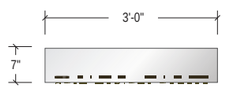


3 **TOP VIEW**
SCALE: 3/8"=1'-0"



11 **YOU ARE HERE DIRECTORY MAPS**
SCALE: 1/2"=1'-0"

2 **SIDE VIEW**
SCALE: 1/2"=1'-0"

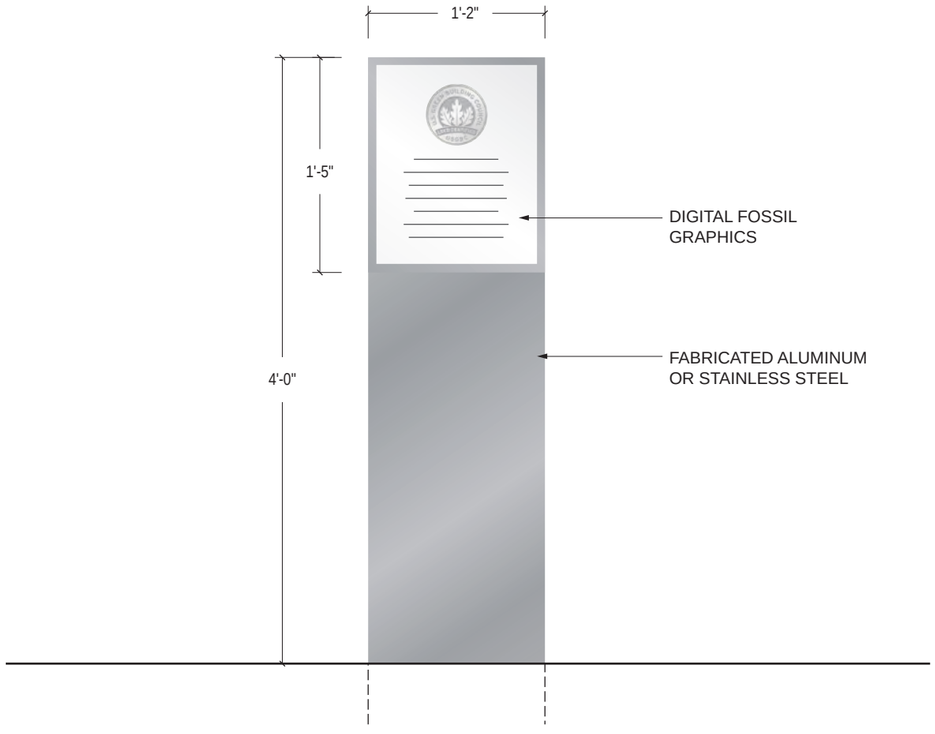


3 **TOP VIEW**
SCALE: 1/2"=1'-0"

7.86 Directory Map

SMITHGROUP JJR

3 **TOP VIEW**



13 **AMENITY SIGNAGE**

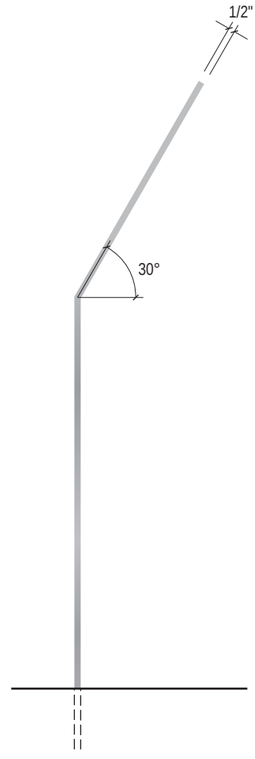
SCALE: 1/2"=1'-0"

4 **CONTEXT ELEVATION**

SCALE: 3/8"=1'-0"

AMENITY SIGNAGE

Small pylons will be located throughout the campus to identify and describe various LEED features of the campus and applicable buildings. They will consist of fabricated aluminum panels with screened or digitally printed copy and graphics. These signs with be non-illuminated.



2 **SIDE VIEW**

SCALE: 1/2"=1'-0"

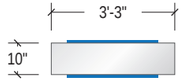
7.87 Amenity Signs

PARKING ENTRANCE IDENTIFICATION

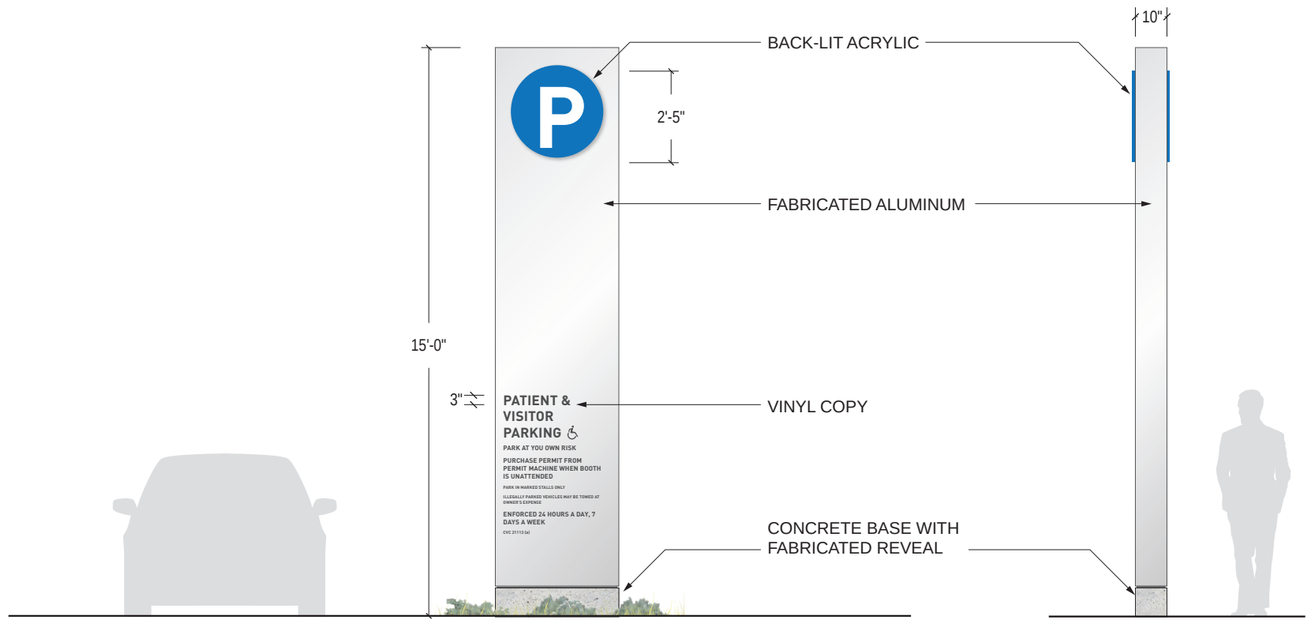
Parking lot entrances will be identified by pylon signs containing the parking lot identification number (or letter as required), and any restrictive parking information as required by code. Branding elements, graphic devices, and project colors will be incorporated into this sign type. Illumination (if any) will be determined during the design phase.

Signs shall be fabricated aluminum with dimensional and vinyl copy, set upon a concrete base.

Sign shall be located at the parking entrance, perpendicular to the flow of traffic, and incorporated into landscape and hardscape elements.



3 **TOP VIEW**
SCALE: 1/4"=1'-0"



14 **PARKING ENTRANCE IDENTIFICATION**
SCALE: 1/4"=1'-0"

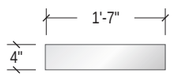
2 **SIDE VIEW**
SCALE: 1/4"=1'-0"

7.88 Parking Entrance Signs

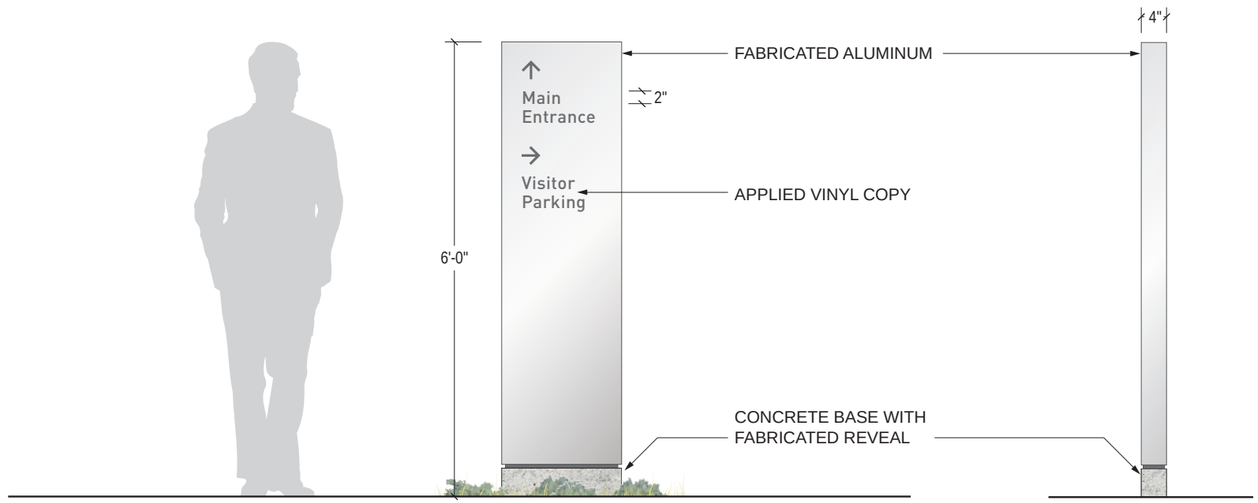
PEDESTRIAN DIRECTIONAL SIGNAGE

Small directional signs will be located throughout the site to guide pedestrians to the appropriate destinations. They will consist of fabricated aluminum pylons and contain key destinations and directional arrows. Branding elements, graphic devices, and project colors will be incorporated into this sign type.

Signs shall be non-illuminated. Signs shall sit upon a concrete base.



3 **TOP VIEW**
SCALE: 1/2"=1'-0"



12 **PEDESTRIAN DIRECTIONAL**
SCALE: 1/2"=1'-0"

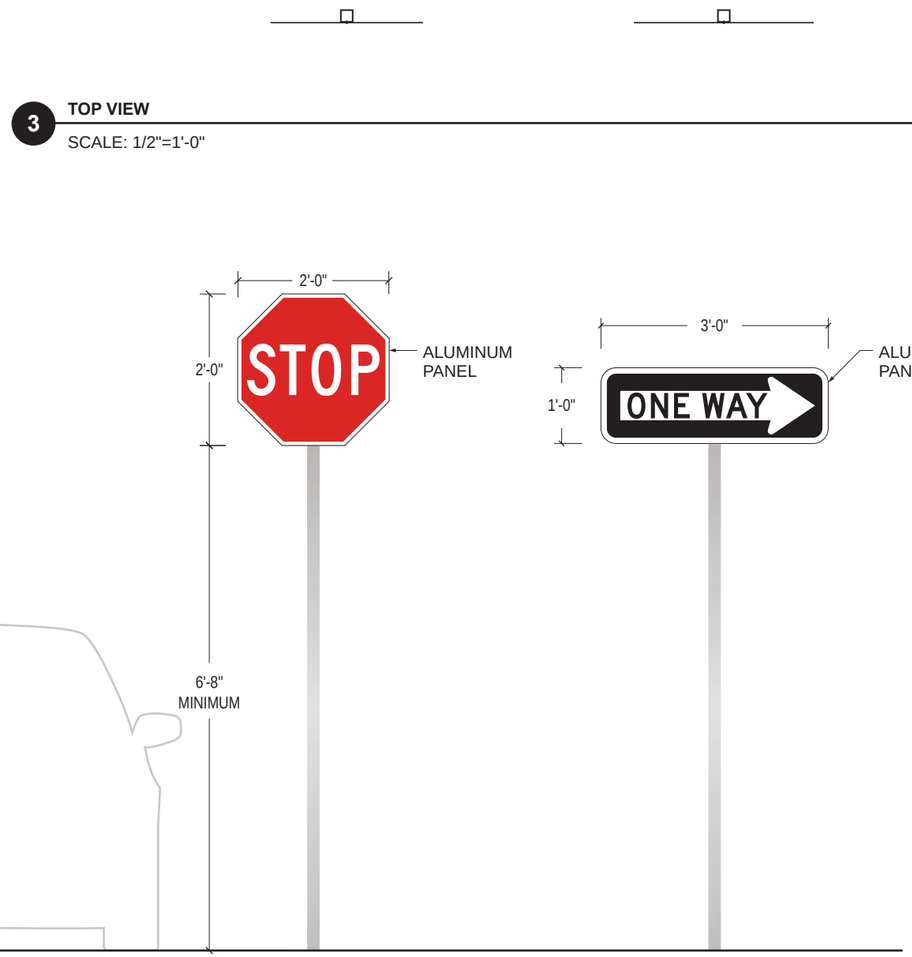
2 **SIDE VIEW**
SCALE: 1/2"=1'-0"

7.89 Pedestrian Directional Signs

SMITHGROUP JJR

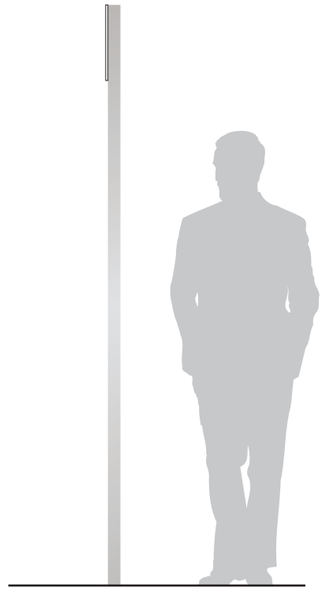
TRAFFIC SIGNAGE

Traffic signage will consist of standard traffic signs mounted to painted steel or aluminum poles. Sizes, locations, and quantities will be determined by the campus traffic engineer.



3 TOP VIEW
SCALE: 1/2"=1'-0"

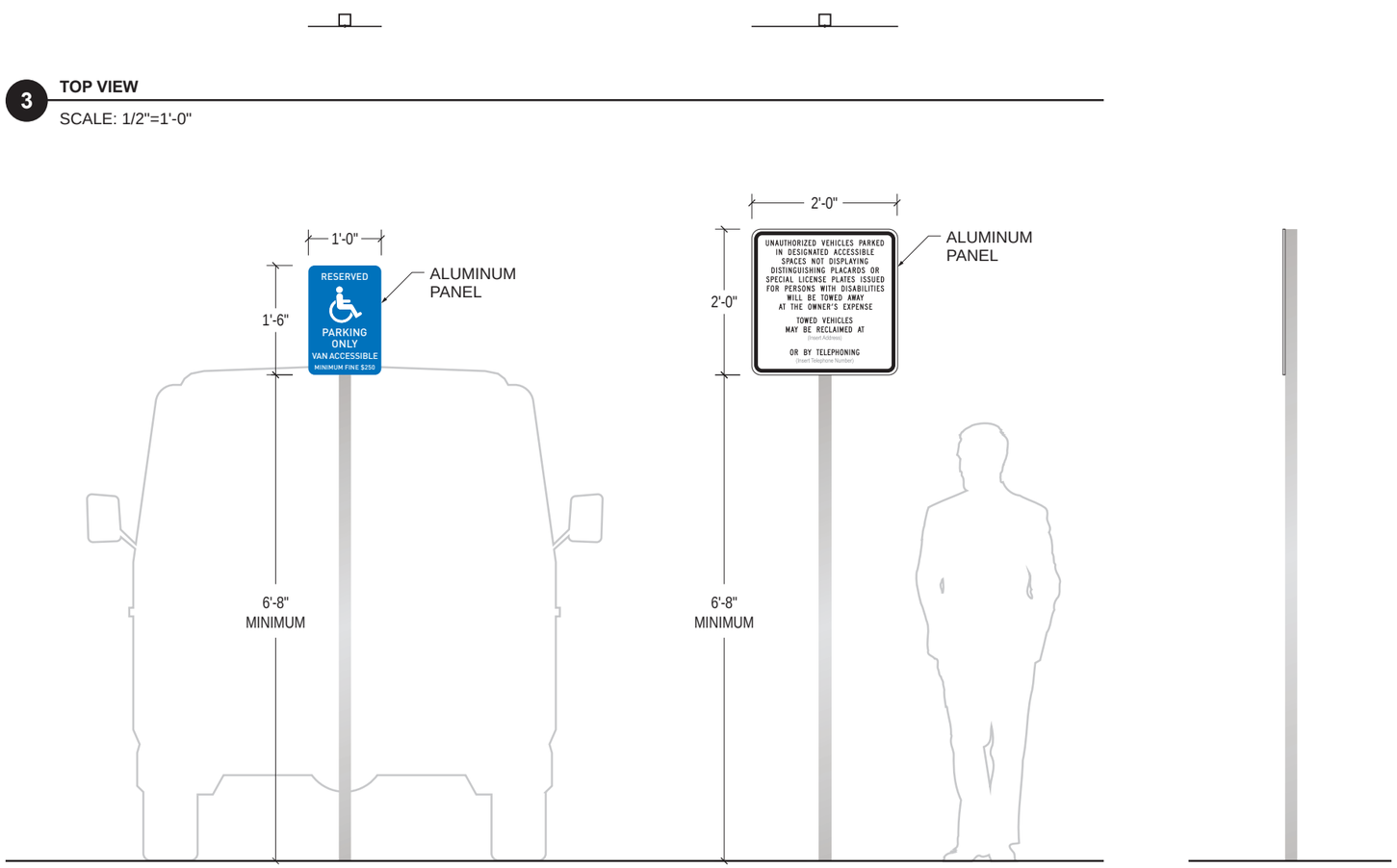
15 TRAFFIC SIGNAGE
SCALE: 1/2"=1'-0"



2 SIDE VIEW
SCALE: 1/2"=1'-0"

VEHICULAR REGULATORY/ RESTRICTIVE SIGNAGE

California Title 24 signage (accessible parking) will be located at all vehicular entrances and accessible parking stalls. Additional special parking stall identification and restrictive signage will be located as needed within the project boundaries. These signs will consist of painted aluminum panels mounted to painted steel or aluminum posts.

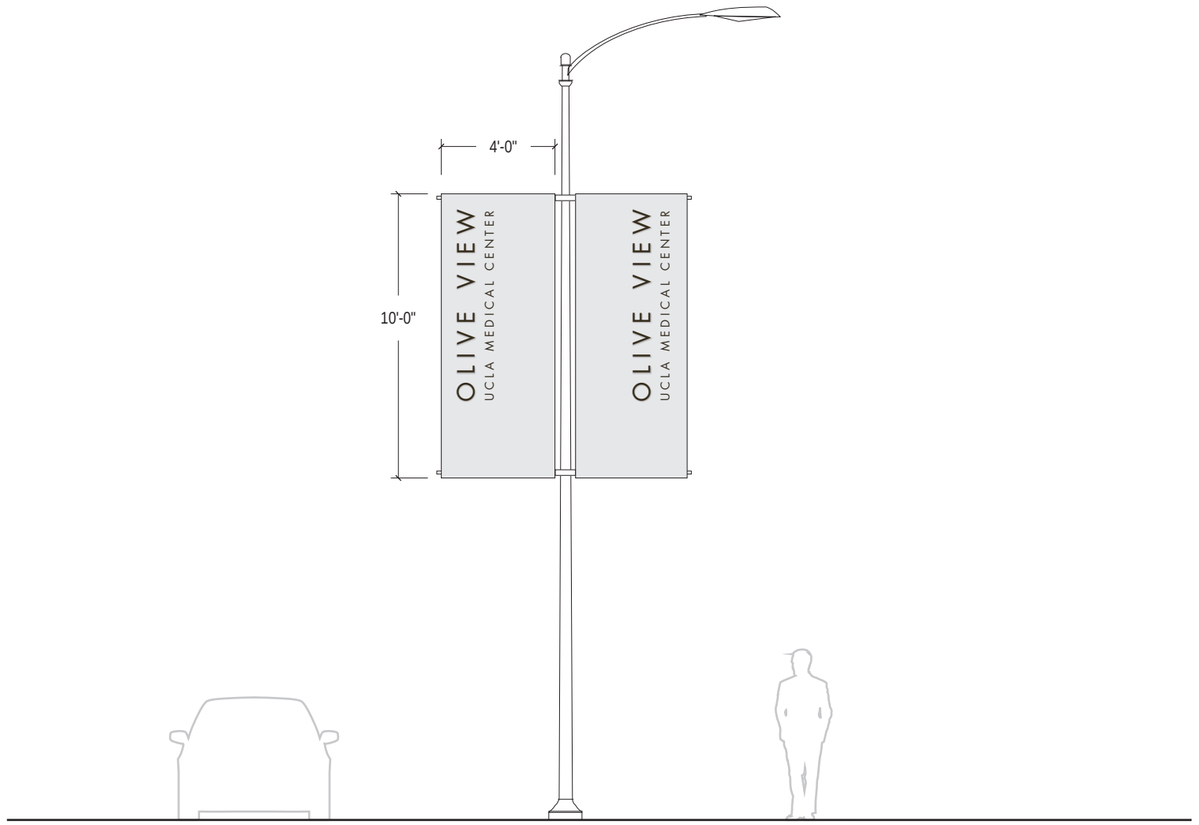


3 **TOP VIEW**
SCALE: 1/2"=1'-0"

16 **VEHICULAR REGULATORY/RESTRICTIVE SIGNAGE**
SCALE: 1/2"=1'-0"

2 **SIDE VIEW**
SCALE: 1/2"=1'-0"

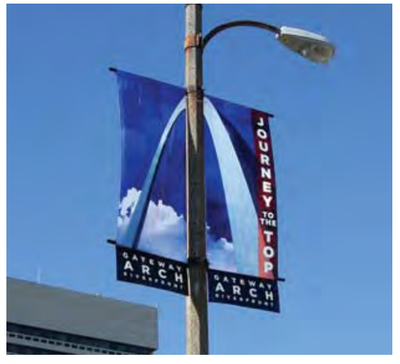
7.91 Vehicular Regulatory Signs



17 BANNERS

SCALE: 3/16"=1'-0"

7.92 Banners



7.93 Examples of banners

BANNERS

A banner program shall be developed for use along the main vehicular routes within and bordering the site.

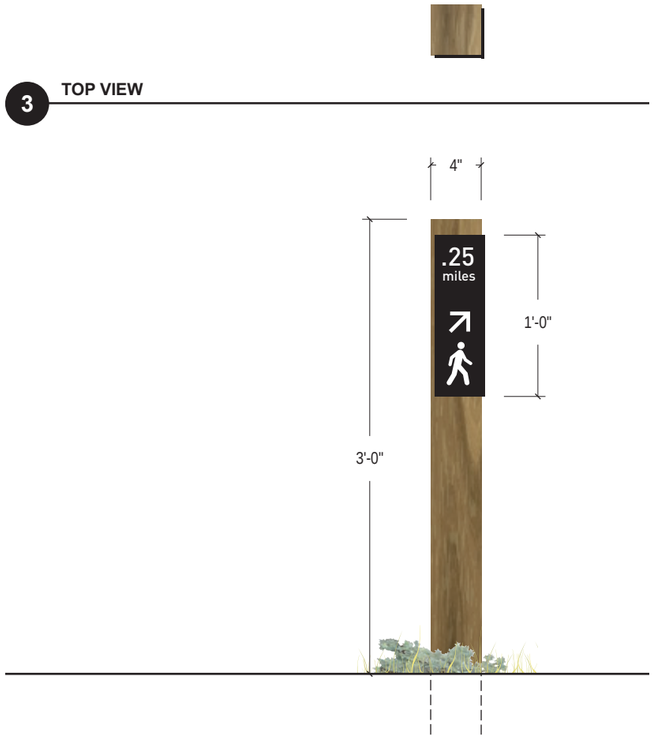
It is recommended that a series of banner designs be used and changed out on a regular basis. Banners shall contain branding identification and display upcoming events, seasonal greetings, and temporary information.

Banners shall be digitally printed on exterior grade fabric and be attached to existing light standards with a painted metal bracket.

TRAIL SIGNAGE

Small trail signs shall used to identify and direct pedestrians along the surrounding network of trails and health walks. They shall be located at regular intervals along the walk and display mile/distance marker information. They will also be located at decision points to identify routes and destinations. Signs shall be painted aluminum panels on wood or aluminum supports.

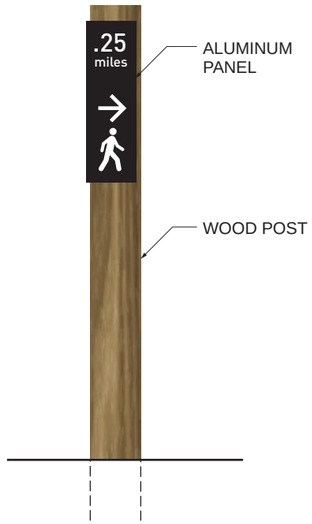
7.94 Examples of trail signs



3 TOP VIEW

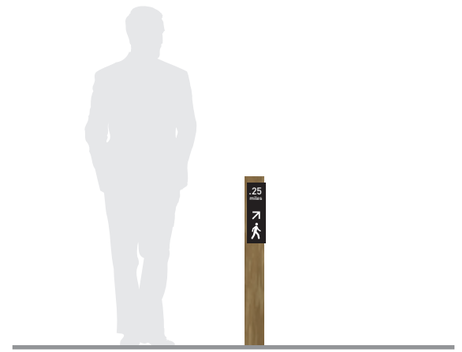
18 TRAIL SIGNAGE MARKER

SCALE: 1"=1'-0"



2 SIDE VIEW

SCALE: 1"=1'-0"



4 CONTEXT ELEVATION

SCALE: 3/8"=1'-0"

7.95 Trail Signs

SMITHGROUP JJR

08 IMPLEMENTATION

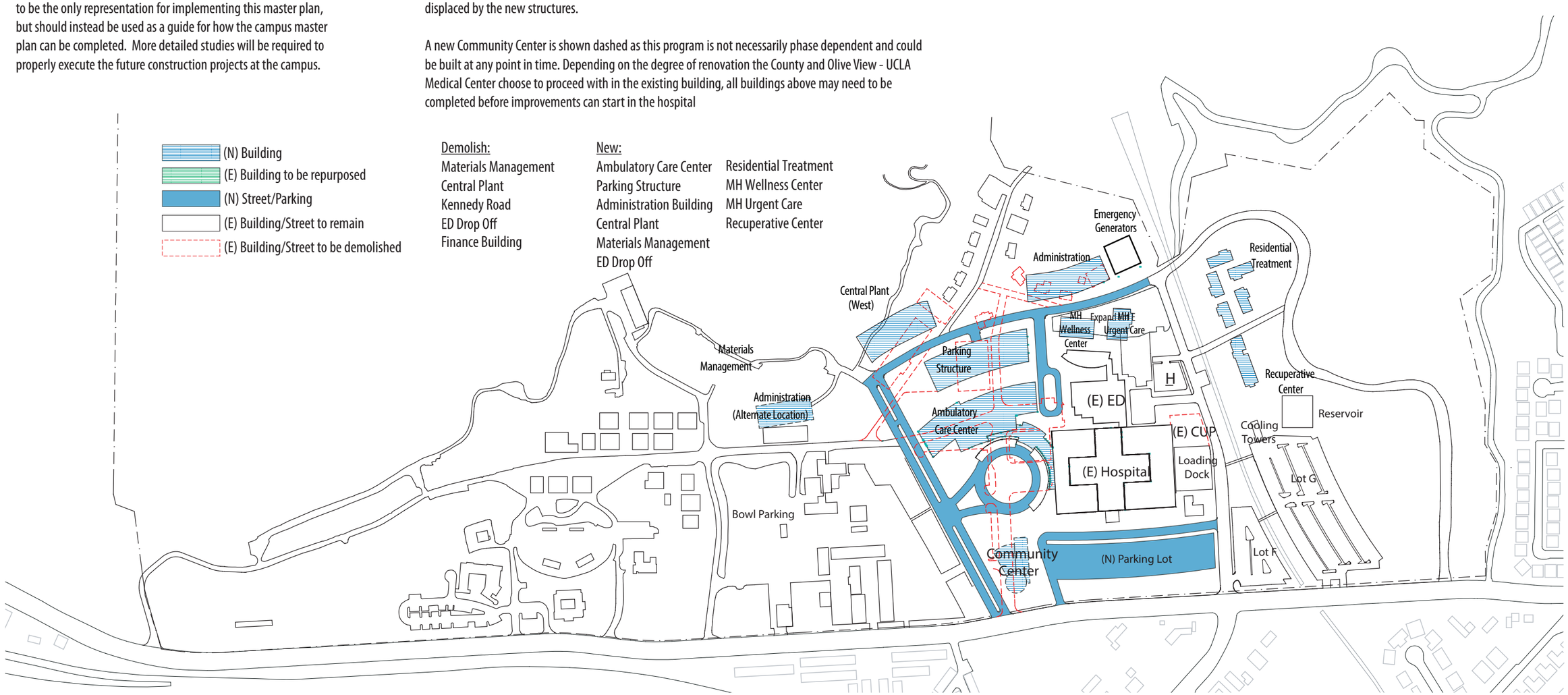
PHASING

The phased implementation of the Olive View - UCLA Medical Center Master Plan is represented in the following diagrams. They illustrate the many complexities and paths the master plan can take depending on the decisions made by the medical center and County of Los Angeles. These phasing diagrams are not intended to be the only representation for implementing this master plan, but should instead be used as a guide for how the campus master plan can be completed. More detailed studies will be required to properly execute the future construction projects at the campus.

RENOVATION PHASE 1

The first priority for the campus is a new Ambulatory Care Center and new Central Plant. Because of the parking demand required for this new building, a new parking structure is shown immediately to its north. A new Materials Management Building must be provided as shown, because the existing facility is displaced by the new parking structure. Similarly a new Administration Building must also be built, in order to consolidate and replace the programs currently housed in miscellaneous cottages and buildings displaced by the new structures.

A new Community Center is shown dashed as this program is not necessarily phase dependent and could be built at any point in time. Depending on the degree of renovation the County and Olive View - UCLA Medical Center choose to proceed with in the existing building, all buildings above may need to be completed before improvements can start in the hospital

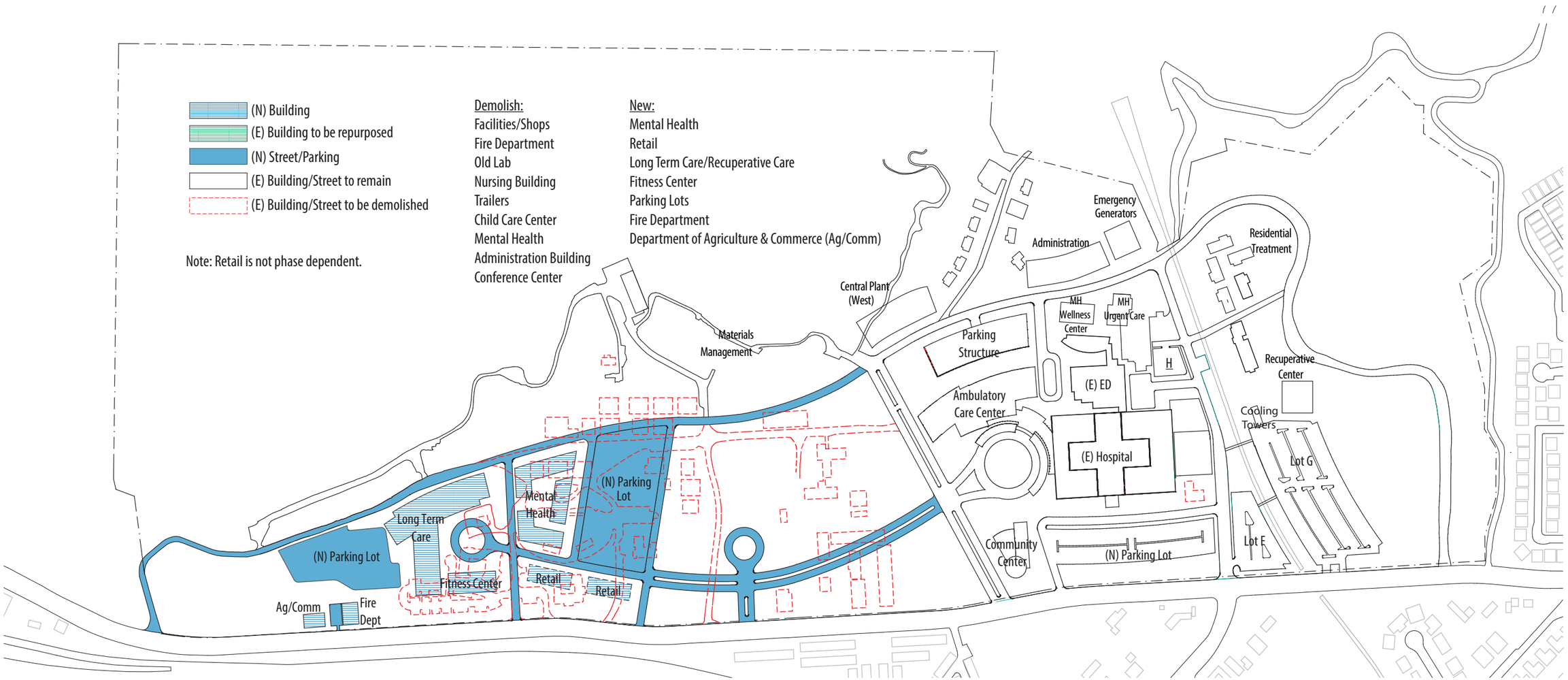


8.01 Phasing Diagram - Renovation Phase 1

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

RENOVATION PHASE 2

A potential second phase is to develop the far west end of the campus. Included in this development is a new Supportive Care/Recuperative Care Building Complex, a new Fitness Center, and a new Mental Health Building. Is it also suggested that the existing facilities and maintenance shops can be relocated to the new Central Plant. A new Fire Department and Department of Agriculture and Commerce is shown to the far west end.



8.02 Phasing Diagram - Renovation Phase 2

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

RENOVATION PHASE 3

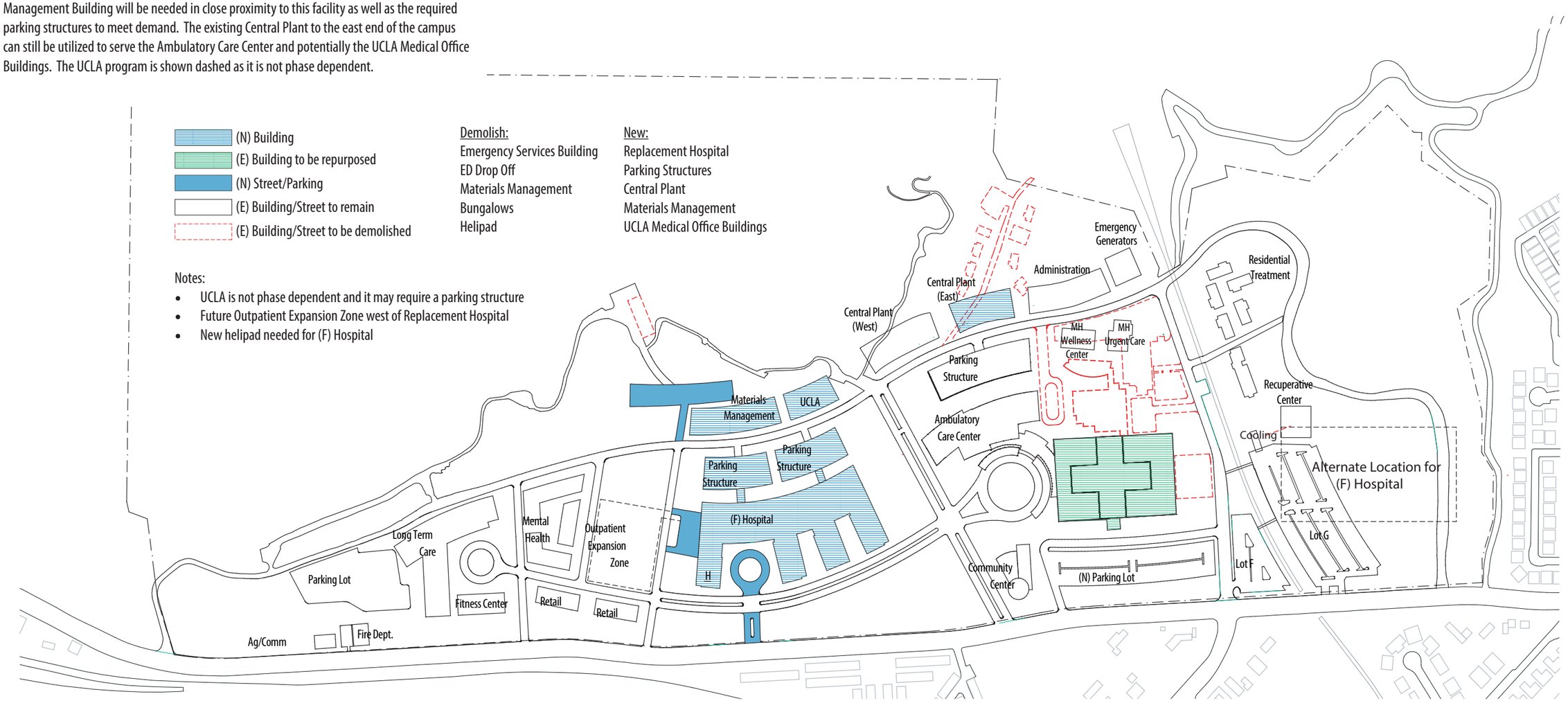
The third phase for Renovation reaches beyond the planning horizon described in the master plan report. If the medical center choses to renovate the existing Hospital, that facility can remain in operation beyond the requirements of OSHPD's 2030 deadline for seismic upgrades. When the time comes to replace this existing facility, it is still important to identify a zone on the campus where a new Hospital can be developed. A new dedicated Central Plant and Materials Management Building will be needed in close proximity to this facility as well as the required parking structures to meet demand. The existing Central Plant to the east end of the campus can still be utilized to serve the Ambulatory Care Center and potentially the UCLA Medical Office Buildings. The UCLA program is shown dashed as it is not phase dependent.

(N) Building
(E) Building to be repurposed
(N) Street/Parking
(E) Building/Street to remain
(E) Building/Street to be demolished

Demolish:
Emergency Services Building
ED Drop Off
Materials Management
Bungalows
Helipad

New:
Replacement Hospital
Parking Structures
Central Plant
Materials Management
UCLA Medical Office Buildings

Notes:
- UCLA is not phase dependent and it may require a parking structure
- Future Outpatient Expansion Zone west of Replacement Hospital
- New helipad needed for (F) Hospital

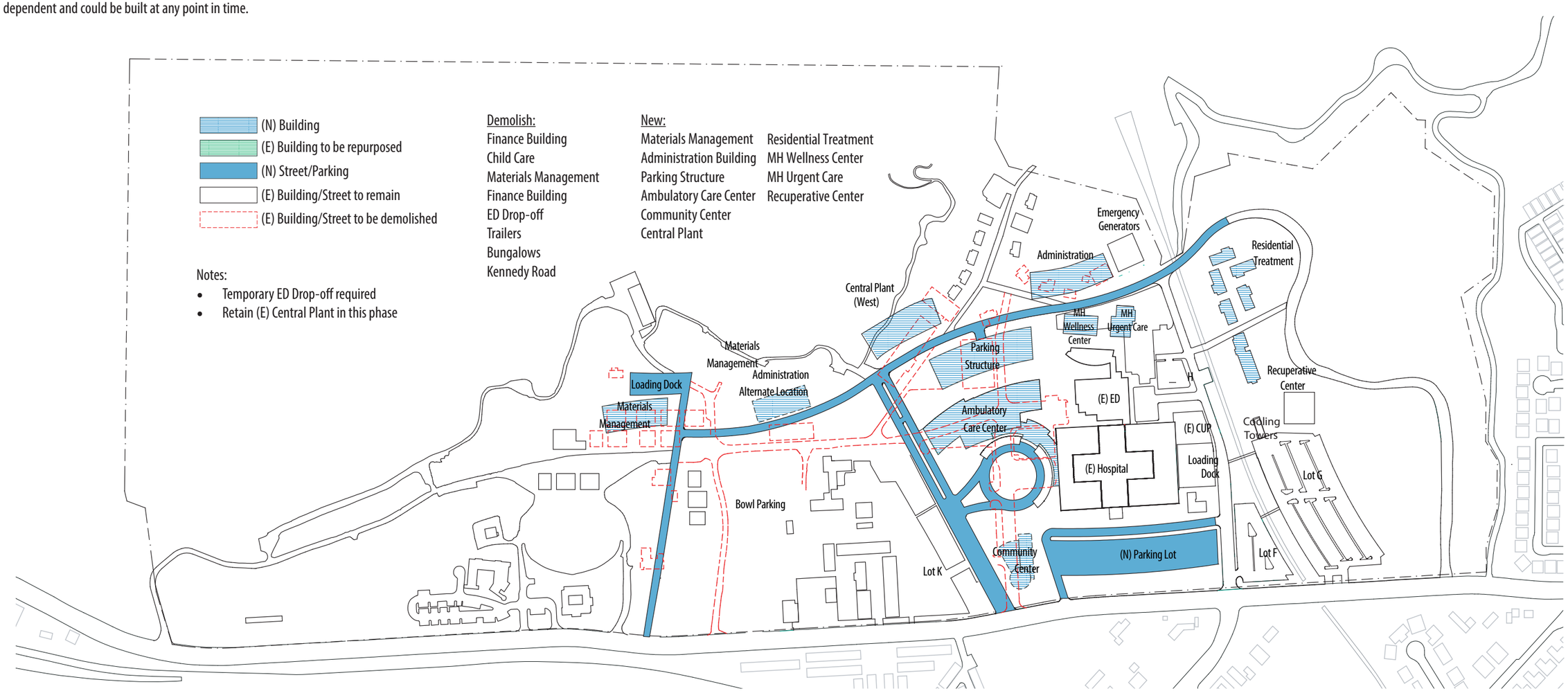


8.03 Phasing Diagram - Renovation Phase 3

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

REPLACEMENT PHASE 1

Similar to the Renovation scheme, the first priority for the campus is a new Ambulatory Care Center and new Central Plant. A new parking structure to serve the Ambulatory Care Center is shown immediately to the north. Similarly, a new Materials Management Building is shown as the existing facility is displaced by the new parking structure. It is again suggested that a new Administration Building be provided to account for some of the impacts to the existing outlying cottages which currently house those services. A new Community Center is not necessarily phase dependent and could be built at any point in time.



8.04 Phasing Diagram - Replacement Phase 1

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

REPLACEMENT PHASE 2

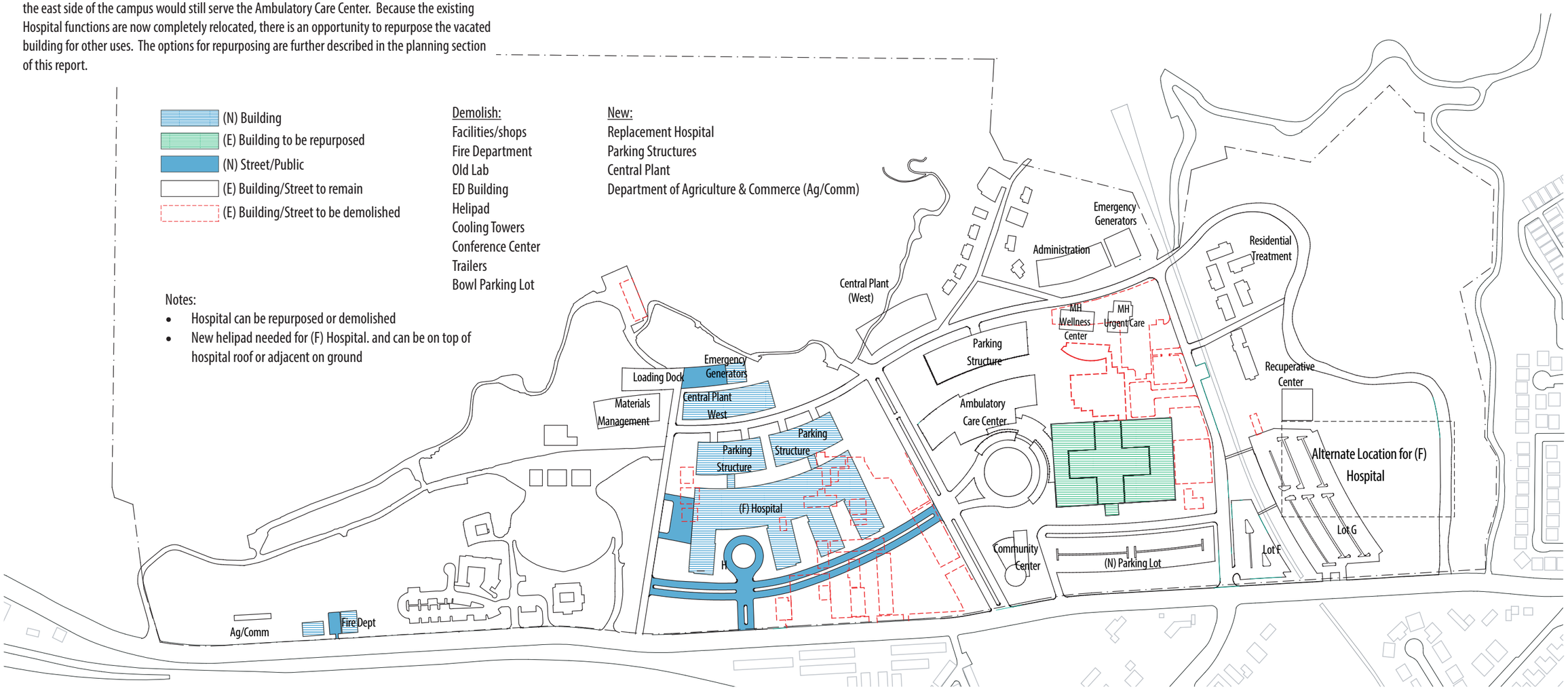
In contrast to the Renovation scheme which upgrades the existing Hospital to comply with the OSHPD seismic requirements and reserves an area for the future Hospital, the Replacement scheme is focused on developing a new facility within the planning horizon of 2035. Along with this new Hospital, parking structures are required to meet the demand. In addition, a new Central Plant is shown immediately to the north which would only serve this new Hospital. The central plant to the east side of the campus would still serve the Ambulatory Care Center. Because the existing Hospital functions are now completely relocated, there is an opportunity to repurpose the vacated building for other uses. The options for repurposing are further described in the planning section of this report.

(N) Building
(E) Building to be repurposed
(N) Street/Public
(E) Building/Street to remain
(E) Building/Street to be demolished

Demolish:
Facilities/shops
Fire Department
Old Lab
ED Building
Helipad
Cooling Towers
Conference Center
Trailers
Bowl Parking Lot

New:
Replacement Hospital
Parking Structures
Central Plant
Department of Agriculture & Commerce (Ag/Comm)

Notes:
- Hospital can be repurposed or demolished
- New helipad needed for (F) Hospital. and can be on top of hospital roof or adjacent on ground

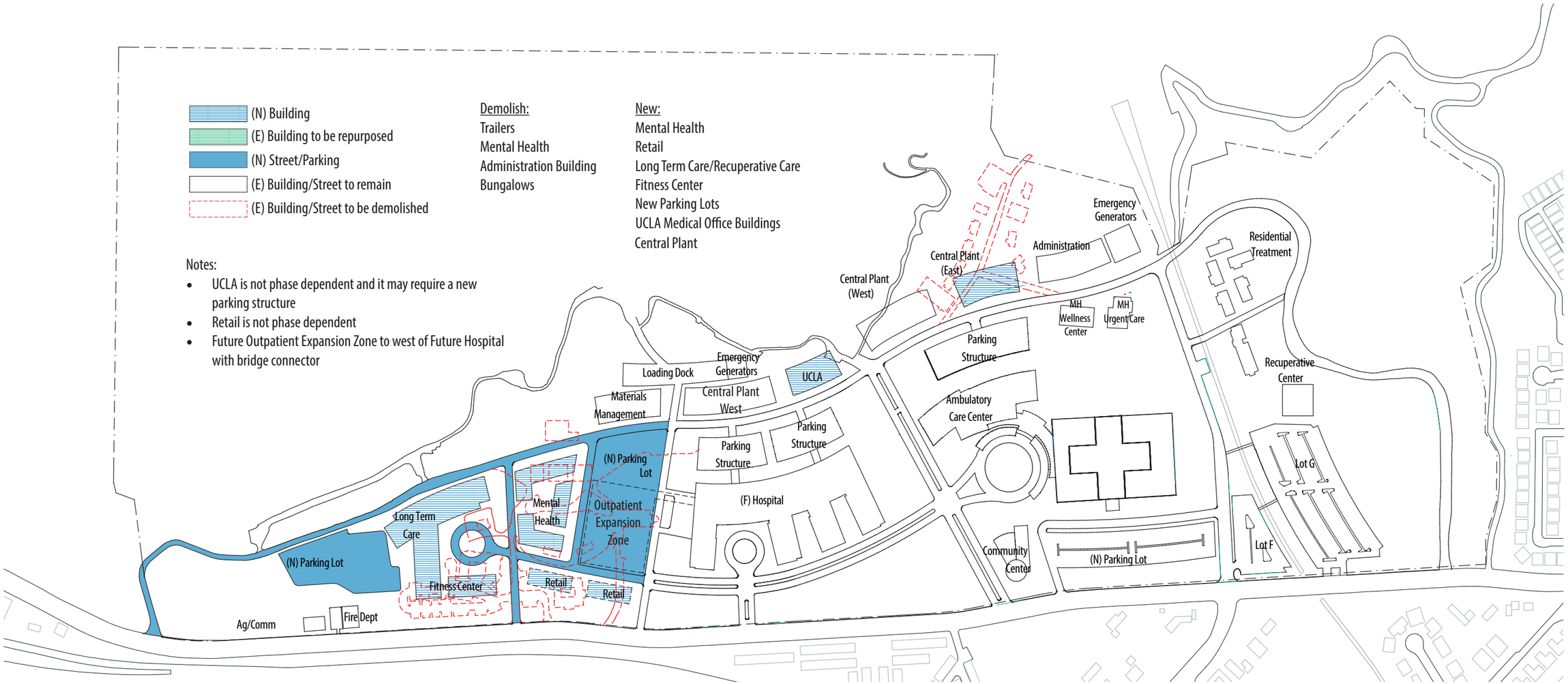


8.05 Phasing Diagram - Replacement Phase 2

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

REPLACEMENT PHASE 3

The final phase consists of the development of the west end of the campus. The new Supportive Care/Recuperative Care Building and Mental Health buildings are located in this area. The Fitness Center will serve the Long Term Care Building. The retail buildings are not necessarily tied to this phase of development, but can be built when deemed appropriate to the campus.



8.06 Phasing Diagram - Replacement Phase 3

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

(Original) SmithGroup JJR, 2015, (Updated) Perkins Eastman 2019

Future Hospital Entry Plaza and Drop-off

New Ambulatory Care Center and Existing Hospital Drop-off

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SMITHGROUP JJR

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Appendix C

Air Quality, Energy, Greenhouse Gas Emissions Calculations

Los Angeles County Department of Public Works

Olive View-UCLA Medical Center Master Plan

ASSUMPTIONS

CONSTRUCTION

Tier 1A (Mental Health Wellness Center, Psych Urgent Care, Residential Treatment, and Recuperative Care)

Building	Demolition Required	Proposed	Units	Daily Trips	Daily Trips per ksf
Recuperative Care Center	-	16,356	sf	48	9.39
Residential Treatment Program Facility	-	47,035	sf	306	
Psychiatric Urgent Care Center	-	10,000	sf	335	
Mental Health Wellness Center	-	10,000	sf	297	29.70

Construction Schedule

Phase Name	Start Date	End Date	Num Days Week	Num Days
Demolition	1/1/2020	1/28/2020	5	20
Site Preparation	1/29/2020	1/30/2020	5	2
Grading	1/31/2020	2/5/2020	5	4
Building Construction	2/6/2020	11/11/2020	5	200
Paving	11/12/2020	11/25/2020	5	10
Architectural Coating	11/26/2020	12/9/2020	5	10

Assumptions / Notes

1. All buildings under construction concurrently. Default construction schedule based on building square footages.
2. Default construction equipment based on building square footages.
3. Off-site export is estimated to be 200 cy per day during the site prep and excavation phases; no import is assumed
4. No building demolition is required for the Restorative Village structures.
5. Default construction trip number and length.
6. Daily operational trips based on March 2019 TIA prepared by Fehr & Peers
7. Rule 403 compliance includes watering exposed areas three times per day and cleaning paved surfaces.
8. VOC content of architectural coatings changed to 50 g/L per SCAQMD Rule 1113

Tier 1B (Ambulatory Care Center, Parking Structure, Administration, Community Center, Material Management, and Central Plant East)

Building	Demolition Required	Proposed	Units	Daily Trips	Daily Trips per ksf	Import	Export
Ambulatory Care Center	-	296,000	sf	9,973	33.69	8,850	-
Parking Structure	-	674	spaces			700	3,600
Community Center	-	20,000	sf			1,000	1,000
Administration	52,300	96,000	sf			6,950	-
Central Plant East	51,000	77,000	sf			-	17,600
Material Management	32,500	68,100	sf			-	12,050
TOTAL	135,800				**TOTAL**	**17,500**	**34,250**
					Site Prep	5,833.33	11,417
					Grading	11,667	22,833

Construction Schedule

Phase Name	Start Date	End Date	Num Days Week	Num Days
Demolition	1/1/2021	1/28/2021	5	20
Site Preparation	1/29/2021	2/11/2021	5	10
Grading	2/12/2021	3/11/2021	5	20
Building Construction	3/12/2021	1/27/2022	5	230
Paving	1/28/2022	2/24/2022	5	20
Architectural Coating	2/25/2022	3/24/2022	5	20

Assumptions / Notes

1. All buildings under construction concurrently. Default construction schedule based on building square footages.
2. Default construction equipment based on building square footages.
3. Off-site export and import estimates provided by SmithGroupJJR. Import/export quantities assumed to be distributed evenly over demo, site prep, and grading phases.
4. Demolition square footage provided by SmithGroupJJR
5. Default construction trip number and length.
6. Daily operational trips based on March 2019 TIA prepared by Fehr & Peers
7. Rule 403 compliance includes watering exposed areas three times per day and cleaning paved surfaces.
8. VOC content of architectural coatings changed to 50 g/L per SCAQMD Rule 1113
9. Community center modeled as library, as this is the land use type that most closely resembles the function.

OPERATION

	Existing (sf)*	Proposed Tier 1 (sf)
Ambulatory Care Center	-	296,000
Community Center	9,300	20,000
Recuperative Care Center	-	16,356
Residential Treatment Program Facility	-	47,035
Psychiatric Urgent Care Center		10,000
Mental Health Wellness Center		10,000
Administration**	108,000	96,000
Retail	-	-
Mental Health	11,000	-
Materials Management/Supply Services	32,500	68,100
Central Utility Plant	51,000	77,000
Support Services Buildings	16,800	-
Storage Trailers (vacant during survey)	61,000	-
Parking Facilities		
Surface stalls	2,672	1,369
Stalls in structure	-	674
Surface square footage	1,256,000	643,000

Total Trips 6,132

Trips apportioned into Administration land use 56.78

* Only net changes in square footage were modeled under existing conditions.

Los Angeles County Department of Public Works
Olive View-UCLA Medical Center Master Plan
EMISSIONS FROM PERMITTED SOURCES

	MT/yr	tons/yr						lbs per average day					
	GHG	VOC	NOx	CO	SOx	PM10	PM2.5	VOC	NOx	CO	SOx	PM10	PM2.5
Existing (2016)	17,832	0.5	15.0	5.5	0.5	3.3	3.3	3	82	30	3	18	18
Net Proposed New Uses (a)	4,280	0.1	3.6	1.3	0.1	0.8	0.8	1	20	7	1	4	4
Ex + Project	22,112	1	19	7	1	4	4	4	102	37	4	23	23

Scalar (a) 24%

(a) Net increase in emissions after accounting for demolition of existing uses and construction of proposed new uses

	Existing	Tier 1A	Tier 1B
Area	0.5	0	<1
Energy	1,178	945	5,325
Mobile	11,190	1499	14,282
Waste	200	453	1,742
Water	424	74	635
	17,832		22,112
Permitted Total	*30,825*	*2,972*	*44,096*

Tier 1 Total	Net Emissions	Amortized Construction	Construction + Operation
47,068	16,243	55	16,298

GHGs is 2016; CP are 2016 from FIND

2018	2.0	17.6		0.5	3.4	3.4
2017	0.4	14.9	5.3	0.5	3.7	3.7
2016	0.542	14.981	5.451	0.518	3.346	3.346

Source: https://xappprod.aqmd.gov/find//facility/AQMDsearch?facilityID=3093

Year	GHGs
2012	16,610
2013	17,654
2014	17,596
2015	18,304
2016	17,832
2017	18,726

Source: https://ww2.arb.ca.gov/mrr-data

Tier 1 Building Square Footages

	Existing	Tier I (2035)	
		Proposed Demolition	Proposed New Development
Recuperative Care Center	-	-	16,356
Residential Treatment Program Facility	-	-	47,035
Mental Health Urgent Care Center			10,000
Mental Health Wellness Center			10,000
Ambulatory Care Center	-	-	296,000
Inpatient Hospital	534,300	4,300	
Community Center	9,300	-	10,000
Central Utility Plant	51,000	51,000	77,000
Materials Management/Supply Services	32,500	32,500	68,100
Administration**	108,000	52,300	96,000
Support Services Buildings	16,800	16,800	
Research and Development			
Long-Term Care			
Retail	-	-	-
Mental Health	11,000	-	-
Storage Trailers (vacant during survey)	61,000	-	-
	823,900	**-156,900**	**640,491**
Energy Use Intensity (kBtu/SF-yr)	450	450	250
Energy Use (kBtu/yr)	370,755,000	(70,605,000)	160,122,750
			124%

	Energy Use Intensity (kBtu/SF-yr)	% Reduction from Existing
Existing	450	-
2020	250	44%
2030	50	89%

Source: August 2015 Olive View-UCLA Medical Center Master Plan, Figure 6.49, p. 103

TOTAL
460,272,750

Los Angeles County Department of Public Works
Olive View-UCLA Medical Center Master Plan
CONSTRUCTION EMISSIONS

Daily Construction Emissions

Tier 1A (Mental Health Wellness Center, Psych Urgent Care, Residential Treatment, and Recuperative Care)

Daily Construction Emissions (pounds per day) - Unmitigated

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Demolition	On-Site	2	21	15	0		1	1		1	1
	Off-Site	0	0	1	0	0	0	0	0	0	0
	Phase Total	**2**	**21**	**15**	**0**	**0**	**1**	**1**	**0**	**1**	**1**
Site Preparation	On-Site	2	18	8	0	2	1	3	1	1	2
	Off-Site	0	4	1	0	0	0	0	0	0	0
	Phase Total	**2**	**22**	**9**	**0**	**2**	**1**	**3**	**1**	**1**	**2**
Grading	On-Site	1	15	6	0	2	1	3	1	1	2
	Off-Site	0	2	1	0	0	0	0	0	0	0
	Phase Total	**1**	**17**	**7**	**0**	**2**	**1**	**3**	**1**	**1**	**2**
Building Construction	On-Site	2	15	13	0		1	1		1	1
	Off-Site	0	2	2	0	0	0	0	0	0	0
	Phase Total	**2**	**16**	**15**	**0**	**0**	**1**	**1**	**0**	**1**	**1**
Paving	On-Site	1	8	9	0		0	0		0	0
	Off-Site	0	0	1	0	0	0	0	0	0	0
	Phase Total	**1**	**8**	**9**	**0**	**0**	**0**	**1**	**0**	**0**	**0**
Architectural Coating	On-Site	39	2	2	0		0	0		0	0
	Off-Site	0	0	0	0	0	0	0	0	0	0
	Phase Total	**39**	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Localized Emissions											
On-Site Emissions		39	21	15	0	2	1	3	1	1	2
10% of off-site emissions		0.00	0.00	0.11	0.00	0.02	0.00	0.01	0.00	0.00	0.00
Total On-Site Emissions		39	21	15	0	2	1	3	1	1	2
Localized Significance Thresholds (a)		N/A	122	2,227	N/A	N/A	N/A	54	N/A	N/A	18
Exceeds Threshold?		No	No	No	No	No	No	No	No	No	No
Regional Emissions											
Maximum Regional Emissions		39	22	15	0	2	1	3	1	1	2
Regional Significance Thresholds		75	100	550	150	N/A	N/A	150	N/A	N/A	55
Exceeds Threshold?		No	No	No	No	No	No	No	No	No	No

(a) LSTs for SRA 7 assume 1-acre site and a 200-m receptor distance. Actual receptor distance is approximately 350 m.

Tier 1B (Ambulatory Care Center, Parking Structure, Administration, Community Center, Material Management, and Central Plant East)

Daily Construction Emissions (pounds per day) - Unmitigated

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Demolition	On-Site	3	31	22	0	3	2	4	0	1	2
	Off-Site	0	8	3	0	0	0	0	0	0	0
	Phase Total	**3**	**40**	**24**	**0**	**3**	**2**	**5**	**1**	**1**	**2**
Site Preparation	On-Site	4	40	21	0	7	2	9	4	2	6
	Off-Site	2	58	14	0	2	0	3	1	0	1
	Phase Total	**6**	**98**	**35**	**0**	**10**	**2**	**12**	**5**	**2**	**7**
Grading	On-Site	2	25	16	0	3	1	4	1	1	2
	Off-Site	2	58	14	0	2	0	3	1	0	1
	Phase Total	**4**	**83**	**30**	**0**	**5**	**1**	**6**	**2**	**1**	**3**
Building Construction (2021)	On-Site	2	17	17	0		1	1		1	1
	Off-Site	2	14	16	0	3	0	3	1	0	1
	Phase Total	**4**	**31**	**32**	**0**	**3**	**1**	**4**	**1**	**1**	**2**
Building Construction (2022)	On-Site	2	16	16	0		1	1		1	1
	Off-Site	2	13	15	0	3	0	3	1	0	1
	Phase Total	**3**	**29**	**31**	**0**	**3**	**1**	**3**	**1**	**1**	**2**
Paving	On-Site	1	11	15	0		1	1		1	1
	Off-Site	0	0	1	0	0	0	0	0	0	0
	Phase Total	**1**	**11**	**15**	**0**	**0**	**1**	**1**	**0**	**1**	**1**
Architectural Coating	On-Site	66	1	2	0		0	0		0	0
	Off-Site	0	0	2	0	0	0	0	0	0	0
	Phase Total	**66**	**2**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Localized Emissions											
On-Site Total Emissions		66	40	22	0	7	2	9	4	2	6
10% of off-site emissions		0.02	5.79	0.25	0.02	0.25	0.02	0.26	0.07	0.02	0.09
Total On-Site Emissions		66	46	22	0	8	2	10	4	2	6
Localized Significance Thresholds (b)		N/A	165	1,872	N/A	N/A	N/A	42	N/A	N/A	10
Exceeds Threshold?		N/A	No	No	N/A	N/A	N/A	No	N/A	N/A	No
Regional Emissions											
Maximum Regional Emissions		66	98	35	0	10	2	12	5	2	7
Regional Significance Thresholds		75	100	550	150	N/A	N/A	150	N/A	N/A	55
Exceeds Threshold?		No	No	No	No	No	No	No	No	No	No

(b) LSTs for SRA 7 assume 5-acre site and a 50-m receptor distance from the proposed community center to the multi-family residential development south of the site.

