



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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IN REPLY PLEASE

REFER TO FILE: **AE-3**

August 18, 2015

REQUEST FOR PROPOSALS – ADDENDUM 2 AS-NEEDED WEATHER FORECASTING SERVICES (2015-AN019)

Please take note of the following revisions to the Request for Proposals (RFP) for the As-Needed Weather Forecasting Services (2015-AN019), issued on August 3, 2015. (Please note that **bold** text has been added, and any text that has a ~~strikethrough~~ has been deleted from the RFP.) Questions presented