Daily Construction Emissions (pounds per day) - Mitigated with Architectural Coatings VOC 25 g/L or less

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Demolition	On-Site	3	31	22	0	3	2	4	0	1	2
	Off-Site	0	8	3	0	0	0	0	0	0	0
	Phase Total	**3**	**40**	**24**	**0**	**3**	**2**	**5**	**1**	**1**	**2**
Site Preparation	On-Site	4	40	21	0	7	2	9	4	2	6
	Off-Site	2	58	14	0	2	0	3	1	0	1
	Phase Total	**6**	**98**	**35**	**0**	**10**	**2**	**12**	**5**	**2**	**7**
Grading	On-Site	2	25	16	0	3	1	4	1	1	2
	Off-Site	2	58	14	0	2	0	3	1	0	1
	Phase Total	**4**	**83**	**30**	**0**	**5**	**1**	**6**	**2**	**1**	**3**
Building Construction (2021)	On-Site	2	17	17	0		1	1		1	1
	Off-Site	2	14	16	0	3	0	3	1	0	1
	Phase Total	**4**	**31**	**32**	**0**	**3**	**1**	**4**	**1**	**1**	**2**
Building Construction (2022)	On-Site	2	16	16	0		1	1		1	1
	Off-Site	2	13	15	0	3	0	3	1	0	1
	Phase Total	**3**	**29**	**31**	**0**	**3**	**1**	**3**	**1**	**1**	**2**
Paving	On-Site	1	11	15	0		1	1		1	1
	Off-Site	0	0	1	0	0	0	0	0	0	0
	Phase Total	**1**	**11**	**15**	**0**	**0**	**1**	**1**	**0**	**1**	**1**
Architectural Coating	On-Site	66	1	2	0		0	0		0	0
	Off-Site	0	0	2	0	0	0	0	0	0	0
	Phase Total	**66**	**2**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Localized Emissions											
On-Site Total Emissions		66	40	22	0	7	2	9	4	2	6
10% of off-site emissions		0.02	5.79	0.25	0.02	0.25	0.02	0.26	0.07	0.02	0.09
Total On-Site Emissions		66	46	22	0	8	2	10	4	2	6
Localized Significance Thresholds (b)		N/A	165	1,872	N/A	N/A	N/A	42	N/A	N/A	10
Exceeds Threshold?		No	No	No	No	No	No	No	No	No	No
Regional Emissions											
Maximum Regional Emissions		66	98	35	0	10	2	12	5	2	7
Regional Significance Thresholds		75	100	550	150	N/A	N/A	150	N/A	N/A	55
Exceeds Threshold?		No	No	No	No	No	No	No	No	No	No

b. LSTs for SRA 7 assume 5-acre site and a 50-m receptor distance from the proposed community center to the multi-family residential development south of the site.

Annual Construction Emissions

Tier 1A (Mental Health Wellness Center, Psych Urgent Care, Residential Treatment, and Recuperative Care)

Annual Construction Emissions (tons per year, metric tons for CO2e) - Unmitigated

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2 Total (MT)	CO2e Total (MT)
Tier 1A	2020	0.45	1.96	1.70	0.00	0.03	0.10	0.13	0.01	0.09	0.10	280.54	281.6763
	Total	**0.45**	**1.96**	**1.70**	**0.00**	**0.03**	**0.10**	**0.13**	**0.01**	**0.09**	**0.10**	**280.54**	**281.6763**

Tier 1B (Ambulatory Care Center, Parking Structure, Administration, Community Center, Material Management, and Central Plant East)

Annual Construction Emissions (tons per year, metric tons for CO2e) - Unmitigated

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2 Total (MT)	CO2e Total (MT)
Tier 1B	2021	0.49	5.10	4.08	0.01	0.39	0.15	0.54	0.12	0.14	0.26	1267.50	1270.804
	2022	0.70	0.41	0.48	0.00	0.03	0.01	0.04	0.01	0.01	0.02	111.20	111.5647
	Total	**1.193**	**5.505**	**4.5626**	**0.01493**	**0.4163**	**0.1619**	**0.5783**	**0.13128**	**0.1517**	**0.283**	**1378.69**	**1382.369**

Amortized Construction Emissions	**55.47** MT CO2e

Los Angeles County Department of Public Works
Olive View-UCLA Medical Center Master Plan
OPERATIONAL EMISSIONS

Daily Operational Emissions

Existing Daily Operational Emissions (pounds per day)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	6	0	0	0		0	0		0	0
Energy	0	1	1	0		0	0		0	0
Mobile	22	90	295	1	49	1	50	13	1	14
Permitted Stationary Sources	3	82	30	3			18			18
Total	**31**	**173**	**325**	**4**	**49**	**1**	**68**	**13**	**1**	**32**

Tier 1A (Mental Health Wellness Center, Psych Urgent Care, Residential Treatment, and Recuperative Care)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	2	0	0	0		0	0		0	0
Energy	0	1	1	0		0	0		0	0
Mobile	2	9	27	0	7	0	7	2	0	2
Total	**4**	**10**	**28**	**0**	**7**	**0**	**7**	**2**	**0**	**2**

Tier 1B (Ambulatory Care Center, Parking Structure, Administration, Community Center, Material Management, and Central Plant East)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	12	0	0	0		0	0		0	0
Energy	1	6	5	0		0	0		0	0
Mobile	17	73	254	1	82	1	83	22	1	23
Net Mobile (Tier 1B-Tier 1A) (a)	16	64	227	1	75	1	76	20	1	21
Permitted Stationary Sources	4	102	37	4			23			23
Total	**32**	**172**	**269**	**4**	**75**	**1**	**99**	**20**	**1**	**44**

(a) The CalEEMod run for Tier 1B included all trips at Tier 1 buildout, including those associated the Tier 1A Restorative Care Village

Net Daily Operational Emissions (pounds per day)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Regional	4	9	-29	1	34	0	38	9	0	14
Localized	8	20	7	1	N/A	N/A	4	N/A	N/A	4
Regional Threshold	55	55	550	150	N/A	N/A	150	N/A	N/A	55
LST (b)	N/A	194	4119	N/A	N/A	N/A	21	N/A	N/A	7

(b) 5-acre site with a 200-m receptor distance in SRA 7. Receptor distance is based on the distance from the nearest new on-site stationary source (at proposed ambulatory care center) to the nearest off-site receptor (multi-family residences south of Olive View Drive).

Annual Operational Emissions

Existing Annual Operational Emissions (tons per year)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e (MT/yr)	CO2e (MT/yr)
Area	1	0	0	0		0	0		0	0	0	0
Energy	0	0	0	0		0	0		0	0	1174	1178
Mobile	4	17	52	0	9	0	9	2	0	3	11170	11190
Waste						0	0		0	0	81	200
Water						0	0		0	0	363	424
Permitted Stationary Sources	1	15	5	1			3			3	17832	17832
Total	**6**	**32**	**58**	**1**	**9**	**0**	**12**	**2**	**0**	**6**	**30621**	**30825**

Tier 1A (Mental Health Wellness Center, Psych Urgent Care, Residential Treatment, and Recuperative Care)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e (MT/yr)	CO2e (MT/yr)
Area	0	0	0	0		0	0		0	0	0	0
Energy	0	0	0	0		0	0		0	0	942	945
Mobile	0	2	5	0	1	0	1	0	0	0	1497	1499
Waste						0	0		0	0	183	453
Water						0	0		0	0	63	74
Total	**1**	**2**	**5**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**2972**	**2972**

Tier 1B (Ambulatory Care Center, Parking Structure, Administration, Community Center, Material Management, and Central Plant East)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e (MT/yr)	CO2e (MT/yr)
Area	2	0	0	0		0	0		0	0	0	0
Energy	0	1	1	0		0	0		0	0	5306	5325
Mobile	3	14	44	0	15	0	15	4	0	4	15763	15782
Net Mobile (Tier 1B-Tier 1A) (a)	3	12	39	0	13	0	13	4	0	4	14265	14282
Waste						0	0		0	0	703	1742
Water						0	0		0	0	541	635
Permitted Stationary Sources	1	20	7	1			4	4.400219		4	22112	22112
Total	**6**	**33**	**48**	**1**	**13**	**0**	**18**	**8**	**0**	**8**	**42927**	**44096**

(a) The CalEEMod run for Tier 1B included all trips at Tier 1 buildout, including those associated the Tier 1A Restorative Care Village

Net Annual Operational Emissions (tons per year)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e (MT/yr)	CO2e (MT/yr)
Regional	**1**	**2**	**-5**	**0**	**6**	**0**	**7**	**6**	**0**	**3**	**15278**	**16243**

Los Angeles County Department of Public Works
Olive View-UCLA Medical Center Master Plan
ENERGY

Tier 1A (Mental Health Wellness Center, Psych Urgent Care, Residential Treatment, and Recuperative Care)

Construction

1	2	3		4	5	6
C02 (metric tons)	**pounds per ton**	**pounds CO2**	**kg of CO2 per gallon of motor gasoline**	**pounds of CO2 per gallon diesel**	**gallons diesel**	**Btu/gal (gross)**
280.54	2,000	561,070	10.21	22.51	24,926	138,700
		=Col 1* Col 2			=Col 3 / Col 4	
CalEEMod output			Climate Registry 2017	Conversion factor		Oak Ridge National Lab 2019

7
MMBTU
3,457.28
=Col 5*Col6/1 mill

Construction MMBTU	**3,457**

Operation

	1	***2***	***3***	***4***	***5***	***6***
				kWh	**BTU/kWh**	**MMBTU/yr**
Electricity				1,804,684	3,412	6,158
				CalEEMod		=Col 5 * Col 6/1M
					kBTU	**MMBTU/yr**
Natural Gas					4,856,900	4,856.90
					CalEEMod	= Col 5/1,000
	MT/CO2 per year	**pounds/MT**	**pounds of CO2 for 90% gas/10% diesel trips**	**gallons of fuel**	**Btu/gal (gross)**	**MMBTU/yr**
Mobile	1,497.14	2204.6	19.89	165,944	138,700	23,016
	CalEEMod		19.6 lbs CO2/gal gas 22.5 lbs CO2/gal diesel	= Col 1 * Col 2/Col 3		=Col 4 * Col 5/1,000,000

Annual MMBTU	**34,031**

Tier 1B (Ambulatory Care Center, Parking Structure, Administration, Community Center, Material Management, and Central Plant East)

Construction

1	2	3		4	5	6
C02 (metric tons)	**pounds per ton**	**pounds CO2**	**kg of CO2 per gallon of motor gasoline**	**pounds of CO2 per gallon diesel**	**gallons diesel**	**Btu/gal (gross)**
1,378.69	2,000	2,757,390	10.21	22.51	122,501	138,700
		=Col 1* Col 2			=Col 3 / Col 4	
CalEEMod output			Climate Registry 2017	Conversion factor		Oak Ridge National Lab 2019

7
MMBTU
16,990.85
=Col 5*Col6/1 mill

Construction MMBTU	**16,991**

Operation

	1	2	3	4	5	6
				kWh	**BTU/kWh**	**MMBTU/yr**
Electricity				10,923,910	3,412	37,272
				CalEEMod		=Col 5 * Col 6/1M
					kBTU	**MMBTU/yr**
Natural Gas					21,983,307	21,983.31
					CalEEMod	= Col 5/1,000
	MT/CO2 per year	**pounds/MT**	**pounds of CO2 for 90% gas/10% diesel trips**	**gallons of fuel**	**Btu/gal (gross)**	**MMBTU/yr**
Mobile (a)	14,265.36	2204.6	19.89	1,581,184	138,700	219,310
	CalEEMod		19.6 lbs CO2/gal gas	= Col 1 * Col 2/Col 3		=Col 4 * Col 5/1,000,000
			22.5 lbs CO2/gal diesel			
Permitted Sources (b)					**Kbtu**	**MMBTU/yr**
					460,272,750	460,273
					LACDPW 2015	=Col 5/1,000
			Annual MMBTU	**738,839**		

Existing Conditions

Operation

	1	2	3	4	5	6
				kWh	**BTU/kWh**	**MMBTU/yr**
Electricity				2,749,848	3,412	9,382
				CalEEMod		=Col 5 * Col 6/1M
					kBTU	**MMBTU/yr**
Natural Gas					2,514,843	2,514.84
					CalEEMod	= Col 5/1,000
	MT/CO2 per year	**pounds/MT**	**pounds of CO2 for 90% gas/10% diesel trips**	**gallons of fuel**	**Btu/gal (gross)**	**MMBTU/yr**
Mobile	11,170.10	2204.6	19.89	1,238,102	138,700	171,725
	CalEEMod		19.6 lbs CO2/gal gas	= Col 1 * Col 2/Col 3		=Col 4 * Col 5/1,000,000
			22.5 lbs CO2/gal diesel			
Permitted Sources					**Kbtu**	**MMBTU/yr**
					370,755,000	370,755
					LACDPW 2015	=Col 5/1,000
			Annual MMBTU	**554,377**		

Net Operational MMBTU	**218,492**

(a) The CalEEMod run for Tier 1B included all trips at Tier 1 buildout, including those associated the Tier 1A Restorative Care Village. The number in this table reduces the CO2 emissions from Tier 1A mobile sources.

(b) All proposed permitted sources under Tier 1 assumed in Tier 1B. See Permitted Sources sheet.

Sources

Oak Ridge National Laboratory. 2019. Transportation Energy Data Book, Edition 37. Table B.4: Heat Content for Various Fuels.

Climate Registry. 2017. Default Emissions Factors. Table 13.1.1.

LACDPW. 2015. Olive View-UCLA Medical Center Master Plan, Figure 6.49, p. 103. kBtu/sf-yr multiplied by Existing and Tier I square footages. See Emisions from Permitted Sources sheets.

Los Angeles County Department of Public Works

Olive View-UCLA Medical Center Master Plan

Peak Hour Intersection Turning Movement Volumes (2035 Cumulative + Project)

Intersection #	Street 1 (North-South)	Street 2 (East-West)		Direction	AM	PM	AM Total	PM Total	Estimated Daily Vol
				N-S Vol	217	158			
1	Glenoaks	Foothill		E-W Vol	385	317	602	475	5385
				N-S Vol	749	904			
2	Roxford	I-210 WB Ramps		E-W Vol	364	197	1113	1101	11070
				N-S Vol	658	545			
3	Roxford	I-210 EB Ramps		E-W Vol	470	252	1128	797	9625
				N-S Vol	795	609			
4	Roxford	Foothill		E-W Vol	413	248	1208	857	10325
				N-S Vol	742	580			
5	Roxford	Glenoaks		E-W Vol	390	205	1132	785	9585
				N-S Vol	601	434			
6	Roxford	San Fernando		E-W Vol	351	384	952	818	8850
				N-S Vol	654	667			
7	Roxford	Encinitas/I-5 NB		E-W Vol	655	300	1309	967	11380
				N-S Vol	1278	896			
8	Roxford	I-5 SB Ramps		E-W Vol	251	265	1529	1161	13450
				N-S Vol	338	306			
9	Bledsoe	Olive View		E-W Vol	521	188	859	494	6765
				N-S Vol	280	251			
10	Bledsoe	Foothill		E-W Vol	335	262	615	513	5640
				N-S Vol	294	188			
11	Bledsoe	Glenoaks		E-W Vol	596	472	890	660	7750
				N-S Vol	830	595			
12	Polk	I-210 WB Ramps		E-W Vol	553	661	1383	1256	13195
				N-S Vol	1268	871			
13	Polk	I-210 EB Ramps		E-W Vol	309	299	1577	1170	13735
				N-S Vol	758	814			
14	Polk	Foothill		E-W Vol	642	498	1400	1312	13560
								Maximum	**13735**

LOS and V/C				Without Project		With Project		
Intersection #	Street 1 (North-South)	Street 2 (East-West)	Peak Hour	V/C	LOS	V/C	LOS	Change in V/C
			AM	0.283	A	0.301	A	0.018
1	Glenoaks	Foothill	PM	0.197	A	0.217	A	0.02
			AM	0.596	A	0.642	B	0.046
2	Roxford	I-210 WB Ramps	PM	0.539	A	0.634	B	0.095
			AM	0.607	B	0.692	B	0.085
3	Roxford	I-210 EB Ramps	PM	0.419	A	0.459	A	0.04
			AM	0.747	C	0.779	C	0.032
4	Roxford	Foothill	PM	0.508	A	0.523	A	0.015
			AM	0.63	B	0.655	B	0.025
5	Roxford	Glenoaks	PM	0.411	A	0.423	A	0.012
			AM	0.588	A	0.592	A	0.004
6	Roxford	San Fernando	PM	0.487	A	0.495	A	0.008
			AM	0.809	D	0.819	D	0.01
7	Roxford	Encinitas/I-5 NB	PM	0.568	A	0.579	A	0.011
			AM	0.969	E	0.973	E	0.004
8	Roxford	I-5 SB Ramps	PM	0.703	C	0.715	C	0.012
			AM	-	-	-	-	-
9	Bledsoe	Olive View	PM	-	-	-	-	-
			AM	0.292	A	0.31	A	0.018
10	Bledsoe	Foothill	PM	0.22	A	0.242	A	0.022
			AM	0.492	A	0.493	A	0.001
11	Bledsoe	Glenoaks	PM	0.336	A	0.34	A	0.004
			AM	0.807	D	0.822	D	0.015
12	Polk	I-210 WB Ramps	PM	0.729	C	0.737	C	0.008
			AM	0.945	E	0.951	E	0.006
13	Polk	I-210 EB Ramps	PM	0.666	B	0.68	B	0.014
			AM	0.909	E	0.918	E	0.009
14	Polk	Foothill	PM	0.836	D	0.854	D	0.018

Olive View Medical Center - Existing (2016) Operations

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	108.00	1000sqft	2.48	108,000.00	0
General Office Building	16.80	1000sqft	0.39	16,800.00	0
Medical Office Building	11.00	1000sqft	0.25	11,000.00	0
Day-Care Center	9.30	1000sqft	0.21	9,300.00	0
General Light Industry	51.00	1000sqft	1.17	51,000.00	0
Unrefrigerated Warehouse-No Rail	32.50	1000sqft	0.75	32,500.00	0
Unrefrigerated Warehouse-No Rail	61.00	1000sqft	1.40	61,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2016
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	834	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP CO2 intensity revised based on 2016 CO2 intensity identified in 2017 Power Strategic Long-Term Resource Plan (p. C-15).

Land Use - Square footages from project description

Construction Phase - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Grading - Existing operations only. No construction considered for this run.

Trips and VMT - Existing operations only. No construction considered for this run.

On-road Fugitive Dust - Existing operations only. No construction considered for this run.

Architectural Coating - Existing operations only. No construction considered for this run.

Vehicle Trips - According to the Traffic Impact Analysis, there are 6,132 trips daily. All have been apportioned to the Administration (general office) land use. All other trips have been zeroed out.

Vehicle Emission Factors - Defaults used.

Vehicle Emission Factors - Defaults used.

Vehicle Emission Factors - Defaults used.

Road Dust - Defaults used.

Energy Use - Defaults used.

Water And Wastewater - Defaults used.

Solid Waste - Defaults used.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CO2IntensityFactor	1227.89	834
tblVehicleTrips	ST_TR	6.21	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	56.78
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	5.83	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	56.78
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	74.06	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	56.78
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	5.4066	55.9350	31.3347	0.0545	18.2675	3.1640	21.4315	9.9840	2.9109	12.8949	0.0000	5,536.4948	5,536.4948	1.2087	0.0000	5,558.5984
2015	134.8126	37.8657	29.6439	0.0542	1.5081	2.2180	3.7260	0.4068	2.0866	2.4933	0.0000	5,492.6626	5,492.6626	0.8550	0.0000	5,514.0366
Maximum	**134.8126**	**55.9350**	**31.3347**	**0.0545**	**18.2675**	**3.1640**	**21.4315**	**9.9840**	**2.9109**	**12.8949**	**0.0000**	**5,536.4948**	**5,536.4948**	**1.2087**	**0.0000**	**5,558.5984**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	5.4066	55.9350	31.3347	0.0545	18.2675	3.1640	21.4315	9.9840	2.9109	12.8949	0.0000	5,536.4948	5,536.4948	1.2087	0.0000	5,558.5984
2015	134.8126	37.8657	29.6439	0.0542	1.5081	2.2180	3.7260	0.4068	2.0866	2.4933	0.0000	5,492.6626	5,492.6626	0.8550	0.0000	5,514.0366
Maximum	**134.8126**	**55.9350**	**31.3347**	**0.0545**	**18.2675**	**3.1640**	**21.4315**	**9.9840**	**2.9109**	**12.8949**	**0.0000**	**5,536.4948**	**5,536.4948**	**1.2087**	**0.0000**	**5,558.5984**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.4725	2.9000e-004	0.0303	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0634	0.0634	1.8000e-004		0.0679
Energy	0.0743	0.6755	0.5674	4.0500e-003		0.0513	0.0513		0.0513	0.0513		810.5860	810.5860	0.0155	0.0149	815.4029
Mobile	21.9108	90.3015	294.8523	0.6936	48.5746	1.0552	49.6298	13.0078	0.9970	14.0048		70,170.4214	70,170.4214	4.8404		70,291.4308
Total	**28.4577**	**90.9773**	**295.4500**	**0.6977**	**48.5746**	**1.1066**	**49.6812**	**13.0078**	**1.0484**	**14.0562**		**70,981.0707**	**70,981.0707**	**4.8561**	**0.0149**	**71,106.9015**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.4725	2.9000e-004	0.0303	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0634	0.0634	1.8000e-004		0.0679
Energy	0.0743	0.6755	0.5674	4.0500e-003		0.0513	0.0513		0.0513	0.0513		810.5860	810.5860	0.0155	0.0149	815.4029
Mobile	21.9108	90.3015	294.8523	0.6936	48.5746	1.0552	49.6298	13.0078	0.9970	14.0048		70,170.4214	70,170.4214	4.8404		70,291.4308
Total	**28.4577**	**90.9773**	**295.4500**	**0.6977**	**48.5746**	**1.1066**	**49.6812**	**13.0078**	**1.0484**	**14.0562**		**70,981.0707**	**70,981.0707**	**4.8561**	**0.0149**	**71,106.9015**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2014	1/28/2014	5	20	
2	Site Preparation	Site Preparation	1/29/2014	2/11/2014	5	10	
3	Grading	Grading	2/12/2014	3/25/2014	5	20	
4	Building Construction	Building Construction	3/26/2014	5/19/2015	5	230	
5	Paving	Paving	5/20/2015	6/16/2015	5	20	
6	Architectural Coating	Architectural Coating	6/17/2015	7/14/2015	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 434,400; Non-Residential Outdoor: 144,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Olive View Medical Center - Existing (2016) Operations - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	108.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5339	47.9591	23.3048	0.0388		2.5246	2.5246		2.3570	2.3570		4,047.0313	4,047.0313	1.0907		4,074.2982
Total	**4.5339**	**47.9591**	**23.3048**	**0.0388**		**2.5246**	**2.5246**		**2.3570**	**2.3570**		**4,047.0313**	**4,047.0313**	**1.0907**		**4,074.2982**

3.2 Demolition - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1350	0.1077	1.3458	2.0900e-003	0.1677	1.8900e-003	0.1696	0.0445	1.7500e-003	0.0462		206.7599	206.7599	0.0117		207.0530
Total	**0.1350**	**0.1077**	**1.3458**	**2.0900e-003**	**0.1677**	**1.8900e-003**	**0.1696**	**0.0445**	**1.7500e-003**	**0.0462**		**206.7599**	**206.7599**	**0.0117**		**207.0530**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5339	47.9591	23.3048	0.0388		2.5246	2.5246		2.3570	2.3570	0.0000	4,047.0313	4,047.0313	1.0907		4,074.2982
Total	**4.5339**	**47.9591**	**23.3048**	**0.0388**		**2.5246**	**2.5246**		**2.3570**	**2.3570**	**0.0000**	**4,047.0313**	**4,047.0313**	**1.0907**		**4,074.2982**

3.2 Demolition - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1350	0.1077	1.3458	2.0900e-003	0.1677	1.8900e-003	0.1696	0.0445	1.7500e-003	0.0462		206.7599	206.7599	0.0117		207.0530
Total	**0.1350**	**0.1077**	**1.3458**	**2.0900e-003**	**0.1677**	**1.8900e-003**	**0.1696**	**0.0445**	**1.7500e-003**	**0.0462**		**206.7599**	**206.7599**	**0.0117**		**207.0530**

3.3 Site Preparation - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2447	55.8058	23.8676	0.0381		3.1617	3.1617		2.9088	2.9088		4,042.6677	4,042.6677	1.1947		4,072.5340
Total	**5.2447**	**55.8058**	**23.8676**	**0.0381**	**18.0663**	**3.1617**	**21.2280**	**9.9307**	**2.9088**	**12.8395**		**4,042.6677**	**4,042.6677**	**1.1947**		**4,072.5340**

3.3 Site Preparation - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1620	0.1292	1.6150	2.5000e-003	0.2012	2.2700e-003	0.2035	0.0534	2.1000e-003	0.0555		248.1119	248.1119	0.0141		248.4636
Total	**0.1620**	**0.1292**	**1.6150**	**2.5000e-003**	**0.2012**	**2.2700e-003**	**0.2035**	**0.0534**	**2.1000e-003**	**0.0555**		**248.1119**	**248.1119**	**0.0141**		**248.4636**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2447	55.8058	23.8676	0.0381		3.1617	3.1617		2.9088	2.9088	0.0000	4,042.6677	4,042.6677	1.1947		4,072.5340
Total	**5.2447**	**55.8058**	**23.8676**	**0.0381**	**18.0663**	**3.1617**	**21.2280**	**9.9307**	**2.9088**	**12.8395**	**0.0000**	**4,042.6677**	**4,042.6677**	**1.1947**		**4,072.5340**

3.3 Site Preparation - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1620	0.1292	1.6150	2.5000e-003	0.2012	2.2700e-003	0.2035	0.0534	2.1000e-003	0.0555		248.1119	248.1119	0.0141		248.4636
Total	**0.1620**	**0.1292**	**1.6150**	**2.5000e-003**	**0.2012**	**2.2700e-003**	**0.2035**	**0.0534**	**2.1000e-003**	**0.0555**		**248.1119**	**248.1119**	**0.0141**		**248.4636**

3.4 Grading - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.3025	37.1828	17.3114	0.0297		2.0094	2.0094		1.8487	1.8487		3,153.0047	3,153.0047	0.9318		3,176.2984
Total	**3.3025**	**37.1828**	**17.3114**	**0.0297**	**6.5523**	**2.0094**	**8.5618**	**3.3675**	**1.8487**	**5.2162**		**3,153.0047**	**3,153.0047**	**0.9318**		**3,176.2984**

3.4 Grading - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1350	0.1077	1.3458	2.0900e-003	0.1677	1.8900e-003	0.1696	0.0445	1.7500e-003	0.0462		206.7599	206.7599	0.0117		207.0530
Total	**0.1350**	**0.1077**	**1.3458**	**2.0900e-003**	**0.1677**	**1.8900e-003**	**0.1696**	**0.0445**	**1.7500e-003**	**0.0462**		**206.7599**	**206.7599**	**0.0117**		**207.0530**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.3025	37.1828	17.3114	0.0297		2.0094	2.0094		1.8487	1.8487	0.0000	3,153.0047	3,153.0047	0.9318		3,176.2984
Total	**3.3025**	**37.1828**	**17.3114**	**0.0297**	**6.5523**	**2.0094**	**8.5618**	**3.3675**	**1.8487**	**5.2162**	**0.0000**	**3,153.0047**	**3,153.0047**	**0.9318**		**3,176.2984**

3.4 Grading - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1350	0.1077	1.3458	2.0900e-003	0.1677	1.8900e-003	0.1696	0.0445	1.7500e-003	0.0462		206.7599	206.7599	0.0117		207.0530
Total	**0.1350**	**0.1077**	**1.3458**	**2.0900e-003**	**0.1677**	**1.8900e-003**	**0.1696**	**0.0445**	**1.7500e-003**	**0.0462**		**206.7599**	**206.7599**	**0.0117**		**207.0530**

3.5 Building Construction - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8827	31.4296	18.9909	0.0269		2.2360	2.2360		2.1047	2.1047		2,720.7811	2,720.7811	0.6923		2,738.0882
Total	**3.8827**	**31.4296**	**18.9909**	**0.0269**		**2.2360**	**2.2360**		**2.1047**	**2.1047**		**2,720.7811**	**2,720.7811**	**0.6923**		**2,738.0882**

3.5 Building Construction - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3993	7.6270	2.6538	0.0125	0.3009	0.1119	0.4128	0.0866	0.1071	0.1937		1,327.0425	1,327.0425	0.1074		1,329.7283
Worker	0.9719	0.7751	9.6901	0.0150	1.2072	0.0136	1.2208	0.3202	0.0126	0.3328		1,488.6712	1,488.6712	0.0844		1,490.7819
Total	**1.3712**	**8.4020**	**12.3439**	**0.0276**	**1.5081**	**0.1256**	**1.6336**	**0.4068**	**0.1197**	**0.5265**		**2,815.7137**	**2,815.7137**	**0.1919**		**2,820.5102**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8827	31.4296	18.9909	0.0269		2.2360	2.2360		2.1047	2.1047	0.0000	2,720.7811	2,720.7811	0.6923		2,738.0882
Total	**3.8827**	**31.4296**	**18.9909**	**0.0269**		**2.2360**	**2.2360**		**2.1047**	**2.1047**	**0.0000**	**2,720.7811**	**2,720.7811**	**0.6923**		**2,738.0882**

3.5 Building Construction - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3993	7.6270	2.6538	0.0125	0.3009	0.1119	0.4128	0.0866	0.1071	0.1937		1,327.0425	1,327.0425	0.1074		1,329.7283
Worker	0.9719	0.7751	9.6901	0.0150	1.2072	0.0136	1.2208	0.3202	0.0126	0.3328		1,488.6712	1,488.6712	0.0844		1,490.7819
Total	**1.3712**	**8.4020**	**12.3439**	**0.0276**	**1.5081**	**0.1256**	**1.6336**	**0.4068**	**0.1197**	**0.5265**		**2,815.7137**	**2,815.7137**	**0.1919**		**2,820.5102**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6734	30.2005	18.8039	0.0269		2.1245	2.1245		1.9976	1.9976		2,701.0442	2,701.0442	0.6782		2,718.0002
Total	**3.6734**	**30.2005**	**18.8039**	**0.0269**		**2.1245**	**2.1245**		**1.9976**	**1.9976**		**2,701.0442**	**2,701.0442**	**0.6782**		**2,718.0002**

3.5 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3288	6.9844	2.2515	0.0125	0.3009	0.0808	0.3817	0.0866	0.0773	0.1640		1,329.3239	1,329.3239	0.1019		1,331.8725
Worker	0.8660	0.6808	8.5885	0.0147	1.2072	0.0126	1.2198	0.3202	0.0117	0.3318		1,462.2946	1,462.2946	0.0748		1,464.1639
Total	**1.1949**	**7.6652**	**10.8400**	**0.0273**	**1.5081**	**0.0935**	**1.6015**	**0.4068**	**0.0890**	**0.4958**		**2,791.6185**	**2,791.6185**	**0.1767**		**2,796.0364**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6734	30.2005	18.8039	0.0269		2.1245	2.1245		1.9976	1.9976	0.0000	2,701.0442	2,701.0442	0.6782		2,718.0002
Total	**3.6734**	**30.2005**	**18.8039**	**0.0269**		**2.1245**	**2.1245**		**1.9976**	**1.9976**	**0.0000**	**2,701.0442**	**2,701.0442**	**0.6782**		**2,718.0002**

3.5 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3288	6.9844	2.2515	0.0125	0.3009	0.0808	0.3817	0.0866	0.0773	0.1640		1,329.3239	1,329.3239	0.1019		1,331.8725
Worker	0.8660	0.6808	8.5885	0.0147	1.2072	0.0126	1.2198	0.3202	0.0117	0.3318		1,462.2946	1,462.2946	0.0748		1,464.1639
Total	**1.1949**	**7.6652**	**10.8400**	**0.0273**	**1.5081**	**0.0935**	**1.6015**	**0.4068**	**0.0890**	**0.4958**		**2,791.6185**	**2,791.6185**	**0.1767**		**2,796.0364**

3.6 Paving - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3639	25.7121	15.2877	0.0228		1.4415	1.4415		1.3262	1.3262		2,390.7486	2,390.7486	0.7137		2,408.5920
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3639**	**25.7121**	**15.2877**	**0.0228**		**1.4415**	**1.4415**		**1.3262**	**1.3262**		**2,390.7486**	**2,390.7486**	**0.7137**		**2,408.5920**

3.6 Paving - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1203	0.0946	1.1929	2.0500e-003	0.1677	1.7500e-003	0.1694	0.0445	1.6200e-003	0.0461		203.0965	203.0965	0.0104		203.3561
Total	**0.1203**	**0.0946**	**1.1929**	**2.0500e-003**	**0.1677**	**1.7500e-003**	**0.1694**	**0.0445**	**1.6200e-003**	**0.0461**		**203.0965**	**203.0965**	**0.0104**		**203.3561**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3639	25.7121	15.2877	0.0228		1.4415	1.4415		1.3262	1.3262	0.0000	2,390.7486	2,390.7486	0.7137		2,408.5920
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3639**	**25.7121**	**15.2877**	**0.0228**		**1.4415**	**1.4415**		**1.3262**	**1.3262**	**0.0000**	**2,390.7486**	**2,390.7486**	**0.7137**		**2,408.5920**

3.6 Paving - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1203	0.0946	1.1929	2.0500e-003	0.1677	1.7500e-003	0.1694	0.0445	1.6200e-003	0.0461		203.0965	203.0965	0.0104		203.3561
Total	**0.1203**	**0.0946**	**1.1929**	**2.0500e-003**	**0.1677**	**1.7500e-003**	**0.1694**	**0.0445**	**1.6200e-003**	**0.0461**		**203.0965**	**203.0965**	**0.0104**		**203.3561**

3.7 Architectural Coating - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	134.2296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.3643
Total	**134.6362**	**2.5703**	**1.9018**	**2.9700e-003**		**0.2209**	**0.2209**		**0.2209**	**0.2209**		**281.4481**	**281.4481**	**0.0367**		**282.3643**

3.7 Architectural Coating - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1764	0.1387	1.7495	3.0000e-003	0.2459	2.5700e-003	0.2485	0.0652	2.3800e-003	0.0676		297.8748	297.8748	0.0152		298.2556
Total	**0.1764**	**0.1387**	**1.7495**	**3.0000e-003**	**0.2459**	**2.5700e-003**	**0.2485**	**0.0652**	**2.3800e-003**	**0.0676**		**297.8748**	**297.8748**	**0.0152**		**298.2556**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	134.2296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.3643
Total	**134.6362**	**2.5703**	**1.9018**	**2.9700e-003**		**0.2209**	**0.2209**		**0.2209**	**0.2209**	**0.0000**	**281.4481**	**281.4481**	**0.0367**		**282.3643**

3.7 Architectural Coating - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1764	0.1387	1.7495	3.0000e-003	0.2459	2.5700e-003	0.2485	0.0652	2.3800e-003	0.0676		297.8748	297.8748	0.0152		298.2556
Total	**0.1764**	**0.1387**	**1.7495**	**3.0000e-003**	**0.2459**	**2.5700e-003**	**0.2485**	**0.0652**	**2.3800e-003**	**0.0676**		**297.8748**	**297.8748**	**0.0152**		**298.2556**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.9108	90.3015	294.8523	0.6936	48.5746	1.0552	49.6298	13.0078	0.9970	14.0048		70,170.4214	70,170.4214	4.8404		70,291.4308
Unmitigated	21.9108	90.3015	294.8523	0.6936	48.5746	1.0552	49.6298	13.0078	0.9970	14.0048		70,170.4214	70,170.4214	4.8404		70,291.4308

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Day-Care Center	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	6,132.24	6,132.24	6132.24	19,754,772	19,754,772
General Office Building	953.90	953.90	953.90	3,072,965	3,072,965
Medical Office Building	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	7,086.14	7,086.14	7,086.14	22,827,736	22,827,736

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Day-Care Center	16.60	8.40	6.90	12.70	82.30	5.00	28	58	14
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Day-Care Center	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
General Light Industry	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
General Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Medical Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Unrefrigerated Warehouse-No Rail	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Olive View Medical Center - Existing (2016) Operations - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0743	0.6755	0.5674	4.0500e-003		0.0513	0.0513		0.0513	0.0513		810.5860	810.5860	0.0155	0.0149	815.4029
NaturalGas Unmitigated	0.0743	0.6755	0.5674	4.0500e-003		0.0513	0.0513		0.0513	0.0513		810.5860	810.5860	0.0155	0.0149	815.4029

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Day-Care Center	264.986	2.8600e-003	0.0260	0.0218	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.1749	31.1749	6.0000e-004	5.7000e-004	31.3601
General Light Industry	2529.04	0.0273	0.2480	0.2083	1.4900e-003		0.0188	0.0188		0.0188	0.0188		297.5343	297.5343	5.7000e-003	5.4500e-003	299.3023
General Office Building	3080.22	0.0332	0.3020	0.2537	1.8100e-003		0.0230	0.0230		0.0230	0.0230		362.3787	362.3787	6.9500e-003	6.6400e-003	364.5322
General Office Building	479.145	5.1700e-003	0.0470	0.0395	2.8000e-004		3.5700e-003	3.5700e-003		3.5700e-003	3.5700e-003		56.3700	56.3700	1.0800e-003	1.0300e-003	56.7050
Medical Office Building	313.726	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003		36.9089	36.9089	7.1000e-004	6.8000e-004	37.1283
Unrefrigerated Warehouse-No Rail	145.397	1.5700e-003	0.0143	0.0120	9.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		17.1056	17.1056	3.3000e-004	3.1000e-004	17.2072
Unrefrigerated Warehouse-No Rail	77.4658	8.4000e-004	7.5900e-003	6.3800e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1136	9.1136	1.7000e-004	1.7000e-004	9.1678
Total		**0.0743**	**0.6755**	**0.5674**	**4.0600e-003**		**0.0513**	**0.0513**		**0.0513**	**0.0513**		**810.5860**	**810.5860**	**0.0155**	**0.0149**	**815.4029**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Day-Care Center	0.264986	2.8600e-003	0.0260	0.0218	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.1749	31.1749	6.0000e-004	5.7000e-004	31.3601
General Light Industry	2.52904	0.0273	0.2480	0.2083	1.4900e-003		0.0188	0.0188		0.0188	0.0188		297.5343	297.5343	5.7000e-003	5.4500e-003	299.3023
General Office Building	0.479145	5.1700e-003	0.0470	0.0395	2.8000e-004		3.5700e-003	3.5700e-003		3.5700e-003	3.5700e-003		56.3700	56.3700	1.0800e-003	1.0300e-003	56.7050
General Office Building	3.08022	0.0332	0.3020	0.2537	1.8100e-003		0.0230	0.0230		0.0230	0.0230		362.3787	362.3787	6.9500e-003	6.6400e-003	364.5322
Medical Office Building	0.313726	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003		36.9089	36.9089	7.1000e-004	6.8000e-004	37.1283
Unrefrigerated Warehouse-No Rail	0.0774658	8.4000e-004	7.5900e-003	6.3800e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1136	9.1136	1.7000e-004	1.7000e-004	9.1678
Unrefrigerated Warehouse-No Rail	0.145397	1.5700e-003	0.0143	0.0120	9.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		17.1056	17.1056	3.3000e-004	3.1000e-004	17.2072
Total		**0.0743**	**0.6755**	**0.5674**	**4.0600e-003**		**0.0513**	**0.0513**		**0.0513**	**0.0513**		**810.5860**	**810.5860**	**0.0155**	**0.0149**	**815.4029**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.4725	2.9000e-004	0.0303	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0634	0.0634	1.8000e-004		0.0679
Unmitigated	6.4725	2.9000e-004	0.0303	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0634	0.0634	1.8000e-004		0.0679

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.7341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9600e-003	2.9000e-004	0.0303	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0634	0.0634	1.8000e-004		0.0679
Total	**6.4725**	**2.9000e-004**	**0.0303**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0634**	**0.0634**	**1.8000e-004**		**0.0679**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.7341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9600e-003	2.9000e-004	0.0303	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0634	0.0634	1.8000e-004		0.0679
Total	**6.4725**	**2.9000e-004**	**0.0303**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0634**	**0.0634**	**1.8000e-004**		**0.0679**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Olive View Medical Center - Existing (2016) Operations

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	108.00	1000sqft	2.48	108,000.00	0
General Office Building	16.80	1000sqft	0.39	16,800.00	0
Medical Office Building	11.00	1000sqft	0.25	11,000.00	0
Day-Care Center	9.30	1000sqft	0.21	9,300.00	0
General Light Industry	51.00	1000sqft	1.17	51,000.00	0
Unrefrigerated Warehouse-No Rail	32.50	1000sqft	0.75	32,500.00	0
Unrefrigerated Warehouse-No Rail	61.00	1000sqft	1.40	61,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2016
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	834	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP CO2 intensity revised based on 2016 CO2 intensity identified in 2017 Power Strategic Long-Term Resource Plan (p. C-15).

Land Use - Square footages from project description

Construction Phase - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Off-road Equipment - Existing operations only. No construction considered for this run.

Grading - Existing operations only. No construction considered for this run.

Trips and VMT - Existing operations only. No construction considered for this run.

On-road Fugitive Dust - Existing operations only. No construction considered for this run.

Architectural Coating - Existing operations only. No construction considered for this run.

Vehicle Trips - According to the Traffic Impact Analysis, there are 6,132 trips daily. All have been apportioned to the Administration (general office) land use. All other trips have been zeroed out.

Vehicle Emission Factors - Defaults used.

Vehicle Emission Factors - Defaults used.

Vehicle Emission Factors - Defaults used.

Road Dust - Defaults used.

Energy Use - Defaults used.

Water And Wastewater - Defaults used.

Solid Waste - Defaults used.

Olive View Medical Center - Existing (2016) Operations - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CO2IntensityFactor	1227.89	834
tblVehicleTrips	ST_TR	6.21	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	56.78
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	5.83	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	56.78
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	74.06	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	56.78
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.6549	5.3564	3.7700	6.4900e-003	0.3424	0.3087	0.6511	0.1417	0.2895	0.4312	0.0000	601.4401	601.4401	0.1090	0.0000	604.1640
2015	1.6146	2.1737	1.6528	2.9500e-003	0.0773	0.1265	0.2038	0.0209	0.1188	0.1397	0.0000	271.8709	271.8709	0.0454	0.0000	273.0070
Maximum	**1.6146**	**5.3564**	**3.7700**	**6.4900e-003**	**0.3424**	**0.3087**	**0.6511**	**0.1417**	**0.2895**	**0.4312**	**0.0000**	**601.4401**	**601.4401**	**0.1090**	**0.0000**	**604.1640**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.6549	5.3564	3.7700	6.4900e-003	0.3424	0.3087	0.6511	0.1417	0.2895	0.4312	0.0000	601.4397	601.4397	0.1090	0.0000	604.1635
2015	1.6146	2.1737	1.6528	2.9500e-003	0.0773	0.1265	0.2038	0.0209	0.1188	0.1397	0.0000	271.8707	271.8707	0.0454	0.0000	273.0068
Maximum	**1.6146**	**5.3564**	**3.7700**	**6.4900e-003**	**0.3424**	**0.3087**	**0.6511**	**0.1417**	**0.2895**	**0.4312**	**0.0000**	**601.4397**	**601.4397**	**0.1090**	**0.0000**	**604.1635**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2014	3-31-2014	1.5430	1.5430
2	4-1-2014	6-30-2014	1.4653	1.4653
3	7-1-2014	9-30-2014	1.4814	1.4814
4	10-1-2014	12-31-2014	1.4904	1.4904
5	1-1-2015	3-31-2015	1.3809	1.3809
6	4-1-2015	6-30-2015	1.7184	1.7184
7	7-1-2015	9-30-2015	0.6876	0.6876
		Highest	1.7184	1.7184

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1811	4.0000e-005	3.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1900e-003	7.1900e-003	2.0000e-005	0.0000	7.7000e-003
Energy	0.0136	0.1233	0.1036	7.4000e-004		9.3700e-003	9.3700e-003		9.3700e-003	9.3700e-003	0.0000	1,174.4582	1,174.4582	0.0387	9.9400e-003	1,178.3902
Mobile	3.8233	17.3554	52.0646	0.1217	8.6700	0.1924	8.8625	2.3256	0.1818	2.5074	0.0000	11,170.0982	11,170.0982	0.7917	0.0000	11,189.8908
Waste						0.0000	0.0000		0.0000	0.0000	80.8066	0.0000	80.8066	4.7755	0.0000	200.1950
Water						0.0000	0.0000		0.0000	0.0000	18.2027	345.1755	363.3782	1.8816	0.0466	424.3135
Total	**5.0179**	**17.4787**	**52.1719**	**0.1224**	**8.6700**	**0.2018**	**8.8718**	**2.3256**	**0.1912**	**2.5167**	**99.0094**	**12,689.7390**	**12,788.7484**	**7.4876**	**0.0566**	**12,992.7972**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1811	4.0000e-005	3.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1900e-003	7.1900e-003	2.0000e-005	0.0000	7.7000e-003
Energy	0.0136	0.1233	0.1036	7.4000e-004		9.3700e-003	9.3700e-003		9.3700e-003	9.3700e-003	0.0000	1,174.4582	1,174.4582	0.0387	9.9400e-003	1,178.3902
Mobile	3.8233	17.3554	52.0646	0.1217	8.6700	0.1924	8.8625	2.3256	0.1818	2.5074	0.0000	11,170.0982	11,170.0982	0.7917	0.0000	11,189.8908
Waste						0.0000	0.0000		0.0000	0.0000	80.8066	0.0000	80.8066	4.7755	0.0000	200.1950
Water						0.0000	0.0000		0.0000	0.0000	18.2027	345.1755	363.3782	1.8816	0.0466	424.3135
Total	**5.0179**	**17.4787**	**52.1719**	**0.1224**	**8.6700**	**0.2018**	**8.8718**	**2.3256**	**0.1912**	**2.5167**	**99.0094**	**12,689.7390**	**12,788.7484**	**7.4876**	**0.0566**	**12,992.7972**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Olive View Medical Center - Existing (2016) Operations - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2014	1/28/2014	5	20	
2	Site Preparation	Site Preparation	1/29/2014	2/11/2014	5	10	
3	Grading	Grading	2/12/2014	3/25/2014	5	20	
4	Building Construction	Building Construction	3/26/2014	5/19/2015	5	230	
5	Paving	Paving	5/20/2015	6/16/2015	5	20	
6	Architectural Coating	Architectural Coating	6/17/2015	7/14/2015	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 434,400; Non-Residential Outdoor: 144,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Olive View Medical Center - Existing (2016) Operations - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	108.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0453	0.4796	0.2331	3.9000e-004		0.0253	0.0253		0.0236	0.0236	0.0000	36.7141	36.7141	9.8900e-003	0.0000	36.9614
Total	**0.0453**	**0.4796**	**0.2331**	**3.9000e-004**		**0.0253**	**0.0253**		**0.0236**	**0.0236**	**0.0000**	**36.7141**	**36.7141**	**9.8900e-003**	**0.0000**	**36.9614**

3.2 Demolition - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	1.2200e-003	0.0129	2.0000e-005	1.6400e-003	2.0000e-005	1.6600e-003	4.4000e-004	2.0000e-005	4.5000e-004	0.0000	1.7967	1.7967	1.0000e-004	0.0000	1.7992
Total	**1.3600e-003**	**1.2200e-003**	**0.0129**	**2.0000e-005**	**1.6400e-003**	**2.0000e-005**	**1.6600e-003**	**4.4000e-004**	**2.0000e-005**	**4.5000e-004**	**0.0000**	**1.7967**	**1.7967**	**1.0000e-004**	**0.0000**	**1.7992**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0453	0.4796	0.2331	3.9000e-004		0.0253	0.0253		0.0236	0.0236	0.0000	36.7140	36.7140	9.8900e-003	0.0000	36.9614
Total	**0.0453**	**0.4796**	**0.2331**	**3.9000e-004**		**0.0253**	**0.0253**		**0.0236**	**0.0236**	**0.0000**	**36.7140**	**36.7140**	**9.8900e-003**	**0.0000**	**36.9614**

3.2 Demolition - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	1.2200e-003	0.0129	2.0000e-005	1.6400e-003	2.0000e-005	1.6600e-003	4.4000e-004	2.0000e-005	4.5000e-004	0.0000	1.7967	1.7967	1.0000e-004	0.0000	1.7992
Total	**1.3600e-003**	**1.2200e-003**	**0.0129**	**2.0000e-005**	**1.6400e-003**	**2.0000e-005**	**1.6600e-003**	**4.4000e-004**	**2.0000e-005**	**4.5000e-004**	**0.0000**	**1.7967**	**1.7967**	**1.0000e-004**	**0.0000**	**1.7992**

3.3 Site Preparation - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0262	0.2790	0.1193	1.9000e-004		0.0158	0.0158		0.0145	0.0145	0.0000	18.3372	18.3372	5.4200e-003	0.0000	18.4727
Total	**0.0262**	**0.2790**	**0.1193**	**1.9000e-004**	**0.0903**	**0.0158**	**0.1061**	**0.0497**	**0.0145**	**0.0642**	**0.0000**	**18.3372**	**18.3372**	**5.4200e-003**	**0.0000**	**18.4727**

3.3 Site Preparation - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2000e-004	7.3000e-004	7.7200e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.0780	1.0780	6.0000e-005	0.0000	1.0795
Total	**8.2000e-004**	**7.3000e-004**	**7.7200e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**1.0000e-003**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**1.0780**	**1.0780**	**6.0000e-005**	**0.0000**	**1.0795**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0262	0.2790	0.1193	1.9000e-004		0.0158	0.0158		0.0145	0.0145	0.0000	18.3372	18.3372	5.4200e-003	0.0000	18.4727
Total	**0.0262**	**0.2790**	**0.1193**	**1.9000e-004**	**0.0903**	**0.0158**	**0.1061**	**0.0497**	**0.0145**	**0.0642**	**0.0000**	**18.3372**	**18.3372**	**5.4200e-003**	**0.0000**	**18.4727**

3.3 Site Preparation - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2000e-004	7.3000e-004	7.7200e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.0780	1.0780	6.0000e-005	0.0000	1.0795
Total	**8.2000e-004**	**7.3000e-004**	**7.7200e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**1.0000e-003**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**1.0780**	**1.0780**	**6.0000e-005**	**0.0000**	**1.0795**

3.4 Grading - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0495	0.5577	0.2597	4.5000e-004		0.0301	0.0301		0.0277	0.0277	0.0000	42.9054	42.9054	0.0127	0.0000	43.2223
Total	**0.0495**	**0.5577**	**0.2597**	**4.5000e-004**	**0.0983**	**0.0301**	**0.1284**	**0.0505**	**0.0277**	**0.0782**	**0.0000**	**42.9054**	**42.9054**	**0.0127**	**0.0000**	**43.2223**

3.4 Grading - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0400e-003	1.8400e-003	0.0193	3.0000e-005	2.4700e-003	3.0000e-005	2.4900e-003	6.5000e-004	3.0000e-005	6.8000e-004	0.0000	2.6950	2.6950	1.5000e-004	0.0000	2.6989
Total	**2.0400e-003**	**1.8400e-003**	**0.0193**	**3.0000e-005**	**2.4700e-003**	**3.0000e-005**	**2.4900e-003**	**6.5000e-004**	**3.0000e-005**	**6.8000e-004**	**0.0000**	**2.6950**	**2.6950**	**1.5000e-004**	**0.0000**	**2.6989**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0495	0.5577	0.2597	4.5000e-004		0.0301	0.0301		0.0277	0.0277	0.0000	42.9053	42.9053	0.0127	0.0000	43.2223
Total	**0.0495**	**0.5577**	**0.2597**	**4.5000e-004**	**0.0983**	**0.0301**	**0.1284**	**0.0505**	**0.0277**	**0.0782**	**0.0000**	**42.9053**	**42.9053**	**0.0127**	**0.0000**	**43.2223**

3.4 Grading - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0400e-003	1.8400e-003	0.0193	3.0000e-005	2.4700e-003	3.0000e-005	2.4900e-003	6.5000e-004	3.0000e-005	6.8000e-004	0.0000	2.6950	2.6950	1.5000e-004	0.0000	2.6989
Total	**2.0400e-003**	**1.8400e-003**	**0.0193**	**3.0000e-005**	**2.4700e-003**	**3.0000e-005**	**2.4900e-003**	**6.5000e-004**	**3.0000e-005**	**6.8000e-004**	**0.0000**	**2.6950**	**2.6950**	**1.5000e-004**	**0.0000**	**2.6989**

3.5 Building Construction - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3902	3.1587	1.9086	2.7100e-003		0.2247	0.2247		0.2115	0.2115	0.0000	248.0592	248.0592	0.0631	0.0000	249.6372
Total	**0.3902**	**3.1587**	**1.9086**	**2.7100e-003**		**0.2247**	**0.2247**		**0.2115**	**0.2115**	**0.0000**	**248.0592**	**248.0592**	**0.0631**	**0.0000**	**249.6372**

3.5 Building Construction - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0408	0.7890	0.2779	1.2500e-003	0.0298	0.0113	0.0411	8.5900e-003	0.0108	0.0194	0.0000	119.8479	119.8479	0.0101	0.0000	120.0999
Worker	0.0986	0.0886	0.9316	1.4500e-003	0.1189	1.3700e-003	0.1203	0.0316	1.2700e-003	0.0329	0.0000	130.0067	130.0067	7.4500e-003	0.0000	130.1928
Total	**0.1394**	**0.8776**	**1.2095**	**2.7000e-003**	**0.1487**	**0.0127**	**0.1614**	**0.0402**	**0.0121**	**0.0523**	**0.0000**	**249.8546**	**249.8546**	**0.0175**	**0.0000**	**250.2927**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3902	3.1587	1.9086	2.7100e-003		0.2247	0.2247		0.2115	0.2115	0.0000	248.0589	248.0589	0.0631	0.0000	249.6369
Total	**0.3902**	**3.1587**	**1.9086**	**2.7100e-003**		**0.2247**	**0.2247**		**0.2115**	**0.2115**	**0.0000**	**248.0589**	**248.0589**	**0.0631**	**0.0000**	**249.6369**

3.5 Building Construction - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0408	0.7890	0.2779	1.2500e-003	0.0298	0.0113	0.0411	8.5900e-003	0.0108	0.0194	0.0000	119.8479	119.8479	0.0101	0.0000	120.0999
Worker	0.0986	0.0886	0.9316	1.4500e-003	0.1189	1.3700e-003	0.1203	0.0316	1.2700e-003	0.0329	0.0000	130.0067	130.0067	7.4500e-003	0.0000	130.1928
Total	**0.1394**	**0.8776**	**1.2095**	**2.7000e-003**	**0.1487**	**0.0127**	**0.1614**	**0.0402**	**0.0121**	**0.0523**	**0.0000**	**249.8546**	**249.8546**	**0.0175**	**0.0000**	**250.2927**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1818	1.4949	0.9308	1.3300e-003		0.1052	0.1052		0.0989	0.0989	0.0000	121.2921	121.2921	0.0305	0.0000	122.0536
Total	**0.1818**	**1.4949**	**0.9308**	**1.3300e-003**		**0.1052**	**0.1052**		**0.0989**	**0.0989**	**0.0000**	**121.2921**	**121.2921**	**0.0305**	**0.0000**	**122.0536**

3.5 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0166	0.3550	0.1165	6.1000e-004	0.0147	4.0300e-003	0.0187	4.2300e-003	3.8500e-003	8.0800e-003	0.0000	59.0980	59.0980	4.7100e-003	0.0000	59.2158
Worker	0.0432	0.0383	0.4056	7.0000e-004	0.0586	6.2000e-004	0.0592	0.0156	5.8000e-004	0.0161	0.0000	62.8866	62.8866	3.2400e-003	0.0000	62.9677
Total	**0.0598**	**0.3933**	**0.5221**	**1.3100e-003**	**0.0732**	**4.6500e-003**	**0.0779**	**0.0198**	**4.4300e-003**	**0.0242**	**0.0000**	**121.9846**	**121.9846**	**7.9500e-003**	**0.0000**	**122.1835**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1818	1.4949	0.9308	1.3300e-003		0.1052	0.1052		0.0989	0.0989	0.0000	121.2920	121.2920	0.0305	0.0000	122.0534
Total	**0.1818**	**1.4949**	**0.9308**	**1.3300e-003**		**0.1052**	**0.1052**		**0.0989**	**0.0989**	**0.0000**	**121.2920**	**121.2920**	**0.0305**	**0.0000**	**122.0534**

3.5 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0166	0.3550	0.1165	6.1000e-004	0.0147	4.0300e-003	0.0187	4.2300e-003	3.8500e-003	8.0800e-003	0.0000	59.0980	59.0980	4.7100e-003	0.0000	59.2158
Worker	0.0432	0.0383	0.4056	7.0000e-004	0.0586	6.2000e-004	0.0592	0.0156	5.8000e-004	0.0161	0.0000	62.8866	62.8866	3.2400e-003	0.0000	62.9677
Total	**0.0598**	**0.3933**	**0.5221**	**1.3100e-003**	**0.0732**	**4.6500e-003**	**0.0779**	**0.0198**	**4.4300e-003**	**0.0242**	**0.0000**	**121.9846**	**121.9846**	**7.9500e-003**	**0.0000**	**122.1835**

3.6 Paving - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0236	0.2571	0.1529	2.3000e-004		0.0144	0.0144		0.0133	0.0133	0.0000	21.6885	21.6885	6.4700e-003	0.0000	21.8504
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0236**	**0.2571**	**0.1529**	**2.3000e-004**		**0.0144**	**0.0144**		**0.0133**	**0.0133**	**0.0000**	**21.6885**	**21.6885**	**6.4700e-003**	**0.0000**	**21.8504**

3.6 Paving - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	1.0700e-003	0.0114	2.0000e-005	1.6400e-003	2.0000e-005	1.6600e-003	4.4000e-004	2.0000e-005	4.5000e-004	0.0000	1.7645	1.7645	9.0000e-005	0.0000	1.7668
Total	**1.2100e-003**	**1.0700e-003**	**0.0114**	**2.0000e-005**	**1.6400e-003**	**2.0000e-005**	**1.6600e-003**	**4.4000e-004**	**2.0000e-005**	**4.5000e-004**	**0.0000**	**1.7645**	**1.7645**	**9.0000e-005**	**0.0000**	**1.7668**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0236	0.2571	0.1529	2.3000e-004		0.0144	0.0144		0.0133	0.0133	0.0000	21.6885	21.6885	6.4700e-003	0.0000	21.8504
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0236**	**0.2571**	**0.1529**	**2.3000e-004**		**0.0144**	**0.0144**		**0.0133**	**0.0133**	**0.0000**	**21.6885**	**21.6885**	**6.4700e-003**	**0.0000**	**21.8504**

3.6 Paving - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	1.0700e-003	0.0114	2.0000e-005	1.6400e-003	2.0000e-005	1.6600e-003	4.4000e-004	2.0000e-005	4.5000e-004	0.0000	1.7645	1.7645	9.0000e-005	0.0000	1.7668
Total	**1.2100e-003**	**1.0700e-003**	**0.0114**	**2.0000e-005**	**1.6400e-003**	**2.0000e-005**	**1.6600e-003**	**4.4000e-004**	**2.0000e-005**	**4.5000e-004**	**0.0000**	**1.7645**	**1.7645**	**9.0000e-005**	**0.0000**	**1.7668**

3.7 Architectural Coating - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3423					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0700e-003	0.0257	0.0190	3.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	2.5533	2.5533	3.3000e-004	0.0000	2.5616
Total	**1.3464**	**0.0257**	**0.0190**	**3.0000e-005**		**2.2100e-003**	**2.2100e-003**		**2.2100e-003**	**2.2100e-003**	**0.0000**	**2.5533**	**2.5533**	**3.3000e-004**	**0.0000**	**2.5616**

3.7 Architectural Coating - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7800e-003	1.5800e-003	0.0167	3.0000e-005	2.4100e-003	3.0000e-005	2.4400e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.5879	2.5879	1.3000e-004	0.0000	2.5913
Total	**1.7800e-003**	**1.5800e-003**	**0.0167**	**3.0000e-005**	**2.4100e-003**	**3.0000e-005**	**2.4400e-003**	**6.4000e-004**	**2.0000e-005**	**6.6000e-004**	**0.0000**	**2.5879**	**2.5879**	**1.3000e-004**	**0.0000**	**2.5913**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3423					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0700e-003	0.0257	0.0190	3.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	2.5533	2.5533	3.3000e-004	0.0000	2.5616
Total	**1.3464**	**0.0257**	**0.0190**	**3.0000e-005**		**2.2100e-003**	**2.2100e-003**		**2.2100e-003**	**2.2100e-003**	**0.0000**	**2.5533**	**2.5533**	**3.3000e-004**	**0.0000**	**2.5616**

3.7 Architectural Coating - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7800e-003	1.5800e-003	0.0167	3.0000e-005	2.4100e-003	3.0000e-005	2.4400e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.5879	2.5879	1.3000e-004	0.0000	2.5913
Total	**1.7800e-003**	**1.5800e-003**	**0.0167**	**3.0000e-005**	**2.4100e-003**	**3.0000e-005**	**2.4400e-003**	**6.4000e-004**	**2.0000e-005**	**6.6000e-004**	**0.0000**	**2.5879**	**2.5879**	**1.3000e-004**	**0.0000**	**2.5913**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.8233	17.3554	52.0646	0.1217	8.6700	0.1924	8.8625	2.3256	0.1818	2.5074	0.0000	11,170.0982	11,170.0982	0.7917	0.0000	11,189.8908
Unmitigated	3.8233	17.3554	52.0646	0.1217	8.6700	0.1924	8.8625	2.3256	0.1818	2.5074	0.0000	11,170.0982	11,170.0982	0.7917	0.0000	11,189.8908

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Day-Care Center	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	6,132.24	6,132.24	6132.24	19,754,772	19,754,772
General Office Building	953.90	953.90	953.90	3,072,965	3,072,965
Medical Office Building	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	7,086.14	7,086.14	7,086.14	22,827,736	22,827,736

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Day-Care Center	16.60	8.40	6.90	12.70	82.30	5.00	28	58	14
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Day-Care Center	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
General Light Industry	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
General Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Medical Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Unrefrigerated Warehouse-No Rail	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Olive View Medical Center - Existing (2016) Operations - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,040.2566	1,040.2566	0.0362	7.4800e-003	1,043.3911
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,040.2566	1,040.2566	0.0362	7.4800e-003	1,043.3911
NaturalGas Mitigated	0.0136	0.1233	0.1036	7.4000e-004		9.3700e-003	9.3700e-003		9.3700e-003	9.3700e-003	0.0000	134.2016	134.2016	2.5700e-003	2.4600e-003	134.9991
NaturalGas Unmitigated	0.0136	0.1233	0.1036	7.4000e-004		9.3700e-003	9.3700e-003		9.3700e-003	9.3700e-003	0.0000	134.2016	134.2016	2.5700e-003	2.4600e-003	134.9991

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Day-Care Center	96720	5.2000e-004	4.7400e-003	3.9800e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1614	5.1614	1.0000e-004	9.0000e-005	5.1920
General Light Industry	923100	4.9800e-003	0.0453	0.0380	2.7000e-004		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	49.2601	49.2601	9.4000e-004	9.0000e-004	49.5529
General Office Building	1.12428e+006	6.0600e-003	0.0551	0.0463	3.3000e-004		4.1900e-003	4.1900e-003		4.1900e-003	4.1900e-003	0.0000	59.9959	59.9959	1.1500e-003	1.1000e-003	60.3524
General Office Building	174888	9.4000e-004	8.5700e-003	7.2000e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.3327	9.3327	1.8000e-004	1.7000e-004	9.3882
Medical Office Building	114510	6.2000e-004	5.6100e-003	4.7200e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.1107	6.1107	1.2000e-004	1.1000e-004	6.1470
Unrefrigerated Warehouse-No Rail	28275	1.5000e-004	1.3900e-003	1.1600e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5089	1.5089	3.0000e-005	3.0000e-005	1.5178
Unrefrigerated Warehouse-No Rail	53070	2.9000e-004	2.6000e-003	2.1900e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8320	2.8320	5.0000e-005	5.0000e-005	2.8489
Total		**0.0136**	**0.1233**	**0.1036**	**7.4000e-004**		**9.3800e-003**	**9.3800e-003**		**9.3800e-003**	**9.3800e-003**	**0.0000**	**134.2016**	**134.2016**	**2.5700e-003**	**2.4500e-003**	**134.9991**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Day-Care Center	96720	5.2000e-004	4.7400e-003	3.9800e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1614	5.1614	1.0000e-004	9.0000e-005	5.1920
General Light Industry	923100	4.9800e-003	0.0453	0.0380	2.7000e-004		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	49.2601	49.2601	9.4000e-004	9.0000e-004	49.5529
General Office Building	1.12428e+006	6.0600e-003	0.0551	0.0463	3.3000e-004		4.1900e-003	4.1900e-003		4.1900e-003	4.1900e-003	0.0000	59.9959	59.9959	1.1500e-003	1.1000e-003	60.3524
General Office Building	174888	9.4000e-004	8.5700e-003	7.2000e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.3327	9.3327	1.8000e-004	1.7000e-004	9.3882
Medical Office Building	114510	6.2000e-004	5.6100e-003	4.7200e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.1107	6.1107	1.2000e-004	1.1000e-004	6.1470
Unrefrigerated Warehouse-No Rail	28275	1.5000e-004	1.3900e-003	1.1600e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5089	1.5089	3.0000e-005	3.0000e-005	1.5178
Unrefrigerated Warehouse-No Rail	53070	2.9000e-004	2.6000e-003	2.1900e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8320	2.8320	5.0000e-005	5.0000e-005	2.8489
Total		**0.0136**	**0.1233**	**0.1036**	**7.4000e-004**		**9.3800e-003**	**9.3800e-003**		**9.3800e-003**	**9.3800e-003**	**0.0000**	**134.2016**	**134.2016**	**2.5700e-003**	**2.4500e-003**	**134.9991**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Day-Care Center	55056	20.8275	7.2000e-004	1.5000e-004	20.8902
General Light Industry	566100	214.1534	7.4500e-003	1.5400e-003	214.7987
General Office Building	1.40292e+006	530.7191	0.0185	3.8200e-003	532.3182
General Office Building	218232	82.5563	2.8700e-003	5.9000e-004	82.8051
Medical Office Building	142890	54.0547	1.8800e-003	3.9000e-004	54.2176
Unrefrigerated Warehouse-No Rail	126750	47.9490	1.6700e-003	3.4000e-004	48.0935
Unrefrigerated Warehouse-No Rail	237900	89.9966	3.1300e-003	6.5000e-004	90.2678
Total		**1,040.2566**	**0.0362**	**7.4800e-003**	**1,043.3911**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Day-Care Center	55056	20.8275	7.2000e-004	1.5000e-004	20.8902
General Light Industry	566100	214.1534	7.4500e-003	1.5400e-003	214.7987
General Office Building	1.40292e+006	530.7191	0.0185	3.8200e-003	532.3182
General Office Building	218232	82.5563	2.8700e-003	5.9000e-004	82.8051
Medical Office Building	142890	54.0547	1.8800e-003	3.9000e-004	54.2176
Unrefrigerated Warehouse-No Rail	126750	47.9490	1.6700e-003	3.4000e-004	48.0935
Unrefrigerated Warehouse-No Rail	237900	89.9966	3.1300e-003	6.5000e-004	90.2678
Total		**1,040.2566**	**0.0362**	**7.4800e-003**	**1,043.3911**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1811	4.0000e-005	3.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1900e-003	7.1900e-003	2.0000e-005	0.0000	7.7000e-003
Unmitigated	1.1811	4.0000e-005	3.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1900e-003	7.1900e-003	2.0000e-005	0.0000	7.7000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1342					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0465					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.7000e-004	4.0000e-005	3.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1900e-003	7.1900e-003	2.0000e-005	0.0000	7.7000e-003
Total	**1.1811**	**4.0000e-005**	**3.7900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**7.1900e-003**	**7.1900e-003**	**2.0000e-005**	**0.0000**	**7.7000e-003**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1342					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0465					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.7000e-004	4.0000e-005	3.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1900e-003	7.1900e-003	2.0000e-005	0.0000	7.7000e-003
Total	**1.1811**	**4.0000e-005**	**3.7900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**7.1900e-003**	**7.1900e-003**	**2.0000e-005**	**0.0000**	**7.7000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	363.3782	1.8816	0.0466	424.3135
Unmitigated	363.3782	1.8816	0.0466	424.3135

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Day-Care Center	0.398873 / 1.02567	6.4021	0.0132	3.5000e-004	6.8374
General Light Industry	11.7937 / 0	61.8352	0.3863	9.4900e-003	74.3218
General Office Building	22.1812 / 13.5949	173.4346	0.7286	0.0183	197.0910
Medical Office Building	1.38029 / 0.262912	8.3419	0.0453	1.1200e-003	9.8066
Unrefrigerated Warehouse-No Rail	21.6219 / 0	113.3645	0.7083	0.0174	136.2567
Total		**363.3782**	**1.8816**	**0.0466**	**424.3135**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Day-Care Center	0.398873 / 1.02567	6.4021	0.0132	3.5000e-004	6.8374
General Light Industry	11.7937 / 0	61.8352	0.3863	9.4900e-003	74.3218
General Office Building	22.1812 / 13.5949	173.4346	0.7286	0.0183	197.0910
Medical Office Building	1.38029 / 0.262912	8.3419	0.0453	1.1200e-003	9.8066
Unrefrigerated Warehouse-No Rail	21.6219 / 0	113.3645	0.7083	0.0174	136.2567
Total		**363.3782**	**1.8816**	**0.0466**	**424.3135**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	80.8066	4.7755	0.0000	200.1950
Unmitigated	80.8066	4.7755	0.0000	200.1950

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Day-Care Center	12.09	2.4542	0.1450	0.0000	6.0801
General Light Industry	63.24	12.8372	0.7587	0.0000	31.8035
General Office Building	116.06	23.5591	1.3923	0.0000	58.3668
Medical Office Building	118.8	24.1153	1.4252	0.0000	59.7447
Unrefrigerated Warehouse-No Rail	87.89	17.8409	1.0544	0.0000	44.2000
Total		**80.8067**	**4.7755**	**0.0000**	**200.1950**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Day-Care Center	12.09	2.4542	0.1450	0.0000	6.0801
General Light Industry	63.24	12.8372	0.7587	0.0000	31.8035
General Office Building	116.06	23.5591	1.3923	0.0000	58.3668
Medical Office Building	118.8	24.1153	1.4252	0.0000	59.7447
Unrefrigerated Warehouse-No Rail	87.89	17.8409	1.0544	0.0000	44.2000
Total		**80.8067**	**4.7755**	**0.0000**	**200.1950**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Olive View-UCLA Medical Center - Tier 1A (Restorative Care Village)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	16.36	1000sqft	0.38	16,356.00	0
Hospital	47.03	1000sqft	1.08	47,035.00	0
Hospital	10.00	1000sqft	0.23	10,000.00	0
Medical Office Building	10.00	1000sqft	0.23	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	834	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction schedule based on the 9/4/2018 CEO letter to the Board of Supervisors stating that construction would be complete by early 2021. LADWP CO2 intensity revised based on 2016 CO2 intensity identified in 2017 Power Strategic Long-Term Resource Plan (p. C-15).

Land Use - Building square footages from project description. All Restorative Village structures modeled as hospital except for the Mental Health Wellness Center, which would function similar to a medical office building.

Construction Phase - Default construction schedule based on building square footages. All buildings assumed to be under construction concurrently

Off-road Equipment - Default construction equipment.

Off-road Equipment - Default construction equipment.

Off-road Equipment - Default construction equipment.

Off-road Equipment - Default construction equipment.

Off-road Equipment - Default construction equipment.

Off-road Equipment - Default construction equipment.

Grading - Off-site export is estimated to be 200 cy per day during the site prep and excavation phases; no import is assumed.

Demolition - No building demolition is required for the Restorative Village structures.

Trips and VMT - Default number of trips and distances assumed.

On-road Fugitive Dust - Defaults assumed.

Architectural Coating - Defaults assumed.

Vehicle Trips - Daily trips based on March 2019 TIA prepared by Fehr & Peers

Energy Use - Defaults assumed.

Water And Wastewater - Defaults assumed.

Solid Waste - Defaults assumed.

Construction Off-road Equipment Mitigation - Rule 403 compliance

Olive View-UCLA Medical Center - Tier 1A (Restorative Care Village) - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	50
tblGrading	MaterialExported	0.00	200.00
tblGrading	MaterialExported	0.00	200.00
tblLandUse	LandUseSquareFeet	16,360.00	16,356.00
tblLandUse	LandUseSquareFeet	47,030.00	47,035.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	834
tblVehicleTrips	ST_TR	10.18	9.39
tblVehicleTrips	ST_TR	8.96	29.70
tblVehicleTrips	SU_TR	8.91	9.39
tblVehicleTrips	SU_TR	1.55	29.70
tblVehicleTrips	WD_TR	13.22	9.39
tblVehicleTrips	WD_TR	36.13	29.70

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	38.9172	21.9669	15.2265	0.0289	6.1189	1.1537	6.9520	3.0390	1.0773	3.8060	0.0000	2,831.2907	2,831.2907	0.6151	0.0000	2,846.6671
Maximum	**38.9172**	**21.9669**	**15.2265**	**0.0289**	**6.1189**	**1.1537**	**6.9520**	**3.0390**	**1.0773**	**3.8060**	**0.0000**	**2,831.2907**	**2,831.2907**	**0.6151**	**0.0000**	**2,846.6671**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	38.9172	21.9669	15.2265	0.0289	2.4527	1.1537	3.2859	1.2064	1.0773	1.9733	0.0000	2,831.2907	2,831.2907	0.6151	0.0000	2,846.6671
Maximum	**38.9172**	**21.9669**	**15.2265**	**0.0289**	**2.4527**	**1.1537**	**3.2859**	**1.2064**	**1.0773**	**1.9733**	**0.0000**	**2,831.2907**	**2,831.2907**	**0.6151**	**0.0000**	**2,846.6671**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**59.92**	**0.00**	**52.73**	**60.30**	**0.00**	**48.15**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.8637	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0183	0.0183	5.0000e-005		0.0195
Energy	0.1435	1.3046	1.0958	7.8300e-003		0.0992	0.0992		0.0992	0.0992		1,565.4798	1,565.4798	0.0300	0.0287	1,574.7827
Mobile	1.9318	9.1246	26.7459	0.0924	7.3192	0.0761	7.3953	1.9588	0.0710	2.0299		9,397.0937	9,397.0937	0.4870		9,409.2697
Total	**3.9390**	**10.4293**	**27.8503**	**0.1003**	**7.3192**	**0.1753**	**7.4945**	**1.9588**	**0.1702**	**2.1290**		**10,962.5918**	**10,962.5918**	**0.5171**	**0.0287**	**10,984.0718**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.8637	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0183	0.0183	5.0000e-005		0.0195
Energy	0.1435	1.3046	1.0958	7.8300e-003		0.0992	0.0992		0.0992	0.0992		1,565.4798	1,565.4798	0.0300	0.0287	1,574.7827
Mobile	1.9318	9.1246	26.7459	0.0924	7.3192	0.0761	7.3953	1.9588	0.0710	2.0299		9,397.0937	9,397.0937	0.4870		9,409.2697
Total	**3.9390**	**10.4293**	**27.8503**	**0.1003**	**7.3192**	**0.1753**	**7.4945**	**1.9588**	**0.1702**	**2.1290**		**10,962.5918**	**10,962.5918**	**0.5171**	**0.0287**	**10,984.0718**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	1/30/2020	5	2	
3	Grading	Grading	1/31/2020	2/5/2020	5	4	
4	Building Construction	Building Construction	2/6/2020	11/11/2020	5	200	
5	Paving	Paving	11/12/2020	11/25/2020	5	10	
6	Architectural Coating	Architectural Coating	11/26/2020	12/9/2020	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 125,087; Non-Residential Outdoor: 41,696; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Olive View-UCLA Medical Center - Tier 1A (Restorative Care Village) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	25.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	25.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	27.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761		2,322.3127	2,322.3127	0.5970		2,337.2363
Total	**2.1262**	**20.9463**	**14.6573**	**0.0241**		**1.1525**	**1.1525**		**1.0761**	**1.0761**		**2,322.3127**	**2,322.3127**	**0.5970**		**2,337.2363**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0426	0.5692	1.5400e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		152.8947	152.8947	4.8200e-003		153.0152
Total	**0.0598**	**0.0426**	**0.5692**	**1.5400e-003**	**0.1453**	**1.2100e-003**	**0.1465**	**0.0385**	**1.1200e-003**	**0.0397**		**152.8947**	**152.8947**	**4.8200e-003**		**153.0152**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363
Total	**2.1262**	**20.9463**	**14.6573**	**0.0241**		**1.1525**	**1.1525**		**1.0761**	**1.0761**	**0.0000**	**2,322.3127**	**2,322.3127**	**0.5970**		**2,337.2363**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0426	0.5692	1.5400e-003	0.0822	1.2100e-003	0.0834	0.0230	1.1200e-003	0.0242		152.8947	152.8947	4.8200e-003		153.0152
Total	**0.0598**	**0.0426**	**0.5692**	**1.5400e-003**	**0.0822**	**1.2100e-003**	**0.0834**	**0.0230**	**1.1200e-003**	**0.0242**		**152.8947**	**152.8947**	**4.8200e-003**		**153.0152**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8109	0.0000	5.8109	2.9554	0.0000	2.9554			0.0000			0.0000
Off-Road	1.6299	18.3464	7.7093	0.0172		0.8210	0.8210		0.7553	0.7553		1,667.4119	1,667.4119	0.5393		1,680.8937
Total	**1.6299**	**18.3464**	**7.7093**	**0.0172**	**5.8109**	**0.8210**	**6.6318**	**2.9554**	**0.7553**	**3.7107**		**1,667.4119**	**1,667.4119**	**0.5393**		**1,680.8937**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1092	3.5943	0.7965	9.8700e-003	0.2186	0.0115	0.2300	0.0599	0.0110	0.0709		1,069.7898	1,069.7898	0.0728		1,071.6102
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	**0.1460**	**3.6205**	**1.1467**	**0.0108**	**0.3080**	**0.0122**	**0.3202**	**0.0836**	**0.0117**	**0.0953**		**1,163.8788**	**1,163.8788**	**0.0758**		**1,165.7734**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2662	0.0000	2.2662	1.1526	0.0000	1.1526			0.0000			0.0000
Off-Road	1.6299	18.3464	7.7093	0.0172		0.8210	0.8210		0.7553	0.7553	0.0000	1,667.4119	1,667.4119	0.5393		1,680.8937
Total	**1.6299**	**18.3464**	**7.7093**	**0.0172**	**2.2662**	**0.8210**	**3.0872**	**1.1526**	**0.7553**	**1.9079**	**0.0000**	**1,667.4119**	**1,667.4119**	**0.5393**		**1,680.8937**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1092	3.5943	0.7965	9.8700e-003	0.1359	0.0115	0.1474	0.0396	0.0110	0.0506		1,069.7898	1,069.7898	0.0728		1,071.6102
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0506	7.5000e-004	0.0513	0.0142	6.9000e-004	0.0149		94.0890	94.0890	2.9700e-003		94.1632
Total	**0.1460**	**3.6205**	**1.1467**	**0.0108**	**0.1865**	**0.0122**	**0.1987**	**0.0538**	**0.0117**	**0.0655**		**1,163.8788**	**1,163.8788**	**0.0758**		**1,165.7734**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9199	0.0000	4.9199	2.5265	0.0000	2.5265			0.0000			0.0000
Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296		1,365.7183	1,365.7183	0.4417		1,376.7609
Total	**1.3498**	**15.0854**	**6.4543**	**0.0141**	**4.9199**	**0.6844**	**5.6043**	**2.5265**	**0.6296**	**3.1561**		**1,365.7183**	**1,365.7183**	**0.4417**		**1,376.7609**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0546	1.7971	0.3982	4.9400e-003	0.1093	5.7400e-003	0.1150	0.0300	5.4900e-003	0.0354		534.8949	534.8949	0.0364		535.8051
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	**0.0914**	**1.8233**	**0.7485**	**5.8800e-003**	**0.1987**	**6.4900e-003**	**0.2052**	**0.0537**	**6.1800e-003**	**0.0598**		**628.9839**	**628.9839**	**0.0394**		**629.9683**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9188	0.0000	1.9188	0.9853	0.0000	0.9853			0.0000			0.0000
Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296	0.0000	1,365.7183	1,365.7183	0.4417		1,376.7609
Total	**1.3498**	**15.0854**	**6.4543**	**0.0141**	**1.9188**	**0.6844**	**2.6031**	**0.9853**	**0.6296**	**1.6150**	**0.0000**	**1,365.7183**	**1,365.7183**	**0.4417**		**1,376.7609**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0546	1.7971	0.3982	4.9400e-003	0.0680	5.7400e-003	0.0737	0.0198	5.4900e-003	0.0253		534.8949	534.8949	0.0364		535.8051
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0506	7.5000e-004	0.0513	0.0142	6.9000e-004	0.0149		94.0890	94.0890	2.9700e-003		94.1632
Total	**0.0914**	**1.8233**	**0.7485**	**5.8800e-003**	**0.1185**	**6.4900e-003**	**0.1250**	**0.0340**	**6.1800e-003**	**0.0402**		**628.9839**	**628.9839**	**0.0394**		**629.9683**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688		2,001.1595	2,001.1595	0.3715		2,010.4467
Total	**2.0305**	**14.7882**	**13.1881**	**0.0220**		**0.7960**	**0.7960**		**0.7688**	**0.7688**		**2,001.1595**	**2,001.1595**	**0.3715**		**2,010.4467**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0498	1.4892	0.3902	3.6300e-003	0.0896	7.0100e-003	0.0966	0.0258	6.7000e-003	0.0325		387.8346	387.8346	0.0237		388.4263
Worker	0.1243	0.0884	1.1822	3.1900e-003	0.3018	2.5200e-003	0.3043	0.0800	2.3200e-003	0.0824		317.5505	317.5505	0.0100		317.8008
Total	**0.1740**	**1.5776**	**1.5724**	**6.8200e-003**	**0.3914**	**9.5300e-003**	**0.4010**	**0.1059**	**9.0200e-003**	**0.1149**		**705.3851**	**705.3851**	**0.0337**		**706.2270**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688	0.0000	2,001.1595	2,001.1595	0.3715		2,010.4467
Total	**2.0305**	**14.7882**	**13.1881**	**0.0220**		**0.7960**	**0.7960**		**0.7688**	**0.7688**	**0.0000**	**2,001.1595**	**2,001.1595**	**0.3715**		**2,010.4467**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0498	1.4892	0.3902	3.6300e-003	0.0577	7.0100e-003	0.0647	0.0180	6.7000e-003	0.0247		387.8346	387.8346	0.0237		388.4263
Worker	0.1243	0.0884	1.1822	3.1900e-003	0.1706	2.5200e-003	0.1731	0.0478	2.3200e-003	0.0502		317.5505	317.5505	0.0100		317.8008
Total	**0.1740**	**1.5776**	**1.5724**	**6.8200e-003**	**0.2283**	**9.5300e-003**	**0.2378**	**0.0658**	**9.0200e-003**	**0.0748**		**705.3851**	**705.3851**	**0.0337**		**706.2270**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8402	8.4514	8.8758	0.0135		0.4695	0.4695		0.4328	0.4328		1,296.9461	1,296.9461	0.4111		1,307.2246
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8402**	**8.4514**	**8.8758**	**0.0135**		**0.4695**	**0.4695**		**0.4328**	**0.4328**		**1,296.9461**	**1,296.9461**	**0.4111**		**1,307.2246**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0426	0.5692	1.5400e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		152.8947	152.8947	4.8200e-003		153.0152
Total	**0.0598**	**0.0426**	**0.5692**	**1.5400e-003**	**0.1453**	**1.2100e-003**	**0.1465**	**0.0385**	**1.1200e-003**	**0.0397**		**152.8947**	**152.8947**	**4.8200e-003**		**153.0152**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8402	8.4514	8.8758	0.0135		0.4695	0.4695		0.4328	0.4328	0.0000	1,296.9461	1,296.9461	0.4111		1,307.2246
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8402**	**8.4514**	**8.8758**	**0.0135**		**0.4695**	**0.4695**		**0.4328**	**0.4328**	**0.0000**	**1,296.9461**	**1,296.9461**	**0.4111**		**1,307.2246**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0426	0.5692	1.5400e-003	0.0822	1.2100e-003	0.0834	0.0230	1.1200e-003	0.0242		152.8947	152.8947	4.8200e-003		153.0152
Total	**0.0598**	**0.0426**	**0.5692**	**1.5400e-003**	**0.0822**	**1.2100e-003**	**0.0834**	**0.0230**	**1.1200e-003**	**0.0242**		**152.8947**	**152.8947**	**4.8200e-003**		**153.0152**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.6520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**38.8941**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0230	0.0164	0.2189	5.9000e-004	0.0559	4.7000e-004	0.0564	0.0148	4.3000e-004	0.0153		58.8056	58.8056	1.8500e-003		58.8520
Total	**0.0230**	**0.0164**	**0.2189**	**5.9000e-004**	**0.0559**	**4.7000e-004**	**0.0564**	**0.0148**	**4.3000e-004**	**0.0153**		**58.8056**	**58.8056**	**1.8500e-003**		**58.8520**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.6520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**38.8941**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0230	0.0164	0.2189	5.9000e-004	0.0316	4.7000e-004	0.0321	8.8600e-003	4.3000e-004	9.2900e-003		58.8056	58.8056	1.8500e-003		58.8520
Total	**0.0230**	**0.0164**	**0.2189**	**5.9000e-004**	**0.0316**	**4.7000e-004**	**0.0321**	**8.8600e-003**	**4.3000e-004**	**9.2900e-003**		**58.8056**	**58.8056**	**1.8500e-003**		**58.8520**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9318	9.1246	26.7459	0.0924	7.3192	0.0761	7.3953	1.9588	0.0710	2.0299		9,397.0937	9,397.0937	0.4870		9,409.2697
Unmitigated	1.9318	9.1246	26.7459	0.0924	7.3192	0.0761	7.3953	1.9588	0.0710	2.0299		9,397.0937	9,397.0937	0.4870		9,409.2697

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	153.62	153.62	153.62	595,562	595,562
Hospital	441.61	441.61	441.61	1,712,059	1,712,059
Hospital	93.90	93.90	93.90	364,035	364,035
Medical Office Building	297.00	297.00	297.00	770,376	770,376
Total	986.13	986.13	986.13	3,442,032	3,442,032

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1435	1.3046	1.0958	7.8300e-003		0.0992	0.0992		0.0992	0.0992		1,565.4798	1,565.4798	0.0300	0.0287	1,574.7827
NaturalGas Unmitigated	0.1435	1.3046	1.0958	7.8300e-003		0.0992	0.0992		0.0992	0.0992		1,565.4798	1,565.4798	0.0300	0.0287	1,574.7827

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	1774.25	0.0191	0.1740	0.1461	1.0400e-003		0.0132	0.0132		0.0132	0.0132		208.7349	208.7349	4.0000e-003	3.8300e-003	209.9753
Hospital	2901.96	0.0313	0.2845	0.2390	1.7100e-003		0.0216	0.0216		0.0216	0.0216		341.4068	341.4068	6.5400e-003	6.2600e-003	343.4356
Hospital	8345.17	0.0900	0.8182	0.6873	4.9100e-003		0.0622	0.0622		0.0622	0.0622		981.7846	981.7846	0.0188	0.0180	987.6188
Medical Office Building	285.205	3.0800e-003	0.0280	0.0235	1.7000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003		33.5536	33.5536	6.4000e-004	6.2000e-004	33.7530
Total		**0.1435**	**1.3046**	**1.0958**	**7.8300e-003**		**0.0992**	**0.0992**		**0.0992**	**0.0992**		**1,565.4798**	**1,565.4798**	**0.0300**	**0.0287**	**1,574.7827**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	2.90196	0.0313	0.2845	0.2390	1.7100e-003		0.0216	0.0216		0.0216	0.0216		341.4068	341.4068	6.5400e-003	6.2600e-003	343.4356
Hospital	8.34517	0.0900	0.8182	0.6873	4.9100e-003		0.0622	0.0622		0.0622	0.0622		981.7846	981.7846	0.0188	0.0180	987.6188
Hospital	1.77425	0.0191	0.1740	0.1461	1.0400e-003		0.0132	0.0132		0.0132	0.0132		208.7349	208.7349	4.0000e-003	3.8300e-003	209.9753
Medical Office Building	0.285205	3.0800e-003	0.0280	0.0235	1.7000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003		33.5536	33.5536	6.4000e-004	6.2000e-004	33.7530
Total		**0.1435**	**1.3046**	**1.0958**	**7.8300e-003**		**0.0992**	**0.0992**		**0.0992**	**0.0992**		**1,565.4798**	**1,565.4798**	**0.0300**	**0.0287**	**1,574.7827**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8637	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0183	0.0183	5.0000e-005		0.0195
Unmitigated	1.8637	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0183	0.0183	5.0000e-005		0.0195

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6511					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0183	0.0183	5.0000e-005		0.0195
Total	**1.8637**	**8.0000e-005**	**8.5500e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0183**	**0.0183**	**5.0000e-005**		**0.0195**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6511					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0183	0.0183	5.0000e-005		0.0195
Total	**1.8637**	**8.0000e-005**	**8.5500e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0183**	**0.0183**	**5.0000e-005**		**0.0195**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Olive View-UCLA Medical Center - Tier 1A (Restorative Care Village)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	16.36	1000sqft	0.38	16,356.00	0
Hospital	47.03	1000sqft	1.08	47,035.00	0
Hospital	10.00	1000sqft	0.23	10,000.00	0
Medical Office Building	10.00	1000sqft	0.23	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	834	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction schedule based on the 9/4/2018 CEO letter to the Board of Supervisors stating that construction would be complete by early 2021. LADWP CO2 intensity revised based on 2016 CO2 intensity identified in 2017 Power Strategic Long-Term Resource Plan (p. C-15).

Land Use - Building square footages from project description. All Restorative Village structures modeled as hospital except for the Mental Health Wellness Center, which would function similar to a medical office building.

Construction Phase - Default construction schedule based on building square footages. All buildings assumed to be under construction concurrently

Off-road Equipment - Default construction equipment.

Off-road Equipment - Default construction equipment.

Off-road Equipment - Default construction equipment.

Off-road Equipment - Default construction equipment.

Off-road Equipment - Default construction equipment.

Off-road Equipment - Default construction equipment.

Grading - Off-site export is estimated to be 200 cy per day during the site prep and excavation phases; no import is assumed.

Demolition - No building demolition is required for the Restorative Village structures.

Trips and VMT - Default number of trips and distances assumed.

On-road Fugitive Dust - Defaults assumed.

Architectural Coating - Defaults assumed.

Vehicle Trips - Daily trips based on March 2019 TIA prepared by Fehr & Peers

Energy Use - Defaults assumed.

Water And Wastewater - Defaults assumed.

Solid Waste - Defaults assumed.

Construction Off-road Equipment Mitigation - Rule 403 compliance

Olive View-UCLA Medical Center - Tier 1A (Restorative Care Village) - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	50
tblGrading	MaterialExported	0.00	200.00
tblGrading	MaterialExported	0.00	200.00
tblLandUse	LandUseSquareFeet	16,360.00	16,356.00
tblLandUse	LandUseSquareFeet	47,030.00	47,035.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	834
tblVehicleTrips	ST_TR	10.18	9.39
tblVehicleTrips	ST_TR	8.96	29.70
tblVehicleTrips	SU_TR	8.91	9.39
tblVehicleTrips	SU_TR	1.55	29.70
tblVehicleTrips	WD_TR	13.22	9.39
tblVehicleTrips	WD_TR	36.13	29.70

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.4462	1.9576	1.7034	3.2800e-003	0.0572	0.0972	0.1544	0.0192	0.0933	0.1126	0.0000	280.5350	280.5350	0.0457	0.0000	281.6766
Maximum	**0.4462**	**1.9576**	**1.7034**	**3.2800e-003**	**0.0572**	**0.0972**	**0.1544**	**0.0192**	**0.0933**	**0.1126**	**0.0000**	**280.5350**	**280.5350**	**0.0457**	**0.0000**	**281.6766**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.4462	1.9576	1.7034	3.2800e-003	0.0304	0.0972	0.1276	0.0101	0.0933	0.1035	0.0000	280.5348	280.5348	0.0457	0.0000	281.6763
Maximum	**0.4462**	**1.9576**	**1.7034**	**3.2800e-003**	**0.0304**	**0.0972**	**0.1276**	**0.0101**	**0.0933**	**0.1035**	**0.0000**	**280.5348**	**280.5348**	**0.0457**	**0.0000**	**281.6763**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**46.90**	**0.00**	**17.37**	**47.40**	**0.00**	**8.10**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Olive View-UCLA Medical Center - Tier 1A (Restorative Care Village) - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	0.6535	0.6535
2	4-1-2020	6-30-2020	0.6035	0.6035
3	7-1-2020	9-30-2020	0.6102	0.6102
		Highest	0.6535	0.6535

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3401	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0700e-003	2.0700e-003	1.0000e-005	0.0000	2.2100e-003
Energy	0.0262	0.2381	0.2000	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	941.8870	941.8870	0.0287	9.6600e-003	945.4843
Mobile	0.3341	1.7373	4.6836	0.0162	1.3064	0.0139	1.3202	0.3502	0.0129	0.3631	0.0000	1,497.1394	1,497.1394	0.0798	0.0000	1,499.1335
Waste						0.0000	0.0000		0.0000	0.0000	182.8157	0.0000	182.8157	10.8041	0.0000	452.9181
Water						0.0000	0.0000		0.0000	0.0000	3.3197	59.9194	63.2391	0.3431	8.4800e-003	74.3429
Total	**0.7003**	**1.9754**	**4.8847**	**0.0177**	**1.3064**	**0.0320**	**1.3383**	**0.3502**	**0.0310**	**0.3812**	**186.1354**	**2,498.9479**	**2,685.0833**	**11.2556**	**0.0181**	**2,971.8811**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3401	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0700e-003	2.0700e-003	1.0000e-005	0.0000	2.2100e-003
Energy	0.0262	0.2381	0.2000	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	941.8870	941.8870	0.0287	9.6600e-003	945.4843
Mobile	0.3341	1.7373	4.6836	0.0162	1.3064	0.0139	1.3202	0.3502	0.0129	0.3631	0.0000	1,497.1394	1,497.1394	0.0798	0.0000	1,499.1335
Waste						0.0000	0.0000		0.0000	0.0000	182.8157	0.0000	182.8157	10.8041	0.0000	452.9181
Water						0.0000	0.0000		0.0000	0.0000	3.3197	59.9194	63.2391	0.3431	8.4800e-003	74.3429
Total	**0.7003**	**1.9754**	**4.8847**	**0.0177**	**1.3064**	**0.0320**	**1.3383**	**0.3502**	**0.0310**	**0.3812**	**186.1354**	**2,498.9479**	**2,685.0833**	**11.2556**	**0.0181**	**2,971.8811**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Olive View-UCLA Medical Center - Tier 1A (Restorative Care Village) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	1/30/2020	5	2	
3	Grading	Grading	1/31/2020	2/5/2020	5	4	
4	Building Construction	Building Construction	2/6/2020	11/11/2020	5	200	
5	Paving	Paving	11/12/2020	11/25/2020	5	10	
6	Architectural Coating	Architectural Coating	11/26/2020	12/9/2020	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 125,087; Non-Residential Outdoor: 41,696; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Olive View-UCLA Medical Center - Tier 1A (Restorative Care Village) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	25.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	25.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	27.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0213	0.2095	0.1466	2.4000e-004		0.0115	0.0115		0.0108	0.0108	0.0000	21.0677	21.0677	5.4200e-003	0.0000	21.2031
Total	**0.0213**	**0.2095**	**0.1466**	**2.4000e-004**		**0.0115**	**0.0115**		**0.0108**	**0.0108**	**0.0000**	**21.0677**	**21.0677**	**5.4200e-003**	**0.0000**	**21.2031**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.8000e-004	5.3500e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3278	1.3278	4.0000e-005	0.0000	1.3288
Total	**6.0000e-004**	**4.8000e-004**	**5.3500e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4400e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.3278**	**1.3278**	**4.0000e-005**	**0.0000**	**1.3288**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0213	0.2095	0.1466	2.4000e-004		0.0115	0.0115		0.0108	0.0108	0.0000	21.0676	21.0676	5.4200e-003	0.0000	21.2030
Total	**0.0213**	**0.2095**	**0.1466**	**2.4000e-004**		**0.0115**	**0.0115**		**0.0108**	**0.0108**	**0.0000**	**21.0676**	**21.0676**	**5.4200e-003**	**0.0000**	**21.2030**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.8000e-004	5.3500e-003	1.0000e-005	8.1000e-004	1.0000e-005	8.2000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	1.3278	1.3278	4.0000e-005	0.0000	1.3288
Total	**6.0000e-004**	**4.8000e-004**	**5.3500e-003**	**1.0000e-005**	**8.1000e-004**	**1.0000e-005**	**8.2000e-004**	**2.3000e-004**	**1.0000e-005**	**2.4000e-004**	**0.0000**	**1.3278**	**1.3278**	**4.0000e-005**	**0.0000**	**1.3288**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8100e-003	0.0000	5.8100e-003	2.9600e-003	0.0000	2.9600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0184	7.7100e-003	2.0000e-005		8.2000e-004	8.2000e-004		7.6000e-004	7.6000e-004	0.0000	1.5127	1.5127	4.9000e-004	0.0000	1.5249
Total	**1.6300e-003**	**0.0184**	**7.7100e-003**	**2.0000e-005**	**5.8100e-003**	**8.2000e-004**	**6.6300e-003**	**2.9600e-003**	**7.6000e-004**	**3.7200e-003**	**0.0000**	**1.5127**	**1.5127**	**4.9000e-004**	**0.0000**	**1.5249**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.7100e-003	8.2000e-004	1.0000e-005	2.1000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.9635	0.9635	7.0000e-005	0.0000	0.9652
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0817	0.0817	0.0000	0.0000	0.0818
Total	**1.5000e-004**	**3.7400e-003**	**1.1500e-003**	**1.0000e-005**	**3.0000e-004**	**1.0000e-005**	**3.2000e-004**	**8.0000e-005**	**1.0000e-005**	**9.0000e-005**	**0.0000**	**1.0452**	**1.0452**	**7.0000e-005**	**0.0000**	**1.0469**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2700e-003	0.0000	2.2700e-003	1.1500e-003	0.0000	1.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0184	7.7100e-003	2.0000e-005		8.2000e-004	8.2000e-004		7.6000e-004	7.6000e-004	0.0000	1.5127	1.5127	4.9000e-004	0.0000	1.5249
Total	**1.6300e-003**	**0.0184**	**7.7100e-003**	**2.0000e-005**	**2.2700e-003**	**8.2000e-004**	**3.0900e-003**	**1.1500e-003**	**7.6000e-004**	**1.9100e-003**	**0.0000**	**1.5127**	**1.5127**	**4.9000e-004**	**0.0000**	**1.5249**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.7100e-003	8.2000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.9635	0.9635	7.0000e-005	0.0000	0.9652
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0817	0.0817	0.0000	0.0000	0.0818
Total	**1.5000e-004**	**3.7400e-003**	**1.1500e-003**	**1.0000e-005**	**1.8000e-004**	**1.0000e-005**	**2.0000e-004**	**5.0000e-005**	**1.0000e-005**	**6.0000e-005**	**0.0000**	**1.0452**	**1.0452**	**7.0000e-005**	**0.0000**	**1.0469**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8400e-003	0.0000	9.8400e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-003	0.0302	0.0129	3.0000e-005		1.3700e-003	1.3700e-003		1.2600e-003	1.2600e-003	0.0000	2.4779	2.4779	8.0000e-004	0.0000	2.4980
Total	**2.7000e-003**	**0.0302**	**0.0129**	**3.0000e-005**	**9.8400e-003**	**1.3700e-003**	**0.0112**	**5.0500e-003**	**1.2600e-003**	**6.3100e-003**	**0.0000**	**2.4779**	**2.4779**	**8.0000e-004**	**0.0000**	**2.4980**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.7100e-003	8.2000e-004	1.0000e-005	2.1000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.9635	0.9635	7.0000e-005	0.0000	0.9652
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1634	0.1634	1.0000e-005	0.0000	0.1635
Total	**1.8000e-004**	**3.7700e-003**	**1.4800e-003**	**1.0000e-005**	**3.9000e-004**	**1.0000e-005**	**4.1000e-004**	**1.1000e-004**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**1.1269**	**1.1269**	**8.0000e-005**	**0.0000**	**1.1287**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.8400e-003	0.0000	3.8400e-003	1.9700e-003	0.0000	1.9700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-003	0.0302	0.0129	3.0000e-005		1.3700e-003	1.3700e-003		1.2600e-003	1.2600e-003	0.0000	2.4779	2.4779	8.0000e-004	0.0000	2.4980
Total	**2.7000e-003**	**0.0302**	**0.0129**	**3.0000e-005**	**3.8400e-003**	**1.3700e-003**	**5.2100e-003**	**1.9700e-003**	**1.2600e-003**	**3.2300e-003**	**0.0000**	**2.4779**	**2.4779**	**8.0000e-004**	**0.0000**	**2.4980**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.7100e-003	8.2000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.9635	0.9635	7.0000e-005	0.0000	0.9652
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1634	0.1634	1.0000e-005	0.0000	0.1635
Total	**1.8000e-004**	**3.7700e-003**	**1.4800e-003**	**1.0000e-005**	**2.3000e-004**	**1.0000e-005**	**2.5000e-004**	**7.0000e-005**	**1.0000e-005**	**8.0000e-005**	**0.0000**	**1.1269**	**1.1269**	**8.0000e-005**	**0.0000**	**1.1287**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2031	1.4788	1.3188	2.2000e-003		0.0796	0.0796		0.0769	0.0769	0.0000	181.5421	181.5421	0.0337	0.0000	182.3847
Total	**0.2031**	**1.4788**	**1.3188**	**2.2000e-003**		**0.0796**	**0.0796**		**0.0769**	**0.0769**	**0.0000**	**181.5421**	**181.5421**	**0.0337**	**0.0000**	**182.3847**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0800e-003	0.1517	0.0411	3.6000e-004	8.8200e-003	7.1000e-004	9.5200e-003	2.5500e-003	6.7000e-004	3.2200e-003	0.0000	34.7797	34.7797	2.2100e-003	0.0000	34.8349
Worker	0.0125	0.0101	0.1111	3.1000e-004	0.0296	2.5000e-004	0.0298	7.8600e-003	2.3000e-004	8.0900e-003	0.0000	27.5765	27.5765	8.7000e-004	0.0000	27.5982
Total	**0.0175**	**0.1618**	**0.1522**	**6.7000e-004**	**0.0384**	**9.6000e-004**	**0.0394**	**0.0104**	**9.0000e-004**	**0.0113**	**0.0000**	**62.3561**	**62.3561**	**3.0800e-003**	**0.0000**	**62.4331**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2031	1.4788	1.3188	2.2000e-003		0.0796	0.0796		0.0769	0.0769	0.0000	181.5419	181.5419	0.0337	0.0000	182.3844
Total	**0.2031**	**1.4788**	**1.3188**	**2.2000e-003**		**0.0796**	**0.0796**		**0.0769**	**0.0769**	**0.0000**	**181.5419**	**181.5419**	**0.0337**	**0.0000**	**182.3844**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0800e-003	0.1517	0.0411	3.6000e-004	5.7000e-003	7.1000e-004	6.4000e-003	1.7800e-003	6.7000e-004	2.4500e-003	0.0000	34.7797	34.7797	2.2100e-003	0.0000	34.8349
Worker	0.0125	0.0101	0.1111	3.1000e-004	0.0168	2.5000e-004	0.0170	4.7100e-003	2.3000e-004	4.9400e-003	0.0000	27.5765	27.5765	8.7000e-004	0.0000	27.5982
Total	**0.0175**	**0.1618**	**0.1522**	**6.7000e-004**	**0.0225**	**9.6000e-004**	**0.0234**	**6.4900e-003**	**9.0000e-004**	**7.3900e-003**	**0.0000**	**62.3561**	**62.3561**	**3.0800e-003**	**0.0000**	**62.4331**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2000e-003	0.0423	0.0444	7.0000e-005		2.3500e-003	2.3500e-003		2.1600e-003	2.1600e-003	0.0000	5.8829	5.8829	1.8600e-003	0.0000	5.9295
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.2000e-003**	**0.0423**	**0.0444**	**7.0000e-005**		**2.3500e-003**	**2.3500e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**5.8829**	**5.8829**	**1.8600e-003**	**0.0000**	**5.9295**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.4000e-004	2.6800e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6639	0.6639	2.0000e-005	0.0000	0.6644
Total	**3.0000e-004**	**2.4000e-004**	**2.6800e-003**	**1.0000e-005**	**7.1000e-004**	**1.0000e-005**	**7.2000e-004**	**1.9000e-004**	**1.0000e-005**	**1.9000e-004**	**0.0000**	**0.6639**	**0.6639**	**2.0000e-005**	**0.0000**	**0.6644**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2000e-003	0.0423	0.0444	7.0000e-005		2.3500e-003	2.3500e-003		2.1600e-003	2.1600e-003	0.0000	5.8828	5.8828	1.8600e-003	0.0000	5.9295
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.2000e-003**	**0.0423**	**0.0444**	**7.0000e-005**		**2.3500e-003**	**2.3500e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**5.8828**	**5.8828**	**1.8600e-003**	**0.0000**	**5.9295**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.4000e-004	2.6800e-003	1.0000e-005	4.0000e-004	1.0000e-005	4.1000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	0.6639	0.6639	2.0000e-005	0.0000	0.6644
Total	**3.0000e-004**	**2.4000e-004**	**2.6800e-003**	**1.0000e-005**	**4.0000e-004**	**1.0000e-005**	**4.1000e-004**	**1.1000e-004**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**0.6639**	**0.6639**	**2.0000e-005**	**0.0000**	**0.6644**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1933					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
Total	**0.1945**	**8.4200e-003**	**9.1600e-003**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**1.0000e-004**	**0.0000**	**1.2791**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	9.0000e-005	1.0300e-003	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2555
Total	**1.2000e-004**	**9.0000e-005**	**1.0300e-003**	**0.0000**	**2.7000e-004**	**0.0000**	**2.8000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2555**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1933					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
Total	**0.1945**	**8.4200e-003**	**9.1600e-003**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**1.0000e-004**	**0.0000**	**1.2791**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	9.0000e-005	1.0300e-003	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2555
Total	**1.2000e-004**	**9.0000e-005**	**1.0300e-003**	**0.0000**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2555**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3341	1.7373	4.6836	0.0162	1.3064	0.0139	1.3202	0.3502	0.0129	0.3631	0.0000	1,497.1394	1,497.1394	0.0798	0.0000	1,499.1335
Unmitigated	0.3341	1.7373	4.6836	0.0162	1.3064	0.0139	1.3202	0.3502	0.0129	0.3631	0.0000	1,497.1394	1,497.1394	0.0798	0.0000	1,499.1335

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	153.62	153.62	153.62	595,562	595,562
Hospital	441.61	441.61	441.61	1,712,059	1,712,059
Hospital	93.90	93.90	93.90	364,035	364,035
Medical Office Building	297.00	297.00	297.00	770,376	770,376
Total	986.13	986.13	986.13	3,442,032	3,442,032

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	682.7043	682.7043	0.0237	4.9100e-003	684.7614
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	682.7043	682.7043	0.0237	4.9100e-003	684.7614
NaturalGas Mitigated	0.0262	0.2381	0.2000	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	259.1827	259.1827	4.9700e-003	4.7500e-003	260.7229
NaturalGas Unmitigated	0.0262	0.2381	0.2000	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	259.1827	259.1827	4.9700e-003	4.7500e-003	260.7229

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	1.05921e+006	5.7100e-003	0.0519	0.0436	3.1000e-004		3.9500e-003	3.9500e-003		3.9500e-003	3.9500e-003	0.0000	56.5237	56.5237	1.0800e-003	1.0400e-003	56.8596
Hospital	3.04599e+006	0.0164	0.1493	0.1254	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.5454	162.5454	3.1200e-003	2.9800e-003	163.5114
Hospital	647600	3.4900e-003	0.0318	0.0267	1.9000e-004		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	34.5584	34.5584	6.6000e-004	6.3000e-004	34.7638
Medical Office Building	104100	5.6000e-004	5.1000e-003	4.2900e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	5.5552	5.5552	1.1000e-004	1.0000e-004	5.5882
Total		**0.0262**	**0.2381**	**0.2000**	**1.4300e-003**		**0.0181**	**0.0181**		**0.0181**	**0.0181**	**0.0000**	**259.1827**	**259.1827**	**4.9700e-003**	**4.7500e-003**	**260.7229**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	3.04599e+006	0.0164	0.1493	0.1254	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.5454	162.5454	3.1200e-003	2.9800e-003	163.5114
Hospital	647600	3.4900e-003	0.0318	0.0267	1.9000e-004		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	34.5584	34.5584	6.6000e-004	6.3000e-004	34.7638
Hospital	1.05921e+006	5.7100e-003	0.0519	0.0436	3.1000e-004		3.9500e-003	3.9500e-003		3.9500e-003	3.9500e-003	0.0000	56.5237	56.5237	1.0800e-003	1.0400e-003	56.8596
Medical Office Building	104100	5.6000e-004	5.1000e-003	4.2900e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	5.5552	5.5552	1.1000e-004	1.0000e-004	5.5882
Total		**0.0262**	**0.2381**	**0.2000**	**1.4300e-003**		**0.0181**	**0.0181**		**0.0181**	**0.0181**	**0.0000**	**259.1827**	**259.1827**	**4.9700e-003**	**4.7500e-003**	**260.7229**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	1.07334e+006	406.0398	0.0141	2.9200e-003	407.2633
Hospital	228200	86.3272	3.0000e-003	6.2000e-004	86.5873
Hospital	373244	141.1967	4.9100e-003	1.0200e-003	141.6222
Medical Office Building	129900	49.1407	1.7100e-003	3.5000e-004	49.2887
Total		**682.7043**	**0.0237**	**4.9100e-003**	**684.7614**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	1.07334e+006	406.0398	0.0141	2.9200e-003	407.2633
Hospital	228200	86.3272	3.0000e-003	6.2000e-004	86.5873
Hospital	373244	141.1967	4.9100e-003	1.0200e-003	141.6222
Medical Office Building	129900	49.1407	1.7100e-003	3.5000e-004	49.2887
Total		**682.7043**	**0.0237**	**4.9100e-003**	**684.7614**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3401	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0700e-003	2.0700e-003	1.0000e-005	0.0000	2.2100e-003
Unmitigated	0.3401	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0700e-003	2.0700e-003	1.0000e-005	0.0000	2.2100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0387					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3013					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0700e-003	2.0700e-003	1.0000e-005	0.0000	2.2100e-003
Total	**0.3401**	**1.0000e-005**	**1.0700e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0700e-003**	**2.0700e-003**	**1.0000e-005**	**0.0000**	**2.2100e-003**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0387					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3013					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0700e-003	2.0700e-003	1.0000e-005	0.0000	2.2100e-003
Total	**0.3401**	**1.0000e-005**	**1.0700e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0700e-003**	**2.0700e-003**	**1.0000e-005**	**0.0000**	**2.2100e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	63.2391	0.3431	8.4800e-003	74.3429
Unmitigated	63.2391	0.3431	8.4800e-003	74.3429

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	9.20902 / 1.7541	55.6556	0.3019	7.4600e-003	65.4278
Medical Office Building	1.25481 / 0.239011	7.5835	0.0411	1.0200e-003	8.9151
Total		**63.2391**	**0.3431**	**8.4800e-003**	**74.3429**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	9.20902 / 1.7541	55.6556	0.3019	7.4600e-003	65.4278
Medical Office Building	1.25481 / 0.239011	7.5835	0.0411	1.0200e-003	8.9151
Total		**63.2391**	**0.3431**	**8.4800e-003**	**74.3429**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	182.8157	10.8041	0.0000	452.9181
Unmitigated	182.8157	10.8041	0.0000	452.9181

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	792.61	160.8927	9.5085	0.0000	398.6048
Medical Office Building	108	21.9230	1.2956	0.0000	54.3134
Total		**182.8157**	**10.8041**	**0.0000**	**452.9181**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	792.61	160.8927	9.5085	0.0000	398.6048
Medical Office Building	108	21.9230	1.2956	0.0000	54.3134
Total		**182.8157**	**10.8041**	**0.0000**	**452.9181**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Olive View-UCLA Medical Center - Tier 1B

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	96.00	1000sqft	0.67	96,000.00	0
Hospital	296.00	1000sqft	1.40	296,000.00	0
Library	20.00	1000sqft	0.55	20,000.00	0
General Light Industry	77.00	1000sqft	0.78	77,000.00	0
Unrefrigerated Warehouse-No Rail	68.10	1000sqft	0.56	68,100.00	0
Enclosed Parking with Elevator	674.00	Space	1.06	269,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	834	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP CO2 intensity revised based on 2016 CO2 intensity identified in 2017 Power Strategic Long-Term Resource Plan (p. C-15).

Land Use - Building square footages from project description.

Construction Phase - Default construction schedule based on building square footages. All buildings assumed to be under construction concurrently.

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Grading - Off-site export and import estimates provided by SmithGroupJJR. Import/export quantities assumed to be distributed evenly over site prep and grading phases.

Demolition - Demolition square footage provided by SmithGroupJJR

Trips and VMT - Default number of trips and distances assumed.

On-road Fugitive Dust - Defaults assumed.

Architectural Coating - VOC content of architectural coatings changed to 25 g/L to exceed SCAQMD Rule 1113 requirements.

Vehicle Trips - Daily operational trips based on March 2019 TIA prepared by Fehr & Peers, which would total 9,973 trips per day. All trips included in the Hospital land use, including internal capture, transit/walk/bike credit, and carpool accounted for.

Vehicle Emission Factors - Defaults assumed.

Vehicle Emission Factors - Defaults assumed.

Vehicle Emission Factors - Defaults assumed.

Road Dust - Defaults assumed.

Area Coating - VOC content of architectural coatings changed to 50 g/L to meet SCAQMD Rule 1113 requirements

Energy Use - Defaults assumed.

Water And Wastewater - Defaults assumed.

Solid Waste - Defaults assumed.

Construction Off-road Equipment Mitigation - Rule 403 compliance

Olive View-UCLA Medical Center - Tier 1B - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintParkingValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	50	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	50
tblGrading	AcresOfGrading	10.00	5.00
tblGrading	AcresOfGrading	0.00	5.00
tblGrading	MaterialExported	0.00	22,833.00
tblGrading	MaterialExported	0.00	11,417.00
tblGrading	MaterialImported	0.00	11,667.00
tblGrading	MaterialImported	0.00	5,833.00
tblLandUse	LotAcreage	2.20	0.67
tblLandUse	LotAcreage	6.80	1.40
tblLandUse	LotAcreage	0.46	0.55
tblLandUse	LotAcreage	1.77	0.78
tblLandUse	LotAcreage	1.56	0.56
tblLandUse	LotAcreage	6.07	1.06
tblProjectCharacteristics	CO2IntensityFactor	1227.89	834
tblTripsAndVMT	HaulingTripNumber	4,313.00	4,312.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	33.69

tblVehicleTrips	ST_TR	46.55	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	33.69
tblVehicleTrips	SU_TR	25.49	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	33.69
tblVehicleTrips	WD_TR	56.24	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.7630	98.3834	35.4395	0.2083	22.7626	2.2236	24.9862	11.1042	2.0522	13.1565	0.0000	22,140.0170	22,140.0170	2.4365	0.0000	22,200.9301
2022	131.4358	28.8999	31.0508	0.0953	4.3070	0.8594	5.1664	1.1619	0.8084	1.9703	0.0000	9,616.9270	9,616.9270	0.9165	0.0000	9,639.8381
Maximum	**131.4358**	**98.3834**	**35.4395**	**0.2083**	**22.7626**	**2.2236**	**24.9862**	**11.1042**	**2.0522**	**13.1565**	**0.0000**	**22,140.0170**	**22,140.0170**	**2.4365**	**0.0000**	**22,200.9301**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.7630	98.3834	35.4395	0.2083	9.7871	2.2236	12.0107	4.6223	2.0522	6.6745	0.0000	22,140.0170	22,140.0170	2.4365	0.0000	22,200.9301
2022	131.4358	28.8999	31.0508	0.0953	2.5026	0.8594	3.3620	0.7190	0.8084	1.5274	0.0000	9,616.9270	9,616.9270	0.9165	0.0000	9,639.8381
Maximum	**131.4358**	**98.3834**	**35.4395**	**0.2083**	**9.7871**	**2.2236**	**12.0107**	**4.6223**	**2.0522**	**6.6745**	**0.0000**	**22,140.0170**	**22,140.0170**	**2.4365**	**0.0000**	**22,200.9301**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.60**	**0.00**	**49.02**	**56.46**	**0.00**	**45.78**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.8657	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871
Energy	0.6495	5.9047	4.9600	0.0354		0.4488	0.4488		0.4488	0.4488		7,085.6622	7,085.6622	0.1358	0.1299	7,127.7688
Mobile	17.4418	73.0423	253.6076	0.9711	82.2093	0.7056	82.9150	21.9997	0.6564	22.6560		98,883.0293	98,883.0293	4.6583		98,999.4879
Total	**29.9570**	**78.9482**	**258.6932**	**1.0066**	**82.2093**	**1.1549**	**83.3642**	**21.9997**	**1.1056**	**23.1053**		**105,968.9610**	**105,968.9610**	**4.7949**	**0.1299**	**106,127.5437**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.8657	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871
Energy	0.6495	5.9047	4.9600	0.0354		0.4488	0.4488		0.4488	0.4488		7,085.6622	7,085.6622	0.1358	0.1299	7,127.7688
Mobile	17.4418	73.0423	253.6076	0.9711	82.2093	0.7056	82.9150	21.9997	0.6564	22.6560		98,883.0293	98,883.0293	4.6583		98,999.4879
Total	**29.9570**	**78.9482**	**258.6932**	**1.0066**	**82.2093**	**1.1549**	**83.3642**	**21.9997**	**1.1056**	**23.1053**		**105,968.9610**	**105,968.9610**	**4.7949**	**0.1299**	**106,127.5437**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	1/28/2021	5	20	
2	Site Preparation	Site Preparation	1/29/2021	2/11/2021	5	10	
3	Grading	Grading	2/12/2021	3/11/2021	5	20	
4	Building Construction	Building Construction	3/12/2021	1/27/2022	5	230	
5	Paving	Paving	1/28/2022	2/24/2022	5	20	
6	Architectural Coating	Architectural Coating	2/25/2022	3/24/2022	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.06

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 835,650; Non-Residential Outdoor: 278,550; Striped Parking Area: 16,176 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	618.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	2,156.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	4,312.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	308.00	135.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	62.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6838	0.0000	6.6838	1.0120	0.0000	1.0120			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**6.6838**	**1.5513**	**8.2351**	**1.0120**	**1.4411**	**2.4531**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2576	8.2887	1.9435	0.0241	0.5403	0.0254	0.5657	0.1481	0.0243	0.1725		2,615.5190	2,615.5190	0.1775		2,619.9564
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.3219**	**8.3329**	**2.5476**	**0.0258**	**0.7080**	**0.0268**	**0.7348**	**0.1926**	**0.0256**	**0.2182**		**2,786.3345**	**2,786.3345**	**0.1825**		**2,790.8977**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6067	0.0000	2.6067	0.3947	0.0000	0.3947			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**2.6067**	**1.5513**	**4.1580**	**0.3947**	**1.4411**	**1.8358**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2576	8.2887	1.9435	0.0241	0.3360	0.0254	0.3615	0.0980	0.0243	0.1223		2,615.5190	2,615.5190	0.1775		2,619.9564
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.0948	1.3500e-003	0.0961	0.0266	1.2500e-003	0.0278		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.3219**	**8.3329**	**2.5476**	**0.0258**	**0.4308**	**0.0268**	**0.4576**	**0.1246**	**0.0256**	**0.1501**		**2,786.3345**	**2,786.3345**	**0.1825**		**2,790.8977**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.7916	0.0000	18.7916	10.0175	0.0000	10.0175			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.7916**	**2.0445**	**20.8361**	**10.0175**	**1.8809**	**11.8984**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7977	57.8333	13.5603	0.1682	3.7699	0.1775	3.9474	1.0334	0.1698	1.2032		18,249.3816	18,249.3816	1.2385		18,280.3433
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	**1.8748**	**57.8863**	**14.2852**	**0.1703**	**3.9711**	**0.1791**	**4.1502**	**1.0867**	**0.1713**	**1.2581**		**18,454.3602**	**18,454.3602**	**1.2445**		**18,485.4729**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3287	0.0000	7.3287	3.9068	0.0000	3.9068			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**7.3287**	**2.0445**	**9.3732**	**3.9068**	**1.8809**	**5.7877**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7977	57.8333	13.5603	0.1682	2.3446	0.1775	2.5221	0.6836	0.1698	0.8534		18,249.3816	18,249.3816	1.2385		18,280.3433
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.1137	1.6300e-003	0.1154	0.0319	1.5000e-003	0.0334		204.9786	204.9786	6.0400e-003		205.1296
Total	**1.8748**	**57.8863**	**14.2852**	**0.1703**	**2.4584**	**0.1791**	**2.6375**	**0.7154**	**0.1713**	**0.8868**		**18,454.3602**	**18,454.3602**	**1.2445**		**18,485.4729**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4823	0.0000	6.4823	3.3684	0.0000	3.3684			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.4823**	**1.1599**	**7.6422**	**3.3684**	**1.0671**	**4.4355**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7977	57.8333	13.5603	0.1682	3.7699	0.1775	3.9474	1.0334	0.1698	1.2032		18,249.3816	18,249.3816	1.2385		18,280.3433
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**1.8620**	**57.8775**	**14.1644**	**0.1699**	**3.9375**	**0.1789**	**4.1164**	**1.0779**	**0.1711**	**1.2489**		**18,420.1971**	**18,420.1971**	**1.2435**		**18,451.2846**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5281	0.0000	2.5281	1.3137	0.0000	1.3137			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**2.5281**	**1.1599**	**3.6880**	**1.3137**	**1.0671**	**2.3808**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7977	57.8333	13.5603	0.1682	2.3446	0.1775	2.5221	0.6836	0.1698	0.8534		18,249.3816	18,249.3816	1.2385		18,280.3433
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.0948	1.3500e-003	0.0961	0.0266	1.2500e-003	0.0278		170.8155	170.8155	5.0300e-003		170.9413
Total	**1.8620**	**57.8775**	**14.1644**	**0.1699**	**2.4394**	**0.1789**	**2.6183**	**0.7101**	**0.1711**	**0.8812**		**18,420.1971**	**18,420.1971**	**1.2435**		**18,451.2846**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4104	13.1071	3.4265	0.0347	0.8643	0.0268	0.8911	0.2488	0.0256	0.2745		3,710.8885	3,710.8885	0.2186		3,716.3540
Worker	1.3203	0.9075	12.4054	0.0352	3.4427	0.0278	3.4705	0.9130	0.0256	0.9387		3,507.4112	3,507.4112	0.1034		3,509.9948
Total	**1.7306**	**14.0146**	**15.8320**	**0.0699**	**4.3070**	**0.0546**	**4.3616**	**1.1619**	**0.0513**	**1.2131**		**7,218.2997**	**7,218.2997**	**0.3220**		**7,226.3488**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4104	13.1071	3.4265	0.0347	0.5564	0.0268	0.5832	0.1733	0.0256	0.1989		3,710.8885	3,710.8885	0.2186		3,716.3540
Worker	1.3203	0.9075	12.4054	0.0352	1.9462	0.0278	1.9740	0.5457	0.0256	0.5713		3,507.4112	3,507.4112	0.1034		3,509.9948
Total	**1.7306**	**14.0146**	**15.8320**	**0.0699**	**2.5026**	**0.0546**	**2.5572**	**0.7190**	**0.0513**	**0.7702**		**7,218.2997**	**7,218.2997**	**0.3220**		**7,226.3488**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3851	12.4646	3.2420	0.0344	0.8643	0.0234	0.8877	0.2489	0.0224	0.2713		3,678.5595	3,678.5595	0.2111		3,683.8370
Worker	1.2367	0.8197	11.4454	0.0340	3.4427	0.0270	3.4697	0.9130	0.0248	0.9379		3,384.0339	3,384.0339	0.0934		3,386.3690
Total	**1.6218**	**13.2843**	**14.6874**	**0.0683**	**4.3070**	**0.0504**	**4.3574**	**1.1619**	**0.0472**	**1.2091**		**7,062.5934**	**7,062.5934**	**0.3045**		**7,070.2059**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3851	12.4646	3.2420	0.0344	0.5564	0.0234	0.5799	0.1733	0.0224	0.1957		3,678.5595	3,678.5595	0.2111		3,683.8370
Worker	1.2367	0.8197	11.4454	0.0340	1.9462	0.0270	1.9732	0.5457	0.0248	0.5705		3,384.0339	3,384.0339	0.0934		3,386.3690
Total	**1.6218**	**13.2843**	**14.6874**	**0.0683**	**2.5026**	**0.0504**	**2.5530**	**0.7190**	**0.0472**	**0.7662**		**7,062.5934**	**7,062.5934**	**0.3045**		**7,070.2059**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.0602**	**0.0399**	**0.5574**	**1.6500e-003**	**0.1677**	**1.3100e-003**	**0.1690**	**0.0445**	**1.2100e-003**	**0.0457**		**164.8069**	**164.8069**	**4.5500e-003**		**164.9206**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.0948	1.3100e-003	0.0961	0.0266	1.2100e-003	0.0278		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.0602**	**0.0399**	**0.5574**	**1.6500e-003**	**0.0948**	**1.3100e-003**	**0.0961**	**0.0266**	**1.2100e-003**	**0.0278**		**164.8069**	**164.8069**	**4.5500e-003**		**164.9206**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	130.9823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**131.1869**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2489	0.1650	2.3039	6.8400e-003	0.6930	5.4200e-003	0.6984	0.1838	5.0000e-003	0.1888		681.2016	681.2016	0.0188		681.6717
Total	**0.2489**	**0.1650**	**2.3039**	**6.8400e-003**	**0.6930**	**5.4200e-003**	**0.6984**	**0.1838**	**5.0000e-003**	**0.1888**		**681.2016**	**681.2016**	**0.0188**		**681.6717**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	130.9823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**131.1869**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2489	0.1650	2.3039	6.8400e-003	0.3918	5.4200e-003	0.3972	0.1099	5.0000e-003	0.1149		681.2016	681.2016	0.0188		681.6717
Total	**0.2489**	**0.1650**	**2.3039**	**6.8400e-003**	**0.3918**	**5.4200e-003**	**0.3972**	**0.1099**	**5.0000e-003**	**0.1149**		**681.2016**	**681.2016**	**0.0188**		**681.6717**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.4418	73.0423	253.6076	0.9711	82.2093	0.7056	82.9150	21.9997	0.6564	22.6560		98,883.0293	98,883.0293	4.6583		98,999.4879
Unmitigated	17.4418	73.0423	253.6076	0.9711	82.2093	0.7056	82.9150	21.9997	0.6564	22.6560		98,883.0293	98,883.0293	4.6583		98,999.4879

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	9,972.24	9,972.24	9972.24	38,660,796	38,660,796
Library	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	9,972.24	9,972.24	9,972.24	38,660,796	38,660,796

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Light Industry	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Hospital	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Library	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Unrefrigerated Warehouse-No Rail	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Olive View-UCLA Medical Center - Tier 1B - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.6495	5.9047	4.9600	0.0354		0.4488	0.4488		0.4488	0.4488		7,085.6622	7,085.6622	0.1358	0.1299	7,127.7688
NaturalGas Unmitigated	0.6495	5.9047	4.9600	0.0354		0.4488	0.4488		0.4488	0.4488		7,085.6622	7,085.6622	0.1358	0.1299	7,127.7688

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	3818.36	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.2184	449.2184	8.6100e-003	8.2400e-003	451.8879
General Office Building	2737.97	0.0295	0.2684	0.2255	1.6100e-003		0.0204	0.0204		0.0204	0.0204		322.1144	322.1144	6.1700e-003	5.9100e-003	324.0286
Hospital	52517.7	0.5664	5.1488	4.3250	0.0309		0.3913	0.3913		0.3913	0.3913		6,178.5528	6,178.5528	0.1184	0.1133	6,215.2688
Library	991.781	0.0107	0.0972	0.0817	5.8000e-004		7.3900e-003	7.3900e-003		7.3900e-003	7.3900e-003		116.6801	116.6801	2.2400e-003	2.1400e-003	117.3735
Unrefrigerated Warehouse-No Rail	162.321	1.7500e-003	0.0159	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.0965	19.0965	3.7000e-004	3.5000e-004	19.2100
Total		**0.6495**	**5.9047**	**4.9600**	**0.0354**		**0.4488**	**0.4488**		**0.4488**	**0.4488**		**7,085.6622**	**7,085.6622**	**0.1358**	**0.1299**	**7,127.7688**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	3.81836	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.2184	449.2184	8.6100e-003	8.2400e-003	451.8879
General Office Building	2.73797	0.0295	0.2684	0.2255	1.6100e-003		0.0204	0.0204		0.0204	0.0204		322.1144	322.1144	6.1700e-003	5.9100e-003	324.0286
Hospital	52.5177	0.5664	5.1488	4.3250	0.0309		0.3913	0.3913		0.3913	0.3913		6,178.5528	6,178.5528	0.1184	0.1133	6,215.2688
Library	0.991781	0.0107	0.0972	0.0817	5.8000e-004		7.3900e-003	7.3900e-003		7.3900e-003	7.3900e-003		116.6801	116.6801	2.2400e-003	2.1400e-003	117.3735
Unrefrigerated Warehouse-No Rail	0.162321	1.7500e-003	0.0159	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.0965	19.0965	3.7000e-004	3.5000e-004	19.2100
Total		**0.6495**	**5.9047**	**4.9600**	**0.0354**		**0.4488**	**0.4488**		**0.4488**	**0.4488**		**7,085.6622**	**7,085.6622**	**0.1358**	**0.1299**	**7,127.7688**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.8657	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871
Unmitigated	11.8657	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.1261					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0116	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871
Total	**11.8657**	**1.1400e-003**	**0.1257**	**1.0000e-005**		**4.5000e-004**	**4.5000e-004**		**4.5000e-004**	**4.5000e-004**		**0.2694**	**0.2694**	**7.1000e-004**		**0.2871**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.1261					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0116	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871
Total	**11.8657**	**1.1400e-003**	**0.1257**	**1.0000e-005**		**4.5000e-004**	**4.5000e-004**		**4.5000e-004**	**4.5000e-004**		**0.2694**	**0.2694**	**7.1000e-004**		**0.2871**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Olive View-UCLA Medical Center - Tier 1B

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	96.00	1000sqft	0.67	96,000.00	0
Hospital	296.00	1000sqft	1.40	296,000.00	0
Library	20.00	1000sqft	0.55	20,000.00	0
General Light Industry	77.00	1000sqft	0.78	77,000.00	0
Unrefrigerated Warehouse-No Rail	68.10	1000sqft	0.56	68,100.00	0
Enclosed Parking with Elevator	674.00	Space	1.06	269,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	834	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP CO2 intensity revised based on 2016 CO2 intensity identified in 2017 Power Strategic Long-Term Resource Plan (p. C-15).

Land Use - Building square footages from project description.

Construction Phase - Default construction schedule based on building square footages. All buildings assumed to be under construction concurrently.

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Grading - Off-site export and import estimates provided by SmithGroupJJR. Import/export quantities assumed to be distributed evenly over site prep and grading phases.

Demolition - Demolition square footage provided by SmithGroupJJR

Trips and VMT - Default number of trips and distances assumed.

On-road Fugitive Dust - Defaults assumed.

Architectural Coating - VOC content of architectural coatings changed to 25 g/L to exceed SCAQMD Rule 1113 requirements.

Vehicle Trips - Daily operational trips based on March 2019 TIA prepared by Fehr & Peers, which would total 9,973 trips per day. All trips included in the Hospital land use, including internal capture, transit/walk/bike credit, and carpool accounted for.

Vehicle Emission Factors - Defaults assumed.

Vehicle Emission Factors - Defaults assumed.

Vehicle Emission Factors - Defaults assumed.

Road Dust - Defaults assumed.

Area Coating - VOC content of architectural coatings changed to 50 g/L to meet SCAQMD Rule 1113 requirements

Energy Use - Defaults assumed.

Water And Wastewater - Defaults assumed.

Solid Waste - Defaults assumed.

Construction Off-road Equipment Mitigation - Rule 403 compliance

Olive View-UCLA Medical Center - Tier 1B - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintParkingValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	50	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	50
tblGrading	AcresOfGrading	10.00	5.00
tblGrading	AcresOfGrading	0.00	5.00
tblGrading	MaterialExported	0.00	22,833.00
tblGrading	MaterialExported	0.00	11,417.00
tblGrading	MaterialImported	0.00	11,667.00
tblGrading	MaterialImported	0.00	5,833.00
tblLandUse	LotAcreage	2.20	0.67
tblLandUse	LotAcreage	6.80	1.40
tblLandUse	LotAcreage	0.46	0.55
tblLandUse	LotAcreage	1.77	0.78
tblLandUse	LotAcreage	1.56	0.56
tblLandUse	LotAcreage	6.07	1.06
tblProjectCharacteristics	CO2IntensityFactor	1227.89	834
tblTripsAndVMT	HaulingTripNumber	4,313.00	4,312.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	33.69

tblVehicleTrips	ST_TR	46.55	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	33.69
tblVehicleTrips	SU_TR	25.49	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	33.69
tblVehicleTrips	WD_TR	56.24	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4901	5.0999	4.0820	0.0137	0.7366	0.1472	0.8838	0.2322	0.1379	0.3701	0.0000	1,267.4994	1,267.4994	0.1322	0.0000	1,270.8047
2022	1.3578	0.4051	0.4806	1.2300e-003	0.0486	0.0147	0.0633	0.0131	0.0138	0.0269	0.0000	111.1958	111.1958	0.0148	0.0000	111.5648
Maximum	**1.3578**	**5.0999**	**4.0820**	**0.0137**	**0.7366**	**0.1472**	**0.8838**	**0.2322**	**0.1379**	**0.3701**	**0.0000**	**1,267.4994**	**1,267.4994**	**0.1322**	**0.0000**	**1,270.8047**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4901	5.0999	4.0820	0.0137	0.3881	0.1472	0.5354	0.1232	0.1379	0.2611	0.0000	1,267.4991	1,267.4991	0.1322	0.0000	1,270.8043
2022	1.3578	0.4051	0.4806	1.2300e-003	0.0282	0.0147	0.0429	8.0800e-003	0.0138	0.0219	0.0000	111.1957	111.1957	0.0148	0.0000	111.5647
Maximum	**1.3578**	**5.0999**	**4.0820**	**0.0137**	**0.3881**	**0.1472**	**0.5354**	**0.1232**	**0.1379**	**0.2611**	**0.0000**	**1,267.4991**	**1,267.4991**	**0.1322**	**0.0000**	**1,270.8043**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**46.98**	**0.00**	**38.94**	**46.48**	**0.00**	**28.73**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	2.0859	2.0859
2	4-1-2021	6-30-2021	1.1400	1.1400
3	7-1-2021	9-30-2021	1.1526	1.1526
4	10-1-2021	12-31-2021	1.1604	1.1604
5	1-1-2022	3-31-2022	1.7668	1.7668
		Highest	2.0859	2.0859

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1648	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326
Energy	0.1185	1.0776	0.9052	6.4700e-003		0.0819	0.0819		0.0819	0.0819	0.0000	5,305.5812	5,305.5812	0.1662	0.0512	5,325.0043
Mobile	3.0122	13.9140	44.1792	0.1705	14.6733	0.1285	14.8017	3.9331	0.1195	4.0526	0.0000	15,762.5023	15,762.5023	0.7622	0.0000	15,781.5564
Waste						0.0000	0.0000		0.0000	0.0000	703.1587	0.0000	703.1587	41.5555	0.0000	1,742.0458
Water						0.0000	0.0000		0.0000	0.0000	28.0404	513.1652	541.2056	2.8979	0.0717	635.0174
Total	**5.2955**	**14.9917**	**45.1001**	**0.1770**	**14.6733**	**0.2104**	**14.8837**	**3.9331**	**0.2015**	**4.1345**	**731.1991**	**21,581.2792**	**22,312.4783**	**45.3818**	**0.1229**	**23,483.6566**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1648	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326
Energy	0.1185	1.0776	0.9052	6.4700e-003		0.0819	0.0819		0.0819	0.0819	0.0000	5,305.5812	5,305.5812	0.1662	0.0512	5,325.0043
Mobile	3.0122	13.9140	44.1792	0.1705	14.6733	0.1285	14.8017	3.9331	0.1195	4.0526	0.0000	15,762.5023	15,762.5023	0.7622	0.0000	15,781.5564
Waste						0.0000	0.0000		0.0000	0.0000	703.1587	0.0000	703.1587	41.5555	0.0000	1,742.0458
Water						0.0000	0.0000		0.0000	0.0000	28.0404	513.1652	541.2056	2.8979	0.0717	635.0174
Total	**5.2955**	**14.9917**	**45.1001**	**0.1770**	**14.6733**	**0.2104**	**14.8837**	**3.9331**	**0.2015**	**4.1345**	**731.1991**	**21,581.2792**	**22,312.4783**	**45.3818**	**0.1229**	**23,483.6566**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	1/28/2021	5	20	
2	Site Preparation	Site Preparation	1/29/2021	2/11/2021	5	10	
3	Grading	Grading	2/12/2021	3/11/2021	5	20	
4	Building Construction	Building Construction	3/12/2021	1/27/2022	5	230	
5	Paving	Paving	1/28/2022	2/24/2022	5	20	
6	Architectural Coating	Architectural Coating	2/25/2022	3/24/2022	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.06

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 835,650; Non-Residential Outdoor: 278,550; Striped Parking Area: 16,176 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	618.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	2,156.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	4,312.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	308.00	135.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	62.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0668	0.0000	0.0668	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**	**0.0668**	**0.0155**	**0.0824**	**0.0101**	**0.0144**	**0.0245**	**0.0000**	**34.0008**	**34.0008**	**9.5700e-003**	**0.0000**	**34.2400**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6000e-003	0.0855	0.0199	2.4000e-004	5.3100e-003	2.6000e-004	5.5700e-003	1.4600e-003	2.4000e-004	1.7000e-003	0.0000	23.5550	23.5550	1.6300e-003	0.0000	23.5958
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	**3.2500e-003**	**0.0860**	**0.0256**	**2.6000e-004**	**6.9500e-003**	**2.7000e-004**	**7.2300e-003**	**1.9000e-003**	**2.5000e-004**	**2.1500e-003**	**0.0000**	**25.0383**	**25.0383**	**1.6700e-003**	**0.0000**	**25.0803**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0261	0.0000	0.0261	3.9500e-003	0.0000	3.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**	**0.0261**	**0.0155**	**0.0416**	**3.9500e-003**	**0.0144**	**0.0184**	**0.0000**	**34.0007**	**34.0007**	**9.5700e-003**	**0.0000**	**34.2400**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6000e-003	0.0855	0.0199	2.4000e-004	3.3100e-003	2.6000e-004	3.5700e-003	9.7000e-004	2.4000e-004	1.2100e-003	0.0000	23.5550	23.5550	1.6300e-003	0.0000	23.5958
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	9.3000e-004	1.0000e-005	9.4000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	**3.2500e-003**	**0.0860**	**0.0256**	**2.6000e-004**	**4.2400e-003**	**2.7000e-004**	**4.5100e-003**	**1.2300e-003**	**2.5000e-004**	**1.4800e-003**	**0.0000**	**25.0383**	**25.0383**	**1.6700e-003**	**0.0000**	**25.0803**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0940	0.0000	0.0940	0.0501	0.0000	0.0501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0940**	**0.0102**	**0.1042**	**0.0501**	**9.4000e-003**	**0.0595**	**0.0000**	**16.7179**	**16.7179**	**5.4100e-003**	**0.0000**	**16.8530**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0800e-003	0.2984	0.0696	8.3000e-004	0.0185	8.9000e-004	0.0194	5.0900e-003	8.5000e-004	5.9400e-003	0.0000	82.1755	82.1755	5.7000e-003	0.0000	82.3181
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
Total	**9.4700e-003**	**0.2987**	**0.0730**	**8.4000e-004**	**0.0195**	**9.0000e-004**	**0.0204**	**5.3500e-003**	**8.6000e-004**	**6.2100e-003**	**0.0000**	**83.0656**	**83.0656**	**5.7300e-003**	**0.0000**	**83.2088**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0366	0.0000	0.0366	0.0195	0.0000	0.0195	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0366**	**0.0102**	**0.0469**	**0.0195**	**9.4000e-003**	**0.0289**	**0.0000**	**16.7178**	**16.7178**	**5.4100e-003**	**0.0000**	**16.8530**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0800e-003	0.2984	0.0696	8.3000e-004	0.0116	8.9000e-004	0.0125	3.3800e-003	8.5000e-004	4.2300e-003	0.0000	82.1755	82.1755	5.7000e-003	0.0000	82.3181
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	5.6000e-004	1.0000e-005	5.7000e-004	1.6000e-004	1.0000e-005	1.6000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
Total	**9.4700e-003**	**0.2987**	**0.0730**	**8.4000e-004**	**0.0121**	**9.0000e-004**	**0.0130**	**3.5400e-003**	**8.6000e-004**	**4.3900e-003**	**0.0000**	**83.0656**	**83.0656**	**5.7300e-003**	**0.0000**	**83.2088**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0648	0.0000	0.0648	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644
Total	**0.0229**	**0.2474**	**0.1586**	**3.0000e-004**	**0.0648**	**0.0116**	**0.0764**	**0.0337**	**0.0107**	**0.0444**	**0.0000**	**26.0537**	**26.0537**	**8.4300e-003**	**0.0000**	**26.2644**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0182	0.5968	0.1392	1.6700e-003	0.0371	1.7900e-003	0.0388	0.0102	1.7100e-003	0.0119	0.0000	164.3511	164.3511	0.0114	0.0000	164.6363
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	**0.0188**	**0.5973**	**0.1448**	**1.6900e-003**	**0.0387**	**1.8000e-003**	**0.0405**	**0.0106**	**1.7200e-003**	**0.0123**	**0.0000**	**165.8344**	**165.8344**	**0.0115**	**0.0000**	**166.1207**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0253	0.0000	0.0253	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643
Total	**0.0229**	**0.2474**	**0.1586**	**3.0000e-004**	**0.0253**	**0.0116**	**0.0369**	**0.0131**	**0.0107**	**0.0238**	**0.0000**	**26.0537**	**26.0537**	**8.4300e-003**	**0.0000**	**26.2643**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0182	0.5968	0.1392	1.6700e-003	0.0231	1.7900e-003	0.0249	6.7600e-003	1.7100e-003	8.4700e-003	0.0000	164.3511	164.3511	0.0114	0.0000	164.6363
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	9.3000e-004	1.0000e-005	9.4000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	**0.0188**	**0.5973**	**0.1448**	**1.6900e-003**	**0.0241**	**1.8000e-003**	**0.0259**	**7.0200e-003**	**1.7200e-003**	**8.7400e-003**	**0.0000**	**165.8344**	**165.8344**	**0.0115**	**0.0000**	**166.1207**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2006	1.8391	1.7487	2.8400e-003		0.1011	0.1011		0.0951	0.0951	0.0000	244.3773	244.3773	0.0590	0.0000	245.8513
Total	**0.2006**	**1.8391**	**1.7487**	**2.8400e-003**		**0.1011**	**0.1011**		**0.0951**	**0.0951**	**0.0000**	**244.3773**	**244.3773**	**0.0590**	**0.0000**	**245.8513**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0442	1.4056	0.3811	3.6200e-003	0.0897	2.8700e-003	0.0926	0.0259	2.7400e-003	0.0286	0.0000	351.0728	351.0728	0.0215	0.0000	351.6111
Worker	0.1398	0.1089	1.2288	3.5600e-003	0.3561	2.9300e-003	0.3590	0.0946	2.7000e-003	0.0973	0.0000	321.3387	321.3387	9.4600e-003	0.0000	321.5751
Total	**0.1840**	**1.5144**	**1.6099**	**7.1800e-003**	**0.4458**	**5.8000e-003**	**0.4516**	**0.1205**	**5.4400e-003**	**0.1259**	**0.0000**	**672.4115**	**672.4115**	**0.0310**	**0.0000**	**673.1862**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2006	1.8391	1.7487	2.8400e-003		0.1011	0.1011		0.0951	0.0951	0.0000	244.3770	244.3770	0.0590	0.0000	245.8510
Total	**0.2006**	**1.8391**	**1.7487**	**2.8400e-003**		**0.1011**	**0.1011**		**0.0951**	**0.0951**	**0.0000**	**244.3770**	**244.3770**	**0.0590**	**0.0000**	**245.8510**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0442	1.4056	0.3811	3.6200e-003	0.0580	2.8700e-003	0.0608	0.0181	2.7400e-003	0.0208	0.0000	351.0728	351.0728	0.0215	0.0000	351.6111
Worker	0.1398	0.1089	1.2288	3.5600e-003	0.2018	2.9300e-003	0.2047	0.0567	2.7000e-003	0.0594	0.0000	321.3387	321.3387	9.4600e-003	0.0000	321.5751
Total	**0.1840**	**1.5144**	**1.6099**	**7.1800e-003**	**0.2597**	**5.8000e-003**	**0.2655**	**0.0748**	**5.4400e-003**	**0.0802**	**0.0000**	**672.4115**	**672.4115**	**0.0310**	**0.0000**	**673.1862**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0162	0.1484	0.1555	2.6000e-004		7.6900e-003	7.6900e-003		7.2300e-003	7.2300e-003	0.0000	22.0139	22.0139	5.2700e-003	0.0000	22.1458
Total	**0.0162**	**0.1484**	**0.1555**	**2.6000e-004**		**7.6900e-003**	**7.6900e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.0139**	**22.0139**	**5.2700e-003**	**0.0000**	**22.1458**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7400e-003	0.1203	0.0325	3.2000e-004	8.0800e-003	2.3000e-004	8.3000e-003	2.3300e-003	2.2000e-004	2.5500e-003	0.0000	31.3355	31.3355	1.8700e-003	0.0000	31.3823
Worker	0.0118	8.8500e-003	0.1020	3.1000e-004	0.0321	2.6000e-004	0.0323	8.5200e-003	2.4000e-004	8.7500e-003	0.0000	27.9186	27.9186	7.7000e-004	0.0000	27.9378
Total	**0.0156**	**0.1291**	**0.1344**	**6.3000e-004**	**0.0401**	**4.9000e-004**	**0.0406**	**0.0109**	**4.6000e-004**	**0.0113**	**0.0000**	**59.2541**	**59.2541**	**2.6400e-003**	**0.0000**	**59.3201**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0162	0.1484	0.1555	2.6000e-004		7.6900e-003	7.6900e-003		7.2300e-003	7.2300e-003	0.0000	22.0139	22.0139	5.2700e-003	0.0000	22.1457
Total	**0.0162**	**0.1484**	**0.1555**	**2.6000e-004**		**7.6900e-003**	**7.6900e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.0139**	**22.0139**	**5.2700e-003**	**0.0000**	**22.1457**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7400e-003	0.1203	0.0325	3.2000e-004	5.2200e-003	2.3000e-004	5.4500e-003	1.6300e-003	2.2000e-004	1.8500e-003	0.0000	31.3355	31.3355	1.8700e-003	0.0000	31.3823
Worker	0.0118	8.8500e-003	0.1020	3.1000e-004	0.0182	2.6000e-004	0.0184	5.1100e-003	2.4000e-004	5.3400e-003	0.0000	27.9186	27.9186	7.7000e-004	0.0000	27.9378
Total	**0.0156**	**0.1291**	**0.1344**	**6.3000e-004**	**0.0234**	**4.9000e-004**	**0.0239**	**6.7400e-003**	**4.6000e-004**	**7.1900e-003**	**0.0000**	**59.2541**	**59.2541**	**2.6400e-003**	**0.0000**	**59.3201**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0276**	**20.0276**	**6.4800e-003**	**0.0000**	**20.1895**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	**6.1000e-004**	**4.5000e-004**	**5.2300e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.4312**	**1.4312**	**4.0000e-005**	**0.0000**	**1.4322**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0275**	**20.0275**	**6.4800e-003**	**0.0000**	**20.1895**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	9.3000e-004	1.0000e-005	9.4000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	**6.1000e-004**	**4.5000e-004**	**5.2300e-003**	**2.0000e-005**	**9.3000e-004**	**1.0000e-005**	**9.4000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**1.4312**	**1.4312**	**4.0000e-005**	**0.0000**	**1.4322**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3098					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**1.3119**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.8800e-003	0.0216	7.0000e-005	6.7900e-003	5.0000e-005	6.8500e-003	1.8000e-003	5.0000e-005	1.8500e-003	0.0000	5.9158	5.9158	1.6000e-004	0.0000	5.9198
Total	**2.5000e-003**	**1.8800e-003**	**0.0216**	**7.0000e-005**	**6.7900e-003**	**5.0000e-005**	**6.8500e-003**	**1.8000e-003**	**5.0000e-005**	**1.8500e-003**	**0.0000**	**5.9158**	**5.9158**	**1.6000e-004**	**0.0000**	**5.9198**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3098					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**1.3119**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.8800e-003	0.0216	7.0000e-005	3.8500e-003	5.0000e-005	3.9000e-003	1.0800e-003	5.0000e-005	1.1300e-003	0.0000	5.9158	5.9158	1.6000e-004	0.0000	5.9198
Total	**2.5000e-003**	**1.8800e-003**	**0.0216**	**7.0000e-005**	**3.8500e-003**	**5.0000e-005**	**3.9000e-003**	**1.0800e-003**	**5.0000e-005**	**1.1300e-003**	**0.0000**	**5.9158**	**5.9158**	**1.6000e-004**	**0.0000**	**5.9198**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0122	13.9140	44.1792	0.1705	14.6733	0.1285	14.8017	3.9331	0.1195	4.0526	0.0000	15,762.5023	15,762.5023	0.7622	0.0000	15,781.5564
Unmitigated	3.0122	13.9140	44.1792	0.1705	14.6733	0.1285	14.8017	3.9331	0.1195	4.0526	0.0000	15,762.5023	15,762.5023	0.7622	0.0000	15,781.5564

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	9,972.24	9,972.24	9972.24	38,660,796	38,660,796
Library	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	9,972.24	9,972.24	9,972.24	38,660,796	38,660,796

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Light Industry	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Hospital	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Library	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Unrefrigerated Warehouse-No Rail	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Olive View-UCLA Medical Center - Tier 1B - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,132.4703	4,132.4703	0.1437	0.0297	4,144.9223
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,132.4703	4,132.4703	0.1437	0.0297	4,144.9223
NaturalGas Mitigated	0.1185	1.0776	0.9052	6.4700e-003		0.0819	0.0819		0.0819	0.0819	0.0000	1,173.1108	1,173.1108	0.0225	0.0215	1,180.0821
NaturalGas Unmitigated	0.1185	1.0776	0.9052	6.4700e-003		0.0819	0.0819		0.0819	0.0819	0.0000	1,173.1108	1,173.1108	0.0225	0.0215	1,180.0821

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	1.3937e+006	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3731	74.3731	1.4300e-003	1.3600e-003	74.8151
General Office Building	999360	5.3900e-003	0.0490	0.0412	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.3297	53.3297	1.0200e-003	9.8000e-004	53.6466
Hospital	1.9169e+007	0.1034	0.9397	0.7893	5.6400e-003		0.0714	0.0714		0.0714	0.0714	0.0000	1,022.9287	1,022.9287	0.0196	0.0188	1,029.0075
Library	362000	1.9500e-003	0.0178	0.0149	1.1000e-004		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	19.3177	19.3177	3.7000e-004	3.5000e-004	19.4325
Unrefrigerated Warehouse-No Rail	59247	3.2000e-004	2.9000e-003	2.4400e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1617	3.1617	6.0000e-005	6.0000e-005	3.1804
Total		**0.1185**	**1.0776**	**0.9052**	**6.4700e-003**		**0.0819**	**0.0819**		**0.0819**	**0.0819**	**0.0000**	**1,173.1109**	**1,173.1109**	**0.0225**	**0.0215**	**1,180.0821**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	1.3937e+006	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3731	74.3731	1.4300e-003	1.3600e-003	74.8151
General Office Building	999360	5.3900e-003	0.0490	0.0412	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.3297	53.3297	1.0200e-003	9.8000e-004	53.6466
Hospital	1.9169e+007	0.1034	0.9397	0.7893	5.6400e-003		0.0714	0.0714		0.0714	0.0714	0.0000	1,022.9287	1,022.9287	0.0196	0.0188	1,029.0075
Library	362000	1.9500e-003	0.0178	0.0149	1.1000e-004		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	19.3177	19.3177	3.7000e-004	3.5000e-004	19.4325
Unrefrigerated Warehouse-No Rail	59247	3.2000e-004	2.9000e-003	2.4400e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1617	3.1617	6.0000e-005	6.0000e-005	3.1804
Total		**0.1185**	**1.0776**	**0.9052**	**6.4700e-003**		**0.0819**	**0.0819**		**0.0819**	**0.0819**	**0.0000**	**1,173.1109**	**1,173.1109**	**0.0225**	**0.0215**	**1,180.0821**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.57986e+006	597.6533	0.0208	4.3000e-003	599.4541
General Light Industry	854700	323.3296	0.0112	2.3300e-003	324.3039
General Office Building	1.24704e+006	471.7503	0.0164	3.3900e-003	473.1718
Hospital	6.75472e+006	2,555.2838	0.0889	0.0184	2,562.9834
Library	222000	83.9817	2.9200e-003	6.0000e-004	84.2348
Unrefrigerated Warehouse-No Rail	265590	100.4716	3.4900e-003	7.2000e-004	100.7744
Total		**4,132.4703**	**0.1437**	**0.0297**	**4,144.9223**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.57986e+006	597.6533	0.0208	4.3000e-003	599.4541
General Light Industry	854700	323.3296	0.0112	2.3300e-003	324.3039
General Office Building	1.24704e+006	471.7503	0.0164	3.3900e-003	473.1718
Hospital	6.75472e+006	2,555.2838	0.0889	0.0184	2,562.9834
Library	222000	83.9817	2.9200e-003	6.0000e-004	84.2348
Unrefrigerated Warehouse-No Rail	265590	100.4716	3.4900e-003	7.2000e-004	100.7744
Total		**4,132.4703**	**0.1437**	**0.0297**	**4,144.9223**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1648	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326
Unmitigated	2.1648	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1329					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0305					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326
Total	**2.1648**	**1.4000e-004**	**0.0157**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0306**	**0.0306**	**8.0000e-005**	**0.0000**	**0.0326**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1329					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0305					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326
Total	**2.1648**	**1.4000e-004**	**0.0157**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0306**	**0.0306**	**8.0000e-005**	**0.0000**	**0.0326**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	541.2056	2.8979	0.0717	635.0174
Unmitigated	541.2056	2.8979	0.0717	635.0174

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	17.8062 / 0	93.3590	0.5833	0.0143	112.2114
General Office Building	17.0624 / 10.4576	133.4112	0.5604	0.0141	151.6085
Hospital	37.1422 / 7.07471	224.4726	1.2177	0.0301	263.8865
Library	0.625778 / 0.978781	7.3947	0.0206	5.3000e-004	8.0696
Unrefrigerated Warehouse-No Rail	15.7481 / 0	82.5682	0.5159	0.0127	99.2415
Total		**541.2056**	**2.8979**	**0.0717**	**635.0174**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	17.8062 / 0	93.3590	0.5833	0.0143	112.2114
General Office Building	17.0624 / 10.4576	133.4112	0.5604	0.0141	151.6085
Hospital	37.1422 / 7.07471	224.4726	1.2177	0.0301	263.8865
Library	0.625778 / 0.978781	7.3947	0.0206	5.3000e-004	8.0696
Unrefrigerated Warehouse-No Rail	15.7481 / 0	82.5682	0.5159	0.0127	99.2415
Total		**541.2056**	**2.8979**	**0.0717**	**635.0174**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	703.1587	41.5555	0.0000	1,742.0458
Unmitigated	703.1587	41.5555	0.0000	1,742.0458

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	95.48	19.3816	1.1454	0.0000	48.0170
General Office Building	89.28	18.1230	1.0710	0.0000	44.8991
Hospital	3196.8	648.9215	38.3502	0.0000	1,607.6756
Library	18.42	3.7391	0.2210	0.0000	9.2635
Unrefrigerated Warehouse-No Rail	64.01	12.9935	0.7679	0.0000	32.1907
Total		**703.1587**	**41.5555**	**0.0000**	**1,742.0458**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	95.48	19.3816	1.1454	0.0000	48.0170
General Office Building	89.28	18.1230	1.0710	0.0000	44.8991
Hospital	3196.8	648.9215	38.3502	0.0000	1,607.6756
Library	18.42	3.7391	0.2210	0.0000	9.2635
Unrefrigerated Warehouse-No Rail	64.01	12.9935	0.7679	0.0000	32.1907
Total		**703.1587**	**41.5555**	**0.0000**	**1,742.0458**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Olive View-UCLA Medical Center - Tier 1B

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	96.00	1000sqft	0.67	96,000.00	0
Hospital	296.00	1000sqft	1.40	296,000.00	0
General Light Industry	77.00	1000sqft	0.78	77,000.00	0
Unrefrigerated Warehouse-No Rail	68.10	1000sqft	0.56	68,100.00	0
Enclosed Parking with Elevator	674.00	Space	1.06	269,600.00	0
Library	20.00	1000sqft	0.55	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	834	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP CO2 intensity revised based on 2016 CO2 intensity identified in 2017 Power Strategic Long-Term Resource Plan (p. C-15).

Land Use - Building square footages from project description.

Construction Phase - Default construction schedule based on building square footages. All buildings assumed to be under construction concurrently.

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Grading - Off-site export and import estimates provided by SmithGroupJJR. Import/export quantities assumed to be distributed evenly over site prep and grading phases.

Demolition - Demolition square footage provided by SmithGroupJJR

Trips and VMT - Default number of trips and distances assumed.

On-road Fugitive Dust - Defaults assumed.

Architectural Coating - VOC content of architectural coatings changed to 25 g/L to exceed SCAQMD Rule 1113 requirements.

Vehicle Trips - Daily operational trips based on March 2019 TIA prepared by Fehr & Peers, which would total 9,973 trips per day. All trips included in the Hospital land use, including internal capture, transit/walk/bike credit, and carpool accounted for.

Vehicle Emission Factors - Defaults assumed.

Vehicle Emission Factors - Defaults assumed.

Vehicle Emission Factors - Defaults assumed.

Area Coating - VOC content of architectural coatings changed to 25 g/L to exceed SCAQMD Rule 1113 requirements

Energy Use - Defaults assumed.

Water And Wastewater - Defaults assumed.

Solid Waste - Defaults assumed.

Construction Off-road Equipment Mitigation - Rule 403 compliance

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	25.00

tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	25.00
tblArchitecturalCoating	EF_Parking	100.00	25.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	25
tblAreaCoating	Area_EF_Nonresidential_Interior	100	25
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	50
tblGrading	AcresOfGrading	10.00	5.00
tblGrading	AcresOfGrading	0.00	5.00
tblGrading	MaterialExported	0.00	22,833.00
tblGrading	MaterialExported	0.00	11,417.00
tblGrading	MaterialImported	0.00	11,667.00
tblGrading	MaterialImported	0.00	5,833.00
tblLandUse	LotAcreage	2.20	0.67
tblLandUse	LotAcreage	6.80	1.40
tblLandUse	LotAcreage	1.77	0.78
tblLandUse	LotAcreage	1.56	0.56
tblLandUse	LotAcreage	6.07	1.06
tblLandUse	LotAcreage	0.46	0.55
tblProjectCharacteristics	CO2IntensityFactor	1227.89	834
tblTripsAndVMT	HaulingTripNumber	4,313.00	4,312.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	33.69
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	46.55	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	33.69

tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	25.49	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	33.69
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	56.24	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.7630	98.3834	35.4395	0.2083	22.7626	2.2236	24.9862	11.1042	2.0522	13.1565	0.0000	22,140.0170	22,140.0170	2.4365	0.0000	22,200.9301
2022	65.9446	28.8999	31.0508	0.0953	4.3070	0.8594	5.1664	1.1619	0.8084	1.9703	0.0000	9,616.9270	9,616.9270	0.9165	0.0000	9,639.8381
Maximum	**65.9446**	**98.3834**	**35.4395**	**0.2083**	**22.7626**	**2.2236**	**24.9862**	**11.1042**	**2.0522**	**13.1565**	**0.0000**	**22,140.0170**	**22,140.0170**	**2.4365**	**0.0000**	**22,200.9301**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.7630	98.3834	35.4395	0.2083	9.7871	2.2236	12.0107	4.6223	2.0522	6.6745	0.0000	22,140.0170	22,140.0170	2.4365	0.0000	22,200.9301
2022	65.9446	28.8999	31.0508	0.0953	2.5026	0.8594	3.3620	0.7190	0.8084	1.5274	0.0000	9,616.9270	9,616.9270	0.9165	0.0000	9,639.8381
Maximum	**65.9446**	**98.3834**	**35.4395**	**0.2083**	**9.7871**	**2.2236**	**12.0107**	**4.6223**	**2.0522**	**6.6745**	**0.0000**	**22,140.0170**	**22,140.0170**	**2.4365**	**0.0000**	**22,200.9301**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.60**	**0.00**	**49.02**	**56.46**	**0.00**	**45.78**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.5120	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871
Energy	0.6495	5.9047	4.9600	0.0354		0.4488	0.4488		0.4488	0.4488		7,085.6622	7,085.6622	0.1358	0.1299	7,127.7688
Mobile	17.4418	73.0423	253.6076	0.9711	82.2093	0.7056	82.9150	21.9997	0.6564	22.6560		98,883.0293	98,883.0293	4.6583		98,999.4879
Total	**29.6033**	**78.9482**	**258.6932**	**1.0066**	**82.2093**	**1.1549**	**83.3642**	**21.9997**	**1.1056**	**23.1053**		**105,968.9610**	**105,968.9610**	**4.7949**	**0.1299**	**106,127.5437**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.5120	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871
Energy	0.6495	5.9047	4.9600	0.0354		0.4488	0.4488		0.4488	0.4488		7,085.6622	7,085.6622	0.1358	0.1299	7,127.7688
Mobile	17.4418	73.0423	253.6076	0.9711	82.2093	0.7056	82.9150	21.9997	0.6564	22.6560		98,883.0293	98,883.0293	4.6583		98,999.4879
Total	**29.6033**	**78.9482**	**258.6932**	**1.0066**	**82.2093**	**1.1549**	**83.3642**	**21.9997**	**1.1056**	**23.1053**		**105,968.9610**	**105,968.9610**	**4.7949**	**0.1299**	**106,127.5437**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	1/28/2021	5	20	
2	Site Preparation	Site Preparation	1/29/2021	2/11/2021	5	10	
3	Grading	Grading	2/12/2021	3/11/2021	5	20	
4	Building Construction	Building Construction	3/12/2021	1/27/2022	5	230	
5	Paving	Paving	1/28/2022	2/24/2022	5	20	
6	Architectural Coating	Architectural Coating	2/25/2022	3/24/2022	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.06

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 835,650; Non-Residential Outdoor: 278,550; Striped Parking Area: 16,176 (Architectural Coating – sqft)

OffRoad Equipment

Olive View-UCLA Medical Center - Tier 1B - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	62.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	308.00	135.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	618.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	4,312.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	2,156.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6838	0.0000	6.6838	1.0120	0.0000	1.0120			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**6.6838**	**1.5513**	**8.2351**	**1.0120**	**1.4411**	**2.4531**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2576	8.2887	1.9435	0.0241	0.5403	0.0254	0.5657	0.1481	0.0243	0.1725		2,615.5190	2,615.5190	0.1775		2,619.9564
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.3219**	**8.3329**	**2.5476**	**0.0258**	**0.7080**	**0.0268**	**0.7348**	**0.1926**	**0.0256**	**0.2182**		**2,786.3345**	**2,786.3345**	**0.1825**		**2,790.8977**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6067	0.0000	2.6067	0.3947	0.0000	0.3947			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**2.6067**	**1.5513**	**4.1580**	**0.3947**	**1.4411**	**1.8358**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2576	8.2887	1.9435	0.0241	0.3360	0.0254	0.3615	0.0980	0.0243	0.1223		2,615.5190	2,615.5190	0.1775		2,619.9564
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.0948	1.3500e-003	0.0961	0.0266	1.2500e-003	0.0278		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.3219**	**8.3329**	**2.5476**	**0.0258**	**0.4308**	**0.0268**	**0.4576**	**0.1246**	**0.0256**	**0.1501**		**2,786.3345**	**2,786.3345**	**0.1825**		**2,790.8977**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.7916	0.0000	18.7916	10.0175	0.0000	10.0175			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.7916**	**2.0445**	**20.8361**	**10.0175**	**1.8809**	**11.8984**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7977	57.8333	13.5603	0.1682	3.7699	0.1775	3.9474	1.0334	0.1698	1.2032		18,249.3816	18,249.3816	1.2385		18,280.3433
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	**1.8748**	**57.8863**	**14.2852**	**0.1703**	**3.9711**	**0.1791**	**4.1502**	**1.0867**	**0.1713**	**1.2581**		**18,454.3602**	**18,454.3602**	**1.2445**		**18,485.4729**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3287	0.0000	7.3287	3.9068	0.0000	3.9068			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**7.3287**	**2.0445**	**9.3732**	**3.9068**	**1.8809**	**5.7877**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

Olive View-UCLA Medical Center - Tier 1B

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	96.00	1000sqft	0.67	96,000.00	0
Hospital	296.00	1000sqft	1.40	296,000.00	0
General Light Industry	77.00	1000sqft	0.78	77,000.00	0
Unrefrigerated Warehouse-No Rail	68.10	1000sqft	0.56	68,100.00	0
Enclosed Parking with Elevator	674.00	Space	1.06	269,600.00	0
Library	20.00	1000sqft	0.55	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	834	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP CO2 intensity revised based on 2016 CO2 intensity identified in 2017 Power Strategic Long-Term Resource Plan (p. C-15).

Land Use - Building square footages from project description.

Construction Phase - Default construction schedule based on building square footages. All buildings assumed to be under construction concurrently.

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Off-road Equipment - Default construction equipment

Grading - Off-site export and import estimates provided by SmithGroupJJR. Import/export quantities assumed to be distributed evenly over site prep and grading phases.

Demolition - Demolition square footage provided by SmithGroupJJR

Trips and VMT - Default number of trips and distances assumed.

On-road Fugitive Dust - Defaults assumed.

Architectural Coating - VOC content of architectural coatings changed to 25 g/L to exceed SCAQMD Rule 1113 requirements.

Vehicle Trips - Daily operational trips based on March 2019 TIA prepared by Fehr & Peers, which would total 9,973 trips per day. All trips included in the Hospital land use, including internal capture, transit/walk/bike credit, and carpool accounted for.

Vehicle Emission Factors - Defaults assumed.

Vehicle Emission Factors - Defaults assumed.

Vehicle Emission Factors - Defaults assumed.

Area Coating - VOC content of architectural coatings changed to 25 g/L to exceed SCAQMD Rule 1113 requirements

Energy Use - Defaults assumed.

Water And Wastewater - Defaults assumed.

Solid Waste - Defaults assumed.

Construction Off-road Equipment Mitigation - Rule 403 compliance

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	25.00

tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	25.00
tblArchitecturalCoating	EF_Parking	100.00	25.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	25
tblAreaCoating	Area_EF_Nonresidential_Interior	100	25
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	50
tblGrading	AcresOfGrading	10.00	5.00
tblGrading	AcresOfGrading	0.00	5.00
tblGrading	MaterialExported	0.00	22,833.00
tblGrading	MaterialExported	0.00	11,417.00
tblGrading	MaterialImported	0.00	11,667.00
tblGrading	MaterialImported	0.00	5,833.00
tblLandUse	LotAcreage	2.20	0.67
tblLandUse	LotAcreage	6.80	1.40
tblLandUse	LotAcreage	1.77	0.78
tblLandUse	LotAcreage	1.56	0.56
tblLandUse	LotAcreage	6.07	1.06
tblLandUse	LotAcreage	0.46	0.55
tblProjectCharacteristics	CO2IntensityFactor	1227.89	834
tblTripsAndVMT	HaulingTripNumber	4,313.00	4,312.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	33.69
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	46.55	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	33.69

tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	25.49	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	33.69
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	56.24	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4901	5.0999	4.0820	0.0137	0.7366	0.1472	0.8838	0.2322	0.1379	0.3701	0.0000	1,267.4994	1,267.4994	0.1322	0.0000	1,270.8047
2022	0.7029	0.4051	0.4806	1.2300e-003	0.0486	0.0147	0.0633	0.0131	0.0138	0.0269	0.0000	111.1958	111.1958	0.0148	0.0000	111.5648
Maximum	**0.7029**	**5.0999**	**4.0820**	**0.0137**	**0.7366**	**0.1472**	**0.8838**	**0.2322**	**0.1379**	**0.3701**	**0.0000**	**1,267.4994**	**1,267.4994**	**0.1322**	**0.0000**	**1,270.8047**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4901	5.0999	4.0820	0.0137	0.3881	0.1472	0.5354	0.1232	0.1379	0.2611	0.0000	1,267.4991	1,267.4991	0.1322	0.0000	1,270.8043
2022	0.7029	0.4051	0.4806	1.2300e-003	0.0282	0.0147	0.0429	8.0800e-003	0.0138	0.0219	0.0000	111.1957	111.1957	0.0148	0.0000	111.5647
Maximum	**0.7029**	**5.0999**	**4.0820**	**0.0137**	**0.3881**	**0.1472**	**0.5354**	**0.1232**	**0.1379**	**0.2611**	**0.0000**	**1,267.4991**	**1,267.4991**	**0.1322**	**0.0000**	**1,270.8043**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**46.98**	**0.00**	**38.94**	**46.48**	**0.00**	**28.73**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	2.0859	2.0859
2	4-1-2021	6-30-2021	1.1400	1.1400
3	7-1-2021	9-30-2021	1.1526	1.1526
4	10-1-2021	12-31-2021	1.1604	1.1604
5	1-1-2022	3-31-2022	1.1119	1.1119
		Highest	2.0859	2.0859

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1003	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326
Energy	0.1185	1.0776	0.9052	6.4700e-003		0.0819	0.0819		0.0819	0.0819	0.0000	5,305.5812	5,305.5812	0.1662	0.0512	5,325.0043
Mobile	3.0122	13.9140	44.1792	0.1705	14.6733	0.1285	14.8017	3.9331	0.1195	4.0526	0.0000	15,762.5023	15,762.5023	0.7622	0.0000	15,781.5564
Waste						0.0000	0.0000		0.0000	0.0000	703.1587	0.0000	703.1587	41.5555	0.0000	1,742.0458
Water						0.0000	0.0000		0.0000	0.0000	28.0404	513.1652	541.2056	2.8979	0.0717	635.0174
Total	**5.2310**	**14.9917**	**45.1001**	**0.1770**	**14.6733**	**0.2104**	**14.8837**	**3.9331**	**0.2015**	**4.1345**	**731.1991**	**21,581.2792**	**22,312.4783**	**45.3818**	**0.1229**	**23,483.6566**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1003	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326
Energy	0.1185	1.0776	0.9052	6.4700e-003		0.0819	0.0819		0.0819	0.0819	0.0000	5,305.5812	5,305.5812	0.1662	0.0512	5,325.0043
Mobile	3.0122	13.9140	44.1792	0.1705	14.6733	0.1285	14.8017	3.9331	0.1195	4.0526	0.0000	15,762.5023	15,762.5023	0.7622	0.0000	15,781.5564
Waste						0.0000	0.0000		0.0000	0.0000	703.1587	0.0000	703.1587	41.5555	0.0000	1,742.0458
Water						0.0000	0.0000		0.0000	0.0000	28.0404	513.1652	541.2056	2.8979	0.0717	635.0174
Total	**5.2310**	**14.9917**	**45.1001**	**0.1770**	**14.6733**	**0.2104**	**14.8837**	**3.9331**	**0.2015**	**4.1345**	**731.1991**	**21,581.2792**	**22,312.4783**	**45.3818**	**0.1229**	**23,483.6566**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	1/28/2021	5	20	
2	Site Preparation	Site Preparation	1/29/2021	2/11/2021	5	10	
3	Grading	Grading	2/12/2021	3/11/2021	5	20	
4	Building Construction	Building Construction	3/12/2021	1/27/2022	5	230	
5	Paving	Paving	1/28/2022	2/24/2022	5	20	
6	Architectural Coating	Architectural Coating	2/25/2022	3/24/2022	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.06

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 835,650; Non-Residential Outdoor: 278,550; Striped Parking Area: 16,176 (Architectural Coating – sqft)

OffRoad Equipment

Olive View-UCLA Medical Center - Tier 1B - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	62.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	308.00	135.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	618.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	4,312.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	2,156.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0668	0.0000	0.0668	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**	**0.0668**	**0.0155**	**0.0824**	**0.0101**	**0.0144**	**0.0245**	**0.0000**	**34.0008**	**34.0008**	**9.5700e-003**	**0.0000**	**34.2400**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6000e-003	0.0855	0.0199	2.4000e-004	5.3100e-003	2.6000e-004	5.5700e-003	1.4600e-003	2.4000e-004	1.7000e-003	0.0000	23.5550	23.5550	1.6300e-003	0.0000	23.5958
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	**3.2500e-003**	**0.0860**	**0.0256**	**2.6000e-004**	**6.9500e-003**	**2.7000e-004**	**7.2300e-003**	**1.9000e-003**	**2.5000e-004**	**2.1500e-003**	**0.0000**	**25.0383**	**25.0383**	**1.6700e-003**	**0.0000**	**25.0803**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0261	0.0000	0.0261	3.9500e-003	0.0000	3.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**	**0.0261**	**0.0155**	**0.0416**	**3.9500e-003**	**0.0144**	**0.0184**	**0.0000**	**34.0007**	**34.0007**	**9.5700e-003**	**0.0000**	**34.2400**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6000e-003	0.0855	0.0199	2.4000e-004	3.3100e-003	2.6000e-004	3.5700e-003	9.7000e-004	2.4000e-004	1.2100e-003	0.0000	23.5550	23.5550	1.6300e-003	0.0000	23.5958
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	9.3000e-004	1.0000e-005	9.4000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	**3.2500e-003**	**0.0860**	**0.0256**	**2.6000e-004**	**4.2400e-003**	**2.7000e-004**	**4.5100e-003**	**1.2300e-003**	**2.5000e-004**	**1.4800e-003**	**0.0000**	**25.0383**	**25.0383**	**1.6700e-003**	**0.0000**	**25.0803**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0940	0.0000	0.0940	0.0501	0.0000	0.0501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0940**	**0.0102**	**0.1042**	**0.0501**	**9.4000e-003**	**0.0595**	**0.0000**	**16.7179**	**16.7179**	**5.4100e-003**	**0.0000**	**16.8530**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0800e-003	0.2984	0.0696	8.3000e-004	0.0185	8.9000e-004	0.0194	5.0900e-003	8.5000e-004	5.9400e-003	0.0000	82.1755	82.1755	5.7000e-003	0.0000	82.3181
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
Total	**9.4700e-003**	**0.2987**	**0.0730**	**8.4000e-004**	**0.0195**	**9.0000e-004**	**0.0204**	**5.3500e-003**	**8.6000e-004**	**6.2100e-003**	**0.0000**	**83.0656**	**83.0656**	**5.7300e-003**	**0.0000**	**83.2088**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0366	0.0000	0.0366	0.0195	0.0000	0.0195	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0366**	**0.0102**	**0.0469**	**0.0195**	**9.4000e-003**	**0.0289**	**0.0000**	**16.7178**	**16.7178**	**5.4100e-003**	**0.0000**	**16.8530**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0800e-003	0.2984	0.0696	8.3000e-004	0.0116	8.9000e-004	0.0125	3.3800e-003	8.5000e-004	4.2300e-003	0.0000	82.1755	82.1755	5.7000e-003	0.0000	82.3181
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	5.6000e-004	1.0000e-005	5.7000e-004	1.6000e-004	1.0000e-005	1.6000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
Total	**9.4700e-003**	**0.2987**	**0.0730**	**8.4000e-004**	**0.0121**	**9.0000e-004**	**0.0130**	**3.5400e-003**	**8.6000e-004**	**4.3900e-003**	**0.0000**	**83.0656**	**83.0656**	**5.7300e-003**	**0.0000**	**83.2088**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0648	0.0000	0.0648	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644
Total	**0.0229**	**0.2474**	**0.1586**	**3.0000e-004**	**0.0648**	**0.0116**	**0.0764**	**0.0337**	**0.0107**	**0.0444**	**0.0000**	**26.0537**	**26.0537**	**8.4300e-003**	**0.0000**	**26.2644**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0182	0.5968	0.1392	1.6700e-003	0.0371	1.7900e-003	0.0388	0.0102	1.7100e-003	0.0119	0.0000	164.3511	164.3511	0.0114	0.0000	164.6363
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	**0.0188**	**0.5973**	**0.1448**	**1.6900e-003**	**0.0387**	**1.8000e-003**	**0.0405**	**0.0106**	**1.7200e-003**	**0.0123**	**0.0000**	**165.8344**	**165.8344**	**0.0115**	**0.0000**	**166.1207**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0253	0.0000	0.0253	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643
Total	**0.0229**	**0.2474**	**0.1586**	**3.0000e-004**	**0.0253**	**0.0116**	**0.0369**	**0.0131**	**0.0107**	**0.0238**	**0.0000**	**26.0537**	**26.0537**	**8.4300e-003**	**0.0000**	**26.2643**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0182	0.5968	0.1392	1.6700e-003	0.0231	1.7900e-003	0.0249	6.7600e-003	1.7100e-003	8.4700e-003	0.0000	164.3511	164.3511	0.0114	0.0000	164.6363
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	9.3000e-004	1.0000e-005	9.4000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	**0.0188**	**0.5973**	**0.1448**	**1.6900e-003**	**0.0241**	**1.8000e-003**	**0.0259**	**7.0200e-003**	**1.7200e-003**	**8.7400e-003**	**0.0000**	**165.8344**	**165.8344**	**0.0115**	**0.0000**	**166.1207**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2006	1.8391	1.7487	2.8400e-003		0.1011	0.1011		0.0951	0.0951	0.0000	244.3773	244.3773	0.0590	0.0000	245.8513
Total	**0.2006**	**1.8391**	**1.7487**	**2.8400e-003**		**0.1011**	**0.1011**		**0.0951**	**0.0951**	**0.0000**	**244.3773**	**244.3773**	**0.0590**	**0.0000**	**245.8513**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0442	1.4056	0.3811	3.6200e-003	0.0897	2.8700e-003	0.0926	0.0259	2.7400e-003	0.0286	0.0000	351.0728	351.0728	0.0215	0.0000	351.6111
Worker	0.1398	0.1089	1.2288	3.5600e-003	0.3561	2.9300e-003	0.3590	0.0946	2.7000e-003	0.0973	0.0000	321.3387	321.3387	9.4600e-003	0.0000	321.5751
Total	**0.1840**	**1.5144**	**1.6099**	**7.1800e-003**	**0.4458**	**5.8000e-003**	**0.4516**	**0.1205**	**5.4400e-003**	**0.1259**	**0.0000**	**672.4115**	**672.4115**	**0.0310**	**0.0000**	**673.1862**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2006	1.8391	1.7487	2.8400e-003		0.1011	0.1011		0.0951	0.0951	0.0000	244.3770	244.3770	0.0590	0.0000	245.8510
Total	**0.2006**	**1.8391**	**1.7487**	**2.8400e-003**		**0.1011**	**0.1011**		**0.0951**	**0.0951**	**0.0000**	**244.3770**	**244.3770**	**0.0590**	**0.0000**	**245.8510**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0442	1.4056	0.3811	3.6200e-003	0.0580	2.8700e-003	0.0608	0.0181	2.7400e-003	0.0208	0.0000	351.0728	351.0728	0.0215	0.0000	351.6111
Worker	0.1398	0.1089	1.2288	3.5600e-003	0.2018	2.9300e-003	0.2047	0.0567	2.7000e-003	0.0594	0.0000	321.3387	321.3387	9.4600e-003	0.0000	321.5751
Total	**0.1840**	**1.5144**	**1.6099**	**7.1800e-003**	**0.2597**	**5.8000e-003**	**0.2655**	**0.0748**	**5.4400e-003**	**0.0802**	**0.0000**	**672.4115**	**672.4115**	**0.0310**	**0.0000**	**673.1862**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0162	0.1484	0.1555	2.6000e-004		7.6900e-003	7.6900e-003		7.2300e-003	7.2300e-003	0.0000	22.0139	22.0139	5.2700e-003	0.0000	22.1458
Total	**0.0162**	**0.1484**	**0.1555**	**2.6000e-004**		**7.6900e-003**	**7.6900e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.0139**	**22.0139**	**5.2700e-003**	**0.0000**	**22.1458**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7400e-003	0.1203	0.0325	3.2000e-004	8.0800e-003	2.3000e-004	8.3000e-003	2.3300e-003	2.2000e-004	2.5500e-003	0.0000	31.3355	31.3355	1.8700e-003	0.0000	31.3823
Worker	0.0118	8.8500e-003	0.1020	3.1000e-004	0.0321	2.6000e-004	0.0323	8.5200e-003	2.4000e-004	8.7500e-003	0.0000	27.9186	27.9186	7.7000e-004	0.0000	27.9378
Total	**0.0156**	**0.1291**	**0.1344**	**6.3000e-004**	**0.0401**	**4.9000e-004**	**0.0406**	**0.0109**	**4.6000e-004**	**0.0113**	**0.0000**	**59.2541**	**59.2541**	**2.6400e-003**	**0.0000**	**59.3201**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0162	0.1484	0.1555	2.6000e-004		7.6900e-003	7.6900e-003		7.2300e-003	7.2300e-003	0.0000	22.0139	22.0139	5.2700e-003	0.0000	22.1457
Total	**0.0162**	**0.1484**	**0.1555**	**2.6000e-004**		**7.6900e-003**	**7.6900e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.0139**	**22.0139**	**5.2700e-003**	**0.0000**	**22.1457**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7400e-003	0.1203	0.0325	3.2000e-004	5.2200e-003	2.3000e-004	5.4500e-003	1.6300e-003	2.2000e-004	1.8500e-003	0.0000	31.3355	31.3355	1.8700e-003	0.0000	31.3823
Worker	0.0118	8.8500e-003	0.1020	3.1000e-004	0.0182	2.6000e-004	0.0184	5.1100e-003	2.4000e-004	5.3400e-003	0.0000	27.9186	27.9186	7.7000e-004	0.0000	27.9378
Total	**0.0156**	**0.1291**	**0.1344**	**6.3000e-004**	**0.0234**	**4.9000e-004**	**0.0239**	**6.7400e-003**	**4.6000e-004**	**7.1900e-003**	**0.0000**	**59.2541**	**59.2541**	**2.6400e-003**	**0.0000**	**59.3201**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0276**	**20.0276**	**6.4800e-003**	**0.0000**	**20.1895**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	**6.1000e-004**	**4.5000e-004**	**5.2300e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.4312**	**1.4312**	**4.0000e-005**	**0.0000**	**1.4322**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0275**	**20.0275**	**6.4800e-003**	**0.0000**	**20.1895**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	9.3000e-004	1.0000e-005	9.4000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	**6.1000e-004**	**4.5000e-004**	**5.2300e-003**	**2.0000e-005**	**9.3000e-004**	**1.0000e-005**	**9.4000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**1.4312**	**1.4312**	**4.0000e-005**	**0.0000**	**1.4322**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6549					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**0.6570**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.8800e-003	0.0216	7.0000e-005	6.7900e-003	5.0000e-005	6.8500e-003	1.8000e-003	5.0000e-005	1.8500e-003	0.0000	5.9158	5.9158	1.6000e-004	0.0000	5.9198
Total	**2.5000e-003**	**1.8800e-003**	**0.0216**	**7.0000e-005**	**6.7900e-003**	**5.0000e-005**	**6.8500e-003**	**1.8000e-003**	**5.0000e-005**	**1.8500e-003**	**0.0000**	**5.9158**	**5.9158**	**1.6000e-004**	**0.0000**	**5.9198**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6549					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**0.6570**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.8800e-003	0.0216	7.0000e-005	3.8500e-003	5.0000e-005	3.9000e-003	1.0800e-003	5.0000e-005	1.1300e-003	0.0000	5.9158	5.9158	1.6000e-004	0.0000	5.9198
Total	**2.5000e-003**	**1.8800e-003**	**0.0216**	**7.0000e-005**	**3.8500e-003**	**5.0000e-005**	**3.9000e-003**	**1.0800e-003**	**5.0000e-005**	**1.1300e-003**	**0.0000**	**5.9158**	**5.9158**	**1.6000e-004**	**0.0000**	**5.9198**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0122	13.9140	44.1792	0.1705	14.6733	0.1285	14.8017	3.9331	0.1195	4.0526	0.0000	15,762.5023	15,762.5023	0.7622	0.0000	15,781.5564
Unmitigated	3.0122	13.9140	44.1792	0.1705	14.6733	0.1285	14.8017	3.9331	0.1195	4.0526	0.0000	15,762.5023	15,762.5023	0.7622	0.0000	15,781.5564

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	9,972.24	9,972.24	9972.24	38,660,796	38,660,796
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Library	0.00	0.00	0.00		
Total	9,972.24	9,972.24	9,972.24	38,660,796	38,660,796

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Light Industry	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Hospital	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Unrefrigerated Warehouse-No Rail	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Library	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Olive View-UCLA Medical Center - Tier 1B - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,132.4703	4,132.4703	0.1437	0.0297	4,144.9223
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,132.4703	4,132.4703	0.1437	0.0297	4,144.9223
NaturalGas Mitigated	0.1185	1.0776	0.9052	6.4700e-003		0.0819	0.0819		0.0819	0.0819	0.0000	1,173.1108	1,173.1108	0.0225	0.0215	1,180.0821
NaturalGas Unmitigated	0.1185	1.0776	0.9052	6.4700e-003		0.0819	0.0819		0.0819	0.0819	0.0000	1,173.1108	1,173.1108	0.0225	0.0215	1,180.0821

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	1.3937e+006	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3731	74.3731	1.4300e-003	1.3600e-003	74.8151
General Office Building	999360	5.3900e-003	0.0490	0.0412	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.3297	53.3297	1.0200e-003	9.8000e-004	53.6466
Hospital	1.9169e+007	0.1034	0.9397	0.7893	5.6400e-003		0.0714	0.0714		0.0714	0.0714	0.0000	1,022.9287	1,022.9287	0.0196	0.0188	1,029.0075
Library	362000	1.9500e-003	0.0178	0.0149	1.1000e-004		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	19.3177	19.3177	3.7000e-004	3.5000e-004	19.4325
Unrefrigerated Warehouse-No Rail	59247	3.2000e-004	2.9000e-003	2.4400e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1617	3.1617	6.0000e-005	6.0000e-005	3.1804
Total		**0.1185**	**1.0776**	**0.9052**	**6.4700e-003**		**0.0819**	**0.0819**		**0.0819**	**0.0819**	**0.0000**	**1,173.1109**	**1,173.1109**	**0.0225**	**0.0215**	**1,180.0821**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	1.3937e+006	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3731	74.3731	1.4300e-003	1.3600e-003	74.8151
General Office Building	999360	5.3900e-003	0.0490	0.0412	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.3297	53.3297	1.0200e-003	9.8000e-004	53.6466
Hospital	1.9169e+007	0.1034	0.9397	0.7893	5.6400e-003		0.0714	0.0714		0.0714	0.0714	0.0000	1,022.9287	1,022.9287	0.0196	0.0188	1,029.0075
Library	362000	1.9500e-003	0.0178	0.0149	1.1000e-004		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	19.3177	19.3177	3.7000e-004	3.5000e-004	19.4325
Unrefrigerated Warehouse-No Rail	59247	3.2000e-004	2.9000e-003	2.4400e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1617	3.1617	6.0000e-005	6.0000e-005	3.1804
Total		**0.1185**	**1.0776**	**0.9052**	**6.4700e-003**		**0.0819**	**0.0819**		**0.0819**	**0.0819**	**0.0000**	**1,173.1109**	**1,173.1109**	**0.0225**	**0.0215**	**1,180.0821**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.57986e+006	597.6533	0.0208	4.3000e-003	599.4541
General Light Industry	854700	323.3296	0.0112	2.3300e-003	324.3039
General Office Building	1.24704e+006	471.7503	0.0164	3.3900e-003	473.1718
Hospital	6.75472e+006	2,555.2838	0.0889	0.0184	2,562.9834
Library	222000	83.9817	2.9200e-003	6.0000e-004	84.2348
Unrefrigerated Warehouse-No Rail	265590	100.4716	3.4900e-003	7.2000e-004	100.7744
Total		**4,132.4703**	**0.1437**	**0.0297**	**4,144.9223**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.57986e+006	597.6533	0.0208	4.3000e-003	599.4541
General Light Industry	854700	323.3296	0.0112	2.3300e-003	324.3039
General Office Building	1.24704e+006	471.7503	0.0164	3.3900e-003	473.1718
Hospital	6.75472e+006	2,555.2838	0.0889	0.0184	2,562.9834
Library	222000	83.9817	2.9200e-003	6.0000e-004	84.2348
Unrefrigerated Warehouse-No Rail	265590	100.4716	3.4900e-003	7.2000e-004	100.7744
Total		**4,132.4703**	**0.1437**	**0.0297**	**4,144.9223**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1003	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326
Unmitigated	2.1003	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0305					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326
Total	**2.1003**	**1.4000e-004**	**0.0157**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0306**	**0.0306**	**8.0000e-005**	**0.0000**	**0.0326**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0305					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0306	0.0306	8.0000e-005	0.0000	0.0326
Total	**2.1003**	**1.4000e-004**	**0.0157**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0306**	**0.0306**	**8.0000e-005**	**0.0000**	**0.0326**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	541.2056	2.8979	0.0717	635.0174
Unmitigated	541.2056	2.8979	0.0717	635.0174

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	17.8062 / 0	93.3590	0.5833	0.0143	112.2114
General Office Building	17.0624 / 10.4576	133.4112	0.5604	0.0141	151.6085
Hospital	37.1422 / 7.07471	224.4726	1.2177	0.0301	263.8865
Library	0.625778 / 0.978781	7.3947	0.0206	5.3000e-004	8.0696
Unrefrigerated Warehouse-No Rail	15.7481 / 0	82.5682	0.5159	0.0127	99.2415
Total		**541.2056**	**2.8979**	**0.0717**	**635.0174**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	17.8062 / 0	93.3590	0.5833	0.0143	112.2114
General Office Building	17.0624 / 10.4576	133.4112	0.5604	0.0141	151.6085
Hospital	37.1422 / 7.07471	224.4726	1.2177	0.0301	263.8865
Library	0.625778 / 0.978781	7.3947	0.0206	5.3000e-004	8.0696
Unrefrigerated Warehouse-No Rail	15.7481 / 0	82.5682	0.5159	0.0127	99.2415
Total		**541.2056**	**2.8979**	**0.0717**	**635.0174**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	703.1587	41.5555	0.0000	1,742.0458
Unmitigated	703.1587	41.5555	0.0000	1,742.0458

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	95.48	19.3816	1.1454	0.0000	48.0170
General Office Building	89.28	18.1230	1.0710	0.0000	44.8991
Hospital	3196.8	648.9215	38.3502	0.0000	1,607.6756
Library	18.42	3.7391	0.2210	0.0000	9.2635
Unrefrigerated Warehouse-No Rail	64.01	12.9935	0.7679	0.0000	32.1907
Total		**703.1587**	**41.5555**	**0.0000**	**1,742.0458**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	95.48	19.3816	1.1454	0.0000	48.0170
General Office Building	89.28	18.1230	1.0710	0.0000	44.8991
Hospital	3196.8	648.9215	38.3502	0.0000	1,607.6756
Library	18.42	3.7391	0.2210	0.0000	9.2635
Unrefrigerated Warehouse-No Rail	64.01	12.9935	0.7679	0.0000	32.1907
Total		**703.1587**	**41.5555**	**0.0000**	**1,742.0458**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7977	57.8333	13.5603	0.1682	2.3446	0.1775	2.5221	0.6836	0.1698	0.8534		18,249.3816	18,249.3816	1.2385		18,280.3433
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.1137	1.6300e-003	0.1154	0.0319	1.5000e-003	0.0334		204.9786	204.9786	6.0400e-003		205.1296
Total	**1.8748**	**57.8863**	**14.2852**	**0.1703**	**2.4584**	**0.1791**	**2.6375**	**0.7154**	**0.1713**	**0.8868**		**18,454.3602**	**18,454.3602**	**1.2445**		**18,485.4729**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4823	0.0000	6.4823	3.3684	0.0000	3.3684			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.4823**	**1.1599**	**7.6422**	**3.3684**	**1.0671**	**4.4355**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7977	57.8333	13.5603	0.1682	3.7699	0.1775	3.9474	1.0334	0.1698	1.2032		18,249.3816	18,249.3816	1.2385		18,280.3433
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**1.8620**	**57.8775**	**14.1644**	**0.1699**	**3.9375**	**0.1789**	**4.1164**	**1.0779**	**0.1711**	**1.2489**		**18,420.1971**	**18,420.1971**	**1.2435**		**18,451.2846**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5281	0.0000	2.5281	1.3137	0.0000	1.3137			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**2.5281**	**1.1599**	**3.6880**	**1.3137**	**1.0671**	**2.3808**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7977	57.8333	13.5603	0.1682	2.3446	0.1775	2.5221	0.6836	0.1698	0.8534		18,249.3816	18,249.3816	1.2385		18,280.3433
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.0948	1.3500e-003	0.0961	0.0266	1.2500e-003	0.0278		170.8155	170.8155	5.0300e-003		170.9413
Total	**1.8620**	**57.8775**	**14.1644**	**0.1699**	**2.4394**	**0.1789**	**2.6183**	**0.7101**	**0.1711**	**0.8812**		**18,420.1971**	**18,420.1971**	**1.2435**		**18,451.2846**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4104	13.1071	3.4265	0.0347	0.8643	0.0268	0.8911	0.2488	0.0256	0.2745		3,710.8885	3,710.8885	0.2186		3,716.3540
Worker	1.3203	0.9075	12.4054	0.0352	3.4427	0.0278	3.4705	0.9130	0.0256	0.9387		3,507.4112	3,507.4112	0.1034		3,509.9948
Total	**1.7306**	**14.0146**	**15.8320**	**0.0699**	**4.3070**	**0.0546**	**4.3616**	**1.1619**	**0.0513**	**1.2131**		**7,218.2997**	**7,218.2997**	**0.3220**		**7,226.3488**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4104	13.1071	3.4265	0.0347	0.5564	0.0268	0.5832	0.1733	0.0256	0.1989		3,710.8885	3,710.8885	0.2186		3,716.3540
Worker	1.3203	0.9075	12.4054	0.0352	1.9462	0.0278	1.9740	0.5457	0.0256	0.5713		3,507.4112	3,507.4112	0.1034		3,509.9948
Total	**1.7306**	**14.0146**	**15.8320**	**0.0699**	**2.5026**	**0.0546**	**2.5572**	**0.7190**	**0.0513**	**0.7702**		**7,218.2997**	**7,218.2997**	**0.3220**		**7,226.3488**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3851	12.4646	3.2420	0.0344	0.8643	0.0234	0.8877	0.2489	0.0224	0.2713		3,678.5595	3,678.5595	0.2111		3,683.8370
Worker	1.2367	0.8197	11.4454	0.0340	3.4427	0.0270	3.4697	0.9130	0.0248	0.9379		3,384.0339	3,384.0339	0.0934		3,386.3690
Total	**1.6218**	**13.2843**	**14.6874**	**0.0683**	**4.3070**	**0.0504**	**4.3574**	**1.1619**	**0.0472**	**1.2091**		**7,062.5934**	**7,062.5934**	**0.3045**		**7,070.2059**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3851	12.4646	3.2420	0.0344	0.5564	0.0234	0.5799	0.1733	0.0224	0.1957		3,678.5595	3,678.5595	0.2111		3,683.8370
Worker	1.2367	0.8197	11.4454	0.0340	1.9462	0.0270	1.9732	0.5457	0.0248	0.5705		3,384.0339	3,384.0339	0.0934		3,386.3690
Total	**1.6218**	**13.2843**	**14.6874**	**0.0683**	**2.5026**	**0.0504**	**2.5530**	**0.7190**	**0.0472**	**0.7662**		**7,062.5934**	**7,062.5934**	**0.3045**		**7,070.2059**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.0602**	**0.0399**	**0.5574**	**1.6500e-003**	**0.1677**	**1.3100e-003**	**0.1690**	**0.0445**	**1.2100e-003**	**0.0457**		**164.8069**	**164.8069**	**4.5500e-003**		**164.9206**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.0948	1.3100e-003	0.0961	0.0266	1.2100e-003	0.0278		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.0602**	**0.0399**	**0.5574**	**1.6500e-003**	**0.0948**	**1.3100e-003**	**0.0961**	**0.0266**	**1.2100e-003**	**0.0278**		**164.8069**	**164.8069**	**4.5500e-003**		**164.9206**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	65.4912					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**65.6957**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2489	0.1650	2.3039	6.8400e-003	0.6930	5.4200e-003	0.6984	0.1838	5.0000e-003	0.1888		681.2016	681.2016	0.0188		681.6717
Total	**0.2489**	**0.1650**	**2.3039**	**6.8400e-003**	**0.6930**	**5.4200e-003**	**0.6984**	**0.1838**	**5.0000e-003**	**0.1888**		**681.2016**	**681.2016**	**0.0188**		**681.6717**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	65.4912					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**65.6957**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2489	0.1650	2.3039	6.8400e-003	0.3918	5.4200e-003	0.3972	0.1099	5.0000e-003	0.1149		681.2016	681.2016	0.0188		681.6717
Total	**0.2489**	**0.1650**	**2.3039**	**6.8400e-003**	**0.3918**	**5.4200e-003**	**0.3972**	**0.1099**	**5.0000e-003**	**0.1149**		**681.2016**	**681.2016**	**0.0188**		**681.6717**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.4418	73.0423	253.6076	0.9711	82.2093	0.7056	82.9150	21.9997	0.6564	22.6560		98,883.0293	98,883.0293	4.6583		98,999.4879
Unmitigated	17.4418	73.0423	253.6076	0.9711	82.2093	0.7056	82.9150	21.9997	0.6564	22.6560		98,883.0293	98,883.0293	4.6583		98,999.4879

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	9,972.24	9,972.24	9972.24	38,660,796	38,660,796
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Library	0.00	0.00	0.00		
Total	9,972.24	9,972.24	9,972.24	38,660,796	38,660,796

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Light Industry	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Hospital	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Unrefrigerated Warehouse-No Rail	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Library	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Olive View-UCLA Medical Center - Tier 1B - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.6495	5.9047	4.9600	0.0354		0.4488	0.4488		0.4488	0.4488		7,085.6622	7,085.6622	0.1358	0.1299	7,127.7688
NaturalGas Unmitigated	0.6495	5.9047	4.9600	0.0354		0.4488	0.4488		0.4488	0.4488		7,085.6622	7,085.6622	0.1358	0.1299	7,127.7688

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	3818.36	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.2184	449.2184	8.6100e-003	8.2400e-003	451.8879
General Office Building	2737.97	0.0295	0.2684	0.2255	1.6100e-003		0.0204	0.0204		0.0204	0.0204		322.1144	322.1144	6.1700e-003	5.9100e-003	324.0286
Hospital	52517.7	0.5664	5.1488	4.3250	0.0309		0.3913	0.3913		0.3913	0.3913		6,178.5528	6,178.5528	0.1184	0.1133	6,215.2688
Library	991.781	0.0107	0.0972	0.0817	5.8000e-004		7.3900e-003	7.3900e-003		7.3900e-003	7.3900e-003		116.6801	116.6801	2.2400e-003	2.1400e-003	117.3735
Unrefrigerated Warehouse-No Rail	162.321	1.7500e-003	0.0159	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.0965	19.0965	3.7000e-004	3.5000e-004	19.2100
Total		**0.6495**	**5.9047**	**4.9600**	**0.0354**		**0.4488**	**0.4488**		**0.4488**	**0.4488**		**7,085.6622**	**7,085.6622**	**0.1358**	**0.1299**	**7,127.7688**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	3.81836	0.0412	0.3744	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.2184	449.2184	8.6100e-003	8.2400e-003	451.8879
General Office Building	2.73797	0.0295	0.2684	0.2255	1.6100e-003		0.0204	0.0204		0.0204	0.0204		322.1144	322.1144	6.1700e-003	5.9100e-003	324.0286
Hospital	52.5177	0.5664	5.1488	4.3250	0.0309		0.3913	0.3913		0.3913	0.3913		6,178.5528	6,178.5528	0.1184	0.1133	6,215.2688
Library	0.991781	0.0107	0.0972	0.0817	5.8000e-004		7.3900e-003	7.3900e-003		7.3900e-003	7.3900e-003		116.6801	116.6801	2.2400e-003	2.1400e-003	117.3735
Unrefrigerated Warehouse-No Rail	0.162321	1.7500e-003	0.0159	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.0965	19.0965	3.7000e-004	3.5000e-004	19.2100
Total		**0.6495**	**5.9047**	**4.9600**	**0.0354**		**0.4488**	**0.4488**		**0.4488**	**0.4488**		**7,085.6622**	**7,085.6622**	**0.1358**	**0.1299**	**7,127.7688**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.5120	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871
Unmitigated	11.5120	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3743					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.1261					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0116	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871
Total	**11.5120**	**1.1400e-003**	**0.1257**	**1.0000e-005**		**4.5000e-004**	**4.5000e-004**		**4.5000e-004**	**4.5000e-004**		**0.2694**	**0.2694**	**7.1000e-004**		**0.2871**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3743					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.1261					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0116	1.1400e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2694	0.2694	7.1000e-004		0.2871
Total	**11.5120**	**1.1400e-003**	**0.1257**	**1.0000e-005**		**4.5000e-004**	**4.5000e-004**		**4.5000e-004**	**4.5000e-004**		**0.2694**	**0.2694**	**7.1000e-004**		**0.2871**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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** Lakes Environmental AERMOD MPI
**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.5
** Lakes Environmental Software Inc.
** Date: 4/3/2019
** File: C:\project_files\Olive_View\AERMOD\OVMC_Construction_Elev\OVMC_Construction_Elev.ADI
**
**************************************
**
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** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Olive View UCLA Medical Center: Construction DPM concentration
   TITLETWO ELEV Option
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 9818605
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL OVMC_Construction_Elev.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION T1A_1        AREAPOLY   367101.744  3799472.640      454.190
** DESCRSRC Tier 1A: Residential Treatment 1
   LOCATION T1A_2        AREAPOLY   367103.122  3799454.497      451.180
** DESCRSRC Tier 1A: Residential Treatment 2
   LOCATION T1A_3        AREAPOLY   367113.451  3799413.347      449.420
** DESCRSRC Tier 1A: Residential Treatment 3
   LOCATION T1A_4        AREAPOLY   367124.440  3799457.687      450.470
** DESCRSRC Tier 1A: Residential Treatment 4
   LOCATION T1A_5        AREAPOLY   367135.919  3799436.298      449.780
** DESCRSRC Tier 1A: Residential Treatment 5
   LOCATION T1A_6        AREAPOLY   367133.070  3799379.087      449.440
** DESCRSRC Tier 1A: Recuperative Care Center
   LOCATION T1A_7        AREAPOLY   366994.462  3799413.385      450.020
** DESCRSRC Tier 1A: Psych Urgent Care
   LOCATION T1A_8        AREAPOLY   366934.668  3799405.359      449.270
** DESCRSRC Tier 1A: Mental Health Wellness Center
   LOCATION T1B_UM_1     AREAPOLY   366920.768  3799460.598      451.580
** DESCRSRC Tier 1B - Unmitigated: Administration
   LOCATION T1B_UM_2     AREAPOLY   366819.539  3799439.778      449.270
** DESCRSRC Tier 1B - Unmitigated: Central Plant East
   LOCATION T1B_UM_3     AREAPOLY   366574.399  3799321.960      449.150
** DESCRSRC Tier 1B - Unmitigated: Material Management
   LOCATION T1B_UM_4     AREAPOLY   366781.937  3799356.625      445.400
** DESCRSRC Tier 1B - Unmitigated: Parking Structure
   LOCATION T1B_UM_5     AREAPOLY   366778.172  3799284.843      444.020
** DESCRSRC Tier 1B - Unmitigated: Ambulatory Care Center
   LOCATION T1B_UM_6     AREAPOLY   366885.524  3799153.037      441.290
** DESCRSRC Tier 1B - Unmitigated: Community Center
   LOCATION T1B_M_1      AREAPOLY   366920.768  3799460.598      451.580
** DESCRSRC Tier 1B - Mitigated: Administration
   LOCATION T1B_M_2      AREAPOLY   366819.539  3799439.778      449.270
** DESCRSRC Tier 1B - Mitigated: Central Plant East
   LOCATION T1B_M_3      AREAPOLY   366574.399  3799321.960      449.150
** DESCRSRC Tier 1B - Mitigated: Material Management
   LOCATION T1B_M_4      AREAPOLY   366781.937  3799356.625      445.400
** DESCRSRC Tier 1B - Mitigated: Parking Structure
   LOCATION T1B_M_5      AREAPOLY   366778.172  3799284.843      444.020
** DESCRSRC Tier 1B - Mitigated: Ambulatory Care Center
   LOCATION T1B_M_6      AREAPOLY   366885.524  3799153.037      441.290
** DESCRSRC Tier 1B - Mitigated: Community Center
** Source Parameters **
   SRCPARAM T1A_1        4.409E-06     2.550         9     2.370
   AREAVERT T1A_1        367101.744 3799472.640 367117.016 3799477.807
   AREAVERT T1A_1        367117.131 3799481.023 367126.088 3799483.664
   AREAVERT T1A_1        367126.662 3799481.712 367130.222 3799482.056
   AREAVERT T1A_1        367134.011 3799469.539 367134.011 3799469.425
   AREAVERT T1A_1        367105.993 3799460.353
   SRCPARAM T1A_2        4.409E-06     2.550         8     2.370
   AREAVERT T1A_2        367103.122 3799454.497 367113.457 3799458.056
   AREAVERT T1A_2        367123.102 3799428.889 367112.653 3799425.444
   AREAVERT T1A_2        367111.619 3799428.430 367108.978 3799427.167
   AREAVERT T1A_2        367105.763 3799436.813 367108.519 3799437.846
   SRCPARAM T1A_3        4.409E-06     2.550         9     2.370
   AREAVERT T1A_3        367113.451 3799413.347 367117.160 3799414.421
   AREAVERT T1A_3        367116.477 3799416.861 367127.604 3799420.277
   AREAVERT T1A_3        367135.900 3799393.533 367135.900 3799393.337
   AREAVERT T1A_3        367124.871 3799389.921 367119.990 3799405.343
   AREAVERT T1A_3        367117.257 3799404.367
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SRCPARAM T1A_4        4.409E-06     2.550         8     2.370
AREAVERT T1A_4        367124.440 3799457.687 367153.147 3799467.643
AREAVERT T1A_4        367157.130 3799456.774 367141.615 3799451.381
AREAVERT T1A_4        367142.361 3799447.979 367132.156 3799444.163
AREAVERT T1A_4        367131.161 3799447.233 367128.672 3799446.652
SRCPARAM T1A_5        4.409E-06     2.550         8     2.370
AREAVERT T1A_5        367135.919 3799436.298 367145.651 3799439.471
AREAVERT T1A_5        367146.568 3799437.073 367149.389 3799437.849
AREAVERT T1A_5        367152.069 3799429.598 367149.459 3799428.328
AREAVERT T1A_5        367154.537 3799413.307 367144.875 3799410.063
SRCPARAM T1A_6        4.409E-06     2.550        18     2.370
AREAVERT T1A_6        367133.070 3799379.087 367143.026 3799382.210
AREAVERT T1A_6        367147.906 3799367.667 367143.611 3799366.593
AREAVERT T1A_6        367145.856 3799359.566 367149.565 3799360.737
AREAVERT T1A_6        367161.376 3799330.674 367157.471 3799329.503
AREAVERT T1A_6        367158.447 3799326.477 367154.153 3799324.525
AREAVERT T1A_6        367153.274 3799326.867 367149.175 3799325.598
AREAVERT T1A_6        367138.145 3799357.223 367135.315 3799356.345
AREAVERT T1A_6        367132.777 3799363.763 367134.534 3799364.348
AREAVERT T1A_6        367131.118 3799374.987 367133.753 3799375.866
SRCPARAM T1A_7        4.409E-06     2.550         9     2.370
AREAVERT T1A_7        366994.462 3799413.385 367014.100 3799413.271
AREAVERT T1A_7        367016.053 3799408.677 367016.627 3799395.814
AREAVERT T1A_7        367010.655 3799395.240 367008.703 3799377.899
AREAVERT T1A_7        366987.916 3799379.506 366989.064 3799402.131
AREAVERT T1A_7        366993.888 3799402.705
SRCPARAM T1A_8        4.409E-06     2.550         4     2.370
AREAVERT T1A_8        366934.668 3799405.359 366971.132 3799401.692
AREAVERT T1A_8        366969.016 3799380.604 366932.482 3799384.412
SRCPARAM T1B_UM_1     1.6336E-06     2.550        22     2.370
AREAVERT T1B_UM_1     366920.768 3799460.598 366937.600 3799463.965
AREAVERT T1B_UM_1     366948.260 3799466.022 366957.798 3799468.079
AREAVERT T1B_UM_1     366961.725 3799468.827 366971.076 3799472.007
AREAVERT T1B_UM_1     366985.290 3799476.308 366997.259 3799480.235
AREAVERT T1B_UM_1     367003.805 3799482.480 367015.213 3799456.671
AREAVERT T1B_UM_1     367003.057 3799451.995 366997.259 3799449.751
AREAVERT T1B_UM_1     366994.454 3799448.442 366980.801 3799444.328
AREAVERT T1B_UM_1     366971.824 3799441.709 366960.790 3799439.278
AREAVERT T1B_UM_1     366945.080 3799435.725 366938.161 3799433.855
AREAVERT T1B_UM_1     366930.306 3799432.171 366925.069 3799430.862
AREAVERT T1B_UM_1     366921.703 3799455.362 366920.394 3799461.346
SRCPARAM T1B_UM_2     1.6336E-06     2.550        18     2.370
AREAVERT T1B_UM_2     366819.539 3799439.778 366828.704 3799442.770
AREAVERT T1B_UM_2     366840.112 3799445.950 366849.277 3799448.568
AREAVERT T1B_UM_2     366857.319 3799450.813 366866.109 3799453.057
AREAVERT T1B_UM_2     366874.152 3799454.740 366881.072 3799456.610
AREAVERT T1B_UM_2     366889.675 3799458.855 366896.034 3799426.686
AREAVERT T1B_UM_2     366888.740 3799424.816 366875.087 3799422.010
AREAVERT T1B_UM_2     366864.800 3799419.766 366859.563 3799418.831
AREAVERT T1B_UM_2     366855.636 3799417.709 366846.845 3799414.903
AREAVERT T1B_UM_2     366840.299 3799412.659 366830.387 3799409.666
SRCPARAM T1B_UM_3     1.6336E-06     2.550        23     2.370
AREAVERT T1B_UM_3     366574.399 3799321.960 366582.189 3799324.185
AREAVERT T1B_UM_3     366590.297 3799326.411 366596.179 3799328.001
AREAVERT T1B_UM_3     366602.220 3799329.750 366604.287 3799330.386
AREAVERT T1B_UM_3     366611.759 3799333.406 366623.842 3799338.176
AREAVERT T1B_UM_3     366636.560 3799343.263 366646.576 3799347.397
AREAVERT T1B_UM_3     366654.048 3799350.894 366661.361 3799354.233
AREAVERT T1B_UM_3     366674.875 3799328.796 366666.767 3799325.139
AREAVERT T1B_UM_3     366650.869 3799317.667 366642.443 3799314.011
AREAVERT T1B_UM_3     366637.673 3799311.944 366629.724 3799308.128
AREAVERT T1B_UM_3     366626.068 3799306.538 366622.888 3799305.426
AREAVERT T1B_UM_3     366610.805 3799301.928 366590.615 3799296.046
AREAVERT T1B_UM_3     366578.691 3799292.389
SRCPARAM T1B_UM_4     1.6336E-06     2.550        20     2.370
AREAVERT T1B_UM_4     366781.937 3799356.625 366803.447 3799365.603
AREAVERT T1B_UM_4     366818.224 3799371.775 366827.389 3799375.703
AREAVERT T1B_UM_4     366831.317 3799377.200 366834.684 3799378.322
AREAVERT T1B_UM_4     366846.468 3799381.315 366865.172 3799386.365
AREAVERT T1B_UM_4     366879.575 3799390.106 366889.675 3799392.538
AREAVERT T1B_UM_4     366901.459 3799395.530 366903.330 3799359.804
AREAVERT T1B_UM_4     366885.560 3799356.064 366865.546 3799351.949
AREAVERT T1B_UM_4     366858.252 3799349.891 366845.907 3799346.337
AREAVERT T1B_UM_4     366827.389 3799340.165 366821.029 3799338.481
AREAVERT T1B_UM_4     366807.749 3799331.748 366793.908 3799325.388
SRCPARAM T1B_UM_5     1.6336E-06     2.550        45     2.370
AREAVERT T1B_UM_5     366778.172 3799284.843 366791.452 3799294.195
AREAVERT T1B_UM_5     366802.863 3799302.425 366810.719 3799307.476
AREAVERT T1B_UM_5     366819.884 3799313.274 366822.877 3799315.145
AREAVERT T1B_UM_5     366824.561 3799312.900 366839.151 3799317.390
AREAVERT T1B_UM_5     366852.431 3799322.253 366861.410 3799324.872
AREAVERT T1B_UM_5     366869.827 3799327.677 366877.870 3799330.109
AREAVERT T1B_UM_5     366886.100 3799331.793 366907.611 3799334.972
AREAVERT T1B_UM_5     366909.295 3799302.987 366887.036 3799299.058
AREAVERT T1B_UM_5     366887.784 3799290.080 366892.273 3799289.145
AREAVERT T1B_UM_5     366895.453 3799292.138 366904.432 3799289.332
AREAVERT T1B_UM_5     366908.547 3799287.835 366916.216 3799282.785
AREAVERT T1B_UM_5     366918.647 3799281.289 366917.899 3799276.986
AREAVERT T1B_UM_5     366926.691 3799267.821 366928.187 3799220.497
AREAVERT T1B_UM_5     366925.007 3799219.936 366923.511 3799239.576
AREAVERT T1B_UM_5     366922.950 3799245.936 366915.468 3799260.152
AREAVERT T1B_UM_5     366908.734 3799266.886 366905.180 3799264.267
AREAVERT T1B_UM_5     366890.403 3799272.497 366890.029 3799276.238
AREAVERT T1B_UM_5     366878.993 3799277.922 366870.201 3799276.612
AREAVERT T1B_UM_5     366862.906 3799275.864 366859.913 3799275.303
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AREAVERT T1B_UM_5     366839.712 3799267.073 366827.179 3799262.022
AREAVERT T1B_UM_5     366820.819 3799275.490 366809.596 3799268.382
AREAVERT T1B_UM_5     366806.042 3799265.389 366793.323 3799254.166
AREAVERT T1B_UM_5     366779.294 3799282.411
SRCPARAM T1B_UM_6     1.6336E-06     2.550        24     2.370
AREAVERT T1B_UM_6     366885.524 3799153.037 366886.955 3799159.556
AREAVERT T1B_UM_6     366899.676 3799159.556 366902.379 3799113.922
AREAVERT T1B_UM_6     366899.199 3799113.922 366897.768 3799108.993
AREAVERT T1B_UM_6     366895.542 3799106.131 366893.475 3799103.746
AREAVERT T1B_UM_6     366889.659 3799102.315 366887.750 3799101.997
AREAVERT T1B_UM_6     366886.001 3799102.156 366882.980 3799102.315
AREAVERT T1B_UM_6     366879.323 3799105.336 366876.938 3799109.788
AREAVERT T1B_UM_6     366875.507 3799114.876 366875.825 3799118.533
AREAVERT T1B_UM_6     366862.787 3799143.656 366864.377 3799144.928
AREAVERT T1B_UM_6     366867.716 3799148.426 366870.260 3799149.698
AREAVERT T1B_UM_6     366873.599 3799151.129 366874.871 3799151.765
AREAVERT T1B_UM_6     366879.800 3799152.083 366882.662 3799152.719
SRCPARAM T1B_M_1      4.962E-08     2.550        22     2.370
AREAVERT T1B_M_1      366920.768 3799460.598 366937.600 3799463.965
AREAVERT T1B_M_1      366948.260 3799466.022 366957.798 3799468.079
AREAVERT T1B_M_1      366961.725 3799468.827 366971.076 3799472.007
AREAVERT T1B_M_1      366985.290 3799476.308 366997.259 3799480.235
AREAVERT T1B_M_1      367003.805 3799482.480 367015.213 3799456.671
AREAVERT T1B_M_1      367003.057 3799451.995 366997.259 3799449.751
AREAVERT T1B_M_1      366994.454 3799448.442 366980.801 3799444.328
AREAVERT T1B_M_1      366971.824 3799441.709 366960.790 3799439.278
AREAVERT T1B_M_1      366945.080 3799435.725 366938.161 3799433.855
AREAVERT T1B_M_1      366930.306 3799432.171 366925.069 3799430.862
AREAVERT T1B_M_1      366921.703 3799455.362 366920.394 3799461.346
SRCPARAM T1B_M_2      4.962E-08     2.550        18     2.370
AREAVERT T1B_M_2      366819.539 3799439.778 366828.704 3799442.770
AREAVERT T1B_M_2      366840.112 3799445.950 366849.277 3799448.568
AREAVERT T1B_M_2      366857.319 3799450.813 366866.109 3799453.057
AREAVERT T1B_M_2      366874.152 3799454.740 366881.072 3799456.610
AREAVERT T1B_M_2      366889.675 3799458.855 366896.034 3799426.686
AREAVERT T1B_M_2      366888.740 3799424.816 366875.087 3799422.010
AREAVERT T1B_M_2      366864.800 3799419.766 366859.563 3799418.831
AREAVERT T1B_M_2      366855.636 3799417.709 366846.845 3799414.903
AREAVERT T1B_M_2      366840.299 3799412.659 366830.387 3799409.666
SRCPARAM T1B_M_3      4.962E-08     2.550        23     2.370
AREAVERT T1B_M_3      366574.399 3799321.960 366582.189 3799324.185
AREAVERT T1B_M_3      366590.297 3799326.411 366596.179 3799328.001
AREAVERT T1B_M_3      366602.220 3799329.750 366604.287 3799330.386
AREAVERT T1B_M_3      366611.759 3799333.406 366623.842 3799338.176
AREAVERT T1B_M_3      366636.560 3799343.263 366646.576 3799347.397
AREAVERT T1B_M_3      366654.048 3799350.894 366661.361 3799354.233
AREAVERT T1B_M_3      366674.875 3799328.796 366666.767 3799325.139
AREAVERT T1B_M_3      366650.869 3799317.667 366642.443 3799314.011
AREAVERT T1B_M_3      366637.673 3799311.944 366629.724 3799308.128
AREAVERT T1B_M_3      366626.068 3799306.538 366622.888 3799305.426
AREAVERT T1B_M_3      366610.805 3799301.928 366590.615 3799296.046
AREAVERT T1B_M_3      366578.691 3799292.389
SRCPARAM T1B_M_4      4.962E-08     2.550        20     2.370
AREAVERT T1B_M_4      366781.937 3799356.625 366803.447 3799365.603
AREAVERT T1B_M_4      366818.224 3799371.775 366827.389 3799375.703
AREAVERT T1B_M_4      366831.317 3799377.200 366834.684 3799378.322
AREAVERT T1B_M_4      366846.468 3799381.315 366865.172 3799386.365
AREAVERT T1B_M_4      366879.575 3799390.106 366889.675 3799392.538
AREAVERT T1B_M_4      366901.459 3799395.530 366903.330 3799359.804
AREAVERT T1B_M_4      366885.560 3799356.064 366865.546 3799351.949
AREAVERT T1B_M_4      366858.252 3799349.891 366845.907 3799346.337
AREAVERT T1B_M_4      366827.389 3799340.165 366821.029 3799338.481
AREAVERT T1B_M_4      366807.749 3799331.748 366793.908 3799325.388
SRCPARAM T1B_M_5      4.962E-08     2.550        45     2.370
AREAVERT T1B_M_5      366778.172 3799284.843 366791.452 3799294.195
AREAVERT T1B_M_5      366802.863 3799302.425 366810.719 3799307.476
AREAVERT T1B_M_5      366819.884 3799313.274 366822.877 3799315.145
AREAVERT T1B_M_5      366824.561 3799312.900 366839.151 3799317.390
AREAVERT T1B_M_5      366852.431 3799322.253 366861.410 3799324.872
AREAVERT T1B_M_5      366869.827 3799327.677 366877.870 3799330.109
AREAVERT T1B_M_5      366886.100 3799331.793 366907.611 3799334.972
AREAVERT T1B_M_5      366909.295 3799302.987 366887.036 3799299.058
AREAVERT T1B_M_5      366887.784 3799290.080 366892.273 3799289.145
AREAVERT T1B_M_5      366895.453 3799292.138 366904.432 3799289.332
AREAVERT T1B_M_5      366908.547 3799287.835 366916.216 3799282.785
AREAVERT T1B_M_5      366918.647 3799281.289 366917.899 3799276.986
AREAVERT T1B_M_5      366926.691 3799267.821 366928.187 3799220.497
AREAVERT T1B_M_5      366925.007 3799219.936 366923.511 3799239.576
AREAVERT T1B_M_5      366922.950 3799245.936 366915.468 3799260.152
AREAVERT T1B_M_5      366908.734 3799266.886 366905.180 3799264.267
AREAVERT T1B_M_5      366890.403 3799272.497 366890.029 3799276.238
AREAVERT T1B_M_5      366878.993 3799277.922 366870.201 3799276.612
AREAVERT T1B_M_5      366862.906 3799275.864 366859.913 3799275.303
AREAVERT T1B_M_5      366839.712 3799267.073 366827.179 3799262.022
AREAVERT T1B_M_5      366820.819 3799275.490 366809.596 3799268.382
AREAVERT T1B_M_5      366806.042 3799265.389 366793.323 3799254.166
AREAVERT T1B_M_5      366779.294 3799282.411
SRCPARAM T1B_M_6      4.962E-08     2.550        24     2.370
AREAVERT T1B_M_6      366885.524 3799153.037 366886.955 3799159.556
AREAVERT T1B_M_6      366899.676 3799159.556 366902.379 3799113.922
AREAVERT T1B_M_6      366899.199 3799113.922 366897.768 3799108.993
AREAVERT T1B_M_6      366895.542 3799106.131 366893.475 3799103.746
AREAVERT T1B_M_6      366889.659 3799102.315 366887.750 3799101.997
AREAVERT T1B_M_6      366886.001 3799102.156 366882.980 3799102.315
AREAVERT T1B_M_6      366879.323 3799105.336 366876.938 3799109.788
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   AREAVERT T1B_M_6      366875.507 3799114.876 366875.825 3799118.533
   AREAVERT T1B_M_6      366862.787 3799143.656 366864.377 3799144.928
   AREAVERT T1B_M_6      366867.716 3799148.426 366870.260 3799149.698
   AREAVERT T1B_M_6      366873.599 3799151.129 366874.871 3799151.765
   AREAVERT T1B_M_6      366879.800 3799152.083 366882.662 3799152.719
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_5        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_1     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_3     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_3     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_3     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_3     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_3     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_3     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_3     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_6     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_1      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_1      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT T1B_M_1      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_1      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP TIER1A   T1A_1 T1A_2 T1A_3 T1A_4 T1A_5 T1A_6 T1A_7 T1A_8
   SRCGROUP TIER1BM  T1B_M_1 T1B_M_2 T1B_M_3 T1B_M_4 T1B_M_5 T1B_M_6
   SRCGROUP TIER1BUM T1B_UM_1 T1B_UM_2 T1B_UM_3 T1B_UM_4 T1B_UM_5 T1B_UM_6
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED OVMC_Construction_Elev.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\metdata\KBUR_V9_ADJU\KBUR_v9.SFC
   PROFFILE ..\..\metdata\KBUR_V9_ADJU\KBUR_v9.PFL
   SURFDATA 23152 2012
   UAIRDATA 3190 2012
   PROFBASE 236.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE PERIOD TIER1A OVMC_CONSTRUCTION_ELEV.AD\OVMC_Construction_Elev_DPM_Tier1A.PLT 31
   PLOTFILE PERIOD TIER1BM OVMC_CONSTRUCTION_ELEV.AD\OVMC_Construction_Elev_DPM_Tier1BM.PLT 32
   PLOTFILE PERIOD TIER1BUM OVMC_CONSTRUCTION_ELEV.AD\OVMC_Construction_Elev_DPM_Tier1BUM.PLT 33
   SUMMFILE OVMC_Construction_Elev.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
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A Total of            2 Warning Message(s)
A Total of            0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186     740       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     740       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   20 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   9818605.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 20 Source(s);   4 Source Group(s); and   193 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 20 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   236.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: OVMC_Construction_Elev.err
**File for Summary of Results: OVMC_Construction_Elev.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
T1A_1	0	0.44090E-05	367101.7	3799472.6	454.2	2.55	9	2.37	YES	HRDOW7
T1A_2	0	0.44090E-05	367103.1	3799454.5	451.2	2.55	8	2.37	YES	HRDOW7
T1A_3	0	0.44090E-05	367113.5	3799413.3	449.4	2.55	9	2.37	YES	HRDOW7
T1A_4	0	0.44090E-05	367124.4	3799457.7	450.5	2.55	8	2.37	YES	HRDOW7
T1A_5	0	0.44090E-05	367135.9	3799436.3	449.8	2.55	8	2.37	YES	HRDOW7
T1A_6	0	0.44090E-05	367133.1	3799379.1	449.4	2.55	18	2.37	YES	HRDOW7
T1A_7	0	0.44090E-05	366994.5	3799413.4	450.0	2.55	9	2.37	YES	HRDOW7
T1A_8	0	0.44090E-05	366934.7	3799405.4	449.3	2.55	4	2.37	YES	HRDOW7
T1B_UM_1	0	0.16336E-05	366920.8	3799460.6	451.6	2.55	22	2.37	YES	HRDOW7
T1B_UM_2	0	0.16336E-05	366819.5	3799439.8	449.3	2.55	18	2.37	YES	HRDOW7
T1B_UM_3	0	0.16336E-05	366574.4	3799322.0	449.2	2.55	23	2.37	YES	HRDOW7
T1B_UM_4	0	0.16336E-05	366781.9	3799356.6	445.4	2.55	20	2.37	YES	HRDOW7
T1B_UM_5	0	0.16336E-05	366778.2	3799284.8	444.0	2.55	45	2.37	YES	HRDOW7
T1B_UM_6	0	0.16336E-05	366885.5	3799153.0	441.3	2.55	24	2.37	YES	HRDOW7
T1B_M_1	0	0.49620E-07	366920.8	3799460.6	451.6	2.55	22	2.37	YES	HRDOW7
T1B_M_2	0	0.49620E-07	366819.5	3799439.8	449.3	2.55	18	2.37	YES	HRDOW7
T1B_M_3	0	0.49620E-07	366574.4	3799322.0	449.2	2.55	23	2.37	YES	HRDOW7
T1B_M_4	0	0.49620E-07	366781.9	3799356.6	445.4	2.55	20	2.37	YES	HRDOW7
T1B_M_5	0	0.49620E-07	366778.2	3799284.8	444.0	2.55	45	2.37	YES	HRDOW7
T1B_M_6	0	0.49620E-07	366885.5	3799153.0	441.3	2.55	24	2.37	YES	HRDOW7

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
TIER1A	T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 , T1A_6 , T1A_7 , T1A_8 ,
TIER1BM	T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,
TIER1BUM	T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 ,
ALL	T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 , T1A_6 , T1A_7 , T1A_8 ,
	T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 , T1B_M_1 , T1B_M_2 ,
	T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	9818605.	T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 , T1A_6 , T1A_7 , T1A_8 ,
		T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 , T1B_M_1 , T1B_M_2 ,
		T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_1 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_2 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_3 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_4 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_5 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_6 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_7 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_8 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_1 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_2 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_3 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_4 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_5 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_6 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_1 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_2 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_3 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_4 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_5 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_6 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(367472.3,	3799121.8,	439.9,	690.0,	0.0);	(367469.4,	3799140.8,	440.0,	690.0,	0.0);
(367470.4,	3799156.9,	440.5,	690.0,	0.0);	(367472.3,	3799171.1,	441.0,	690.0,	0.0);
(367474.2,	3799185.3,	441.4,	690.0,	0.0);	(367475.1,	3799202.3,	442.3,	690.0,	0.0);
(367474.2,	3799217.5,	442.8,	690.0,	0.0);	(367476.1,	3799231.7,	443.7,	690.0,	0.0);
(367477.0,	3799246.8,	444.0,	690.0,	0.0);	(367474.2,	3799270.5,	445.7,	690.0,	0.0);
(367475.1,	3799283.8,	446.0,	690.0,	0.0);	(367475.1,	3799298.9,	446.5,	690.0,	0.0);
(367475.1,	3799314.1,	446.8,	690.0,	0.0);	(367475.1,	3799329.2,	446.9,	690.0,	0.0);
(367476.1,	3799343.4,	447.2,	690.0,	0.0);	(367497.8,	3799350.1,	447.5,	690.0,	0.0);
(367527.2,	3799373.8,	452.2,	690.0,	0.0);	(367525.3,	3799400.3,	452.9,	690.0,	0.0);
(367521.5,	3799441.9,	462.9,	690.0,	0.0);	(367512.0,	3799459.0,	464.0,	690.0,	0.0);
(367501.6,	3799475.1,	464.9,	690.0,	0.0);	(367492.2,	3799492.1,	465.9,	690.0,	0.0);
(367485.5,	3799518.7,	466.1,	690.0,	0.0);	(367734.7,	3799074.8,	449.5,	690.0,	0.0);
(367702.4,	3799074.8,	447.6,	690.0,	0.0);	(367676.8,	3799072.6,	446.8,	690.0,	0.0);
(367641.1,	3799073.7,	443.9,	690.0,	0.0);	(367591.0,	3799073.7,	443.4,	690.0,	0.0);
(367543.1,	3799070.4,	439.8,	690.0,	0.0);	(367467.3,	3799067.0,	438.2,	690.0,	0.0);
(367429.4,	3799058.1,	436.8,	690.0,	0.0);	(367401.6,	3799055.9,	435.9,	690.0,	0.0);
(367348.1,	3799059.2,	433.6,	690.0,	0.0);	(367367.0,	3799048.1,	433.4,	690.0,	0.0);
(367287.9,	3799063.7,	436.5,	690.0,	0.0);	(367329.1,	3799049.2,	433.4,	690.0,	0.0);
(367177.6,	3799048.1,	436.7,	690.0,	0.0);	(367106.3,	3799060.4,	437.5,	690.0,	0.0);
(367072.9,	3799055.9,	437.3,	690.0,	0.0);	(367055.0,	3799062.6,	437.6,	690.0,	0.0);
(367002.7,	3799057.0,	437.1,	690.0,	0.0);	(366905.7,	3799025.8,	435.1,	690.0,	0.0);
(367018.3,	3798993.5,	435.3,	690.0,	0.0);	(366971.5,	3798998.0,	434.8,	690.0,	0.0);
(367162.0,	3799024.7,	436.2,	690.0,	0.0);	(366833.3,	3798998.0,	433.1,	690.0,	0.0);
(366848.9,	3798962.3,	431.9,	690.0,	0.0);	(366866.7,	3798933.3,	431.7,	690.0,	0.0);
(366880.1,	3798905.5,	431.0,	690.0,	0.0);	(366896.8,	3798876.5,	431.3,	690.0,	0.0);
(366805.4,	3799008.0,	433.6,	690.0,	0.0);	(366792.1,	3799029.2,	435.2,	690.0,	0.0);
(366763.1,	3799030.3,	435.0,	690.0,	0.0);	(366730.8,	3799023.6,	434.3,	690.0,	0.0);
(366710.7,	3799022.5,	433.9,	690.0,	0.0);	(366686.2,	3799026.9,	434.0,	690.0,	0.0);
(366658.3,	3799025.8,	434.2,	690.0,	0.0);	(366612.7,	3799018.0,	432.7,	690.0,	0.0);
(366578.1,	3799015.8,	433.0,	690.0,	0.0);	(366902.3,	3799006.5,	434.6,	690.0,	0.0);
(366930.5,	3798998.4,	434.7,	690.0,	0.0);	(366941.0,	3798993.6,	434.6,	690.0,	0.0);
(366923.2,	3798975.1,	433.8,	690.0,	0.0);	(366991.7,	3798982.3,	434.4,	690.0,	0.0);
(367015.8,	3799008.9,	435.6,	690.0,	0.0);	(366977.2,	3798971.9,	433.9,	690.0,	0.0);
(367002.1,	3798965.4,	434.1,	690.0,	0.0);	(366993.3,	3798955.0,	433.7,	690.0,	0.0);
(366978.8,	3798942.1,	433.0,	690.0,	0.0);	(366952.2,	3798932.4,	432.2,	690.0,	0.0);
(366955.5,	3798913.1,	431.8,	690.0,	0.0);	(366818.6,	3798975.9,	432.5,	690.0,	0.0);
(366826.6,	3798961.4,	432.4,	690.0,	0.0);	(366833.9,	3798945.3,	432.2,	690.0,	0.0);
(366841.1,	3798930.0,	432.1,	690.0,	0.0);	(366847.6,	3798917.9,	431.5,	690.0,	0.0);
(366803.3,	3798969.5,	432.1,	690.0,	0.0);	(366792.8,	3798956.6,	432.1,	690.0,	0.0);
(366798.5,	3798995.2,	433.1,	690.0,	0.0);	(366784.8,	3798979.9,	433.3,	690.0,	0.0);
(366771.9,	3798966.2,	432.5,	690.0,	0.0);	(366760.6,	3798954.2,	432.4,	690.0,	0.0);
(366781.6,	3798937.3,	431.7,	690.0,	0.0);	(366797.7,	3798930.8,	431.9,	690.0,	0.0);
(366818.6,	3798918.8,	431.7,	690.0,	0.0);	(366827.5,	3798912.3,	431.4,	690.0,	0.0);
(366845.2,	3798900.2,	430.3,	690.0,	0.0);	(366858.8,	3798893.0,	430.1,	690.0,	0.0);
(366904.7,	3798862.4,	430.7,	690.0,	0.0);	(366755.8,	3799010.5,	433.9,	690.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(366772.7,	3799008.1,	434.6,	690.0,	0.0);	(366691.4,	3799007.3,	433.3,	690.0,	0.0);
(366671.3,	3799007.3,	432.9,	690.0,	0.0);	(366643.1,	3799005.7,	432.5,	690.0,	0.0);
(366695.4,	3798992.0,	433.2,	690.0,	0.0);	(366709.9,	3798996.8,	432.6,	690.0,	0.0);
(366730.8,	3798998.4,	433.9,	690.0,	0.0);	(366746.9,	3798995.2,	433.4,	690.0,	0.0);
(366712.3,	3798975.1,	432.5,	690.0,	0.0);	(366732.5,	3798976.7,	432.8,	690.0,	0.0);
(366746.1,	3798977.5,	432.5,	690.0,	0.0);	(367168.8,	3799016.2,	436.1,	690.0,	0.0);
(367153.6,	3799001.1,	435.8,	690.0,	0.0);	(367133.8,	3799002.3,	435.7,	690.0,	0.0);
(367144.3,	3798992.4,	435.5,	690.0,	0.0);	(367120.5,	3798992.4,	435.3,	690.0,	0.0);
(367108.2,	3798981.3,	434.9,	690.0,	0.0);	(367130.9,	3798983.1,	435.1,	690.0,	0.0);
(367083.8,	3798953.4,	434.1,	690.0,	0.0);	(367072.8,	3798944.7,	433.8,	690.0,	0.0);
(367067.5,	3798937.7,	433.7,	690.0,	0.0);	(367064.0,	3798928.4,	433.5,	690.0,	0.0);
(367103.6,	3798929.0,	433.0,	690.0,	0.0);	(367053.6,	3798920.3,	433.0,	690.0,	0.0);
(367025.1,	3798892.3,	431.7,	690.0,	0.0);	(367013.4,	3798879.5,	431.2,	690.0,	0.0);
(367054.2,	3798899.9,	432.4,	690.0,	0.0);	(367018.7,	3798871.4,	431.1,	690.0,	0.0);
(367005.3,	3798849.9,	430.1,	690.0,	0.0);	(366993.7,	3798839.4,	429.7,	690.0,	0.0);
(367114.1,	3798903.4,	432.3,	690.0,	0.0);	(367058.2,	3798869.1,	431.2,	690.0,	0.0);
(367103.0,	3798882.5,	431.5,	690.0,	0.0);	(367082.1,	3798914.4,	432.6,	690.0,	0.0);
(367061.7,	3798894.7,	432.0,	690.0,	0.0);	(367042.5,	3798887.7,	431.7,	690.0,	0.0);
(367006.5,	3798866.8,	430.8,	690.0,	0.0);	(367021.6,	3798841.7,	430.0,	690.0,	0.0);
(367029.7,	3798835.3,	429.9,	690.0,	0.0);	(367043.7,	3798858.0,	430.7,	690.0,	0.0);
(367084.4,	3798883.0,	431.7,	690.0,	0.0);	(367093.1,	3798891.2,	431.9,	690.0,	0.0);
(367098.9,	3798950.5,	433.9,	690.0,	0.0);	(366837.8,	3798982.5,	432.2,	690.0,	0.0);
(367082.1,	3798871.4,	431.2,	690.0,	0.0);	(367073.9,	3798862.7,	431.1,	690.0,	0.0);
(367063.5,	3799045.3,	436.9,	690.0,	0.0);	(366998.9,	3799039.5,	436.7,	690.0,	0.0);
(367061.7,	3798850.5,	430.7,	690.0,	0.0);	(367079.2,	3798850.5,	430.4,	690.0,	0.0);
(367118.1,	3798889.4,	431.7,	690.0,	0.0);	(367123.4,	3798878.4,	431.4,	690.0,	0.0);
(367139.1,	3798868.5,	431.2,	690.0,	0.0);	(367145.5,	3798858.0,	430.9,	690.0,	0.0);
(367101.8,	3798838.2,	430.1,	690.0,	0.0);	(367104.8,	3798862.7,	430.9,	690.0,	0.0);
(367096.0,	3798824.3,	429.6,	690.0,	0.0);	(367051.2,	3798849.3,	430.5,	690.0,	0.0);
(367062.9,	3798838.2,	430.3,	690.0,	0.0);	(367068.7,	3798833.6,	430.1,	690.0,	0.0);
(367076.8,	3798820.8,	429.7,	690.0,	0.0);	(367014.0,	3798819.6,	429.2,	690.0,	0.0);
(367024.5,	3798815.0,	429.1,	690.0,	0.0);	(367162.9,	3798990.1,	435.4,	690.0,	0.0);
(367140.2,	3798980.2,	435.1,	690.0,	0.0);	(367132.7,	3798965.6,	434.4,	690.0,	0.0);
(367159.4,	3798973.2,	434.7,	690.0,	0.0);	(367161.8,	3798962.1,	434.3,	690.0,	0.0);
(367149.5,	3798958.1,	434.0,	690.0,	0.0);	(367144.3,	3798948.8,	433.7,	690.0,	0.0);
(367197.8,	3798965.0,	434.2,	690.0,	0.0);	(367178.6,	3798942.9,	433.9,	690.0,	0.0);
(367171.6,	3798929.0,	433.2,	690.0,	0.0);	(367179.2,	3798924.3,	432.9,	690.0,	0.0);
(367228.7,	3798958.1,	433.6,	690.0,	0.0);	(367203.6,	3798938.3,	433.6,	690.0,	0.0);
(367207.7,	3798929.6,	433.4,	690.0,	0.0);	(367197.2,	3798916.2,	433.0,	690.0,	0.0);
(367218.8,	3798919.1,	433.0,	690.0,	0.0);	(367279.3,	3798961.0,	432.6,	690.0,	0.0);
(367281.6,	3799037.2,	434.7,	690.0,	0.0);	(367313.5,	3799050.2,	434.3,	690.0,	0.0);
(367310.8,	3799027.6,	433.5,	690.0,	0.0);	(367304.6,	3799043.4,	434.7,	690.0,	0.0);
(367319.7,	3799018.8,	433.5,	690.0,	0.0);	(367329.9,	3799007.1,	433.2,	690.0,	0.0);
(367336.1,	3798994.1,	433.3,	690.0,	0.0);	(367345.7,	3798986.6,	433.2,	690.0,	0.0);
(367345.7,	3798974.3,	433.3,	690.0,	0.0);	(367337.5,	3798961.3,	433.2,	690.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	367360.7,	3798959.2,	432.9,	690.0,	0.0);	(	367359.4,	3798944.1,	433.0,	690.0,	0.0);
(	367366.9,	3799035.2,	433.2,	690.0,	0.0);	(	367373.7,	3799022.2,	433.2,	690.0,	0.0);
(	367381.3,	3799014.6,	433.2,	690.0,	0.0);	(	367382.6,	3799002.3,	433.0,	690.0,	0.0);
(	367360.7,	3799061.9,	433.8,	690.0,	0.0);	(	367390.8,	3798993.4,	433.0,	690.0,	0.0);
(	367398.4,	3798974.9,	432.8,	690.0,	0.0);	(	367400.4,	3799019.4,	433.8,	690.0,	0.0);
(	367388.1,	3799042.7,	433.8,	690.0,	0.0);	(	367420.3,	3799006.4,	435.6,	690.0,	0.0);
(	367440.8,	3799023.5,	436.9,	690.0,	0.0);						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\metdata\KBUR_V9_ADJU\KBUR_v9.SFC Met Version: 16216
Profile file: ..\..\metdata\KBUR_V9_ADJU\KBUR_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23152 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-23.4	0.241	-9.000	-9.000	-999.	285.	64.1	0.16	3.02	1.00	2.45	359.	7.9	286.4	2.0
12	01	01	1	02	-11.3	0.143	-9.000	-9.000	-999.	134.	23.1	0.16	3.02	1.00	1.50	289.	7.9	284.9	2.0
12	01	01	1	03	-4.8	0.092	-9.000	-9.000	-999.	68.	14.5	0.16	3.02	1.00	0.99	300.	7.9	283.8	2.0
12	01	01	1	04	-8.1	0.121	-9.000	-9.000	-999.	100.	19.1	0.16	3.02	1.00	1.28	295.	7.9	284.2	2.0
12	01	01	1	05	-2.9	0.074	-9.000	-9.000	-999.	49.	12.3	0.16	3.02	1.00	0.75	323.	7.9	282.5	2.0
12	01	01	1	06	-11.3	0.143	-9.000	-9.000	-999.	130.	23.0	0.16	3.02	1.00	1.50	306.	7.9	283.1	2.0
12	01	01	1	07	-16.9	0.176	-9.000	-9.000	-999.	178.	34.3	0.16	3.02	1.00	1.82	315.	7.9	284.9	2.0
12	01	01	1	08	-8.8	0.134	-9.000	-9.000	-999.	118.	24.3	0.16	3.02	0.55	1.40	323.	7.9	287.0	2.0
12	01	01	1	09	36.3	0.171	0.339	0.008	38.	169.	-12.2	0.16	3.02	0.32	1.31	23.	7.9	288.8	2.0
12	01	01	1	10	110.9	0.119	0.729	0.009	124.	99.	-1.4	0.16	3.02	0.24	0.62	163.	7.9	292.0	2.0
12	01	01	1	11	165.2	0.157	1.185	0.005	358.	149.	-2.1	0.16	3.02	0.21	0.89	112.	7.9	296.4	2.0
12	01	01	1	12	192.9	0.184	1.540	0.005	672.	189.	-2.8	0.16	3.02	0.20	1.11	225.	7.9	299.2	2.0
12	01	01	1	13	192.1	0.199	1.840	0.005	1152.	213.	-3.6	0.16	3.02	0.20	1.26	250.	7.9	299.9	2.0
12	01	01	1	14	164.6	0.270	1.886	0.005	1447.	337.	-10.6	0.16	3.02	0.21	2.03	273.	7.9	300.4	2.0
12	01	01	1	15	111.1	0.289	1.699	0.005	1566.	373.	-19.3	0.16	3.02	0.25	2.35	270.	7.9	300.4	2.0
12	01	01	1	16	35.3	0.338	1.167	0.005	1596.	472.	-96.9	0.16	3.02	0.33	3.12	289.	7.9	298.8	2.0
12	01	01	1	17	-20.8	0.255	-9.000	-9.000	-999.	312.	71.4	0.16	3.02	0.60	2.57	318.	7.9	296.4	2.0
12	01	01	1	18	-35.0	0.369	-9.000	-9.000	-999.	538.	149.9	0.16	3.02	1.00	3.68	320.	7.9	293.8	2.0
12	01	01	1	19	-27.7	0.291	-9.000	-9.000	-999.	380.	93.2	0.16	3.02	1.00	2.93	345.	7.9	292.0	2.0
12	01	01	1	20	-20.7	0.216	-9.000	-9.000	-999.	243.	51.2	0.16	3.02	1.00	2.20	325.	7.9	290.4	2.0
12	01	01	1	21	-8.5	0.124	-9.000	-9.000	-999.	108.	19.8	0.16	3.02	1.00	1.31	359.	7.9	288.1	2.0
12	01	01	1	22	-7.4	0.116	-9.000	-9.000	-999.	94.	18.4	0.16	3.02	1.00	1.23	304.	7.9	287.5	2.0
12	01	01	1	23	-6.3	0.106	-9.000	-9.000	-999.	82.	16.7	0.16	3.02	1.00	1.13	314.	7.9	285.9	2.0
12	01	01	1	24	-19.7	0.203	-9.000	-9.000	-999.	220.	45.5	0.16	3.02	1.00	2.08	319.	7.9	287.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	359.	2.45	286.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1A ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367472.27	3799121.83	0.00092	367469.43	3799140.77	0.00099
367470.38	3799156.87	0.00105	367472.27	3799171.08	0.00109
367474.17	3799185.29	0.00114	367475.11	3799202.33	0.00120
367474.17	3799217.49	0.00127	367476.06	3799231.69	0.00133
367477.01	3799246.85	0.00139	367474.17	3799270.53	0.00153
367475.11	3799283.78	0.00160	367475.11	3799298.94	0.00168
367475.11	3799314.09	0.00176	367475.11	3799329.25	0.00184
367476.06	3799343.45	0.00191	367497.84	3799350.08	0.00172
367527.20	3799373.76	0.00152	367525.31	3799400.28	0.00160
367521.52	3799441.95	0.00161	367512.05	3799459.00	0.00170
367501.63	3799475.10	0.00180	367492.16	3799492.15	0.00190
367485.53	3799518.67	0.00196	367734.73	3799074.85	0.00037
367702.41	3799074.85	0.00041	367676.79	3799072.62	0.00043
367641.13	3799073.73	0.00048	367590.99	3799073.73	0.00055
367543.08	3799070.39	0.00063	367467.31	3799067.05	0.00078
367429.42	3799058.13	0.00083	367401.56	3799055.90	0.00088
367348.08	3799059.25	0.00100	367367.02	3799048.10	0.00091
367287.91	3799063.70	0.00113	367329.14	3799049.22	0.00098
367177.60	3799048.10	0.00101	367106.29	3799060.36	0.00101
367072.86	3799055.90	0.00094	367055.03	3799062.59	0.00095
367002.66	3799057.02	0.00084	366905.72	3799025.82	0.00058
367018.26	3798993.51	0.00059	366971.46	3798997.96	0.00056
367162.00	3799024.70	0.00086	366833.29	3798997.96	0.00044
366848.89	3798962.31	0.00040	366866.72	3798933.34	0.00036
366880.09	3798905.48	0.00033	366896.81	3798876.51	0.00030
366805.44	3799007.99	0.00043	366792.07	3799029.16	0.00045
366763.09	3799030.28	0.00041	366730.78	3799023.59	0.00036
366710.72	3799022.48	0.00033	366686.21	3799026.93	0.00031
366658.35	3799025.82	0.00028	366612.67	3799018.02	0.00023
366578.13	3799015.79	0.00020	366902.32	3799006.50	0.00052
366930.50	3798998.45	0.00053	366940.97	3798993.62	0.00053
366923.25	3798975.11	0.00047	366991.69	3798982.35	0.00054
367015.84	3799008.92	0.00064	366977.19	3798971.89	0.00050
367002.15	3798965.45	0.00050	366993.30	3798954.98	0.00047
366978.81	3798942.10	0.00043	366952.24	3798932.44	0.00040
366955.46	3798913.12	0.00037	366818.59	3798975.91	0.00039
366826.64	3798961.42	0.00038	366833.89	3798945.32	0.00036
366841.14	3798930.02	0.00035	366847.58	3798917.95	0.00034
366803.30	3798969.47	0.00037	366792.83	3798956.59	0.00035
366798.47	3798995.23	0.00040	366784.78	3798979.94	0.00037

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1A ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
366771.90	3798966.25	0.00035	366760.63	3798954.17	0.00032
366781.56	3798937.27	0.00032	366797.66	3798930.83	0.00033
366818.59	3798918.75	0.00032	366827.45	3798912.31	0.00032
366845.16	3798900.23	0.00031	366858.85	3798892.99	0.00031
366904.74	3798862.40	0.00029	366755.80	3799010.53	0.00038
366772.70	3799008.11	0.00039	366691.39	3799007.31	0.00030
366671.26	3799007.31	0.00028	366643.09	3799005.70	0.00025
366695.42	3798992.01	0.00030	366709.91	3798996.84	0.00031
366730.84	3798998.45	0.00034	366746.94	3798995.23	0.00035
366712.33	3798975.10	0.00030	366732.45	3798976.72	0.00032
366746.14	3798977.52	0.00033	367168.75	3799016.24	0.00083
367153.62	3799001.12	0.00075	367133.85	3799002.28	0.00073
367144.32	3798992.39	0.00070	367120.47	3798992.39	0.00068
367108.25	3798981.34	0.00063	367130.94	3798983.09	0.00066
367083.82	3798953.42	0.00053	367072.77	3798944.69	0.00050
367067.53	3798937.71	0.00048	367064.04	3798928.41	0.00045
367103.60	3798928.99	0.00048	367053.57	3798920.26	0.00043
367025.07	3798892.34	0.00036	367013.44	3798879.55	0.00034
367054.16	3798899.91	0.00039	367018.67	3798871.40	0.00033
367005.30	3798849.88	0.00030	366993.66	3798839.41	0.00028
367114.07	3798903.40	0.00043	367058.23	3798869.08	0.00034
367103.02	3798882.46	0.00039	367082.08	3798914.45	0.00043
367061.72	3798894.67	0.00039	367042.52	3798887.69	0.00036
367006.46	3798866.75	0.00032	367021.58	3798841.74	0.00029
367029.73	3798835.34	0.00029	367043.69	3798858.03	0.00032
367084.40	3798883.04	0.00038	367093.13	3798891.18	0.00040
367098.94	3798950.51	0.00053	366837.77	3798982.50	0.00042
367082.08	3798871.40	0.00036	367073.93	3798862.68	0.00034
367063.46	3799045.32	0.00086	366998.90	3799039.51	0.00075
367061.72	3798850.46	0.00032	367079.17	3798850.46	0.00033
367118.14	3798889.44	0.00041	367123.38	3798878.38	0.00039
367139.08	3798868.50	0.00038	367145.48	3798858.03	0.00037
367101.85	3798838.25	0.00032	367104.76	3798862.68	0.00035
367096.04	3798824.29	0.00030	367051.25	3798849.30	0.00031
367062.88	3798838.25	0.00030	367068.70	3798833.59	0.00030
367076.84	3798820.80	0.00029	367014.02	3798819.63	0.00027
367024.49	3798814.98	0.00027	367162.93	3798990.07	0.00071
367140.24	3798980.18	0.00065	367132.68	3798965.64	0.00060
367159.44	3798973.20	0.00065	367161.77	3798962.14	0.00061
367149.55	3798958.07	0.00059	367144.32	3798948.77	0.00056

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1A ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367197.83	3798965.05	0.00065	367178.63	3798942.95	0.00057
367171.65	3798928.99	0.00053	367179.22	3798924.34	0.00052
367228.66	3798958.07	0.00064	367203.65	3798938.30	0.00057
367207.72	3798929.57	0.00055	367197.25	3798916.19	0.00051
367218.77	3798919.10	0.00053	367279.26	3798960.98	0.00066
367281.59	3799037.18	0.00097	367313.51	3799050.23	0.00101
367310.77	3799027.64	0.00090	367304.61	3799043.38	0.00099
367319.67	3799018.75	0.00086	367329.93	3799007.11	0.00080
367336.09	3798994.11	0.00075	367345.67	3798986.58	0.00072
367345.67	3798974.26	0.00068	367337.46	3798961.26	0.00065
367360.73	3798959.21	0.00063	367359.36	3798944.15	0.00059
367366.89	3799035.17	0.00086	367373.73	3799022.17	0.00081
367381.26	3799014.64	0.00077	367382.63	3799002.32	0.00073
367360.73	3799061.86	0.00099	367390.84	3798993.42	0.00070
367398.37	3798974.95	0.00064	367400.42	3799019.43	0.00076
367388.10	3799042.70	0.00086	367420.27	3799006.43	0.00070
367440.80	3799023.54	0.00071			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BM ***
INCLUDING SOURCE(S): T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367472.27	3799121.83	0.00003	367469.43	3799140.77	0.00003
367470.38	3799156.87	0.00003	367472.27	3799171.08	0.00003
367474.17	3799185.29	0.00003	367475.11	3799202.33	0.00003
367474.17	3799217.49	0.00003	367476.06	3799231.69	0.00003
367477.01	3799246.85	0.00003	367474.17	3799270.53	0.00004
367475.11	3799283.78	0.00004	367475.11	3799298.94	0.00004
367475.11	3799314.09	0.00004	367475.11	3799329.25	0.00004
367476.06	3799343.45	0.00004	367497.84	3799350.08	0.00004
367527.20	3799373.76	0.00003	367525.31	3799400.28	0.00003
367521.52	3799441.95	0.00003	367512.05	3799459.00	0.00003
367501.63	3799475.10	0.00004	367492.16	3799492.15	0.00004
367485.53	3799518.67	0.00004	367734.73	3799074.85	0.00001
367702.41	3799074.85	0.00001	367676.79	3799072.62	0.00002
367641.13	3799073.73	0.00002	367590.99	3799073.73	0.00002
367543.08	3799070.39	0.00002	367467.31	3799067.05	0.00003
367429.42	3799058.13	0.00003	367401.56	3799055.90	0.00003
367348.08	3799059.25	0.00004	367367.02	3799048.10	0.00003
367287.91	3799063.70	0.00004	367329.14	3799049.22	0.00004
367177.60	3799048.10	0.00006	367106.29	3799060.36	0.00009
367072.86	3799055.90	0.00010	367055.03	3799062.59	0.00012
367002.66	3799057.02	0.00015	366905.72	3799025.82	0.00013
367018.26	3798993.51	0.00008	366971.46	3798997.96	0.00009
367162.00	3799024.70	0.00006	366833.29	3798997.96	0.00007
366848.89	3798962.31	0.00005	366866.72	3798933.34	0.00005
366880.09	3798905.48	0.00004	366896.81	3798876.51	0.00003
366805.44	3799007.99	0.00007	366792.07	3799029.16	0.00008
366763.09	3799030.28	0.00007	366730.78	3799023.59	0.00006
366710.72	3799022.48	0.00006	366686.21	3799026.93	0.00005
366658.35	3799025.82	0.00005	366612.67	3799018.02	0.00004
366578.13	3799015.79	0.00003	366902.32	3799006.50	0.00010
366930.50	3798998.45	0.00009	366940.97	3798993.62	0.00009
366923.25	3798975.11	0.00007	366991.69	3798982.35	0.00008
367015.84	3799008.92	0.00009	366977.19	3798971.89	0.00007
367002.15	3798965.45	0.00007	366993.30	3798954.98	0.00006
366978.81	3798942.10	0.00006	366952.24	3798932.44	0.00005
366955.46	3798913.12	0.00005	366818.59	3798975.91	0.00006
366826.64	3798961.42	0.00005	366833.89	3798945.32	0.00005
366841.14	3798930.02	0.00004	366847.58	3798917.95	0.00004
366803.30	3798969.47	0.00005	366792.83	3798956.59	0.00005
366798.47	3798995.23	0.00006	366784.78	3798979.94	0.00005

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BM ***
INCLUDING SOURCE(S): T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
366771.90	3798966.25	0.00005	366760.63	3798954.17	0.00004
366781.56	3798937.27	0.00004	366797.66	3798930.83	0.00004
366818.59	3798918.75	0.00004	366827.45	3798912.31	0.00004
366845.16	3798900.23	0.00004	366858.85	3798892.99	0.00003
366904.74	3798862.40	0.00003	366755.80	3799010.53	0.00006
366772.70	3799008.11	0.00006	366691.39	3799007.31	0.00005
366671.26	3799007.31	0.00005	366643.09	3799005.70	0.00004
366695.42	3798992.01	0.00005	366709.91	3798996.84	0.00005
366730.84	3798998.45	0.00005	366746.94	3798995.23	0.00005
366712.33	3798975.10	0.00004	366732.45	3798976.72	0.00005
366746.14	3798977.52	0.00005	367168.75	3799016.24	0.00006
367153.62	3799001.12	0.00006	367133.85	3799002.28	0.00006
367144.32	3798992.39	0.00006	367120.47	3798992.39	0.00006
367108.25	3798981.34	0.00006	367130.94	3798983.09	0.00006
367083.82	3798953.42	0.00006	367072.77	3798944.69	0.00005
367067.53	3798937.71	0.00005	367064.04	3798928.41	0.00005
367103.60	3798928.99	0.00005	367053.57	3798920.26	0.00005
367025.07	3798892.34	0.00004	367013.44	3798879.55	0.00004
367054.16	3798899.91	0.00004	367018.67	3798871.40	0.00004
367005.30	3798849.88	0.00003	366993.66	3798839.41	0.00003
367114.07	3798903.40	0.00004	367058.23	3798869.08	0.00004
367103.02	3798882.46	0.00004	367082.08	3798914.45	0.00005
367061.72	3798894.67	0.00004	367042.52	3798887.69	0.00004
367006.46	3798866.75	0.00004	367021.58	3798841.74	0.00003
367029.73	3798835.34	0.00003	367043.69	3798858.03	0.00004
367084.40	3798883.04	0.00004	367093.13	3798891.18	0.00004
367098.94	3798950.51	0.00005	366837.77	3798982.50	0.00006
367082.08	3798871.40	0.00004	367073.93	3798862.68	0.00004
367063.46	3799045.32	0.00010	366998.90	3799039.51	0.00013
367061.72	3798850.46	0.00003	367079.17	3798850.46	0.00003
367118.14	3798889.44	0.00004	367123.38	3798878.38	0.00004
367139.08	3798868.50	0.00003	367145.48	3798858.03	0.00003
367101.85	3798838.25	0.00003	367104.76	3798862.68	0.00003
367096.04	3798824.29	0.00003	367051.25	3798849.30	0.00003
367062.88	3798838.25	0.00003	367068.70	3798833.59	0.00003
367076.84	3798820.80	0.00003	367014.02	3798819.63	0.00003
367024.49	3798814.98	0.00003	367162.93	3798990.07	0.00005
367140.24	3798980.18	0.00005	367132.68	3798965.64	0.00005
367159.44	3798973.20	0.00005	367161.77	3798962.14	0.00005
367149.55	3798958.07	0.00005	367144.32	3798948.77	0.00005

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BM ***
INCLUDING SOURCE(S): T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367197.83	3798965.05	0.00004	367178.63	3798942.95	0.00004
367171.65	3798928.99	0.00004	367179.22	3798924.34	0.00004
367228.66	3798958.07	0.00004	367203.65	3798938.30	0.00004
367207.72	3798929.57	0.00004	367197.25	3798916.19	0.00004
367218.77	3798919.10	0.00003	367279.26	3798960.98	0.00003
367281.59	3799037.18	0.00004	367313.51	3799050.23	0.00004
367310.77	3799027.64	0.00004	367304.61	3799043.38	0.00004
367319.67	3799018.75	0.00004	367329.93	3799007.11	0.00003
367336.09	3798994.11	0.00003	367345.67	3798986.58	0.00003
367345.67	3798974.26	0.00003	367337.46	3798961.26	0.00003
367360.73	3798959.21	0.00003	367359.36	3798944.15	0.00003
367366.89	3799035.17	0.00003	367373.73	3799022.17	0.00003
367381.26	3799014.64	0.00003	367382.63	3799002.32	0.00003
367360.73	3799061.86	0.00003	367390.84	3798993.42	0.00003
367398.37	3798974.95	0.00003	367400.42	3799019.43	0.00003
367388.10	3799042.70	0.00003	367420.27	3799006.43	0.00003
367440.80	3799023.54	0.00003			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BUM ***
INCLUDING SOURCE(S): T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367472.27	3799121.83	0.00092	367469.43	3799140.77	0.00096
367470.38	3799156.87	0.00099	367472.27	3799171.08	0.00101
367474.17	3799185.29	0.00103	367475.11	3799202.33	0.00106
367474.17	3799217.49	0.00109	367476.06	3799231.69	0.00111
367477.01	3799246.85	0.00113	367474.17	3799270.53	0.00118
367475.11	3799283.78	0.00120	367475.11	3799298.94	0.00122
367475.11	3799314.09	0.00124	367475.11	3799329.25	0.00126
367476.06	3799343.45	0.00128	367497.84	3799350.08	0.00119
367527.20	3799373.76	0.00108	367525.31	3799400.28	0.00110
367521.52	3799441.95	0.00109	367512.05	3799459.00	0.00113
367501.63	3799475.10	0.00117	367492.16	3799492.15	0.00120
367485.53	3799518.67	0.00123	367734.73	3799074.85	0.00044
367702.41	3799074.85	0.00047	367676.79	3799072.62	0.00049
367641.13	3799073.73	0.00054	367590.99	3799073.73	0.00061
367543.08	3799070.39	0.00068	367467.31	3799067.05	0.00084
367429.42	3799058.13	0.00092	367401.56	3799055.90	0.00099
367348.08	3799059.25	0.00118	367367.02	3799048.10	0.00108
367287.91	3799063.70	0.00147	367329.14	3799049.22	0.00122
367177.60	3799048.10	0.00209	367106.29	3799060.36	0.00298
367072.86	3799055.90	0.00339	367055.03	3799062.59	0.00386
367002.66	3799057.02	0.00492	366905.72	3799025.82	0.00419
367018.26	3798993.51	0.00272	366971.46	3798997.96	0.00309
367162.00	3799024.70	0.00201	366833.29	3798997.96	0.00235
366848.89	3798962.31	0.00181	366866.72	3798933.34	0.00151
366880.09	3798905.48	0.00129	366896.81	3798876.51	0.00112
366805.44	3799007.99	0.00236	366792.07	3799029.16	0.00271
366763.09	3799030.28	0.00244	366730.78	3799023.59	0.00206
366710.72	3799022.48	0.00191	366686.21	3799026.93	0.00180
366658.35	3799025.82	0.00161	366612.67	3799018.02	0.00128
366578.13	3799015.79	0.00111	366902.32	3799006.50	0.00322
366930.50	3798998.45	0.00312	366940.97	3798993.62	0.00299
366923.25	3798975.11	0.00242	366991.69	3798982.35	0.00262
367015.84	3799008.92	0.00307	366977.19	3798971.89	0.00244
367002.15	3798965.45	0.00227	366993.30	3798954.98	0.00212
366978.81	3798942.10	0.00193	366952.24	3798932.44	0.00177
366955.46	3798913.12	0.00155	366818.59	3798975.91	0.00188
366826.64	3798961.42	0.00172	366833.89	3798945.32	0.00155
366841.14	3798930.02	0.00141	366847.58	3798917.95	0.00132
366803.30	3798969.47	0.00173	366792.83	3798956.59	0.00155
366798.47	3798995.23	0.00208	366784.78	3798979.94	0.00179

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BUM ***
INCLUDING SOURCE(S): T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
366771.90	3798966.25	0.00157	366760.63	3798954.17	0.00142
366781.56	3798937.27	0.00133	366797.66	3798930.83	0.00132
366818.59	3798918.75	0.00126	366827.45	3798912.31	0.00123
366845.16	3798900.23	0.00117	366858.85	3798892.99	0.00114
366904.74	3798862.40	0.00104	366755.80	3799010.53	0.00204
366772.70	3799008.11	0.00212	366691.39	3799007.31	0.00162
366671.26	3799007.31	0.00151	366643.09	3799005.70	0.00135
366695.42	3798992.01	0.00150	366709.91	3798996.84	0.00161
366730.84	3798998.45	0.00174	366746.94	3798995.23	0.00178
366712.33	3798975.10	0.00143	366732.45	3798976.72	0.00152
366746.14	3798977.52	0.00158	367168.75	3799016.24	0.00190
367153.62	3799001.12	0.00187	367133.85	3799002.28	0.00201
367144.32	3798992.39	0.00186	367120.47	3798992.39	0.00200
367108.25	3798981.34	0.00196	367130.94	3798983.09	0.00185
367083.82	3798953.42	0.00181	367072.77	3798944.69	0.00177
367067.53	3798937.71	0.00172	367064.04	3798928.41	0.00165
367103.60	3798928.99	0.00153	367053.57	3798920.26	0.00160
367025.07	3798892.34	0.00140	367013.44	3798879.55	0.00130
367054.16	3798899.91	0.00143	367018.67	3798871.40	0.00124
367005.30	3798849.88	0.00110	366993.66	3798839.41	0.00104
367114.07	3798903.40	0.00134	367058.23	3798869.08	0.00121
367103.02	3798882.46	0.00123	367082.08	3798914.45	0.00148
367061.72	3798894.67	0.00138	367042.52	3798887.69	0.00135
367006.46	3798866.75	0.00121	367021.58	3798841.74	0.00106
367029.73	3798835.34	0.00103	367043.69	3798858.03	0.00115
367084.40	3798883.04	0.00127	367093.13	3798891.18	0.00130
367098.94	3798950.51	0.00172	366837.77	3798982.50	0.00207
367082.08	3798871.40	0.00120	367073.93	3798862.68	0.00116
367063.46	3799045.32	0.00331	366998.90	3799039.51	0.00426
367061.72	3798850.46	0.00110	367079.17	3798850.46	0.00109
367118.14	3798889.44	0.00125	367123.38	3798878.38	0.00118
367139.08	3798868.50	0.00110	367145.48	3798858.03	0.00105
367101.85	3798838.25	0.00101	367104.76	3798862.68	0.00113
367096.04	3798824.29	0.00096	367051.25	3798849.30	0.00110
367062.88	3798838.25	0.00104	367068.70	3798833.59	0.00102
367076.84	3798820.80	0.00096	367014.02	3798819.63	0.00095
367024.49	3798814.98	0.00093	367162.93	3798990.07	0.00173
367140.24	3798980.18	0.00178	367132.68	3798965.64	0.00170
367159.44	3798973.20	0.00163	367161.77	3798962.14	0.00155
367149.55	3798958.07	0.00157	367144.32	3798948.77	0.00153

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BUM ***
INCLUDING SOURCE(S): T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367197.83	3798965.05	0.00142	367178.63	3798942.95	0.00137
367171.65	3798928.99	0.00132	367179.22	3798924.34	0.00127
367228.66	3798958.07	0.00127	367203.65	3798938.30	0.00126
367207.72	3798929.57	0.00121	367197.25	3798916.19	0.00119
367218.77	3798919.10	0.00114	367279.26	3798960.98	0.00111
367281.59	3799037.18	0.00139	367313.51	3799050.23	0.00129
367310.77	3799027.64	0.00123	367304.61	3799043.38	0.00131
367319.67	3799018.75	0.00116	367329.93	3799007.11	0.00109
367336.09	3798994.11	0.00104	367345.67	3798986.58	0.00099
367345.67	3798974.26	0.00096	367337.46	3798961.26	0.00095
367360.73	3798959.21	0.00089	367359.36	3798944.15	0.00086
367366.89	3799035.17	0.00105	367373.73	3799022.17	0.00100
367381.26	3799014.64	0.00096	367382.63	3799002.32	0.00093
367360.73	3799061.86	0.00114	367390.84	3798993.42	0.00089
367398.37	3798974.95	0.00083	367400.42	3799019.43	0.00092
367388.10	3799042.70	0.00100	367420.27	3799006.43	0.00084
367440.80	3799023.54	0.00082			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 , T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 ,
T1B_UM_6 , T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367472.27	3799121.83	0.00187	367469.43	3799140.77	0.00198
367470.38	3799156.87	0.00206	367472.27	3799171.08	0.00213
367474.17	3799185.29	0.00220	367475.11	3799202.33	0.00229
367474.17	3799217.49	0.00240	367476.06	3799231.69	0.00247
367477.01	3799246.85	0.00256	367474.17	3799270.53	0.00275
367475.11	3799283.78	0.00283	367475.11	3799298.94	0.00293
367475.11	3799314.09	0.00304	367475.11	3799329.25	0.00314
367476.06	3799343.45	0.00322	367497.84	3799350.08	0.00294
367527.20	3799373.76	0.00263	367525.31	3799400.28	0.00274
367521.52	3799441.95	0.00273	367512.05	3799459.00	0.00286
367501.63	3799475.10	0.00300	367492.16	3799492.15	0.00313
367485.53	3799518.67	0.00322	367734.73	3799074.85	0.00082
367702.41	3799074.85	0.00089	367676.79	3799072.62	0.00094
367641.13	3799073.73	0.00104	367590.99	3799073.73	0.00118
367543.08	3799070.39	0.00134	367467.31	3799067.05	0.00164
367429.42	3799058.13	0.00178	367401.56	3799055.90	0.00190
367348.08	3799059.25	0.00222	367367.02	3799048.10	0.00203
367287.91	3799063.70	0.00264	367329.14	3799049.22	0.00224
367177.60	3799048.10	0.00317	367106.29	3799060.36	0.00408
367072.86	3799055.90	0.00443	367055.03	3799062.59	0.00493
367002.66	3799057.02	0.00591	366905.72	3799025.82	0.00489
367018.26	3798993.51	0.00339	366971.46	3798997.96	0.00375
367162.00	3799024.70	0.00294	366833.29	3798997.96	0.00286
366848.89	3798962.31	0.00226	366866.72	3798933.34	0.00192
366880.09	3798905.48	0.00166	366896.81	3798876.51	0.00145
366805.44	3799007.99	0.00286	366792.07	3799029.16	0.00324
366763.09	3799030.28	0.00292	366730.78	3799023.59	0.00248
366710.72	3799022.48	0.00230	366686.21	3799026.93	0.00216
366658.35	3799025.82	0.00194	366612.67	3799018.02	0.00155
366578.13	3799015.79	0.00134	366902.32	3799006.50	0.00384
366930.50	3798998.45	0.00374	366940.97	3798993.62	0.00361
366923.25	3798975.11	0.00297	366991.69	3798982.35	0.00324
367015.84	3799008.92	0.00381	366977.19	3798971.89	0.00301
367002.15	3798965.45	0.00284	366993.30	3798954.98	0.00265
366978.81	3798942.10	0.00243	366952.24	3798932.44	0.00223
366955.46	3798913.12	0.00197	366818.59	3798975.91	0.00233
366826.64	3798961.42	0.00215	366833.89	3798945.32	0.00196
366841.14	3798930.02	0.00180	366847.58	3798917.95	0.00169
366803.30	3798969.47	0.00215	366792.83	3798956.59	0.00194
366798.47	3798995.23	0.00254	366784.78	3798979.94	0.00221

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 , T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 ,
T1B_UM_6 , T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
366771.90	3798966.25	0.00197	366760.63	3798954.17	0.00179
366781.56	3798937.27	0.00170	366797.66	3798930.83	0.00169
366818.59	3798918.75	0.00163	366827.45	3798912.31	0.00159
366845.16	3798900.23	0.00152	366858.85	3798892.99	0.00149
366904.74	3798862.40	0.00137	366755.80	3799010.53	0.00248
366772.70	3799008.11	0.00258	366691.39	3799007.31	0.00197
366671.26	3799007.31	0.00184	366643.09	3799005.70	0.00164
366695.42	3798992.01	0.00184	366709.91	3798996.84	0.00197
366730.84	3798998.45	0.00213	366746.94	3798995.23	0.00219
366712.33	3798975.10	0.00177	366732.45	3798976.72	0.00189
366746.14	3798977.52	0.00197	367168.75	3799016.24	0.00279
367153.62	3799001.12	0.00268	367133.85	3799002.28	0.00280
367144.32	3798992.39	0.00262	367120.47	3798992.39	0.00274
367108.25	3798981.34	0.00265	367130.94	3798983.09	0.00257
367083.82	3798953.42	0.00239	367072.77	3798944.69	0.00232
367067.53	3798937.71	0.00225	367064.04	3798928.41	0.00215
367103.60	3798928.99	0.00206	367053.57	3798920.26	0.00207
367025.07	3798892.34	0.00180	367013.44	3798879.55	0.00168
367054.16	3798899.91	0.00186	367018.67	3798871.40	0.00161
367005.30	3798849.88	0.00144	366993.66	3798839.41	0.00135
367114.07	3798903.40	0.00181	367058.23	3798869.08	0.00159
367103.02	3798882.46	0.00166	367082.08	3798914.45	0.00196
367061.72	3798894.67	0.00180	367042.52	3798887.69	0.00175
367006.46	3798866.75	0.00157	367021.58	3798841.74	0.00139
367029.73	3798835.34	0.00135	367043.69	3798858.03	0.00151
367084.40	3798883.04	0.00168	367093.13	3798891.18	0.00174
367098.94	3798950.51	0.00230	366837.77	3798982.50	0.00256
367082.08	3798871.40	0.00160	367073.93	3798862.68	0.00154
367063.46	3799045.32	0.00427	366998.90	3799039.51	0.00513
367061.72	3798850.46	0.00146	367079.17	3798850.46	0.00145
367118.14	3798889.44	0.00169	367123.38	3798878.38	0.00160
367139.08	3798868.50	0.00152	367145.48	3798858.03	0.00145
367101.85	3798838.25	0.00137	367104.76	3798862.68	0.00152
367096.04	3798824.29	0.00129	367051.25	3798849.30	0.00145
367062.88	3798838.25	0.00138	367068.70	3798833.59	0.00135
367076.84	3798820.80	0.00127	367014.02	3798819.63	0.00125
367024.49	3798814.98	0.00123	367162.93	3798990.07	0.00250
367140.24	3798980.18	0.00249	367132.68	3798965.64	0.00235
367159.44	3798973.20	0.00233	367161.77	3798962.14	0.00221
367149.55	3798958.07	0.00221	367144.32	3798948.77	0.00214

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 , T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 ,
T1B_UM_6 , T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367197.83	3798965.05	0.00211	367178.63	3798942.95	0.00198
367171.65	3798928.99	0.00189	367179.22	3798924.34	0.00183
367228.66	3798958.07	0.00195	367203.65	3798938.30	0.00187
367207.72	3798929.57	0.00180	367197.25	3798916.19	0.00173
367218.77	3798919.10	0.00170	367279.26	3798960.98	0.00181
367281.59	3799037.18	0.00240	367313.51	3799050.23	0.00234
367310.77	3799027.64	0.00217	367304.61	3799043.38	0.00233
367319.67	3799018.75	0.00205	367329.93	3799007.11	0.00193
367336.09	3798994.11	0.00182	367345.67	3798986.58	0.00174
367345.67	3798974.26	0.00167	367337.46	3798961.26	0.00163
367360.73	3798959.21	0.00154	367359.36	3798944.15	0.00148
367366.89	3799035.17	0.00194	367373.73	3799022.17	0.00183
367381.26	3799014.64	0.00176	367382.63	3799002.32	0.00168
367360.73	3799061.86	0.00216	367390.84	3798993.42	0.00161
367398.37	3798974.95	0.00150	367400.42	3799019.43	0.00170
367388.10	3799042.70	0.00189	367420.27	3799006.43	0.00156
367440.80	3799023.54	0.00156			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
TIER1A	1ST HIGHEST VALUE IS	0.00196 AT	367485.53,	3799518.67,	466.12,	690.05,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.00191 AT	367476.06,	3799343.45,	447.18,	690.05,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00190 AT	367492.16,	3799492.15,	465.90,	690.05,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.00184 AT	367475.11,	3799329.25,	446.95,	690.05,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.00180 AT	367501.63,	3799475.10,	464.94,	690.05,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.00176 AT	367475.11,	3799314.09,	446.79,	690.05,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.00172 AT	367497.84,	3799350.08,	447.49,	690.05,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00170 AT	367512.05,	3799459.00,	463.98,	690.05,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.00168 AT	367475.11,	3799298.94,	446.47,	690.05,	0.00)	DC	
	10TH HIGHEST VALUE IS	0.00161 AT	367521.52,	3799441.95,	462.92,	690.05,	0.00)	DC	
TIER1BM	1ST HIGHEST VALUE IS	0.00015 AT	367002.66,	3799057.02,	437.11,	690.05,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.00013 AT	366998.90,	3799039.51,	436.68,	690.05,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00013 AT	366905.72,	3799025.82,	435.07,	690.05,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.00012 AT	367055.03,	3799062.59,	437.56,	690.05,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.00010 AT	367072.86,	3799055.90,	437.30,	690.05,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.00010 AT	367063.46,	3799045.32,	436.95,	690.05,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.00010 AT	366902.32,	3799006.50,	434.60,	690.05,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00009 AT	366930.50,	3798998.45,	434.74,	690.05,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.00009 AT	366971.46,	3798997.96,	434.77,	690.05,	0.00)	DC	
	10TH HIGHEST VALUE IS	0.00009 AT	367015.84,	3799008.92,	435.61,	690.05,	0.00)	DC	
TIER1BUM	1ST HIGHEST VALUE IS	0.00492 AT	367002.66,	3799057.02,	437.11,	690.05,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.00426 AT	366998.90,	3799039.51,	436.68,	690.05,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00419 AT	366905.72,	3799025.82,	435.07,	690.05,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.00386 AT	367055.03,	3799062.59,	437.56,	690.05,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.00339 AT	367072.86,	3799055.90,	437.30,	690.05,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.00331 AT	367063.46,	3799045.32,	436.95,	690.05,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.00322 AT	366902.32,	3799006.50,	434.60,	690.05,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00312 AT	366930.50,	3798998.45,	434.74,	690.05,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.00309 AT	366971.46,	3798997.96,	434.77,	690.05,	0.00)	DC	
	10TH HIGHEST VALUE IS	0.00307 AT	367015.84,	3799008.92,	435.61,	690.05,	0.00)	DC	
ALL	1ST HIGHEST VALUE IS	0.00591 AT	367002.66,	3799057.02,	437.11,	690.05,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.00513 AT	366998.90,	3799039.51,	436.68,	690.05,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00493 AT	367055.03,	3799062.59,	437.56,	690.05,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.00489 AT	366905.72,	3799025.82,	435.07,	690.05,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.00443 AT	367072.86,	3799055.90,	437.30,	690.05,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.00427 AT	367063.46,	3799045.32,	436.95,	690.05,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.00408 AT	367106.29,	3799060.36,	437.47,	690.05,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00384 AT	366902.32,	3799006.50,	434.60,	690.05,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.00381 AT	367015.84,	3799008.92,	435.61,	690.05,	0.00)	DC	
	10TH HIGHEST VALUE IS	0.00375 AT	366971.46,	3798997.96,	434.77,	690.05,	0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   713 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   519 Calm Hours Identified

A Total of   194 Missing Hours Identified (0.44 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   740   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   740   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

   ****
   *** AERMOD Finishes Successfully ***
   ****

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** Lakes Environmental AERMOD MPI
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** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.5
** Lakes Environmental Software Inc.
** Date: 4/3/2019
** File: C:\project_files\Olive_View\AERMOD\OVMC_Construction_Flat\OVMC_Construction_Flat.ADI
**
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** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Olive View UCLA Medical Center: Construction DPM concentration
   TITLETWO FLAT Option
   MODELOPT CONC FLAT
   AVERTIME PERIOD
   URBANOPT 9818605
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL OVMC_Construction_Flat.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION T1A_1        AREAPOLY   367101.744  3799472.640          0.0
** DESCRSRC Tier 1A: Residential Treatment 1
   LOCATION T1A_2        AREAPOLY   367103.122  3799454.497          0.0
** DESCRSRC Tier 1A: Residential Treatment 2
   LOCATION T1A_3        AREAPOLY   367113.451  3799413.347          0.0
** DESCRSRC Tier 1A: Residential Treatment 3
   LOCATION T1A_4        AREAPOLY   367124.440  3799457.687          0.0
** DESCRSRC Tier 1A: Residential Treatment 4
   LOCATION T1A_5        AREAPOLY   367135.919  3799436.298          0.0
** DESCRSRC Tier 1A: Residential Treatment 5
   LOCATION T1A_6        AREAPOLY   367133.070  3799379.087          0.0
** DESCRSRC Tier 1A: Recuperative Care Center
   LOCATION T1A_7        AREAPOLY   366994.462  3799413.385          0.0
** DESCRSRC Tier 1A: Psych Urgent Care
   LOCATION T1A_8        AREAPOLY   366934.668  3799405.359          0.0
** DESCRSRC Tier 1A: Mental Health Wellness Center
   LOCATION T1B_UM_1     AREAPOLY   366920.768  3799460.598          0.0
** DESCRSRC Tier 1B - Unmitigated: Administration
   LOCATION T1B_UM_2     AREAPOLY   366819.539  3799439.778          0.0
** DESCRSRC Tier 1B - Unmitigated: Central Plant East
   LOCATION T1B_UM_3     AREAPOLY   366574.399  3799321.960          0.0
** DESCRSRC Tier 1B - Unmitigated: Material Management
   LOCATION T1B_UM_4     AREAPOLY   366781.937  3799356.625          0.0
** DESCRSRC Tier 1B - Unmitigated: Parking Structure
   LOCATION T1B_UM_5     AREAPOLY   366778.172  3799284.843          0.0
** DESCRSRC Tier 1B - Unmitigated: Ambulatory Care Center
   LOCATION T1B_UM_6     AREAPOLY   366885.524  3799153.037          0.0
** DESCRSRC Tier 1B - Unmitigated: Community Center
   LOCATION T1B_M_1      AREAPOLY   366920.768  3799460.598          0.0
** DESCRSRC Tier 1B - Mitigated: Administration
   LOCATION T1B_M_2      AREAPOLY   366819.539  3799439.778          0.0
** DESCRSRC Tier 1B - Mitigated: Central Plant East
   LOCATION T1B_M_3      AREAPOLY   366574.399  3799321.960          0.0
** DESCRSRC Tier 1B - Mitigated: Material Management
   LOCATION T1B_M_4      AREAPOLY   366781.937  3799356.625          0.0
** DESCRSRC Tier 1B - Mitigated: Parking Structure
   LOCATION T1B_M_5      AREAPOLY   366778.172  3799284.843          0.0
** DESCRSRC Tier 1B - Mitigated: Ambulatory Care Center
   LOCATION T1B_M_6      AREAPOLY   366885.524  3799153.037          0.0
** DESCRSRC Tier 1B - Mitigated: Community Center
** Source Parameters **
   SRCPARAM T1A_1        4.409E-06     2.550         9     2.370
   AREAVERT T1A_1        367101.744 3799472.640 367117.016 3799477.807
   AREAVERT T1A_1        367117.131 3799481.023 367126.088 3799483.664
   AREAVERT T1A_1        367126.662 3799481.712 367130.222 3799482.056
   AREAVERT T1A_1        367134.011 3799469.539 367134.011 3799469.425
   AREAVERT T1A_1        367105.993 3799460.353
   SRCPARAM T1A_2        4.409E-06     2.550         8     2.370
   AREAVERT T1A_2        367103.122 3799454.497 367113.457 3799458.056
   AREAVERT T1A_2        367123.102 3799428.889 367112.653 3799425.444
   AREAVERT T1A_2        367111.619 3799428.430 367108.978 3799427.167
   AREAVERT T1A_2        367105.763 3799436.813 367108.519 3799437.846
   SRCPARAM T1A_3        4.409E-06     2.550         9     2.370
   AREAVERT T1A_3        367113.451 3799413.347 367117.160 3799414.421
   AREAVERT T1A_3        367116.477 3799416.861 367127.604 3799420.277
   AREAVERT T1A_3        367135.900 3799393.533 367135.900 3799393.337
   AREAVERT T1A_3        367124.871 3799389.921 367119.990 3799405.343
   AREAVERT T1A_3        367117.257 3799404.367
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SRCPARAM T1A_4        4.409E-06     2.550         8     2.370
AREAVERT T1A_4        367124.440 3799457.687 367153.147 3799467.643
AREAVERT T1A_4        367157.130 3799456.774 367141.615 3799451.381
AREAVERT T1A_4        367142.361 3799447.979 367132.156 3799444.163
AREAVERT T1A_4        367131.161 3799447.233 367128.672 3799446.652
SRCPARAM T1A_5        4.409E-06     2.550         8     2.370
AREAVERT T1A_5        367135.919 3799436.298 367145.651 3799439.471
AREAVERT T1A_5        367146.568 3799437.073 367149.389 3799437.849
AREAVERT T1A_5        367152.069 3799429.598 367149.459 3799428.328
AREAVERT T1A_5        367154.537 3799413.307 367144.875 3799410.063
SRCPARAM T1A_6        4.409E-06     2.550        18     2.370
AREAVERT T1A_6        367133.070 3799379.087 367143.026 3799382.210
AREAVERT T1A_6        367147.906 3799367.667 367143.611 3799366.593
AREAVERT T1A_6        367145.856 3799359.566 367149.565 3799360.737
AREAVERT T1A_6        367161.376 3799330.674 367157.471 3799329.503
AREAVERT T1A_6        367158.447 3799326.477 367154.153 3799324.525
AREAVERT T1A_6        367153.274 3799326.867 367149.175 3799325.598
AREAVERT T1A_6        367138.145 3799357.223 367135.315 3799356.345
AREAVERT T1A_6        367132.777 3799363.763 367134.534 3799364.348
AREAVERT T1A_6        367131.118 3799374.987 367133.753 3799375.866
SRCPARAM T1A_7        4.409E-06     2.550         9     2.370
AREAVERT T1A_7        366994.462 3799413.385 367014.100 3799413.271
AREAVERT T1A_7        367016.053 3799408.677 367016.627 3799395.814
AREAVERT T1A_7        367010.655 3799395.240 367008.703 3799377.899
AREAVERT T1A_7        366987.916 3799379.506 366989.064 3799402.131
AREAVERT T1A_7        366993.888 3799402.705
SRCPARAM T1A_8        4.409E-06     2.550         4     2.370
AREAVERT T1A_8        366934.668 3799405.359 366971.132 3799401.692
AREAVERT T1A_8        366969.016 3799380.604 366932.482 3799384.412
SRCPARAM T1B_UM_1     1.6336E-06     2.550        22     2.370
AREAVERT T1B_UM_1     366920.768 3799460.598 366937.600 3799463.965
AREAVERT T1B_UM_1     366948.260 3799466.022 366957.798 3799468.079
AREAVERT T1B_UM_1     366961.725 3799468.827 366971.076 3799472.007
AREAVERT T1B_UM_1     366985.290 3799476.308 366997.259 3799480.235
AREAVERT T1B_UM_1     367003.805 3799482.480 367015.213 3799456.671
AREAVERT T1B_UM_1     367003.057 3799451.995 366997.259 3799449.751
AREAVERT T1B_UM_1     366994.454 3799448.442 366980.801 3799444.328
AREAVERT T1B_UM_1     366971.824 3799441.709 366960.790 3799439.278
AREAVERT T1B_UM_1     366945.080 3799435.725 366938.161 3799433.855
AREAVERT T1B_UM_1     366930.306 3799432.171 366925.069 3799430.862
AREAVERT T1B_UM_1     366921.703 3799455.362 366920.394 3799461.346
SRCPARAM T1B_UM_2     1.6336E-06     2.550        18     2.370
AREAVERT T1B_UM_2     366819.539 3799439.778 366828.704 3799442.770
AREAVERT T1B_UM_2     366840.112 3799445.950 366849.277 3799448.568
AREAVERT T1B_UM_2     366857.319 3799450.813 366866.109 3799453.057
AREAVERT T1B_UM_2     366874.152 3799454.740 366881.072 3799456.610
AREAVERT T1B_UM_2     366889.675 3799458.855 366896.034 3799426.686
AREAVERT T1B_UM_2     366888.740 3799424.816 366875.087 3799422.010
AREAVERT T1B_UM_2     366864.800 3799419.766 366859.563 3799418.831
AREAVERT T1B_UM_2     366855.636 3799417.709 366846.845 3799414.903
AREAVERT T1B_UM_2     366840.299 3799412.659 366830.387 3799409.666
SRCPARAM T1B_UM_3     1.6336E-06     2.550        23     2.370
AREAVERT T1B_UM_3     366574.399 3799321.960 366582.189 3799324.185
AREAVERT T1B_UM_3     366590.297 3799326.411 366596.179 3799328.001
AREAVERT T1B_UM_3     366602.220 3799329.750 366604.287 3799330.386
AREAVERT T1B_UM_3     366611.759 3799333.406 366623.842 3799338.176
AREAVERT T1B_UM_3     366636.560 3799343.263 366646.576 3799347.397
AREAVERT T1B_UM_3     366654.048 3799350.894 366661.361 3799354.233
AREAVERT T1B_UM_3     366674.875 3799328.796 366666.767 3799325.139
AREAVERT T1B_UM_3     366650.869 3799317.667 366642.443 3799314.011
AREAVERT T1B_UM_3     366637.673 3799311.944 366629.724 3799308.128
AREAVERT T1B_UM_3     366626.068 3799306.538 366622.888 3799305.426
AREAVERT T1B_UM_3     366610.805 3799301.928 366590.615 3799296.046
AREAVERT T1B_UM_3     366578.691 3799292.389
SRCPARAM T1B_UM_4     1.6336E-06     2.550        20     2.370
AREAVERT T1B_UM_4     366781.937 3799356.625 366803.447 3799365.603
AREAVERT T1B_UM_4     366818.224 3799371.775 366827.389 3799375.703
AREAVERT T1B_UM_4     366831.317 3799377.200 366834.684 3799378.322
AREAVERT T1B_UM_4     366846.468 3799381.315 366865.172 3799386.365
AREAVERT T1B_UM_4     366879.575 3799390.106 366889.675 3799392.538
AREAVERT T1B_UM_4     366901.459 3799395.530 366903.330 3799359.804
AREAVERT T1B_UM_4     366885.560 3799356.064 366865.546 3799351.949
AREAVERT T1B_UM_4     366858.252 3799349.891 366845.907 3799346.337
AREAVERT T1B_UM_4     366827.389 3799340.165 366821.029 3799338.481
AREAVERT T1B_UM_4     366807.749 3799331.748 366793.908 3799325.388
SRCPARAM T1B_UM_5     1.6336E-06     2.550        45     2.370
AREAVERT T1B_UM_5     366778.172 3799284.843 366791.452 3799294.195
AREAVERT T1B_UM_5     366802.863 3799302.425 366810.719 3799307.476
AREAVERT T1B_UM_5     366819.884 3799313.274 366822.877 3799315.145
AREAVERT T1B_UM_5     366824.561 3799312.900 366839.151 3799317.390
AREAVERT T1B_UM_5     366852.431 3799322.253 366861.410 3799324.872
AREAVERT T1B_UM_5     366869.827 3799327.677 366877.870 3799330.109
AREAVERT T1B_UM_5     366886.100 3799331.793 366907.611 3799334.972
AREAVERT T1B_UM_5     366909.295 3799302.987 366887.036 3799299.058
AREAVERT T1B_UM_5     366887.784 3799290.080 366892.273 3799289.145
AREAVERT T1B_UM_5     366895.453 3799292.138 366904.432 3799289.332
AREAVERT T1B_UM_5     366908.547 3799287.835 366916.216 3799282.785
AREAVERT T1B_UM_5     366918.647 3799281.289 366917.899 3799276.986
AREAVERT T1B_UM_5     366926.691 3799267.821 366928.187 3799220.497
AREAVERT T1B_UM_5     366925.007 3799219.936 366923.511 3799239.576
AREAVERT T1B_UM_5     366922.950 3799245.936 366915.468 3799260.152
AREAVERT T1B_UM_5     366908.734 3799266.886 366905.180 3799264.267
AREAVERT T1B_UM_5     366890.403 3799272.497 366890.029 3799276.238
AREAVERT T1B_UM_5     366878.993 3799277.922 366870.201 3799276.612
AREAVERT T1B_UM_5     366862.906 3799275.864 366859.913 3799275.303
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AREAVERT T1B_UM_5     366839.712 3799267.073 366827.179 3799262.022
AREAVERT T1B_UM_5     366820.819 3799275.490 366809.596 3799268.382
AREAVERT T1B_UM_5     366806.042 3799265.389 366793.323 3799254.166
AREAVERT T1B_UM_5     366779.294 3799282.411
SRCPARAM T1B_UM_6     1.6336E-06     2.550        24     2.370
AREAVERT T1B_UM_6     366885.524 3799153.037 366886.955 3799159.556
AREAVERT T1B_UM_6     366899.676 3799159.556 366902.379 3799113.922
AREAVERT T1B_UM_6     366899.199 3799113.922 366897.768 3799108.993
AREAVERT T1B_UM_6     366895.542 3799106.131 366893.475 3799103.746
AREAVERT T1B_UM_6     366889.659 3799102.315 366887.750 3799101.997
AREAVERT T1B_UM_6     366886.001 3799102.156 366882.980 3799102.315
AREAVERT T1B_UM_6     366879.323 3799105.336 366876.938 3799109.788
AREAVERT T1B_UM_6     366875.507 3799114.876 366875.825 3799118.533
AREAVERT T1B_UM_6     366862.787 3799143.656 366864.377 3799144.928
AREAVERT T1B_UM_6     366867.716 3799148.426 366870.260 3799149.698
AREAVERT T1B_UM_6     366873.599 3799151.129 366874.871 3799151.765
AREAVERT T1B_UM_6     366879.800 3799152.083 366882.662 3799152.719
SRCPARAM T1B_M_1      4.962E-08     2.550        22     2.370
AREAVERT T1B_M_1      366920.768 3799460.598 366937.600 3799463.965
AREAVERT T1B_M_1      366948.260 3799466.022 366957.798 3799468.079
AREAVERT T1B_M_1      366961.725 3799468.827 366971.076 3799472.007
AREAVERT T1B_M_1      366985.290 3799476.308 366997.259 3799480.235
AREAVERT T1B_M_1      367003.805 3799482.480 367015.213 3799456.671
AREAVERT T1B_M_1      367003.057 3799451.995 366997.259 3799449.751
AREAVERT T1B_M_1      366994.454 3799448.442 366980.801 3799444.328
AREAVERT T1B_M_1      366971.824 3799441.709 366960.790 3799439.278
AREAVERT T1B_M_1      366945.080 3799435.725 366938.161 3799433.855
AREAVERT T1B_M_1      366930.306 3799432.171 366925.069 3799430.862
AREAVERT T1B_M_1      366921.703 3799455.362 366920.394 3799461.346
SRCPARAM T1B_M_2      4.962E-08     2.550        18     2.370
AREAVERT T1B_M_2      366819.539 3799439.778 366828.704 3799442.770
AREAVERT T1B_M_2      366840.112 3799445.950 366849.277 3799448.568
AREAVERT T1B_M_2      366857.319 3799450.813 366866.109 3799453.057
AREAVERT T1B_M_2      366874.152 3799454.740 366881.072 3799456.610
AREAVERT T1B_M_2      366889.675 3799458.855 366896.034 3799426.686
AREAVERT T1B_M_2      366888.740 3799424.816 366875.087 3799422.010
AREAVERT T1B_M_2      366864.800 3799419.766 366859.563 3799418.831
AREAVERT T1B_M_2      366855.636 3799417.709 366846.845 3799414.903
AREAVERT T1B_M_2      366840.299 3799412.659 366830.387 3799409.666
SRCPARAM T1B_M_3      4.962E-08     2.550        23     2.370
AREAVERT T1B_M_3      366574.399 3799321.960 366582.189 3799324.185
AREAVERT T1B_M_3      366590.297 3799326.411 366596.179 3799328.001
AREAVERT T1B_M_3      366602.220 3799329.750 366604.287 3799330.386
AREAVERT T1B_M_3      366611.759 3799333.406 366623.842 3799338.176
AREAVERT T1B_M_3      366636.560 3799343.263 366646.576 3799347.397
AREAVERT T1B_M_3      366654.048 3799350.894 366661.361 3799354.233
AREAVERT T1B_M_3      366674.875 3799328.796 366666.767 3799325.139
AREAVERT T1B_M_3      366650.869 3799317.667 366642.443 3799314.011
AREAVERT T1B_M_3      366637.673 3799311.944 366629.724 3799308.128
AREAVERT T1B_M_3      366626.068 3799306.538 366622.888 3799305.426
AREAVERT T1B_M_3      366610.805 3799301.928 366590.615 3799296.046
AREAVERT T1B_M_3      366578.691 3799292.389
SRCPARAM T1B_M_4      4.962E-08     2.550        20     2.370
AREAVERT T1B_M_4      366781.937 3799356.625 366803.447 3799365.603
AREAVERT T1B_M_4      366818.224 3799371.775 366827.389 3799375.703
AREAVERT T1B_M_4      366831.317 3799377.200 366834.684 3799378.322
AREAVERT T1B_M_4      366846.468 3799381.315 366865.172 3799386.365
AREAVERT T1B_M_4      366879.575 3799390.106 366889.675 3799392.538
AREAVERT T1B_M_4      366901.459 3799395.530 366903.330 3799359.804
AREAVERT T1B_M_4      366885.560 3799356.064 366865.546 3799351.949
AREAVERT T1B_M_4      366858.252 3799349.891 366845.907 3799346.337
AREAVERT T1B_M_4      366827.389 3799340.165 366821.029 3799338.481
AREAVERT T1B_M_4      366807.749 3799331.748 366793.908 3799325.388
SRCPARAM T1B_M_5      4.962E-08     2.550        45     2.370
AREAVERT T1B_M_5      366778.172 3799284.843 366791.452 3799294.195
AREAVERT T1B_M_5      366802.863 3799302.425 366810.719 3799307.476
AREAVERT T1B_M_5      366819.884 3799313.274 366822.877 3799315.145
AREAVERT T1B_M_5      366824.561 3799312.900 366839.151 3799317.390
AREAVERT T1B_M_5      366852.431 3799322.253 366861.410 3799324.872
AREAVERT T1B_M_5      366869.827 3799327.677 366877.870 3799330.109
AREAVERT T1B_M_5      366886.100 3799331.793 366907.611 3799334.972
AREAVERT T1B_M_5      366909.295 3799302.987 366887.036 3799299.058
AREAVERT T1B_M_5      366887.784 3799290.080 366892.273 3799289.145
AREAVERT T1B_M_5      366895.453 3799292.138 366904.432 3799289.332
AREAVERT T1B_M_5      366908.547 3799287.835 366916.216 3799282.785
AREAVERT T1B_M_5      366918.647 3799281.289 366917.899 3799276.986
AREAVERT T1B_M_5      366926.691 3799267.821 366928.187 3799220.497
AREAVERT T1B_M_5      366925.007 3799219.936 366923.511 3799239.576
AREAVERT T1B_M_5      366922.950 3799245.936 366915.468 3799260.152
AREAVERT T1B_M_5      366908.734 3799266.886 366905.180 3799264.267
AREAVERT T1B_M_5      366890.403 3799272.497 366890.029 3799276.238
AREAVERT T1B_M_5      366878.993 3799277.922 366870.201 3799276.612
AREAVERT T1B_M_5      366862.906 3799275.864 366859.913 3799275.303
AREAVERT T1B_M_5      366839.712 3799267.073 366827.179 3799262.022
AREAVERT T1B_M_5      366820.819 3799275.490 366809.596 3799268.382
AREAVERT T1B_M_5      366806.042 3799265.389 366793.323 3799254.166
AREAVERT T1B_M_5      366779.294 3799282.411
SRCPARAM T1B_M_6      4.962E-08     2.550        24     2.370
AREAVERT T1B_M_6      366885.524 3799153.037 366886.955 3799159.556
AREAVERT T1B_M_6      366899.676 3799159.556 366902.379 3799113.922
AREAVERT T1B_M_6      366899.199 3799113.922 366897.768 3799108.993
AREAVERT T1B_M_6      366895.542 3799106.131 366893.475 3799103.746
AREAVERT T1B_M_6      366889.659 3799102.315 366887.750 3799101.997
AREAVERT T1B_M_6      366886.001 3799102.156 366882.980 3799102.315
AREAVERT T1B_M_6      366879.323 3799105.336 366876.938 3799109.788
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   AREAVERT T1B_M_6      366875.507 3799114.876 366875.825 3799118.533
   AREAVERT T1B_M_6      366862.787 3799143.656 366864.377 3799144.928
   AREAVERT T1B_M_6      366867.716 3799148.426 366870.260 3799149.698
   AREAVERT T1B_M_6      366873.599 3799151.129 366874.871 3799151.765
   AREAVERT T1B_M_6      366879.800 3799152.083 366882.662 3799152.719
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_3        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_4        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1A_5        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_5        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_6        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1A_7        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_7        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1A_8        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1A_8        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_1     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_2     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_3     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_4     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_5     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_UM_6     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_2      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_3      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT T1B_M_4      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
```

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   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_4      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_5      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT T1B_M_6      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP TIER1A   T1A_1 T1A_2 T1A_3 T1A_4 T1A_5 T1A_6 T1A_7 T1A_8
   SRCGROUP TIER1BM  T1B_M_1 T1B_M_2 T1B_M_3 T1B_M_4 T1B_M_5 T1B_M_6
   SRCGROUP TIER1BUM T1B_UM_1 T1B_UM_2 T1B_UM_3 T1B_UM_4 T1B_UM_5 T1B_UM_6
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
** DESCRREC "" ""
   DISCCART    367472.27   3799121.83
   DISCCART    367469.43   3799140.77
   DISCCART    367470.38   3799156.87
   DISCCART    367472.27   3799171.08
   DISCCART    367474.17   3799185.29
   DISCCART    367475.11   3799202.33
   DISCCART    367474.17   3799217.49
   DISCCART    367476.06   3799231.69
   DISCCART    367477.01   3799246.85
   DISCCART    367474.17   3799270.53
   DISCCART    367475.11   3799283.78
   DISCCART    367475.11   3799298.94
   DISCCART    367475.11   3799314.09
   DISCCART    367475.11   3799329.25
   DISCCART    367476.06   3799343.45
   DISCCART    367497.84   3799350.08
   DISCCART    367527.20   3799373.76
   DISCCART    367525.31   3799400.28
   DISCCART    367521.52   3799441.95
   DISCCART    367512.05   3799459.00
   DISCCART    367501.63   3799475.10
   DISCCART    367492.16   3799492.15
   DISCCART    367485.53   3799518.67
   DISCCART    367734.73   3799074.85
   DISCCART    367702.41   3799074.85
   DISCCART    367676.79   3799072.62
   DISCCART    367641.13   3799073.73
   DISCCART    367590.99   3799073.73
   DISCCART    367543.08   3799070.39
   DISCCART    367467.31   3799067.05
   DISCCART    367429.42   3799058.13
   DISCCART    367401.56   3799055.90
   DISCCART    367348.08   3799059.25
```

DISCCART 367367.02 3799048.10
DISCCART 367287.91 3799063.70
DISCCART 367329.14 3799049.22
DISCCART 367177.60 3799048.10
DISCCART 367106.29 3799060.36
DISCCART 367072.86 3799055.90
DISCCART 367055.03 3799062.59
DISCCART 367002.66 3799057.02
DISCCART 366905.72 3799025.82
DISCCART 367018.26 3798993.51
DISCCART 366971.46 3798997.96
DISCCART 367162.00 3799024.70
DISCCART 366833.29 3798997.96
DISCCART 366848.89 3798962.31
DISCCART 366866.72 3798933.34
DISCCART 366880.09 3798905.48
DISCCART 366896.81 3798876.51
DISCCART 366805.44 3799007.99
DISCCART 366792.07 3799029.16
DISCCART 366763.09 3799030.28
DISCCART 366730.78 3799023.59
DISCCART 366710.72 3799022.48
DISCCART 366686.21 3799026.93
DISCCART 366658.35 3799025.82
DISCCART 366612.67 3799018.02
DISCCART 366578.13 3799015.79
DISCCART 366902.32 3799006.50
DISCCART 366930.50 3798998.45
DISCCART 366940.97 3798993.62
DISCCART 366923.25 3798975.11
DISCCART 366991.69 3798982.35
DISCCART 367015.84 3799008.92
DISCCART 366977.19 3798971.89
DISCCART 367002.15 3798965.45
DISCCART 366993.30 3798954.98
DISCCART 366978.81 3798942.10
DISCCART 366952.24 3798932.44
DISCCART 366955.46 3798913.12
DISCCART 366818.59 3798975.91
DISCCART 366826.64 3798961.42
DISCCART 366833.89 3798945.32
DISCCART 366841.14 3798930.02
DISCCART 366847.58 3798917.95
DISCCART 366803.30 3798969.47
DISCCART 366792.83 3798956.59
DISCCART 366798.47 3798995.23
DISCCART 366784.78 3798979.94
DISCCART 366771.90 3798966.25
DISCCART 366760.63 3798954.17
DISCCART 366781.56 3798937.27
DISCCART 366797.66 3798930.83
DISCCART 366818.59 3798918.75
DISCCART 366827.45 3798912.31
DISCCART 366845.16 3798900.23
DISCCART 366858.85 3798892.99
DISCCART 366904.74 3798862.40
DISCCART 366755.80 3799010.53
DISCCART 366772.70 3799008.11
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DISCCART 366671.26 3799007.31
DISCCART 366643.09 3799005.70
DISCCART 366695.42 3798992.01
DISCCART 366709.91 3798996.84
DISCCART 366730.84 3798998.45
DISCCART 366746.94 3798995.23
DISCCART 366712.33 3798975.10
DISCCART 366732.45 3798976.72
DISCCART 366746.14 3798977.52
DISCCART 367168.75 3799016.24
DISCCART 367153.62 3799001.12
DISCCART 367133.85 3799002.28
DISCCART 367144.32 3798992.39
DISCCART 367120.47 3798992.39
DISCCART 367108.25 3798981.34
DISCCART 367130.94 3798983.09
DISCCART 367083.82 3798953.42
DISCCART 367072.77 3798944.69
DISCCART 367067.53 3798937.71
DISCCART 367064.04 3798928.41
DISCCART 367103.60 3798928.99
DISCCART 367053.57 3798920.26
DISCCART 367025.07 3798892.34
DISCCART 367013.44 3798879.55
DISCCART 367054.16 3798899.91
DISCCART 367018.67 3798871.40
DISCCART 367005.30 3798849.88
DISCCART 366993.66 3798839.41
DISCCART 367114.07 3798903.40
DISCCART 367058.23 3798869.08
DISCCART 367103.02 3798882.46
DISCCART 367082.08 3798914.45
DISCCART 367061.72 3798894.67
DISCCART 367042.52 3798887.69
DISCCART 367006.46 3798866.75
DISCCART 367021.58 3798841.74

```
   DISCCART    367029.73   3798835.34
   DISCCART    367043.69   3798858.03
   DISCCART    367084.40   3798883.04
   DISCCART    367093.13   3798891.18
   DISCCART    367098.94   3798950.51
   DISCCART    366837.77   3798982.50
   DISCCART    367082.08   3798871.40
   DISCCART    367073.93   3798862.68
   DISCCART    367063.46   3799045.32
   DISCCART    366998.90   3799039.51
   DISCCART    367061.72   3798850.46
   DISCCART    367079.17   3798850.46
   DISCCART    367118.14   3798889.44
   DISCCART    367123.38   3798878.38
   DISCCART    367139.08   3798868.50
   DISCCART    367145.48   3798858.03
   DISCCART    367101.85   3798838.25
   DISCCART    367104.76   3798862.68
   DISCCART    367096.04   3798824.29
   DISCCART    367051.25   3798849.30
   DISCCART    367062.88   3798838.25
   DISCCART    367068.70   3798833.59
   DISCCART    367076.84   3798820.80
   DISCCART    367014.02   3798819.63
   DISCCART    367024.49   3798814.98
   DISCCART    367162.93   3798990.07
   DISCCART    367140.24   3798980.18
   DISCCART    367132.68   3798965.64
   DISCCART    367159.44   3798973.20
   DISCCART    367161.77   3798962.14
   DISCCART    367149.55   3798958.07
   DISCCART    367144.32   3798948.77
   DISCCART    367197.83   3798965.05
   DISCCART    367178.63   3798942.95
   DISCCART    367171.65   3798928.99
   DISCCART    367179.22   3798924.34
   DISCCART    367228.66   3798958.07
   DISCCART    367203.65   3798938.30
   DISCCART    367207.72   3798929.57
   DISCCART    367197.25   3798916.19
   DISCCART    367218.77   3798919.10
   DISCCART    367279.26   3798960.98
   DISCCART    367281.59   3799037.18
   DISCCART    367313.51   3799050.23
   DISCCART    367310.77   3799027.64
   DISCCART    367304.61   3799043.38
   DISCCART    367319.67   3799018.75
   DISCCART    367329.93   3799007.11
   DISCCART    367336.09   3798994.11
   DISCCART    367345.67   3798986.58
   DISCCART    367345.67   3798974.26
   DISCCART    367337.46   3798961.26
   DISCCART    367360.73   3798959.21
   DISCCART    367359.36   3798944.15
   DISCCART    367366.89   3799035.17
   DISCCART    367373.73   3799022.17
   DISCCART    367381.26   3799014.64
   DISCCART    367382.63   3799002.32
   DISCCART    367360.73   3799061.86
   DISCCART    367390.84   3798993.42
   DISCCART    367398.37   3798974.95
   DISCCART    367400.42   3799019.43
   DISCCART    367388.10   3799042.70
   DISCCART    367420.27   3799006.43
   DISCCART    367440.80   3799023.54
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE ..\..\metdata\KBUR_V9_ADJU\KBUR_v9.SFC
   PROFFILE ..\..\metdata\KBUR_V9_ADJU\KBUR_v9.PFL
   SURFDATA 23152 2012
   UAIRDATA 3190 2012
   PROFBASE 236.0 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   PLOTFILE PERIOD TIER1A OVMC_CONSTRUCTION_FLAT.AD\OVMC_Construction_Flat_DPM_Tier1A.PLT 31
   PLOTFILE PERIOD TIER1BM OVMC_CONSTRUCTION_FLAT.AD\OVMC_Construction_Flat_DPM_Tier1BM.PLT 32
   PLOTFILE PERIOD TIER1BUM OVMC_CONSTRUCTION_FLAT.AD\OVMC_Construction_Flat_DPM_Tier1BUM.PLT 33
   SUMMFILE OVMC_Construction_Flat.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***
```

```
 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of            0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186     933       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     933       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   20 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   9818605.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Assumes Receptors on FLAT Terrain.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 20 Source(s);   4 Source Group(s); and   193 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 20 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   236.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: OVMC_Construction_Flat.err
**File for Summary of Results: OVMC_Construction_Flat.sum

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
T1A_1	0	0.44090E-05	367101.7	3799472.6	236.0	2.55	9	2.37	YES	HRDOW7
T1A_2	0	0.44090E-05	367103.1	3799454.5	236.0	2.55	8	2.37	YES	HRDOW7
T1A_3	0	0.44090E-05	367113.5	3799413.3	236.0	2.55	9	2.37	YES	HRDOW7
T1A_4	0	0.44090E-05	367124.4	3799457.7	236.0	2.55	8	2.37	YES	HRDOW7
T1A_5	0	0.44090E-05	367135.9	3799436.3	236.0	2.55	8	2.37	YES	HRDOW7
T1A_6	0	0.44090E-05	367133.1	3799379.1	236.0	2.55	18	2.37	YES	HRDOW7
T1A_7	0	0.44090E-05	366994.5	3799413.4	236.0	2.55	9	2.37	YES	HRDOW7
T1A_8	0	0.44090E-05	366934.7	3799405.4	236.0	2.55	4	2.37	YES	HRDOW7
T1B_UM_1	0	0.16336E-05	366920.8	3799460.6	236.0	2.55	22	2.37	YES	HRDOW7
T1B_UM_2	0	0.16336E-05	366819.5	3799439.8	236.0	2.55	18	2.37	YES	HRDOW7
T1B_UM_3	0	0.16336E-05	366574.4	3799322.0	236.0	2.55	23	2.37	YES	HRDOW7
T1B_UM_4	0	0.16336E-05	366781.9	3799356.6	236.0	2.55	20	2.37	YES	HRDOW7
T1B_UM_5	0	0.16336E-05	366778.2	3799284.8	236.0	2.55	45	2.37	YES	HRDOW7
T1B_UM_6	0	0.16336E-05	366885.5	3799153.0	236.0	2.55	24	2.37	YES	HRDOW7
T1B_M_1	0	0.49620E-07	366920.8	3799460.6	236.0	2.55	22	2.37	YES	HRDOW7
T1B_M_2	0	0.49620E-07	366819.5	3799439.8	236.0	2.55	18	2.37	YES	HRDOW7
T1B_M_3	0	0.49620E-07	366574.4	3799322.0	236.0	2.55	23	2.37	YES	HRDOW7
T1B_M_4	0	0.49620E-07	366781.9	3799356.6	236.0	2.55	20	2.37	YES	HRDOW7
T1B_M_5	0	0.49620E-07	366778.2	3799284.8	236.0	2.55	45	2.37	YES	HRDOW7
T1B_M_6	0	0.49620E-07	366885.5	3799153.0	236.0	2.55	24	2.37	YES	HRDOW7

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
TIER1A	T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 , T1A_6 , T1A_7 , T1A_8 ,
TIER1BM	T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,
TIER1BUM	T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 ,
ALL	T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 , T1A_6 , T1A_7 , T1A_8 ,
	T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 , T1B_M_1 , T1B_M_2 ,
	T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	9818605.	T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 , T1A_6 , T1A_7 , T1A_8 ,
		T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 , T1B_M_1 , T1B_M_2 ,
		T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_1 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_2 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_3 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_4 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_5 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_6 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_7 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1A_8 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_1 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_2 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_3 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_4 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_5 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_UM_6 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_1 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_2 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_3 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_4 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_5 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = T1B_M_6 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = THURSDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = FRIDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(367472.3,	3799121.8,	236.0,	236.0,	0.0);	(367469.4,	3799140.8,	236.0,	236.0,	0.0);
(367470.4,	3799156.9,	236.0,	236.0,	0.0);	(367472.3,	3799171.1,	236.0,	236.0,	0.0);
(367474.2,	3799185.3,	236.0,	236.0,	0.0);	(367475.1,	3799202.3,	236.0,	236.0,	0.0);
(367474.2,	3799217.5,	236.0,	236.0,	0.0);	(367476.1,	3799231.7,	236.0,	236.0,	0.0);
(367477.0,	3799246.8,	236.0,	236.0,	0.0);	(367474.2,	3799270.5,	236.0,	236.0,	0.0);
(367475.1,	3799283.8,	236.0,	236.0,	0.0);	(367475.1,	3799298.9,	236.0,	236.0,	0.0);
(367475.1,	3799314.1,	236.0,	236.0,	0.0);	(367475.1,	3799329.2,	236.0,	236.0,	0.0);
(367476.1,	3799343.4,	236.0,	236.0,	0.0);	(367497.8,	3799350.1,	236.0,	236.0,	0.0);
(367527.2,	3799373.8,	236.0,	236.0,	0.0);	(367525.3,	3799400.3,	236.0,	236.0,	0.0);
(367521.5,	3799441.9,	236.0,	236.0,	0.0);	(367512.0,	3799459.0,	236.0,	236.0,	0.0);
(367501.6,	3799475.1,	236.0,	236.0,	0.0);	(367492.2,	3799492.1,	236.0,	236.0,	0.0);
(367485.5,	3799518.7,	236.0,	236.0,	0.0);	(367734.7,	3799074.8,	236.0,	236.0,	0.0);
(367702.4,	3799074.8,	236.0,	236.0,	0.0);	(367676.8,	3799072.6,	236.0,	236.0,	0.0);
(367641.1,	3799073.7,	236.0,	236.0,	0.0);	(367591.0,	3799073.7,	236.0,	236.0,	0.0);
(367543.1,	3799070.4,	236.0,	236.0,	0.0);	(367467.3,	3799067.0,	236.0,	236.0,	0.0);
(367429.4,	3799058.1,	236.0,	236.0,	0.0);	(367401.6,	3799055.9,	236.0,	236.0,	0.0);
(367348.1,	3799059.2,	236.0,	236.0,	0.0);	(367367.0,	3799048.1,	236.0,	236.0,	0.0);
(367287.9,	3799063.7,	236.0,	236.0,	0.0);	(367329.1,	3799049.2,	236.0,	236.0,	0.0);
(367177.6,	3799048.1,	236.0,	236.0,	0.0);	(367106.3,	3799060.4,	236.0,	236.0,	0.0);
(367072.9,	3799055.9,	236.0,	236.0,	0.0);	(367055.0,	3799062.6,	236.0,	236.0,	0.0);
(367002.7,	3799057.0,	236.0,	236.0,	0.0);	(366905.7,	3799025.8,	236.0,	236.0,	0.0);
(367018.3,	3798993.5,	236.0,	236.0,	0.0);	(366971.5,	3798998.0,	236.0,	236.0,	0.0);
(367162.0,	3799024.7,	236.0,	236.0,	0.0);	(366833.3,	3798998.0,	236.0,	236.0,	0.0);
(366848.9,	3798962.3,	236.0,	236.0,	0.0);	(366866.7,	3798933.3,	236.0,	236.0,	0.0);
(366880.1,	3798905.5,	236.0,	236.0,	0.0);	(366896.8,	3798876.5,	236.0,	236.0,	0.0);
(366805.4,	3799008.0,	236.0,	236.0,	0.0);	(366792.1,	3799029.2,	236.0,	236.0,	0.0);
(366763.1,	3799030.3,	236.0,	236.0,	0.0);	(366730.8,	3799023.6,	236.0,	236.0,	0.0);
(366710.7,	3799022.5,	236.0,	236.0,	0.0);	(366686.2,	3799026.9,	236.0,	236.0,	0.0);
(366658.3,	3799025.8,	236.0,	236.0,	0.0);	(366612.7,	3799018.0,	236.0,	236.0,	0.0);
(366578.1,	3799015.8,	236.0,	236.0,	0.0);	(366902.3,	3799006.5,	236.0,	236.0,	0.0);
(366930.5,	3798998.4,	236.0,	236.0,	0.0);	(366941.0,	3798993.6,	236.0,	236.0,	0.0);
(366923.2,	3798975.1,	236.0,	236.0,	0.0);	(366991.7,	3798982.3,	236.0,	236.0,	0.0);
(367015.8,	3799008.9,	236.0,	236.0,	0.0);	(366977.2,	3798971.9,	236.0,	236.0,	0.0);
(367002.1,	3798965.4,	236.0,	236.0,	0.0);	(366993.3,	3798955.0,	236.0,	236.0,	0.0);
(366978.8,	3798942.1,	236.0,	236.0,	0.0);	(366952.2,	3798932.4,	236.0,	236.0,	0.0);
(366955.5,	3798913.1,	236.0,	236.0,	0.0);	(366818.6,	3798975.9,	236.0,	236.0,	0.0);
(366826.6,	3798961.4,	236.0,	236.0,	0.0);	(366833.9,	3798945.3,	236.0,	236.0,	0.0);
(366841.1,	3798930.0,	236.0,	236.0,	0.0);	(366847.6,	3798917.9,	236.0,	236.0,	0.0);
(366803.3,	3798969.5,	236.0,	236.0,	0.0);	(366792.8,	3798956.6,	236.0,	236.0,	0.0);
(366798.5,	3798995.2,	236.0,	236.0,	0.0);	(366784.8,	3798979.9,	236.0,	236.0,	0.0);
(366771.9,	3798966.2,	236.0,	236.0,	0.0);	(366760.6,	3798954.2,	236.0,	236.0,	0.0);
(366781.6,	3798937.3,	236.0,	236.0,	0.0);	(366797.7,	3798930.8,	236.0,	236.0,	0.0);
(366818.6,	3798918.8,	236.0,	236.0,	0.0);	(366827.5,	3798912.3,	236.0,	236.0,	0.0);
(366845.2,	3798900.2,	236.0,	236.0,	0.0);	(366858.8,	3798893.0,	236.0,	236.0,	0.0);
(366904.7,	3798862.4,	236.0,	236.0,	0.0);	(366755.8,	3799010.5,	236.0,	236.0,	0.0);

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(366772.7,	3799008.1,	236.0,	236.0,	0.0);	(366691.4,	3799007.3,	236.0,	236.0,	0.0);
(366671.3,	3799007.3,	236.0,	236.0,	0.0);	(366643.1,	3799005.7,	236.0,	236.0,	0.0);
(366695.4,	3798992.0,	236.0,	236.0,	0.0);	(366709.9,	3798996.8,	236.0,	236.0,	0.0);
(366730.8,	3798998.4,	236.0,	236.0,	0.0);	(366746.9,	3798995.2,	236.0,	236.0,	0.0);
(366712.3,	3798975.1,	236.0,	236.0,	0.0);	(366732.5,	3798976.7,	236.0,	236.0,	0.0);
(366746.1,	3798977.5,	236.0,	236.0,	0.0);	(367168.8,	3799016.2,	236.0,	236.0,	0.0);
(367153.6,	3799001.1,	236.0,	236.0,	0.0);	(367133.8,	3799002.3,	236.0,	236.0,	0.0);
(367144.3,	3798992.4,	236.0,	236.0,	0.0);	(367120.5,	3798992.4,	236.0,	236.0,	0.0);
(367108.2,	3798981.3,	236.0,	236.0,	0.0);	(367130.9,	3798983.1,	236.0,	236.0,	0.0);
(367083.8,	3798953.4,	236.0,	236.0,	0.0);	(367072.8,	3798944.7,	236.0,	236.0,	0.0);
(367067.5,	3798937.7,	236.0,	236.0,	0.0);	(367064.0,	3798928.4,	236.0,	236.0,	0.0);
(367103.6,	3798929.0,	236.0,	236.0,	0.0);	(367053.6,	3798920.3,	236.0,	236.0,	0.0);
(367025.1,	3798892.3,	236.0,	236.0,	0.0);	(367013.4,	3798879.5,	236.0,	236.0,	0.0);
(367054.2,	3798899.9,	236.0,	236.0,	0.0);	(367018.7,	3798871.4,	236.0,	236.0,	0.0);
(367005.3,	3798849.9,	236.0,	236.0,	0.0);	(366993.7,	3798839.4,	236.0,	236.0,	0.0);
(367114.1,	3798903.4,	236.0,	236.0,	0.0);	(367058.2,	3798869.1,	236.0,	236.0,	0.0);
(367103.0,	3798882.5,	236.0,	236.0,	0.0);	(367082.1,	3798914.4,	236.0,	236.0,	0.0);
(367061.7,	3798894.7,	236.0,	236.0,	0.0);	(367042.5,	3798887.7,	236.0,	236.0,	0.0);
(367006.5,	3798866.8,	236.0,	236.0,	0.0);	(367021.6,	3798841.7,	236.0,	236.0,	0.0);
(367029.7,	3798835.3,	236.0,	236.0,	0.0);	(367043.7,	3798858.0,	236.0,	236.0,	0.0);
(367084.4,	3798883.0,	236.0,	236.0,	0.0);	(367093.1,	3798891.2,	236.0,	236.0,	0.0);
(367098.9,	3798950.5,	236.0,	236.0,	0.0);	(366837.8,	3798982.5,	236.0,	236.0,	0.0);
(367082.1,	3798871.4,	236.0,	236.0,	0.0);	(367073.9,	3798862.7,	236.0,	236.0,	0.0);
(367063.5,	3799045.3,	236.0,	236.0,	0.0);	(366998.9,	3799039.5,	236.0,	236.0,	0.0);
(367061.7,	3798850.5,	236.0,	236.0,	0.0);	(367079.2,	3798850.5,	236.0,	236.0,	0.0);
(367118.1,	3798889.4,	236.0,	236.0,	0.0);	(367123.4,	3798878.4,	236.0,	236.0,	0.0);
(367139.1,	3798868.5,	236.0,	236.0,	0.0);	(367145.5,	3798858.0,	236.0,	236.0,	0.0);
(367101.8,	3798838.2,	236.0,	236.0,	0.0);	(367104.8,	3798862.7,	236.0,	236.0,	0.0);
(367096.0,	3798824.3,	236.0,	236.0,	0.0);	(367051.2,	3798849.3,	236.0,	236.0,	0.0);
(367062.9,	3798838.2,	236.0,	236.0,	0.0);	(367068.7,	3798833.6,	236.0,	236.0,	0.0);
(367076.8,	3798820.8,	236.0,	236.0,	0.0);	(367014.0,	3798819.6,	236.0,	236.0,	0.0);
(367024.5,	3798815.0,	236.0,	236.0,	0.0);	(367162.9,	3798990.1,	236.0,	236.0,	0.0);
(367140.2,	3798980.2,	236.0,	236.0,	0.0);	(367132.7,	3798965.6,	236.0,	236.0,	0.0);
(367159.4,	3798973.2,	236.0,	236.0,	0.0);	(367161.8,	3798962.1,	236.0,	236.0,	0.0);
(367149.5,	3798958.1,	236.0,	236.0,	0.0);	(367144.3,	3798948.8,	236.0,	236.0,	0.0);
(367197.8,	3798965.0,	236.0,	236.0,	0.0);	(367178.6,	3798942.9,	236.0,	236.0,	0.0);
(367171.6,	3798929.0,	236.0,	236.0,	0.0);	(367179.2,	3798924.3,	236.0,	236.0,	0.0);
(367228.7,	3798958.1,	236.0,	236.0,	0.0);	(367203.6,	3798938.3,	236.0,	236.0,	0.0);
(367207.7,	3798929.6,	236.0,	236.0,	0.0);	(367197.2,	3798916.2,	236.0,	236.0,	0.0);
(367218.8,	3798919.1,	236.0,	236.0,	0.0);	(367279.3,	3798961.0,	236.0,	236.0,	0.0);
(367281.6,	3799037.2,	236.0,	236.0,	0.0);	(367313.5,	3799050.2,	236.0,	236.0,	0.0);
(367310.8,	3799027.6,	236.0,	236.0,	0.0);	(367304.6,	3799043.4,	236.0,	236.0,	0.0);
(367319.7,	3799018.8,	236.0,	236.0,	0.0);	(367329.9,	3799007.1,	236.0,	236.0,	0.0);
(367336.1,	3798994.1,	236.0,	236.0,	0.0);	(367345.7,	3798986.6,	236.0,	236.0,	0.0);
(367345.7,	3798974.3,	236.0,	236.0,	0.0);	(367337.5,	3798961.3,	236.0,	236.0,	0.0);

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(367360.7,	3798959.2,	236.0,	236.0,	0.0);	(367359.4,	3798944.1,	236.0,	236.0,	0.0);
(367366.9,	3799035.2,	236.0,	236.0,	0.0);	(367373.7,	3799022.2,	236.0,	236.0,	0.0);
(367381.3,	3799014.6,	236.0,	236.0,	0.0);	(367382.6,	3799002.3,	236.0,	236.0,	0.0);
(367360.7,	3799061.9,	236.0,	236.0,	0.0);	(367390.8,	3798993.4,	236.0,	236.0,	0.0);
(367398.4,	3798974.9,	236.0,	236.0,	0.0);	(367400.4,	3799019.4,	236.0,	236.0,	0.0);
(367388.1,	3799042.7,	236.0,	236.0,	0.0);	(367420.3,	3799006.4,	236.0,	236.0,	0.0);
(367440.8,	3799023.5,	236.0,	236.0,	0.0);					

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\metdata\KBUR_V9_ADJU\KBUR_v9.SFC Met Version: 16216
Profile file: ..\..\metdata\KBUR_V9_ADJU\KBUR_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23152 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-23.4	0.241	-9.000	-9.000	-999.	285.	64.1	0.16	3.02	1.00	2.45	359.	7.9	286.4	2.0
12	01	01	1	02	-11.3	0.143	-9.000	-9.000	-999.	134.	23.1	0.16	3.02	1.00	1.50	289.	7.9	284.9	2.0
12	01	01	1	03	-4.8	0.092	-9.000	-9.000	-999.	68.	14.5	0.16	3.02	1.00	0.99	300.	7.9	283.8	2.0
12	01	01	1	04	-8.1	0.121	-9.000	-9.000	-999.	100.	19.1	0.16	3.02	1.00	1.28	295.	7.9	284.2	2.0
12	01	01	1	05	-2.9	0.074	-9.000	-9.000	-999.	49.	12.3	0.16	3.02	1.00	0.75	323.	7.9	282.5	2.0
12	01	01	1	06	-11.3	0.143	-9.000	-9.000	-999.	130.	23.0	0.16	3.02	1.00	1.50	306.	7.9	283.1	2.0
12	01	01	1	07	-16.9	0.176	-9.000	-9.000	-999.	178.	34.3	0.16	3.02	1.00	1.82	315.	7.9	284.9	2.0
12	01	01	1	08	-8.8	0.134	-9.000	-9.000	-999.	118.	24.3	0.16	3.02	0.55	1.40	323.	7.9	287.0	2.0
12	01	01	1	09	36.3	0.171	0.339	0.008	38.	169.	-12.2	0.16	3.02	0.32	1.31	23.	7.9	288.8	2.0
12	01	01	1	10	110.9	0.119	0.729	0.009	124.	99.	-1.4	0.16	3.02	0.24	0.62	163.	7.9	292.0	2.0
12	01	01	1	11	165.2	0.157	1.185	0.005	358.	149.	-2.1	0.16	3.02	0.21	0.89	112.	7.9	296.4	2.0
12	01	01	1	12	192.9	0.184	1.540	0.005	672.	189.	-2.8	0.16	3.02	0.20	1.11	225.	7.9	299.2	2.0
12	01	01	1	13	192.1	0.199	1.840	0.005	1152.	213.	-3.6	0.16	3.02	0.20	1.26	250.	7.9	299.9	2.0
12	01	01	1	14	164.6	0.270	1.886	0.005	1447.	337.	-10.6	0.16	3.02	0.21	2.03	273.	7.9	300.4	2.0
12	01	01	1	15	111.1	0.289	1.699	0.005	1566.	373.	-19.3	0.16	3.02	0.25	2.35	270.	7.9	300.4	2.0
12	01	01	1	16	35.3	0.338	1.167	0.005	1596.	472.	-96.9	0.16	3.02	0.33	3.12	289.	7.9	298.8	2.0
12	01	01	1	17	-20.8	0.255	-9.000	-9.000	-999.	312.	71.4	0.16	3.02	0.60	2.57	318.	7.9	296.4	2.0
12	01	01	1	18	-35.0	0.369	-9.000	-9.000	-999.	538.	149.9	0.16	3.02	1.00	3.68	320.	7.9	293.8	2.0
12	01	01	1	19	-27.7	0.291	-9.000	-9.000	-999.	380.	93.2	0.16	3.02	1.00	2.93	345.	7.9	292.0	2.0
12	01	01	1	20	-20.7	0.216	-9.000	-9.000	-999.	243.	51.2	0.16	3.02	1.00	2.20	325.	7.9	290.4	2.0
12	01	01	1	21	-8.5	0.124	-9.000	-9.000	-999.	108.	19.8	0.16	3.02	1.00	1.31	359.	7.9	288.1	2.0
12	01	01	1	22	-7.4	0.116	-9.000	-9.000	-999.	94.	18.4	0.16	3.02	1.00	1.23	304.	7.9	287.5	2.0
12	01	01	1	23	-6.3	0.106	-9.000	-9.000	-999.	82.	16.7	0.16	3.02	1.00	1.13	314.	7.9	285.9	2.0
12	01	01	1	24	-19.7	0.203	-9.000	-9.000	-999.	220.	45.5	0.16	3.02	1.00	2.08	319.	7.9	287.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	359.	2.45	286.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1A ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367472.27	3799121.83	0.00092	367469.43	3799140.77	0.00099
367470.38	3799156.87	0.00104	367472.27	3799171.08	0.00109
367474.17	3799185.29	0.00113	367475.11	3799202.33	0.00120
367474.17	3799217.49	0.00127	367476.06	3799231.69	0.00132
367477.01	3799246.85	0.00139	367474.17	3799270.53	0.00152
367475.11	3799283.78	0.00159	367475.11	3799298.94	0.00167
367475.11	3799314.09	0.00175	367475.11	3799329.25	0.00183
367476.06	3799343.45	0.00190	367497.84	3799350.08	0.00171
367527.20	3799373.76	0.00154	367525.31	3799400.28	0.00164
367521.52	3799441.95	0.00176	367512.05	3799459.00	0.00188
367501.63	3799475.10	0.00201	367492.16	3799492.15	0.00212
367485.53	3799518.67	0.00220	367734.73	3799074.85	0.00037
367702.41	3799074.85	0.00041	367676.79	3799072.62	0.00043
367641.13	3799073.73	0.00048	367590.99	3799073.73	0.00055
367543.08	3799070.39	0.00063	367467.31	3799067.05	0.00077
367429.42	3799058.13	0.00083	367401.56	3799055.90	0.00089
367348.08	3799059.25	0.00102	367367.02	3799048.10	0.00093
367287.91	3799063.70	0.00114	367329.14	3799049.22	0.00100
367177.60	3799048.10	0.00103	367106.29	3799060.36	0.00102
367072.86	3799055.90	0.00095	367055.03	3799062.59	0.00097
367002.66	3799057.02	0.00085	366905.72	3799025.82	0.00058
367018.26	3798993.51	0.00060	366971.46	3798997.96	0.00057
367162.00	3799024.70	0.00088	366833.29	3798997.96	0.00045
366848.89	3798962.31	0.00040	366866.72	3798933.34	0.00037
366880.09	3798905.48	0.00034	366896.81	3798876.51	0.00031
366805.44	3799007.99	0.00043	366792.07	3799029.16	0.00045
366763.09	3799030.28	0.00041	366730.78	3799023.59	0.00036
366710.72	3799022.48	0.00034	366686.21	3799026.93	0.00031
366658.35	3799025.82	0.00028	366612.67	3799018.02	0.00023
366578.13	3799015.79	0.00020	366902.32	3799006.50	0.00053
366930.50	3798998.45	0.00054	366940.97	3798993.62	0.00053
366923.25	3798975.11	0.00048	366991.69	3798982.35	0.00055
367015.84	3799008.92	0.00065	366977.19	3798971.89	0.00051
367002.15	3798965.45	0.00051	366993.30	3798954.98	0.00048
366978.81	3798942.10	0.00044	366952.24	3798932.44	0.00041
366955.46	3798913.12	0.00038	366818.59	3798975.91	0.00040
366826.64	3798961.42	0.00039	366833.89	3798945.32	0.00037
366841.14	3798930.02	0.00035	366847.58	3798917.95	0.00034
366803.30	3798969.47	0.00038	366792.83	3798956.59	0.00036
366798.47	3798995.23	0.00041	366784.78	3798979.94	0.00038

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1A ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
366771.90	3798966.25	0.00035	366760.63	3798954.17	0.00033
366781.56	3798937.27	0.00033	366797.66	3798930.83	0.00033
366818.59	3798918.75	0.00033	366827.45	3798912.31	0.00033
366845.16	3798900.23	0.00032	366858.85	3798892.99	0.00032
366904.74	3798862.40	0.00029	366755.80	3799010.53	0.00038
366772.70	3799008.11	0.00040	366691.39	3799007.31	0.00030
366671.26	3799007.31	0.00028	366643.09	3799005.70	0.00025
366695.42	3798992.01	0.00030	366709.91	3798996.84	0.00032
366730.84	3798998.45	0.00034	366746.94	3798995.23	0.00035
366712.33	3798975.10	0.00030	366732.45	3798976.72	0.00032
366746.14	3798977.52	0.00034	367168.75	3799016.24	0.00084
367153.62	3799001.12	0.00076	367133.85	3799002.28	0.00074
367144.32	3798992.39	0.00071	367120.47	3798992.39	0.00069
367108.25	3798981.34	0.00064	367130.94	3798983.09	0.00066
367083.82	3798953.42	0.00053	367072.77	3798944.69	0.00050
367067.53	3798937.71	0.00048	367064.04	3798928.41	0.00046
367103.60	3798928.99	0.00048	367053.57	3798920.26	0.00043
367025.07	3798892.34	0.00037	367013.44	3798879.55	0.00035
367054.16	3798899.91	0.00040	367018.67	3798871.40	0.00034
367005.30	3798849.88	0.00030	366993.66	3798839.41	0.00029
367114.07	3798903.40	0.00044	367058.23	3798869.08	0.00035
367103.02	3798882.46	0.00039	367082.08	3798914.45	0.00044
367061.72	3798894.67	0.00039	367042.52	3798887.69	0.00037
367006.46	3798866.75	0.00032	367021.58	3798841.74	0.00030
367029.73	3798835.34	0.00029	367043.69	3798858.03	0.00033
367084.40	3798883.04	0.00038	367093.13	3798891.18	0.00040
367098.94	3798950.51	0.00054	366837.77	3798982.50	0.00043
367082.08	3798871.40	0.00036	367073.93	3798862.68	0.00034
367063.46	3799045.32	0.00088	366998.90	3799039.51	0.00076
367061.72	3798850.46	0.00032	367079.17	3798850.46	0.00033
367118.14	3798889.44	0.00041	367123.38	3798878.38	0.00039
367139.08	3798868.50	0.00039	367145.48	3798858.03	0.00037
367101.85	3798838.25	0.00032	367104.76	3798862.68	0.00036
367096.04	3798824.29	0.00030	367051.25	3798849.30	0.00032
367062.88	3798838.25	0.00031	367068.70	3798833.59	0.00030
367076.84	3798820.80	0.00029	367014.02	3798819.63	0.00027
367024.49	3798814.98	0.00027	367162.93	3798990.07	0.00072
367140.24	3798980.18	0.00066	367132.68	3798965.64	0.00061
367159.44	3798973.20	0.00065	367161.77	3798962.14	0.00062
367149.55	3798958.07	0.00060	367144.32	3798948.77	0.00056

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1A ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367197.83	3798965.05	0.00066	367178.63	3798942.95	0.00057
367171.65	3798928.99	0.00053	367179.22	3798924.34	0.00053
367228.66	3798958.07	0.00065	367203.65	3798938.30	0.00058
367207.72	3798929.57	0.00056	367197.25	3798916.19	0.00052
367218.77	3798919.10	0.00054	367279.26	3798960.98	0.00067
367281.59	3799037.18	0.00099	367313.51	3799050.23	0.00103
367310.77	3799027.64	0.00092	367304.61	3799043.38	0.00100
367319.67	3799018.75	0.00087	367329.93	3799007.11	0.00081
367336.09	3798994.11	0.00076	367345.67	3798986.58	0.00073
367345.67	3798974.26	0.00069	367337.46	3798961.26	0.00066
367360.73	3798959.21	0.00064	367359.36	3798944.15	0.00060
367366.89	3799035.17	0.00088	367373.73	3799022.17	0.00082
367381.26	3799014.64	0.00078	367382.63	3799002.32	0.00074
367360.73	3799061.86	0.00100	367390.84	3798993.42	0.00070
367398.37	3798974.95	0.00064	367400.42	3799019.43	0.00077
367388.10	3799042.70	0.00087	367420.27	3799006.43	0.00070
367440.80	3799023.54	0.00071			

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BM ***
INCLUDING SOURCE(S): T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367472.27	3799121.83	0.00003	367469.43	3799140.77	0.00003
367470.38	3799156.87	0.00003	367472.27	3799171.08	0.00003
367474.17	3799185.29	0.00003	367475.11	3799202.33	0.00003
367474.17	3799217.49	0.00003	367476.06	3799231.69	0.00003
367477.01	3799246.85	0.00003	367474.17	3799270.53	0.00004
367475.11	3799283.78	0.00004	367475.11	3799298.94	0.00004
367475.11	3799314.09	0.00004	367475.11	3799329.25	0.00004
367476.06	3799343.45	0.00004	367497.84	3799350.08	0.00004
367527.20	3799373.76	0.00003	367525.31	3799400.28	0.00003
367521.52	3799441.95	0.00004	367512.05	3799459.00	0.00004
367501.63	3799475.10	0.00004	367492.16	3799492.15	0.00004
367485.53	3799518.67	0.00004	367734.73	3799074.85	0.00001
367702.41	3799074.85	0.00001	367676.79	3799072.62	0.00002
367641.13	3799073.73	0.00002	367590.99	3799073.73	0.00002
367543.08	3799070.39	0.00002	367467.31	3799067.05	0.00003
367429.42	3799058.13	0.00003	367401.56	3799055.90	0.00003
367348.08	3799059.25	0.00004	367367.02	3799048.10	0.00003
367287.91	3799063.70	0.00004	367329.14	3799049.22	0.00004
367177.60	3799048.10	0.00006	367106.29	3799060.36	0.00009
367072.86	3799055.90	0.00010	367055.03	3799062.59	0.00012
367002.66	3799057.02	0.00015	366905.72	3799025.82	0.00013
367018.26	3798993.51	0.00008	366971.46	3798997.96	0.00010
367162.00	3799024.70	0.00006	366833.29	3798997.96	0.00007
366848.89	3798962.31	0.00006	366866.72	3798933.34	0.00005
366880.09	3798905.48	0.00004	366896.81	3798876.51	0.00003
366805.44	3799007.99	0.00007	366792.07	3799029.16	0.00008
366763.09	3799030.28	0.00008	366730.78	3799023.59	0.00006
366710.72	3799022.48	0.00006	366686.21	3799026.93	0.00006
366658.35	3799025.82	0.00005	366612.67	3799018.02	0.00004
366578.13	3799015.79	0.00003	366902.32	3799006.50	0.00010
366930.50	3798998.45	0.00010	366940.97	3798993.62	0.00009
366923.25	3798975.11	0.00008	366991.69	3798982.35	0.00008
367015.84	3799008.92	0.00009	366977.19	3798971.89	0.00008
367002.15	3798965.45	0.00007	366993.30	3798954.98	0.00007
366978.81	3798942.10	0.00006	366952.24	3798932.44	0.00005
366955.46	3798913.12	0.00005	366818.59	3798975.91	0.00006
366826.64	3798961.42	0.00005	366833.89	3798945.32	0.00005
366841.14	3798930.02	0.00004	366847.58	3798917.95	0.00004
366803.30	3798969.47	0.00005	366792.83	3798956.59	0.00005
366798.47	3798995.23	0.00006	366784.78	3798979.94	0.00006

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BM ***
INCLUDING SOURCE(S): T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
366771.90	3798966.25	0.00005	366760.63	3798954.17	0.00004
366781.56	3798937.27	0.00004	366797.66	3798930.83	0.00004
366818.59	3798918.75	0.00004	366827.45	3798912.31	0.00004
366845.16	3798900.23	0.00004	366858.85	3798892.99	0.00004
366904.74	3798862.40	0.00003	366755.80	3799010.53	0.00006
366772.70	3799008.11	0.00007	366691.39	3799007.31	0.00005
366671.26	3799007.31	0.00005	366643.09	3799005.70	0.00004
366695.42	3798992.01	0.00005	366709.91	3798996.84	0.00005
366730.84	3798998.45	0.00005	366746.94	3798995.23	0.00006
366712.33	3798975.10	0.00004	366732.45	3798976.72	0.00005
366746.14	3798977.52	0.00005	367168.75	3799016.24	0.00006
367153.62	3799001.12	0.00006	367133.85	3799002.28	0.00006
367144.32	3798992.39	0.00006	367120.47	3798992.39	0.00006
367108.25	3798981.34	0.00006	367130.94	3798983.09	0.00006
367083.82	3798953.42	0.00006	367072.77	3798944.69	0.00005
367067.53	3798937.71	0.00005	367064.04	3798928.41	0.00005
367103.60	3798928.99	0.00005	367053.57	3798920.26	0.00005
367025.07	3798892.34	0.00004	367013.44	3798879.55	0.00004
367054.16	3798899.91	0.00004	367018.67	3798871.40	0.00004
367005.30	3798849.88	0.00003	366993.66	3798839.41	0.00003
367114.07	3798903.40	0.00004	367058.23	3798869.08	0.00004
367103.02	3798882.46	0.00004	367082.08	3798914.45	0.00005
367061.72	3798894.67	0.00004	367042.52	3798887.69	0.00004
367006.46	3798866.75	0.00004	367021.58	3798841.74	0.00003
367029.73	3798835.34	0.00003	367043.69	3798858.03	0.00004
367084.40	3798883.04	0.00004	367093.13	3798891.18	0.00004
367098.94	3798950.51	0.00005	366837.77	3798982.50	0.00006
367082.08	3798871.40	0.00004	367073.93	3798862.68	0.00004
367063.46	3799045.32	0.00010	366998.90	3799039.51	0.00013
367061.72	3798850.46	0.00003	367079.17	3798850.46	0.00003
367118.14	3798889.44	0.00004	367123.38	3798878.38	0.00004
367139.08	3798868.50	0.00003	367145.48	3798858.03	0.00003
367101.85	3798838.25	0.00003	367104.76	3798862.68	0.00003
367096.04	3798824.29	0.00003	367051.25	3798849.30	0.00003
367062.88	3798838.25	0.00003	367068.70	3798833.59	0.00003
367076.84	3798820.80	0.00003	367014.02	3798819.63	0.00003
367024.49	3798814.98	0.00003	367162.93	3798990.07	0.00005
367140.24	3798980.18	0.00005	367132.68	3798965.64	0.00005
367159.44	3798973.20	0.00005	367161.77	3798962.14	0.00005
367149.55	3798958.07	0.00005	367144.32	3798948.77	0.00005

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BM ***
INCLUDING SOURCE(S): T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367197.83	3798965.05	0.00004	367178.63	3798942.95	0.00004
367171.65	3798928.99	0.00004	367179.22	3798924.34	0.00004
367228.66	3798958.07	0.00004	367203.65	3798938.30	0.00004
367207.72	3798929.57	0.00004	367197.25	3798916.19	0.00004
367218.77	3798919.10	0.00003	367279.26	3798960.98	0.00003
367281.59	3799037.18	0.00004	367313.51	3799050.23	0.00004
367310.77	3799027.64	0.00004	367304.61	3799043.38	0.00004
367319.67	3799018.75	0.00004	367329.93	3799007.11	0.00003
367336.09	3798994.11	0.00003	367345.67	3798986.58	0.00003
367345.67	3798974.26	0.00003	367337.46	3798961.26	0.00003
367360.73	3798959.21	0.00003	367359.36	3798944.15	0.00003
367366.89	3799035.17	0.00003	367373.73	3799022.17	0.00003
367381.26	3799014.64	0.00003	367382.63	3799002.32	0.00003
367360.73	3799061.86	0.00003	367390.84	3798993.42	0.00003
367398.37	3798974.95	0.00003	367400.42	3799019.43	0.00003
367388.10	3799042.70	0.00003	367420.27	3799006.43	0.00003
367440.80	3799023.54	0.00002			

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BUM ***
INCLUDING SOURCE(S): T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367472.27	3799121.83	0.00091	367469.43	3799140.77	0.00096
367470.38	3799156.87	0.00098	367472.27	3799171.08	0.00100
367474.17	3799185.29	0.00103	367475.11	3799202.33	0.00105
367474.17	3799217.49	0.00109	367476.06	3799231.69	0.00111
367477.01	3799246.85	0.00113	367474.17	3799270.53	0.00118
367475.11	3799283.78	0.00120	367475.11	3799298.94	0.00123
367475.11	3799314.09	0.00125	367475.11	3799329.25	0.00127
367476.06	3799343.45	0.00129	367497.84	3799350.08	0.00120
367527.20	3799373.76	0.00111	367525.31	3799400.28	0.00114
367521.52	3799441.95	0.00118	367512.05	3799459.00	0.00123
367501.63	3799475.10	0.00128	367492.16	3799492.15	0.00132
367485.53	3799518.67	0.00135	367734.73	3799074.85	0.00044
367702.41	3799074.85	0.00047	367676.79	3799072.62	0.00050
367641.13	3799073.73	0.00054	367590.99	3799073.73	0.00061
367543.08	3799070.39	0.00068	367467.31	3799067.05	0.00083
367429.42	3799058.13	0.00091	367401.56	3799055.90	0.00099
367348.08	3799059.25	0.00118	367367.02	3799048.10	0.00108
367287.91	3799063.70	0.00146	367329.14	3799049.22	0.00122
367177.60	3799048.10	0.00209	367106.29	3799060.36	0.00297
367072.86	3799055.90	0.00339	367055.03	3799062.59	0.00386
367002.66	3799057.02	0.00495	366905.72	3799025.82	0.00435
367018.26	3798993.51	0.00273	366971.46	3798997.96	0.00314
367162.00	3799024.70	0.00201	366833.29	3798997.96	0.00242
366848.89	3798962.31	0.00185	366866.72	3798933.34	0.00154
366880.09	3798905.48	0.00131	366896.81	3798876.51	0.00113
366805.44	3799007.99	0.00241	366792.07	3799029.16	0.00276
366763.09	3799030.28	0.00247	366730.78	3799023.59	0.00209
366710.72	3799022.48	0.00194	366686.21	3799026.93	0.00183
366658.35	3799025.82	0.00163	366612.67	3799018.02	0.00130
366578.13	3799015.79	0.00112	366902.32	3799006.50	0.00331
366930.50	3798998.45	0.00319	366940.97	3798993.62	0.00305
366923.25	3798975.11	0.00247	366991.69	3798982.35	0.00265
367015.84	3799008.92	0.00309	366977.19	3798971.89	0.00247
367002.15	3798965.45	0.00229	366993.30	3798954.98	0.00214
366978.81	3798942.10	0.00196	366952.24	3798932.44	0.00180
366955.46	3798913.12	0.00157	366818.59	3798975.91	0.00192
366826.64	3798961.42	0.00175	366833.89	3798945.32	0.00158
366841.14	3798930.02	0.00144	366847.58	3798917.95	0.00134
366803.30	3798969.47	0.00177	366792.83	3798956.59	0.00157
366798.47	3798995.23	0.00212	366784.78	3798979.94	0.00182

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BUM ***
INCLUDING SOURCE(S): T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
366771.90	3798966.25	0.00160	366760.63	3798954.17	0.00144
366781.56	3798937.27	0.00136	366797.66	3798930.83	0.00134
366818.59	3798918.75	0.00128	366827.45	3798912.31	0.00125
366845.16	3798900.23	0.00119	366858.85	3798892.99	0.00116
366904.74	3798862.40	0.00106	366755.80	3799010.53	0.00207
366772.70	3799008.11	0.00215	366691.39	3799007.31	0.00165
366671.26	3799007.31	0.00154	366643.09	3799005.70	0.00137
366695.42	3798992.01	0.00152	366709.91	3798996.84	0.00164
366730.84	3798998.45	0.00176	366746.94	3798995.23	0.00181
366712.33	3798975.10	0.00145	366732.45	3798976.72	0.00155
366746.14	3798977.52	0.00161	367168.75	3799016.24	0.00189
367153.62	3799001.12	0.00187	367133.85	3799002.28	0.00201
367144.32	3798992.39	0.00185	367120.47	3798992.39	0.00200
367108.25	3798981.34	0.00197	367130.94	3798983.09	0.00185
367083.82	3798953.42	0.00182	367072.77	3798944.69	0.00178
367067.53	3798937.71	0.00173	367064.04	3798928.41	0.00165
367103.60	3798928.99	0.00154	367053.57	3798920.26	0.00160
367025.07	3798892.34	0.00141	367013.44	3798879.55	0.00131
367054.16	3798899.91	0.00144	367018.67	3798871.40	0.00125
367005.30	3798849.88	0.00111	366993.66	3798839.41	0.00105
367114.07	3798903.40	0.00134	367058.23	3798869.08	0.00122
367103.02	3798882.46	0.00124	367082.08	3798914.45	0.00149
367061.72	3798894.67	0.00139	367042.52	3798887.69	0.00136
367006.46	3798866.75	0.00122	367021.58	3798841.74	0.00107
367029.73	3798835.34	0.00104	367043.69	3798858.03	0.00116
367084.40	3798883.04	0.00127	367093.13	3798891.18	0.00131
367098.94	3798950.51	0.00173	366837.77	3798982.50	0.00213
367082.08	3798871.40	0.00121	367073.93	3798862.68	0.00117
367063.46	3799045.32	0.00331	366998.90	3799039.51	0.00428
367061.72	3798850.46	0.00111	367079.17	3798850.46	0.00110
367118.14	3798889.44	0.00125	367123.38	3798878.38	0.00118
367139.08	3798868.50	0.00111	367145.48	3798858.03	0.00105
367101.85	3798838.25	0.00102	367104.76	3798862.68	0.00113
367096.04	3798824.29	0.00097	367051.25	3798849.30	0.00111
367062.88	3798838.25	0.00105	367068.70	3798833.59	0.00102
367076.84	3798820.80	0.00096	367014.02	3798819.63	0.00096
367024.49	3798814.98	0.00094	367162.93	3798990.07	0.00173
367140.24	3798980.18	0.00178	367132.68	3798965.64	0.00170
367159.44	3798973.20	0.00163	367161.77	3798962.14	0.00155
367149.55	3798958.07	0.00157	367144.32	3798948.77	0.00153

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TIER1BUM ***
INCLUDING SOURCE(S): T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 , T1B_UM_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367197.83	3798965.05	0.00141	367178.63	3798942.95	0.00137
367171.65	3798928.99	0.00132	367179.22	3798924.34	0.00127
367228.66	3798958.07	0.00126	367203.65	3798938.30	0.00126
367207.72	3798929.57	0.00121	367197.25	3798916.19	0.00118
367218.77	3798919.10	0.00114	367279.26	3798960.98	0.00111
367281.59	3799037.18	0.00138	367313.51	3799050.23	0.00129
367310.77	3799027.64	0.00122	367304.61	3799043.38	0.00130
367319.67	3799018.75	0.00116	367329.93	3799007.11	0.00109
367336.09	3798994.11	0.00103	367345.67	3798986.58	0.00098
367345.67	3798974.26	0.00095	367337.46	3798961.26	0.00094
367360.73	3798959.21	0.00088	367359.36	3798944.15	0.00085
367366.89	3799035.17	0.00104	367373.73	3799022.17	0.00099
367381.26	3799014.64	0.00095	367382.63	3799002.32	0.00092
367360.73	3799061.86	0.00114	367390.84	3798993.42	0.00088
367398.37	3798974.95	0.00083	367400.42	3799019.43	0.00091
367388.10	3799042.70	0.00100	367420.27	3799006.43	0.00084
367440.80	3799023.54	0.00082			

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 , T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 ,
T1B_UM_6 , T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367472.27	3799121.83	0.00186	367469.43	3799140.77	0.00197
367470.38	3799156.87	0.00206	367472.27	3799171.08	0.00212
367474.17	3799185.29	0.00219	367475.11	3799202.33	0.00228
367474.17	3799217.49	0.00239	367476.06	3799231.69	0.00246
367477.01	3799246.85	0.00255	367474.17	3799270.53	0.00274
367475.11	3799283.78	0.00283	367475.11	3799298.94	0.00293
367475.11	3799314.09	0.00304	367475.11	3799329.25	0.00315
367476.06	3799343.45	0.00323	367497.84	3799350.08	0.00295
367527.20	3799373.76	0.00269	367525.31	3799400.28	0.00281
367521.52	3799441.95	0.00298	367512.05	3799459.00	0.00314
367501.63	3799475.10	0.00332	367492.16	3799492.15	0.00349
367485.53	3799518.67	0.00359	367734.73	3799074.85	0.00083
367702.41	3799074.85	0.00089	367676.79	3799072.62	0.00095
367641.13	3799073.73	0.00103	367590.99	3799073.73	0.00118
367543.08	3799070.39	0.00133	367467.31	3799067.05	0.00163
367429.42	3799058.13	0.00177	367401.56	3799055.90	0.00190
367348.08	3799059.25	0.00223	367367.02	3799048.10	0.00204
367287.91	3799063.70	0.00265	367329.14	3799049.22	0.00226
367177.60	3799048.10	0.00318	367106.29	3799060.36	0.00409
367072.86	3799055.90	0.00444	367055.03	3799062.59	0.00494
367002.66	3799057.02	0.00595	366905.72	3799025.82	0.00506
367018.26	3798993.51	0.00342	366971.46	3798997.96	0.00381
367162.00	3799024.70	0.00295	366833.29	3798997.96	0.00294
366848.89	3798962.31	0.00231	366866.72	3798933.34	0.00196
366880.09	3798905.48	0.00169	366896.81	3798876.51	0.00147
366805.44	3799007.99	0.00292	366792.07	3799029.16	0.00329
366763.09	3799030.28	0.00296	366730.78	3799023.59	0.00252
366710.72	3799022.48	0.00233	366686.21	3799026.93	0.00219
366658.35	3799025.82	0.00196	366612.67	3799018.02	0.00157
366578.13	3799015.79	0.00136	366902.32	3799006.50	0.00394
366930.50	3798998.45	0.00382	366940.97	3798993.62	0.00368
366923.25	3798975.11	0.00302	366991.69	3798982.35	0.00328
367015.84	3799008.92	0.00384	366977.19	3798971.89	0.00305
367002.15	3798965.45	0.00287	366993.30	3798954.98	0.00268
366978.81	3798942.10	0.00246	366952.24	3798932.44	0.00226
366955.46	3798913.12	0.00199	366818.59	3798975.91	0.00238
366826.64	3798961.42	0.00219	366833.89	3798945.32	0.00199
366841.14	3798930.02	0.00183	366847.58	3798917.95	0.00172
366803.30	3798969.47	0.00220	366792.83	3798956.59	0.00198
366798.47	3798995.23	0.00259	366784.78	3798979.94	0.00225

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 , T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 ,
T1B_UM_6 , T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
366771.90	3798966.25	0.00200	366760.63	3798954.17	0.00182
366781.56	3798937.27	0.00172	366797.66	3798930.83	0.00171
366818.59	3798918.75	0.00165	366827.45	3798912.31	0.00161
366845.16	3798900.23	0.00155	366858.85	3798892.99	0.00152
366904.74	3798862.40	0.00138	366755.80	3799010.53	0.00251
366772.70	3799008.11	0.00262	366691.39	3799007.31	0.00200
366671.26	3799007.31	0.00186	366643.09	3799005.70	0.00167
366695.42	3798992.01	0.00187	366709.91	3798996.84	0.00200
366730.84	3798998.45	0.00216	366746.94	3798995.23	0.00222
366712.33	3798975.10	0.00180	366732.45	3798976.72	0.00192
366746.14	3798977.52	0.00200	367168.75	3799016.24	0.00279
367153.62	3799001.12	0.00268	367133.85	3799002.28	0.00281
367144.32	3798992.39	0.00262	367120.47	3798992.39	0.00275
367108.25	3798981.34	0.00266	367130.94	3798983.09	0.00257
367083.82	3798953.42	0.00240	367072.77	3798944.69	0.00233
367067.53	3798937.71	0.00226	367064.04	3798928.41	0.00216
367103.60	3798928.99	0.00207	367053.57	3798920.26	0.00209
367025.07	3798892.34	0.00182	367013.44	3798879.55	0.00170
367054.16	3798899.91	0.00187	367018.67	3798871.40	0.00163
367005.30	3798849.88	0.00145	366993.66	3798839.41	0.00137
367114.07	3798903.40	0.00182	367058.23	3798869.08	0.00160
367103.02	3798882.46	0.00167	367082.08	3798914.45	0.00198
367061.72	3798894.67	0.00182	367042.52	3798887.69	0.00177
367006.46	3798866.75	0.00158	367021.58	3798841.74	0.00140
367029.73	3798835.34	0.00136	367043.69	3798858.03	0.00152
367084.40	3798883.04	0.00169	367093.13	3798891.18	0.00175
367098.94	3798950.51	0.00232	366837.77	3798982.50	0.00262
367082.08	3798871.40	0.00161	367073.93	3798862.68	0.00155
367063.46	3799045.32	0.00429	366998.90	3799039.51	0.00517
367061.72	3798850.46	0.00147	367079.17	3798850.46	0.00146
367118.14	3798889.44	0.00170	367123.38	3798878.38	0.00161
367139.08	3798868.50	0.00153	367145.48	3798858.03	0.00145
367101.85	3798838.25	0.00137	367104.76	3798862.68	0.00153
367096.04	3798824.29	0.00130	367051.25	3798849.30	0.00146
367062.88	3798838.25	0.00139	367068.70	3798833.59	0.00136
367076.84	3798820.80	0.00128	367014.02	3798819.63	0.00126
367024.49	3798814.98	0.00124	367162.93	3798990.07	0.00250
367140.24	3798980.18	0.00249	367132.68	3798965.64	0.00236
367159.44	3798973.20	0.00233	367161.77	3798962.14	0.00221
367149.55	3798958.07	0.00222	367144.32	3798948.77	0.00214

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): T1A_1 , T1A_2 , T1A_3 , T1A_4 , T1A_5 ,
T1A_6 , T1A_7 , T1A_8 , T1B_UM_1 , T1B_UM_2 , T1B_UM_3 , T1B_UM_4 , T1B_UM_5 ,
T1B_UM_6 , T1B_M_1 , T1B_M_2 , T1B_M_3 , T1B_M_4 , T1B_M_5 , T1B_M_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
367197.83	3798965.05	0.00211	367178.63	3798942.95	0.00199
367171.65	3798928.99	0.00189	367179.22	3798924.34	0.00184
367228.66	3798958.07	0.00195	367203.65	3798938.30	0.00188
367207.72	3798929.57	0.00180	367197.25	3798916.19	0.00174
367218.77	3798919.10	0.00171	367279.26	3798960.98	0.00181
367281.59	3799037.18	0.00241	367313.51	3799050.23	0.00235
367310.77	3799027.64	0.00218	367304.61	3799043.38	0.00234
367319.67	3799018.75	0.00206	367329.93	3799007.11	0.00193
367336.09	3798994.11	0.00182	367345.67	3798986.58	0.00174
367345.67	3798974.26	0.00167	367337.46	3798961.26	0.00163
367360.73	3798959.21	0.00154	367359.36	3798944.15	0.00148
367366.89	3799035.17	0.00195	367373.73	3799022.17	0.00184
367381.26	3799014.64	0.00176	367382.63	3799002.32	0.00169
367360.73	3799061.86	0.00217	367390.84	3798993.42	0.00161
367398.37	3798974.95	0.00150	367400.42	3799019.43	0.00170
367388.10	3799042.70	0.00189	367420.27	3799006.43	0.00156
367440.80	3799023.54	0.00156			

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
TIER1A	1ST HIGHEST VALUE IS	0.00220 AT	(367485.53,	3799518.67,	236.00,	236.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00212 AT	(367492.16,	3799492.15,	236.00,	236.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00201 AT	(367501.63,	3799475.10,	236.00,	236.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00190 AT	(367476.06,	3799343.45,	236.00,	236.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00188 AT	(367512.05,	3799459.00,	236.00,	236.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00183 AT	(367475.11,	3799329.25,	236.00,	236.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00176 AT	(367521.52,	3799441.95,	236.00,	236.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00175 AT	(367475.11,	3799314.09,	236.00,	236.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00171 AT	(367497.84,	3799350.08,	236.00,	236.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00167 AT	(367475.11,	3799298.94,	236.00,	236.00, 0.00)	DC	
TIER1BM	1ST HIGHEST VALUE IS	0.00015 AT	(367002.66,	3799057.02,	236.00,	236.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00013 AT	(366905.72,	3799025.82,	236.00,	236.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00013 AT	(366998.90,	3799039.51,	236.00,	236.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00012 AT	(367055.03,	3799062.59,	236.00,	236.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00010 AT	(367072.86,	3799055.90,	236.00,	236.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00010 AT	(367063.46,	3799045.32,	236.00,	236.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00010 AT	(366902.32,	3799006.50,	236.00,	236.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00010 AT	(366930.50,	3798998.45,	236.00,	236.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00010 AT	(366971.46,	3798997.96,	236.00,	236.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00009 AT	(367015.84,	3799008.92,	236.00,	236.00, 0.00)	DC	
TIER1BUM	1ST HIGHEST VALUE IS	0.00495 AT	(367002.66,	3799057.02,	236.00,	236.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00435 AT	(366905.72,	3799025.82,	236.00,	236.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00428 AT	(366998.90,	3799039.51,	236.00,	236.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00386 AT	(367055.03,	3799062.59,	236.00,	236.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00339 AT	(367072.86,	3799055.90,	236.00,	236.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00331 AT	(367063.46,	3799045.32,	236.00,	236.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00331 AT	(366902.32,	3799006.50,	236.00,	236.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00319 AT	(366930.50,	3798998.45,	236.00,	236.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00314 AT	(366971.46,	3798997.96,	236.00,	236.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00309 AT	(367015.84,	3799008.92,	236.00,	236.00, 0.00)	DC	
ALL	1ST HIGHEST VALUE IS	0.00595 AT	(367002.66,	3799057.02,	236.00,	236.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00517 AT	(366998.90,	3799039.51,	236.00,	236.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00506 AT	(366905.72,	3799025.82,	236.00,	236.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00494 AT	(367055.03,	3799062.59,	236.00,	236.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00444 AT	(367072.86,	3799055.90,	236.00,	236.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00429 AT	(367063.46,	3799045.32,	236.00,	236.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00409 AT	(367106.29,	3799060.36,	236.00,	236.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00394 AT	(366902.32,	3799006.50,	236.00,	236.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00384 AT	(367015.84,	3799008.92,	236.00,	236.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00382 AT	(366930.50,	3798998.45,	236.00,	236.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC FLAT URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   713 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   519 Calm Hours Identified

A Total of   194 Missing Hours Identified (0.44 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   933   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   933   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

   ****
   *** AERMOD Finishes Successfully ***
   ****

Appendix D

Biology Reports

Appendix D1

CNDDB Survey

Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database

Query Criteria: Quad IS (San Fernando (3411834) OR Oat Mountain (3411835) OR Canoga Park (3411825) OR Van Nuys (3411824) OR Burbank (3411823) OR Sunland (3411833) OR Newhall (3411845) OR Mint Canyon (3411844) OR Agua Dulce (3411843))
 AND Taxonomic Group IS (Ferns OR Gymnosperms OR Monocots OR Dicots OR Lichens OR Bryophytes)

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Astragalus brauntonii Braunton's milk-vetch	PDFAB0F1G0	Endangered	None	G2	S2	1B.1
Atriplex parishii Parish's brittlescale	PDCHE041D0	None	None	G1G2	S1	1B.1
Berberis nevinii Nevin's barberry	PDBER060A0	Endangered	Endangered	G1	S1	1B.1
California macrophylla round-leaved filaree	PDGER01070	None	None	G3?	S3?	1B.2
Calochortus clavatus var. gracilis slender mariposa-lily	PMLIL0D096	None	None	G4T2T3	S2S3	1B.2
Calochortus plummerae Plummer's mariposa-lily	PMLIL0D150	None	None	G4	S4	4.2
Calystegia peirsonii Peirson's morning-glory	PDCON040A0	None	None	G4	S4	4.2
Centromadia parryi ssp. australis southern tarplant	PDAST4R0P4	None	None	G3T2	S2	1B.1
Chorizanthe parryi var. fernandina San Fernando Valley spineflower	PDPGN040J1	Proposed Threatened	Endangered	G2T1	S1	1B.1
Deinandra minthornii Santa Susana tarplant	PDAST4R0J0	None	Rare	G2	S2	1B.2
Dodecahema leptoceras slender-horned spineflower	PDPGN0V010	Endangered	Endangered	G1	S1	1B.1
Dudleya blochmaniae ssp. blochmaniae Blochman's dudleya	PDCRA04051	None	None	G3T2	S2	1B.1
Dudleya multicaulis many-stemmed dudleya	PDCRA040H0	None	None	G2	S2	1B.2
Harpagonella palmeri Palmer's grapplinghook	PDBOR0H010	None	None	G4	S3	4.2
Helianthus inexpectatus Newhall sunflower	PDAST4N250	None	None	G1	S1	1B.1
Horkelia cuneata var. puberula mesa horkelia	PDROS0W045	None	None	G4T1	S1	1B.1
Lasthenia glabrata ssp. coulteri Coulter's goldfields	PDAST5L0A1	None	None	G4T2	S2	1B.1
Lepidium virginicum var. robinsonii Robinson's pepper-grass	PDBRA1M114	None	None	G5T3	S3	4.3

Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Malacothamnus davidsonii Davidson's bush-mallow	PDMAL0Q040	None	None	G2	S2	1B.2
Monardella hypoleuca ssp. hypoleuca white-veined monardella	PDLAM180A3	None	None	G4T3	S3	1B.3
Navarretia fossalis spreading navarretia	PDPLM0C080	Threatened	None	G2	S2	1B.1
Navarretia setiloba Piute Mountains navarretia	PDPLM0C0S0	None	None	G2	S2	1B.1
Opuntia basilaris var. brachyclada short-joint beavertail	PDCAC0D053	None	None	G5T3	S3	1B.2
Orcuttia californica California Orcutt grass	PMPOA4G010	Endangered	Endangered	G1	S1	1B.1
Pseudognaphalium leucocephalum white rabbit-tobacco	PDAST440C0	None	None	G4	S2	2B.2
Senecio aphanactis chaparral ragwort	PDAST8H060	None	None	G3	S2	2B.2
Symphyotrichum greatae Greata's aster	PDASTE80U0	None	None	G2	S2	1B.3

Record Count: 27

Appendix D2

CNPS Survey

September 27, 2017

Hoda El Sokkary, P.E., MSc.
Senior Capital Projects Manager
Los Angeles County Public Works
900 S. Fremont Avenue
Alahambra, CA 91803

Subject: Special-Status Plant Survey Report – Survey Results for the Olive View-UCLA Medical Center Campus Master Plan Project located in Sylmar, Los Angeles County, California

Dear Ms. El Sokkary:

This report documents the results of focused special-status plant surveys conducted by ICF (consultant to the Los Angeles County Department of Public Works) between April 2017 and May 2017 in support of the proposed Olive View-UCLA Medical Center Campus Master Plan Project (Project).

Location

The Project site is located at 14445 Olive View Drive on several parcels of land owned by the County of Los Angeles. The campus is located within the community of Sylmar, at the north end of the San Fernando Valley, in the City of Los Angeles, California. Specifically, the site is bounded by the Angeles National Forest and Wilson Canyon Debris Basin on the north, Olive View Drive on the south, Los Angeles County Flood Control District facilities and Wilson Canyon Park on the east, and Bucher Avenue to the west. Kennedy Road and Cobalt Street intersect the Project site in a north to south orientation. The Project site is located east of the I-5 freeway and north of the I-210 freeway (Figure 1).

The Project site is depicted within Township 3 North, Range 15 West, Sections 21 and 22 of the San Fernando, California, U.S. Geological Survey 7.5-minute quadrangle map (Figure 2).

Existing Conditions

The 230-acre Project site is located at the Olive View-UCLA Medical Center campus and consists of 31 permanent buildings and 29 trailers and other modular structures. The Project abuts the foothills of the San Gabriel Mountains, which are a part of the Angeles National Forest. Horse trails and hiking trails run along the northern edge of the campus. Predominantly single-family residential neighborhoods are located to the east of the campus. A mix of single-family (including ranch style homes with equestrian facilities) residences, multi-family residences, and some commercial uses are located to the south of the campus across Olive View Drive. Residential uses are also located just west of the campus and north of I-210.

Developed areas make up a majority of the study area followed by disturbed habitat. These areas have been physically altered and include existing campus infrastructure, medium-density residential communities, roads and hardscape structures, other manmade features, and ornamental trees. Disturbed habitat includes areas permanently altered by previous human activity including grading, repeated clearing, and dirt roads. Disturbed habitat is typically characterized by more than 50 percent bare ground and absence of remnant native vegetation. Disturbed habitat within the study area surrounds existing development within the Project site, and is dominated by nonnative grasses and other species, including ripgut grass (*Bromus diandrus*), wild oat (*Avena barbata*), tocalote (*Centaurea melitensis*), shortpod mustard (*Hirschfeldia incana*), indian hedgemustard (*Sisymbrium oritentale*), and Russian thistle (*Salsola* tragus).

Additional habitat types within the study area include California sagebrush scrub dominated by California sagebrush (*Artemesia californica*), Eucalyptus groves consisting of several species of Eucalyptus (*Eucalyptus spp.*) and Coast live oak woodland dominated by coast live oaks (*Quercus agrifolia*) (Figure 3).

Methods

Literature Review

A literature review of the relevant regional databases for special-status plants in the vicinity of the Project site was performed prior to conducting the field surveys. Special-status plants include those federally listed as endangered, threatened, or proposed for listing; state-listed as endangered, threatened, rare, or proposed for listing, or having a California Rare Plant Rank (CRPR) of 1B, 2, 3, or 4. CRPR 1B plants are "plants rare, threatened, or endangered in California and elsewhere," CRPR 2 plants are "plants rare, threatened, or endangered in California but more common elsewhere"; CRPR 3 plants are "plants about which we need more information - a review list"; and CRPR 4 plants are "plants of limited distribution – a watch list." The literature review included the following:

- The California Natural Diversity Database (CNDDB;CDFW 2017) 9-quad search for the Project site centered on the San Fernando USGS 7.5' Quadrangle;
- The California Native Plant Society (CNPS;CNPS 2017) 9-quad search for the Project site centered on the San Fernando USGS 7.5' Quadrangle;
- Topographic maps for the study area (Google Earth 2017-dated July 28, 2017).

The results of the literature review were compiled into a list of potentially occurring special-status plant species (Appendix A) and each species was analyzed for its potential to occur within the Project site based on a variety of conditions including range, elevation, soils, and vegetation communities.

Focused Special-Status plant Survey

Focused special-status plant surveys were conducted during the growing and blooming season using two visits to the Project site. Special-status plant surveys were conducted within suitable habitat in the Project Study Area (PSA) which included the Project site plus a 100-ft buffer (Figure 3). Table 1 provides dates, times, personnel, and weather conditions at the time of the surveys.

Focused special-status plant surveys were floristic in nature and performed in accordance with survey protocols set forth by *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant*

Populations and Natural Communities (CDFG 2009). Focused surveys were conducted on foot and consisted of meandering transects so as to physically observe all portions of potentially suitable habitat within the PSA. During focused surveys, all plant species observed were recorded in field notes and any unknown plants encountered were collected and identified in the field or back in the laboratory using *The Jepson Manual: Vascular Plants of California* (Baldwin et al. 2012). All plant species observed were identified to the taxonomic level necessary (species, subspecies, or variety) to determine rarity. A comprehensive list of all plant species observed within the PSA is provided in Appendix B. Photographs were taken to document the conditions during the focused surveys (Appendix C).

Table 1. Survey Dates, Personnel, and Weather Conditions

Visit	Date	Time	Biologist	Conditions
1	4/19/2017	0830-1430	Phillip Richards	62 – 80°F, sunny, winds 2--6 mph
2	5/15/2017	0830-1445	Phillip Richards	56 – 60°F, cloudy, winds 2-5 mph

Results

Literature Review

Based on the CNDDB and CNPS 9-quad search, 30 special-status plant species were evaluated for potential to occur within the PSA:

- Braunton's milk-vetch (*Astragalus brauntonii*)
- Parish's brittlescale (*Atriplex parishii*)
- Nevin's barberry (*Berberis nevinii*)
- Round-leaved filaree (*California macrophylla*)
- Slender mariposa-lily (*Calochortus clavatus* var. *gracilis*)
- Plummer's mariposa-lily (*Calochortus plummerae*)
- Peirson's morning-glory (*Calystegia peirsonii*)
- Lewis' evening-primrose (*Camissoniopsis lewisii*)
- Southern tarplant (*Centromadia parryi* ssp. *australis*)
- San Fernando Valley spineflower (*Chorizanthe parryi* var. *fernandina*)
- Santa Susana tarplant (*Deinandra minthornii*)
- Slender-horned spineflower (*Dodecahema leptoceras*)
- Blochman's dudleya (*Dudleya blochmaniae* ssp. *blochmaniae*)
- Many-stemmed dudleya (*Dudleya multicaulis*)
- Palmer's grapplinghook (*Harpagonella palmeri*)
- Newhall sunflower (*Helianthus inexpectatus*)
- Vernal barley (*Hordeum intercedens*)
- Mesa horkelia (*Horkelia cuneata* var. *puberula*)
- Coulter's goldfields (*Lasthenia glabrata* ssp. *coulteri*)
- Robinson's pepper-grass (*Lepidium virginicum* var. *robinsonii*)
- Theodore Payne's bush lupine (*Lupinus paynei*)
- Davidson's bush-mallow (*Malacothamnus davidsonii*)

- White-veined monardella (*Monardella hypoleuca* ssp. hypoleuca)
- Spreading navarretia (*Navarretia fossalis*)
- Paiute Mountains navarretia (*Navarretia setiloba*)
- Short-joint beavertail (*Opuntia basilaris* var. *brachyclada*)
- California Orcutt grass (*Orcuttia californica*)
- White rabbit-tobacco (*Pseudognaphalium leucocephalum*)
- Chaparral ragwort (*Senecio aphanactis*)
- Greata's aster (*Symphyotrichum greatae*)

Each species was evaluated for the potential to occur within the PSA based on a variety of factors such as range, elevation, soils, and vegetation communities (Appendix A). Of the 30 special-status plants identified, 15 were deemed to have a low to moderate potential to occur and included Braunton's milk-vetch, Nevin's barberry, Slender mariposa-lily, Plummer's mariposa-lily, Peirson's morning-glory, southern tarplant, San Fernando Valley spineflower, slender-horned spineflower, mesa horkelia, Robinson's pepper-grass, Theodore Payne's bush lupine, Davidson's bush-mallow, white-veined monardella, Paiute Mountains navarretia, and white rabbit-tobacco. The remaining 15 were not expected based on elevation range and/or lack of suitable conditions.

Results

General Floristics

A total of 111 plant species (Appendix B), representing 36 plant families were identified within the PSA. Of this total, 72 (65 percent) are native to southern California and 39 (35 percent) are nonnative, introduced species.

Special-Status Plants

No special-status plants were observed during the focused survey effort and are presumed to be absent from the PSA.

If you have questions or need clarifications regarding this report, please contact me at (949) 333-6643 or Phillip.Richards@icfi.com.

Sincerely,

Phillip Richards
ICF Biologist

Enclosed:
Figure 1: Regional Vicinity Map
Figure 2: Topographic Study Site Map
Figure 3: Habitat Map

Appendix A: Special-Status Plant Species with Potential to Occur in the Project Study Area
Appendix B: Plant Species Detected
Appendix C: Photolog

Literature Cited

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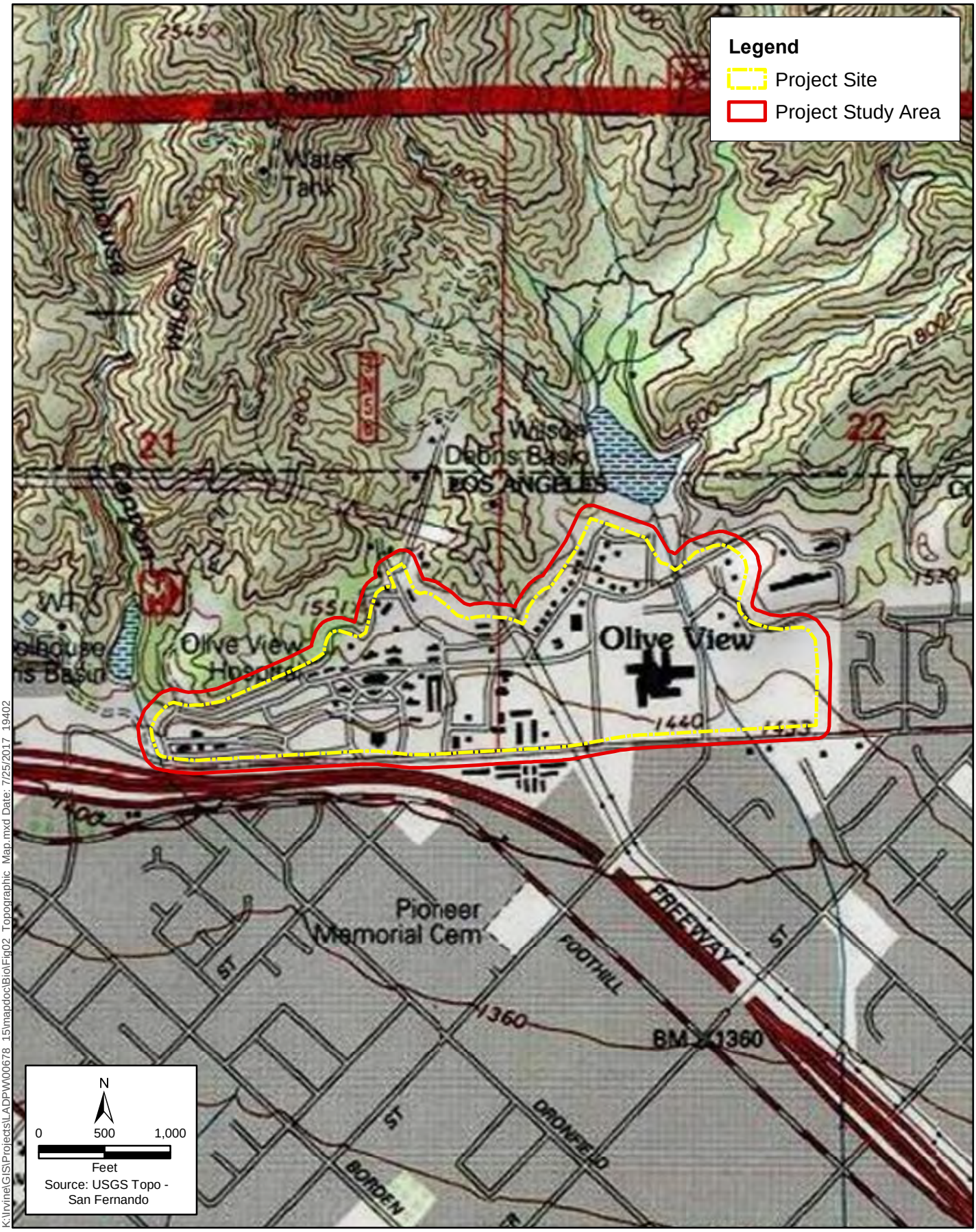
U.S. Geological Survey. 1967a. San Fernando, 7.5-minute topographic map. Reston, VA. Color, revised 1988, scale 1:24,000.

Figures

K:\Irvine\GIS\Projects\LADPW\00678 15\mapdoc\Fig01 Regional Location.mxd Date: 7/25/2017 19402

Figure 1
Regional Location
Olive View-UCLA Medical Center Master Plan



K:\Irvine\GIS\Projects\LADPW\00678_15\mapdoc\BioFig02_Topographic_Map.mxd Date: 7/25/2017 19402

ICF

Figure 2
Topographic Map
Olive View-UCLA Medical Center Master Plan

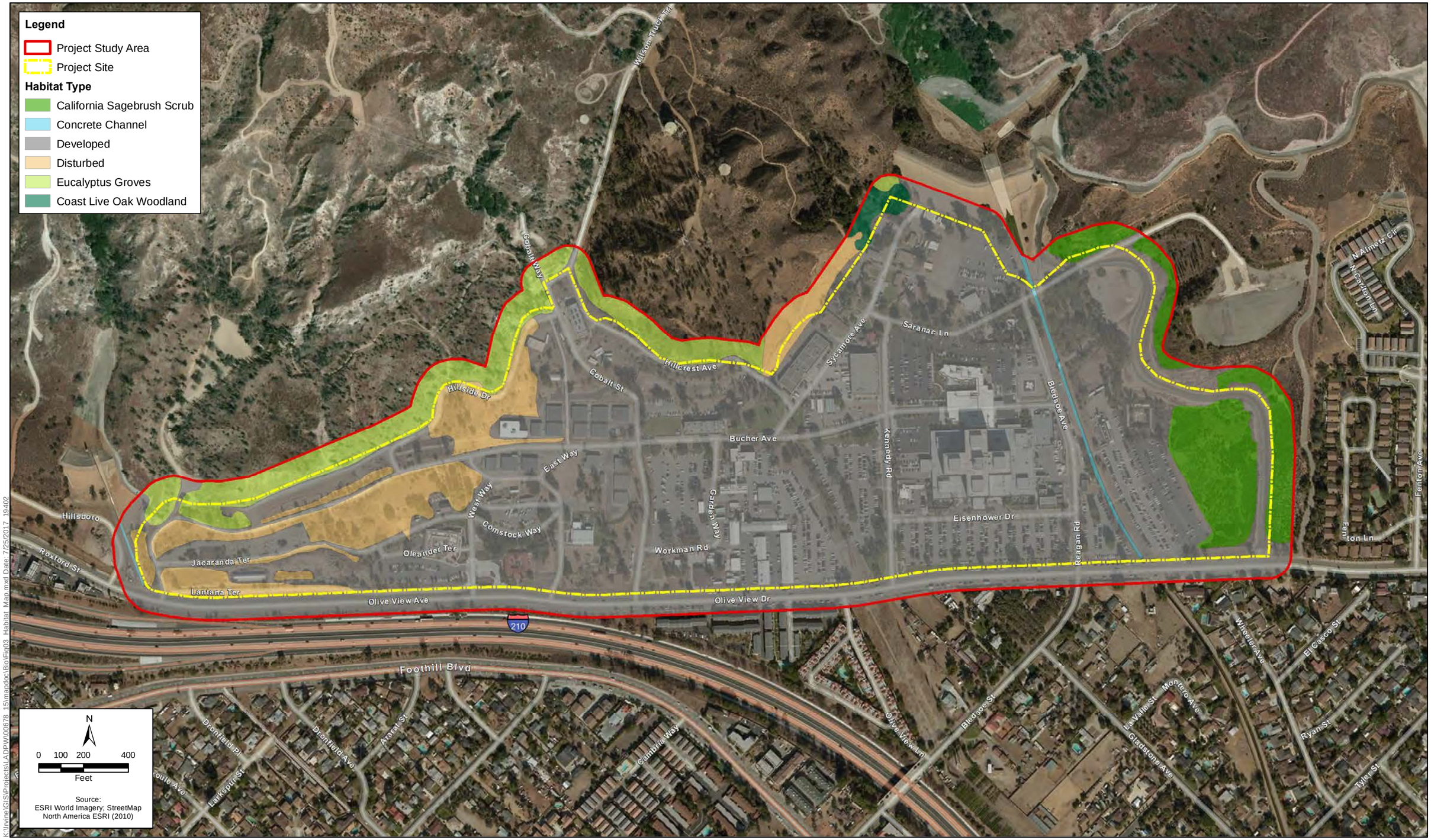


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Figure 3
Habitat Map
Olive View-UCLA Medical Center Master Plan

Appendix A

Special-Status Plant Species

Appendix A - Special-Status Plant Species with Potential to Occur in the Project Study Area

Species	Status	Habitat Requirements	Potential to Occur
Plants			
Braunton's milk-vetch (*Astragalus brauntonii*)	FE, CRPR 1B.1	Perennial herb. Occurs in recently burned and disturbed areas with sandstone and carbonite soils in chaparral, coastal scrub, and valley and foothill grasslands. Ranges 4-640 m (13– 2,099 ft) in elevation. Blooming period: January - August	Low Potential. Not expected based on the lack of suitable soils. Not observed during focused survey. Species considered absent.
Parish's brittlescale (*Atriplex parishii*)	CRPR 1B.1	Annual herb. Found in chenopod scrub, alkaline vernal pools and playas. Ranges from 25 – 1,900 m (82 – 6,232 ft) in elevation. Blooming period: June – October.	No Potential. Suitable alkaline conditions and associated vegetation communities are not present. Not observed during focused survey. Species considered absent.
Nevin's barberry (*Berberis nevinii*)	CRPR 1B.1, FE, SE	Evergreen shrub. Occurs in chaparral, cismontane woodland, coastal scrub, and riparian scrub with sandy or gravelly soils. Ranges 274 – 825 m (898 – 2,707 ft) in elevation. Blooming period: March-June.	Low Potential. North and east ends of Project site with low suitability; however, this conspicuous shrub was not observed during focused surveys. Species considered absent.
Round-leaved filaree (*California macrophylla*)	CRPR 1B.2	Annual herb. Found in clay soils in cismontane woodland and valley and foothill grassland. Ranges 15 – 1,200 m (50 – 3,936) ft in elevation. Blooming period: March–May.	No Potential. Not expected based on the lack of suitable soils. Not observed during focused survey. Species considered absent.
Slender mariposa-lily (*Calochortus clavatus* var. *gracilis*)	CRPR 1B.2	Perennial herb. Occurs in the Western Transverse Ranges and San Gabriel Mountains in shaded foothill canyons within chaparral, coastal scrub, and valley and foothill grasslands. Occurs at elevations less than 1,000 m (3,281 ft). Blooms from March to June.	Moderate Potential. North and east ends of Project site with moderate suitability; however, this species was not detected during focused surveys. Species considered absent.

Species	Status	Habitat Requirements	Potential to Occur
Plummer's mariposa-lily (*Calochortus plummerae*)	CRPR 4.2	Perennial bulbiferous herb. Found in granitic and rocky areas in chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, and valley and foothill grassland. Ranges 100 – 1,700 m (328 – 5,576 ft) in elevation. Blooming period: May – July.	Moderate Potential. North and east ends of Project site with moderate suitability; however, this species was not detected during focused surveys. Species considered absent.
Peirson's morning-glory (*Calystegia peirsonii*)	CRPR 4.2	Perennial herb. Occurs in chaparral, chenopod scrub, cismontane woodlands, coastal scrubs, valley and foothill grassland, and even lower elevation conifer forests. Ranges 30 – 1,500 m (98 – 4,920 ft) in elevation. It is typically restricted to rocky slopes, and is known only from Los Angeles County. Blooming period: April – June.	Low Potential. North edge of Project site with low suitability; however, this species was not detected during focused surveys. Species considered absent.
Lewis' evening-primrose (*Camissoniopsis lewisii*)	CRPR 3	Annual herb. Occurs in sandy or clay soils in coastal bluff scrub, cismontane woodland, coastal dunes, coastal scrub, and valley and foothill grassland. Ranges 0-300 m (0-984 ft) in elevation. Blooming period: March - June	No Potential. Study area occurs outside elevation range for the species. Species considered absent.
Southern tarplant (*Centromadia parryi* ssp. *australis*)	CRPR 1B.1	Annual herb. Found within the margin of marshes and swamps, vernally mesic soils in valley and foothill grassland, and vernal pools. Elevation range is 0 – 480 m (0 – 1,574 ft). Blooming period: May –November.	Low Potential. Some suitability around basins and terraces; however, this species was not detected during focused surveys. Species considered absent.
San Fernando Valley spineflower (*Chorizanthe parryi* var. *fernandina*)	CRPR 1B.1, FC, SE	Annual herb. Found in sandy areas on foothills, mixed grassland and chaparral communities. Occurs at elevations ranging from 90 – 500 m (295 – 1,640 ft). Blooming period is from April to July. This species has a severely limited distribution and is only known in Los Angeles, Orange, and Ventura Counties. Blooming period: April – July.	Low Potential. North and east ends of Project site with low suitability; however, this species was not detected during focused surveys. Species considered absent.

Species	Status	Habitat Requirements	Potential to Occur
Santa Susana tarplant (*Deinandra minthornii*)	CRPR 1B.2	Deciduous shrub. Found in rocky chaparral, coastal scrub, sandstone outcrops and crevices. Ranges 280 – 760 m (919 – 2,493 ft) in elevation. Blooming period: July – November.	No Potential. Not expected based on the lack of suitable soils. Not observed during focused survey. Species considered absent.
Slender-horned spineflower (*Dodecahema leptoceras*)	CRPR 1B.1, FE, SE	Annual herb. Occurs in chaparral, cismontane woodland, coastal scrub (alluvial fan sage scrub). Flood deposited terraces and washes in association with sandy soils. Ranges 200 –760 m (656 – 2,493 ft) in elevation. Blooming period: April – June.	Low Potential. North and east ends of Project site with low suitability; however, this species was not detected during focused surveys. Species considered absent.
Blochman's dudleya (*Dudleya blochmaniae* ssp. *blochmaniae*)	CRPR 1B.1	Perennial herb. Found in Coastal scrub, coastal bluff scrub, chaparral, valley and foothill grassland. Often associated with open, shallow clays over serpentine or in rocky areas with little soil. At elevations of up to 450 m (1,476 ft). Blooming period: April – June.	No Potential. Not expected based on the lack of suitable soils. Not observed during focused survey. Species considered absent.
Many-stemmed dudleya (*Dudleya multicaulis*)	CRPR 1B.2	Perennial herb. Occurs in clay soils in chaparral, coastal scrub, and valley and foothill grassland; 15 – 790 m (49 – 2,591 ft). Blooming period: April-July.	No Potential. Not expected based on the lack of suitable soils. Not observed during focused survey. Species considered absent.
Palmer's grapplinghook (*Harpagonella palmeri*)	CRPR 4.2	Annual herb. Found in chaparral, coastal scrub, valley and foothill grassland. Associated with clay soils within scrub with open grassy areas. Ranges 20 – 955 m (65 – 3,133 ft) in elevation. Blooming period: March – May.	No Potential. Not expected based on the lack of suitable soils. Not observed during focused survey. Species considered absent.
Newhall sunflower (*Helianthus inexpectatus*)	CRPR 1B.1	Perennial herb. Occurs in marshes and swamps, and riparian woodlands. Ranges 305 m (1,000 ft) in elevation. Blooming period: August - October	No Potential. Not expected because study area occurs outside elevation range and lacks suitable mesic conditions. Species considered absent.

Species	Status	Habitat Requirements	Potential to Occur
Vernal barley (*Hordeum intercedens*)	CRPR 3.2	Annual herb. Found in coastal dunes, coastal scrub, saline flats and depressions in valley and foothill grassland, and vernal pools. Ranges 5-1,000 m (16-3,280 ft) in elevation. Blooming period: March - June	No Potential. Not expected based on the lack of suitable soils. Not observed during focused survey. Species considered absent.
Mesa horkelia (*Horkelia cuneata* var. *puberula*)	CRPR 1B.1	Perennial herb. Occurs in sandy and gravelly soils within maritime chaparral, cismontane woodland, and coastal scrub. Ranges 70 – 810 m (229 – 2,657 ft) in elevation. Blooming period: February-September.	Low Potential. North and east ends of Project site with low suitability; however, this species was not detected during focused surveys. Species considered absent.
Coulter's goldfields (*Lasthenia glabrata* ssp. *coulteri*)	CRPR 1B.1	Annual herb. Found in coastal salt marsh, coastal salt swamps, playas, vernal pools. Ranges 1 – 1,220 m (3 – 4,001 ft) in elevation. Blooming period: February-June.	No Potential. Not expected based on the lack of suitable soils and vegetation communities. Not observed during focused survey. Species considered absent.
[1]Robinson's pepper-grass (*Lepidium virginicum* var. *robinsonii*)	CRPR 4.3	Annual herb. Occurs in openings in chaparral and sage scrub Found below 885 m (2,900 ft) in elevation. Blooming period: January-July.	Low Potential. North and east ends of Project site with low suitability; however, this species was not detected during focused surveys. Species considered absent.
[1]Theodore Payne's Bush Lupine (*Lupinus paynei*)	CRPR 3.1	Perennial shrub. Found in openings in chaparral, cismontane coastal scrub, riparian scrub, valley and foothill grasslands. Ranges 220-420 m (722-1,378 ft) in elevation. Blooming period: March-May.	Low Potential. North and east ends of Project site with low suitability; however, this species was not detected during focused surveys. Species considered absent.
Davidson's bush-mallow (*Malacothamnus davidsonii*)	CRPR 1B.2	Perennial shrub. Occurs in coastal scrub, riparian woodland, chaparral, cismontane woodland. Associated with sandy washes. Ranges 607 – 2,805 ft (185 – 855 m) in	Moderate Potential. Some suitability around basins and terraces; however, this species was not detected during

[1] Species no longer recognized by Jepson Manual, but still recognized by California Native Plant Society.

Species	Status	Habitat Requirements	Potential to Occur
		elevation. Blooming period: June – January.	focused surveys. Species considered absent.
White-veined monardella (*Monardella hypoleuca* ssp. hypoleuca)	CRPR 1B.3	Perennial herb. Found in dry slopes within chaparral and cismontane woodlands. Ranges 50 – 1,525 m (165 – 5,000 ft) in elevation. Blooming period: June – August.	Low Potential. North and east ends of Project site with low suitability; however, this species was not detected during focused surveys. Species considered absent.
Spreading navarretia (*Navarretia fossalis*)	CRPR 1B.1, FT	Annual herb. Occurs in vernal pools, chenopod scrub, marshes and swamps, playas, San Diego hardpan & San Diego claypan vernal pools, swales, depressions, and vernal pools. Ranges 30 – 655 m (98 – 2,150 ft) in elevation. Blooming period: April – June.	No Potential. Not expected based on the lack of suitable soils and vegetation communities. Not observed during focused survey. Species considered absent.
Paiute Mountains navarretia (*Navarretia setiloba*)	CRPR 1B.1	Annual herb. Found in cismontane woodland, pinyon-juniper woodland, valley and foothill grassland. Associated with clay soils or gravelly loam. Ranges 285 – 2,100 m (935 – 6,890 ft) in elevation. Blooming period: April – July.	Low Potential. North edge of Project site with low suitability; however, this species was not detected during focused surveys. Species considered absent.
Short-joint beavertail (*Opuntia basilaris* var. *brachyclada*)	CRPR 1B.2	Shrub. Occurs in sandy soil or coarse, granitic loam in chaparral, Joshua tree woodland, Mojavean desert scrub, and pinyon-juniper woodlands. . Ranges 425 – 1,800 m (1,395 – 5,905 ft) in elevation. Blooming period: April – June.	No Potential. Species not reported as occurring on the cismontane foothills of San Gabriel mountains. Species considered absent.
California Orcutt grass (*Orcuttia californica*)	CRPR 1B.1, FE, SE	Annual grass. Restricted to the deeper portions of undisturbed vernal pools. Ranges 197 – 2165 ft (60 – 660 m) in elevation. Blooming period: April – August.	No Potential. Not expected based on the lack of suitable vernal pool conditions. Not observed during focused survey. Species considered absent.
White rabbit-tobacco (*Pseudognaphalium leucocephalum*)	CRPR 2B.2	Perennial herb. Occurs in dry, sandy creek bottoms within chaparral, cismontane woodland, coastal scrub, and riparian woodland habitats.	Low Potential. North and east ends of Project site with low suitability; however, this

Species	Status	Habitat Requirements	Potential to Occur
		Associated with sandy or gravelly soils. Ranges 46 – 4,593 ft (14 – 1400 m) in elevation. Blooming period: August – November.	species was not detected during focused surveys. Species considered absent.
Chaparral ragwort (*Senecio aphanactis*)	CRPR 2B.2	Annual herb. Found in chaparral, cismontane woodland, and coastal scrub. Associated with drying alkaline flats. Ranges 20 – 855 m (49 – 2,625 ft) in elevation.Blooming period: January – April.	No Potential. Not expected based on the lack of suitable alkaline conditions. Not observed during focused survey. Species considered absent.
Greata's aster (*Symphyotrichum greatae*)	CRPR 1B.3	Perennial herb. Occurs in mesic areas in broadleafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, and riparian woodlands. Ranges 300 – 2,010 m (984 – 6,593 ft) in elevation. Blooming period: June – October.	No Potential. Not expected based on the lack of suitable mesic conditions. Not observed during focused survey. Species considered absent.

Appendix B

Plant Species Detected

Appendix B - Plant Species Detected

Scientific Name	Common Name	Special Status
GYMNOSPERMS		
Pinaceae - Pine family		
Pinus sp.	Pine	
EUDICOTS		
Adoxaceae - Muskroot family		
Sambucus nigra ssp. caerulea	Blue elderberry	
Anacardiaceae - Sumac Or Cashew family		
Malosma laurina	Laurel sumac	
Rhus integrifolia	Lemonade berry	
Rhus ovata	Sugar bush	
* *Schinus molle*	Peruvian pepper tree	
* *Schinus terebinthifolius*	Brazilian pepper tree	
Apocynaceae - Dogbane family		
Funastrum cynanchoides var. hartwegii	Hartweg's climbing milkweed	
* *Nerium oleander*	Oleander	
Asteraceae - Sunflower family		
Ambrosia acanthicarpa	Annual bur-sage	
Artemisia californica	California sagebrush	
Baccharis salicifolia ssp. salicifolia	Mule fat	
Brickellia californica	California brickellbush	
* *Carduus pycnocephalus ssp. pycnocephalus*	Italian thistle	
* *Centaurea melitensis*	Tocalote	
Cirsium occidentale	Cobwebby thistle	
Corethrogyne filaginifolia	Common sand aster	
Erigeron canadensis	Horseweed	
Eriophyllum confertiflorum	Golden woolly sunflower	
Hazardia squarrosa	Saw toothed goldenbush	
Helianthus annuus	Annual sunflower	
Heterotheca grandiflora	Telegraph weed	
* *Lactuca serriola*	Prickly lettuce	
Lepidospartum squamatum	California broomsage	
Leptosyne gigantea	Giant tickseed	
Malacothrix saxatilis	Cliff desert dandelion	

Scientific Name	Common Name	Special Status
* *Oncosiphon piluliferum*	Stinknet	
Pseudognaphalium biolettii	Bi-color everlasting	
Pseudognaphalium californicum	California everlasting	
Pseudognaphalium canescens	Hairy everlasting	
* *Pseudognaphalium luteoalbum*	White lamb everlasting	
* *Sonchus asper ssp. asper*	Prickly sow thistle	
* *Sonchus oleraceus*	Common sow thistle	
Taraxacum sp.	Dandelion	
Uropappus lindleyi	Silver puffs	
Boraginaceae - Borage family		
Cryptantha intermedia	Clearwater cryptantha	
Emmenanthe penduliflora	Whispering bells	
Eriodictyon crassifolium	Thickleaf yerba santa	
Phacelia distans	Wild heliotrope phacelia	
Phacelia minor	Wild canterbury bells	
Brassicaceae - Mustard family		
* *Brassica nigra*	Black mustard	
* *Hirschfeldia incana*	Shortpod mustard	
* *Sisymbrium orientale*	Indian hedgemustard	
Cactaceae - Cactus family		
Cylindropuntia californica var. parkeri	Cane cholla	
* *Opuntia ficus-indica*	Mission prickly pear	
Opuntia littoralis	Coastal prickly pear	
Chenopodiaceae - Goosefoot family		
* *Chenopodium album*	Lamb's quarters	
* *Salsola tragus*	Prickly russian thistle	
Cistaceae - Rock-rose family		
* *Cistus ladanifer*	Gum cistus	
* *Cistus sp.*	Cistus	
Convolvulaceae - Morning-glory family		
Calystegia macrostegia	Coast morning-glory	
Crassulaceae - Stonecrop family		
Dudleya lanceolata	Lance-leaved dudleya	
Dudleya pulverulenta	Chalk dudleya	

Scientific Name	Common Name	Special Status
Cucurbitaceae - Gourd family		
Marah macrocarpa	Large fruit wild cucumber	
Euphorbiaceae - Spurge family		
Croton californicus	California croton	
* *Ricinus communis*	Castorbean	
Fabaceae - Legume family		
Acmispon americanus var. americanus	Spanish-Clover	
Acmispon glaber	Deerweed	
Lupinus bicolor	Miniature lupine	
Lupinus hirsutissimus	Stinging lupine	
Lupinus truncatus	Cut leaf lupine	
* *Melilotus indicus*	Indian sweetclover	
* *Spartium junceum*	Spanish broom	
Fagaceae - Oak family		
Quercus agrifolia	Coast live oak	
Geraniaceae - Geranium family		
* *Erodium cicutarium*	Redstem filaree	
* *Erodium moschatum*	Whitestem filaree	
Lamiaceae - Mint family		
* *Marrubium vulgare*	Horehound	
Salvia mellifera	Black sage	
Malvaceae - Mallow family		
* *Malva parviflora*	Cheeseweed	
Meliaceae - Mahogany family		
* *Melia azedarach*	China berry	
Myrtaceae - Myrtle family		
* *Eucalyptus sp.*	Gum	
* *Myrtus communis*	Myrtle	
Nyctaginaceae - Four O'clock family		
Mirabilis laevis	Wishbone plant	
Oleaceae - Olive family		
Fraxinus sp.	Ash	
* *Olea europaea*	Olive	
Onagraceae - Evening Primrose family		
Camissoniopsis bistorta	California sun cup	
Clarkia rhomboidea	Diamond clarkia	

Scientific Name	Common Name	Special Status
Eulobus californicus	False-mustard	
Phrymaceae - Lopseed family		
Mimulus guttatus	Seep monkeyflower	
Plantaginaceae - Plantain family		
Keckiella cordifolia	Heartleaf bush penstemon	
Platanaceae - Plane Tree, Sycamore family		
Platanus racemosa	Western sycamore	
Polygonaceae - Buckwheat family		
Eriogonum fasciculatum	California buckwheat	
Rhamnaceae - Buckthorn family		
Rhamnus ilicifolia	Hollyleaf redberry	
Rosaceae - Rose family		
Adenostoma fasciculatum	Chamise	
Heteromeles arbutifolia	Toyon	
Prunus ilicifolia	Holly leaf cherry	
Salicaceae - Willow family		
Salix lasiolepis	Arroyo willow	
Solanaceae - Nightshade family		
Datura wrightii	Wright's jimsonweed	
* *Nicotiana glauca*	Tree tobacco	
Solanum xanti	Chaparral nightshade	
Ulmaceae - Elm family		
* *Ulmus parvifolia*	Chinese elm	
* *Ulmus pumila*	Siberian elm	
MONOCOTS		
Agavaceae - Century Plant family		
Hesperoyucca whipplei	Chaparral yucca	
Cyperaceae - Sedge family		
Cyperus eragrostis	Tall flatsedge	
Poaceae - Grass family		
* *Avena barbata*	Slender wild oat	
* *Bromus diandrus*	Ripgut brome	
* *Bromus madritensis*	Compact brome	
Elymus condensatus	Giant wildrye	
* *Hordeum murinum*	Wall barley	
* *Lamarckia aurea*	Goldentop grass	

Scientific Name	Common Name	Special Status
* *Pennisetum setaceum*	African fountain grass	
* *Stipa miliacea var. miliacea*	Smilo grass	
Stipa pulchra	Purple needle grass	
Themidaceae - Brodiaea family		
Bloomeria crocea	Common goldenstar	
Dichelostemma capitatum	Blue dicks	

Legend

*= Non-native or invasive species

Special Status:

Federal:
FE = Endangered
FT = Threatened

State:
SE = Endangered
ST =Threatened

CRPR – California Rare Plant Rank
1A. Presumed extinct in California and elsewhere
1B. Rare or Endangered in California and elsewhere
2A. Presumed extinct in California, more common elsewhere
2B. Rare or Endangered in California, more common elsewhere
3. Plants for which we need more information - Review list
4. Plants of limited distribution - Watch list

Threat Ranks
.1 - Seriously endangered in California
.2 – Fairly endangered in California
.3 – Not very endangered in California

Appendix C

Site Photographs

Photograph: 1

Photo Date: January 26, 2017

Location: East end of study area, south of Saranac Ln.

Direction: View facing southeast.

Comment: Photo depicts native scrub habitat.

Photograph: 2

Photo Date: January 26, 2017

Location: East end of study area, south of Saranac Ln.

Direction: View facing northwest.

Comment: Photo depicts native scrub habitat.

Photograph: 3

Photo Date: January 26, 2017

Location: Northeast corner of the study area.

Direction: View facing southwest.

Comment: Photo provides overview of the east end of the study area showing a mix of development, ornamental plantings, and native scrub.

	Photograph: 4 **Photo Date:** April 19, 2017 **Location:** North end of study area, north of Sycamore Avenue. **Direction:** View facing east. **Comment:** Photo depicts a mix of development, ornamental plantings, and native coast live oak trees. Dam of debris basin in background.
	Photograph: 5 **Photo Date:** April 19, 2017 **Location:** North end of the study area, between Sycamore Ave and Hill Crest Ave. **Direction:** View facing southwest. **Comment:** Photo depicts edge of development adjacent to open space associated with adjacent foothills.
	Photograph: 6 **Photo Date:** April 19, 2017 **Location:** North end of the study area, north of Cobalt St. **Direction:** View facing north. **Comment:** Photo depicts open space associated with adjacent foothills. Mix of non-native grasslands, ornamental plantings, and native scrub.

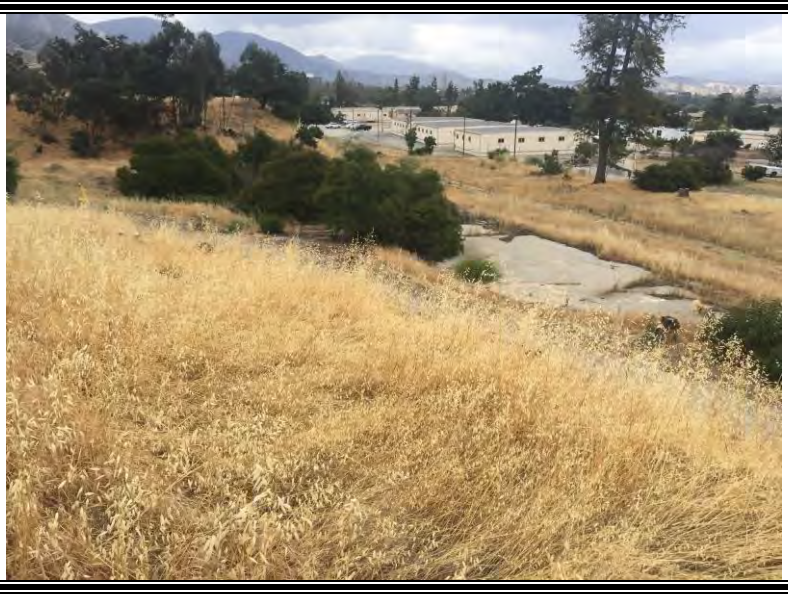
Photograph: 7

Photo Date: May 15, 2017

Location: North end of the study area, north of Hillside Dr.

Direction: View facing west.

Comment: Photo depicts open space associated with adjacent foothills. Mix of non-native grasslands, ornamental plantings, and native scrub.



Photograph: 8

Photo Date: May 15, 2017

Location: Near the center of the study area, between Hillside Dr. and Bucher Ave.

Direction: View facing southeast.

Comment: Photo depicts a mix of development, disturbed vacant lots, ornamental plantings, and native scrub.

Photograph: 9

Photo Date: May 15, 2017

Location: Near the center of the study area, between Bucher Ave. and Jacaranda Terrace.

Direction: View facing east.

Comment: Photo depicts a mix of development, disturbed vacant lots, ornamental plantings, and native oaks.

Appendix D3

Gnatcatcher Survey

June 2, 2017

Stacey Love
Recovery Permit Coordinator
Carlsbad Fish and Wildlife Office
U.S. Fish and Wildlife Service
2177 Salk Avenue, Suite 250
Carlsbad, CA 92008

Subject: 45-Day Report – Coastal California Gnatcatcher Presence/Absence Survey Results for the Olive View-UCLA Medical Center Campus Master Plan Project located in Sylmar, Los Angeles County, California

Dear Ms. Love:

This report documents the results of focused coastal California gnatcatcher (CAGN) (*Polioptila californica californica*) presence/absence surveys conducted by ICF (consultant to the Los Angeles County Department of Public Works) between November 2016 and March 2017 in support of the proposed Olive View-UCLA Medical Center Campus Master Plan Project (Project).

Location

The Project site is located at 14445 Olive View Drive on several parcels of land owned by the County of Los Angeles. The campus is located within the community of Sylmar, at the north end of the San Fernando Valley, in the City of Los Angeles, California. Specifically, the site is bounded by the Angeles National Forest and Wilson Canyon Debris Basin on the north, Olive View Drive on the south, Los Angeles County Flood Control District facilities and Wilson Canyon Park on the east, and Bucher Avenue to the west. Kennedy Road and Cobalt Street intersect the Project site. The site is located east of the I-5 freeway and north of the I-210 freeway (Figure 1).

The Project site is depicted within Township 3 North, Range 15 West, Sections 21 and 22 of the San Fernando, California, U.S. Geological Survey 7.5-minute quadrangle map (Figure 2).

Project Description

The master plan is intended to guide development of the campus over time and the delivery of health care services and health related community programs. The master plan provides alternate paths for that development and flexibility to allow the master plan to adapt to changes over time. The master plan also includes an analysis and assessment of existing campus infrastructure and buildings, future considerations and recommendations for the campus' land use, and a series of design guidelines that dictate building placement, form, and materiality.

Survey Area

The 230-acre Project site is located at the Olive View-UCLA Medical Center campus and consists of 31 permanent buildings and 29 trailers and other modular structures. The Project abuts the foothills of the San Gabriel Mountains, which are a part of the Angeles National Forest. Horse trails and hiking trails run

along the northern edge of the campus. Predominantly single-family residential neighborhoods are located to the east of the campus. A mix of single-family (including ranch style homes with equestrian facilities) residences, multi-family residences, and some commercial uses are located to the south of the campus across Olive View Drive. Residential uses are also located just west of the campus and north of I-210.

Developed areas make up a majority of the study area followed by disturbed habitat. These areas have been physically altered and include existing campus infrastructure, medium-density residential communities, roads and hardscape structures, other manmade features, and ornamental trees. Disturbed habitat is any land that has been permanently altered by previous human activity including grading, repeated clearing, and dirt roads. Disturbed land is typically characterized by more than 50 percent bare ground and absence of remnant native vegetation. Disturbed habitat within the study area surrounds existing development within the project site, and is dominated by nonnative grasses and other species, including ripgut grass (*Bromus diandrus*), wild oat (*Avena barbata*), tocalote (*Centaurea melitensis*), shortpod mustard (*Hirschfeldia incana*), indian hedgemustard (*Sisymbrium orientale*), and Russian thistle (*Salsola* tragus).

Coastal sage scrub that was considered to be suitable habitat for CAGN is located in the eastern portion of the study area (approximately 19.80 acres). This habitat is dominated by mature California sagebrush (*Artemesia californica*), California buckwheat (*Eriogonum fasciculatum*), black sage (*Salvia mellifera*), yerba santa (*Eriodictyon crassifolium*), laurel sumac (*Malosma laurina*), deerweed (*Acmispon glaber*), and toyon (*Heteromeles arbutifolia*).

Survey Methods

The survey protocol to determine presence/absence of CAGN requires a federal 10(A)1(a) permit. From November 3, 2016 through March 28, 2017, Phillip Richards (permit # TE-095896) and James Hickman (permit # TE-60218B-0) performed a focused survey for CAGN in all potentially suitable habitat. The survey area covered suitable habitat within the project limits. Figure 3 depicts the suitable CAGN habitat within the Project limits of disturbance plus a 500-foot buffer.

Nine surveys were conducted at least two weeks apart between 6:00 a.m. and 12:00 p.m. (Table 1). Surveys were not conducted during periods of excessive or abnormal heat, wind, rain, fog, or other inclement weather. Methods included slowly walking through the vegetation with frequent stops to listen and play taped CAGN vocalizations. During each visit, a taped vocalization was broadcast at least once in all potential habitat at distance intervals of approximately 23 to 30 meters (75 to 100 feet). All vertebrate species detected were recorded (Appendix B).

Table 1. Survey Dates, Personnel, and Weather Conditions

Visit	Date	Time	Biologist	Conditions
1	11/3/2016	0830-1100	James Hickman	75 – 80°F, sunny, winds 1-3 mph, good visibility
2	11/18/2016	0845-1100	James Hickman	57 – 65°F, sunny, winds 3-5 mph, good visibility
3	12/4/2016	0800-1100	James Hickman	60 – 65°F, sunny, winds 1-4 mph, good visibility
4	12/26/2016	0730-1030	James Hickman	52 – 56°F, partly cloudy, winds 0-3 mph, good visibility
5	1/26/2017	0800-1130	Phillip Richards	45 – 57°F, sunny, winds 0-8 mph, good visibility
6	2/9/2017	0800-1145	Phillip Richards	64 – 73°F, partly cloudy, winds 0-3 mph, good visibility
7	2/23/2017	0805-1135	Phillip Richards	51 – 54°F, sunny, winds 1-5 mph, good visibility
8	3/14/2017	0800-1150	Phillip Richards	68– 85°F, sunny, winds 0-3 mph, good visibility
9	3/28/2017	0800-1155	Phillip Richards	55 – 70°F, sunny, winds 1-10 mph, good visibility
USFWS Permit: Phillip Richards TE – 095896, James Hickman TE-60218B-0				

Results

No CAGN was detected on or adjacent to the Project site during any of the nine visits.

If you have questions or need clarifications regarding this report, please contact me at (949) 333-6643 or Phillip.Richards@icfi.com.

Sincerely,

Phillip Richards
ICF Biologist

Enclosed:
Figure 1: Regional Vicinity Map
Figure 2: Topographic Study Site Map
Figure 3: Study Area and Results Map

Appendix A: Site Photographs
Appendix B: Wildlife Species Detected
Appendix C: Certification Statement

Figures

K:\Irvine\GIS\Projects\LADPW\00678 15\mapdoc\Fig01 Regional Location.mxd Date: 3/4/2016 19402

Figure 1
Regional Location
Olive View-UCLA Medical Center Master Plan

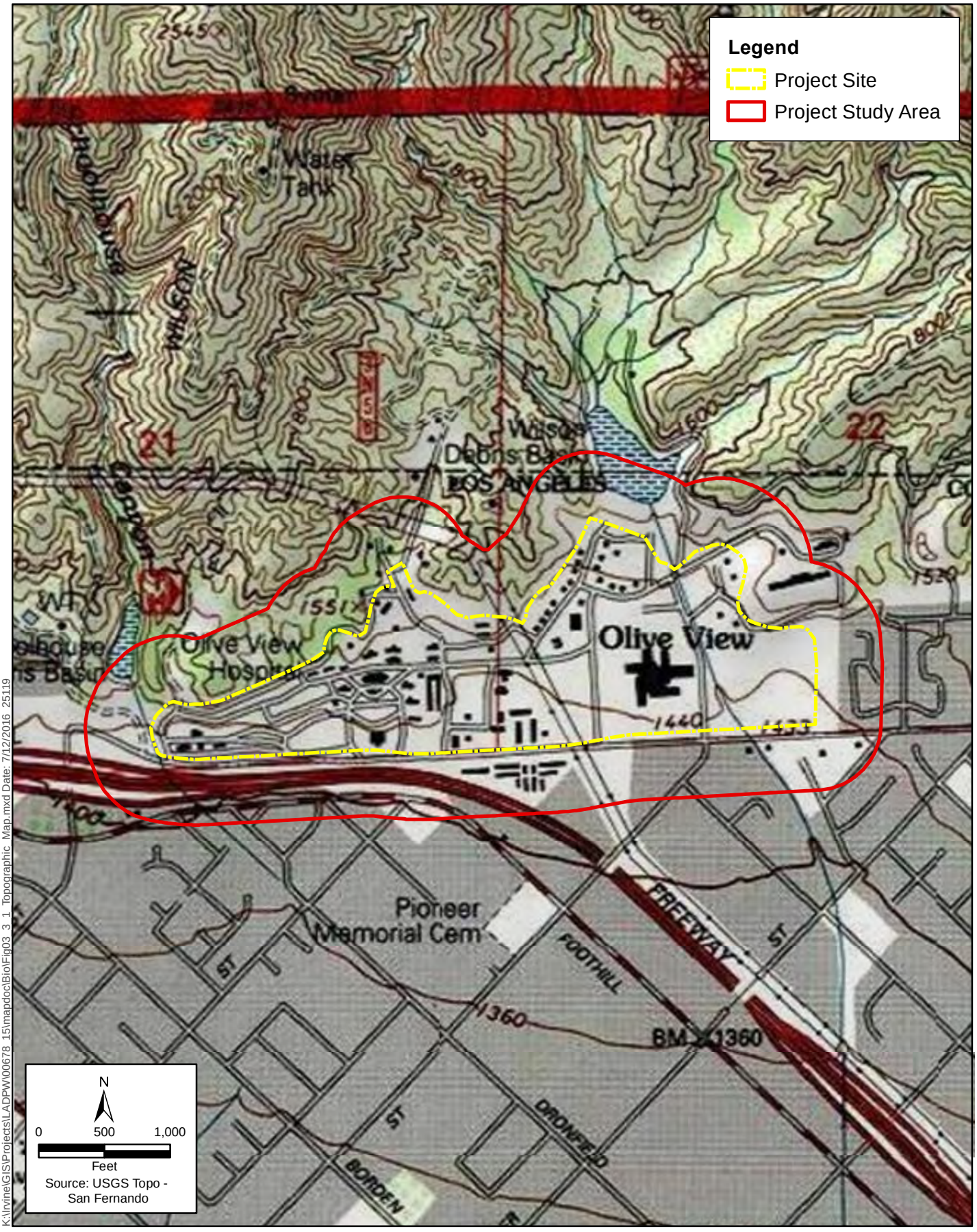


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Figure 2
Topographic Map
Olive View-UCLA Medical Center Master Plan

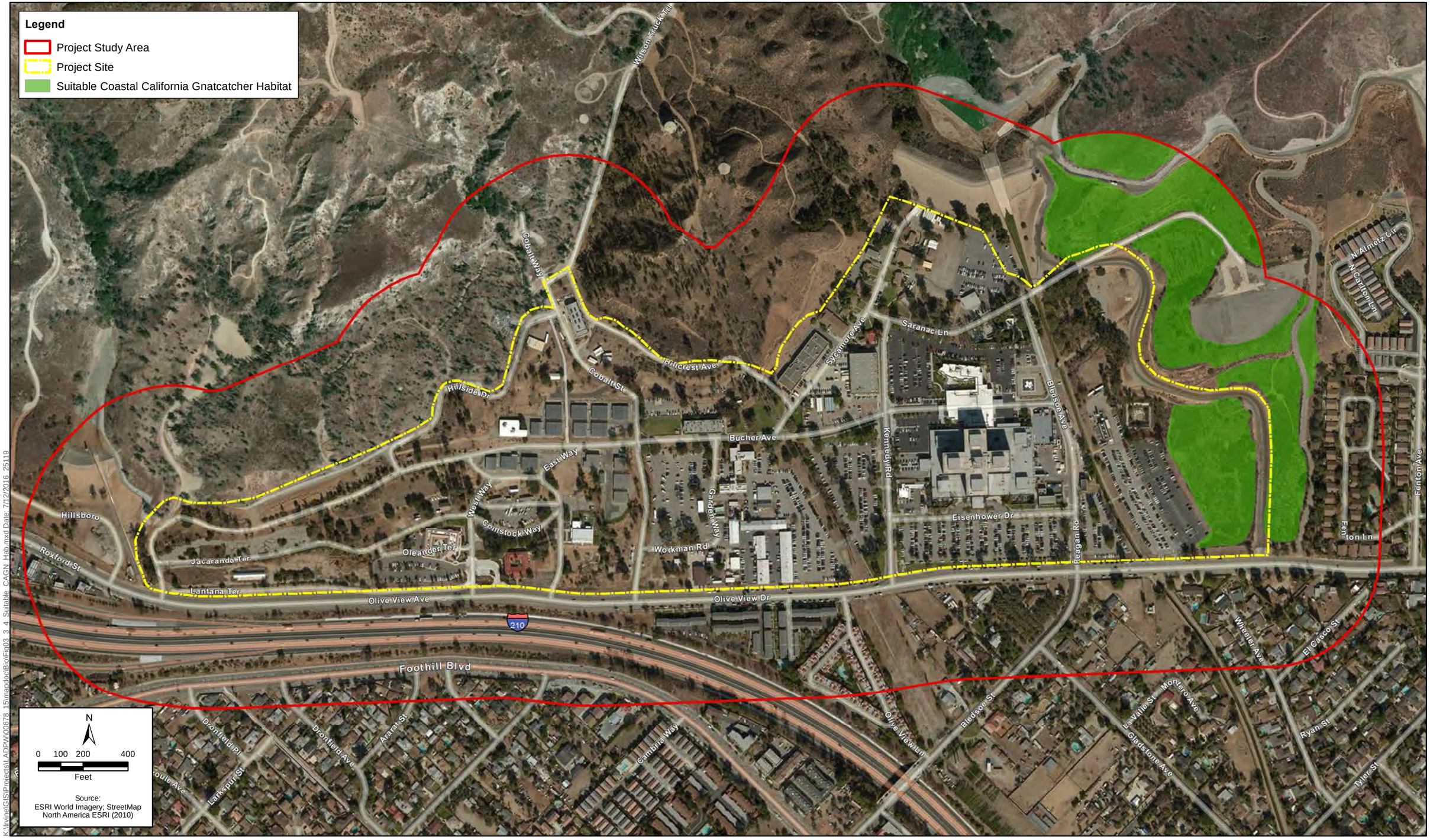

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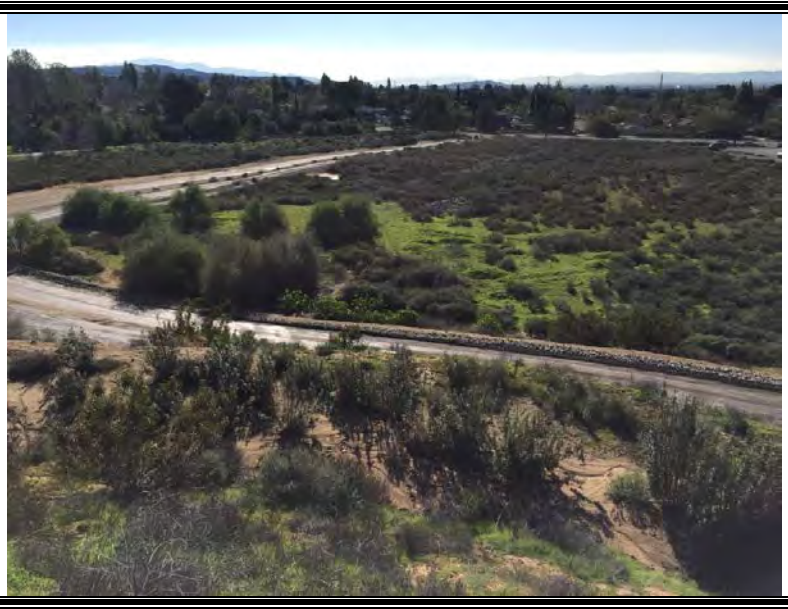
Figure 3
Suitable Coastal California Gnatcatcher Habitat
Olive View-UCLA Medical Center Master Plan

Appendix A
Site Photographs



Photograph: 1

Photo Date: January 26, 2017

Location: Center of survey area, south of large paved pad/Saranac Ln.

Direction: View facing south.

Comment: Photo depicts dense sage scrub habitat along the south end of the survey area.

Photograph: 2

Photo Date: January 26, 2017

Location: Center of survey area, south of large paved pad/Saranac Ln.

Direction: View facing west.

Comment: Photo depicts dense sage scrub habitat along the south end of the survey area.

Photograph: 3

Photo Date: January 26, 2017

Location: South end of survey area, north of Olive View Drive.

Direction: View facing northwest.

Comment: Photo depicts dense sage scrub habitat along the southern and central portions of the survey area.

Photograph: 4

Photo Date: January 26, 2017

Location: North end of survey area, north of paved pad/Saranac Ln.

Direction: View facing south.

Comment: Photo depicts mix of existing development and dense sage scrub habitat along the north end of the survey area.

Photograph: 5

Photo Date: January 26, 2017

Location: North end of survey area, north of paved pad/Saranac Ln.

Direction: View facing southwest.

Comment: Photo depicts mix of existing development and dense sage scrub habitat along the north end of the survey area.

Photograph: 6

Photo Date: January 26, 2017

Location: North end of survey area, north of paved pad/Saranac Ln.

Direction: View facing west.

Comment: Photo depicts dense sage scrub habitat along the north end of the survey area.

Appendix B

Wildlife Species Detected

Appendix B. Wildlife Species Detected

Scientific Name	Common Name	Special Status
VERTEBRATES		
Reptiles		
Phrynosomatidae - Spiny Lizard Family		
Sceloporus occidentalis	Western Fence Lizard	
Uta stansburiana elegans	Western Side-blotched Lizard	
Birds		
Odontophoridae - New World Quail Family		
Callipepla californica	California Quail	
Accipitridae - Hawk Family		
Accipiter cooperii	Cooper's Hawk	
Buteo jamaicensis	Red-tailed Hawk	
Columbidae - Pigeon and Dove Family		
**Columba livia*	Rock Pigeon	
Patagioenas fasciata	Band-tailed Pigeon	
**Streptopelia decaocto*	Eurasian Collared-Dove	
Zenaida macroura	Mourning Dove	
Trochilidae - Hummingbird Family		
Calypte anna	Anna's Hummingbird	
Selasphorus sasin	Allen's Hummingbird	
Picidae - Woodpecker Family		
Melanerpes formicivorus	Acorn Woodpecker	
Sphyrapicus ruber	Red-breasted Sapsucker	
Picoides nuttallii	Nuttall's Woodpecker	
Colaptes auratus	Northern Flicker	
Tyrannidae - Tyrant Flycatcher Family		
Sayornis nigricans	Black Phoebe	
Sayornis saya	Say's Phoebe	
Tyrannus vociferans	Cassin's Kingbird	
Tyrannus verticalis	Western Kingbird	
Corvidae - Jay and Crow Family		
Aphelocoma californica	California Scrub-Jay	
Corvus brachyrhynchos	American Crow	
Corvus corax	Common Raven	

Scientific Name	Common Name	Special Status
Hirundinidae - Swallow Family		
Stelgidopteryx serripennis	Northern Rough-winged Swallow	
Petrochelidon pyrrhonota	Cliff Swallow	
Hirundo rustica	Barn Swallow	
Paridae - Titmouse Family		
Baeolophus inornatus	Oak Titmouse	
Aegithalidae - Bushtit Family		
Psaltriparus minimus	Bushtit	
Troglodytidae - Wren Family		
Troglodytes aedon	House Wren	
Thryomanes bewickii	Bewick's Wren	
Mimidae - Thrasher Family		
Toxostoma redivivum	California Thrasher	
Mimus polyglottos	Northern Mockingbird	
Sturnidae - Starling Family		
**Sturnus vulgaris*	European Starling	
Ptilogonatidae - Silky-flycatcher Family		
Phainopepla nitens	Phainopepla	
Parulidae - Wood-Warbler Family		
Setophaga coronata	Yellow-rumped Warbler	
Emberizidae - Sparrow Family		
Pipilo maculatus	Spotted Towhee	
Aimophila ruficeps canescens	Southern California Rufous-crowned Sparrow	
Melozone crissalis	California Towhee	
Melospiza melodia	Song Sparrow	
Zonotrichia leucophrys	White-crowned Sparrow	
Junco hyemalis	Dark-eyed Junco	
Fringillidae - Finch Family		
Haemorhous mexicanus	House Finch	
Carduelis psaltria	Lesser Goldfinch	
Passeridae - Old World Sparrow Family		
**Passer domesticus*	House Sparrow	
Mammals		
Leporidae - Hare and Rabbit Family		
Sylvilagus audubonii	Desert Cottontail	

Scientific Name	Common Name	Special Status
Geomyidae - Pocket Gopher Family		
Thomomys bottae	Botta's Pocket Gopher	
Canidae - Canid Family		
Canis latrans	Coyote	

Legend

*= Non-native or invasive species

Special Status:

Federal:
FE = Endangered
FT = Threatened

State:
SE = Endangered
ST =Threatened
CSC = California Species of Special Concern
CFP = California Fully Protected Species

Appendix C

Certification Statement

I certify that the information contained in this survey report and attached exhibits fully and accurately represents my work. Should you have any questions regarding the methodology or findings in this report, please do not hesitate to contact James Hickman by email (James.Hickman@icfi.com) or call (909) 255-7161.

Sincerely,

James Hickman
Permit# TE-60218B-0

I certify that the information contained in this survey report and attached exhibits fully and accurately represents my work. Should you have any questions regarding the methodology or findings in this report, please do not hesitate to contact Phillip C. Richards by email (Phillip.Richards@icfi.com) or call (949) 333-6643.

Sincerely,

Phillip C. Richards
Permit# TE-095896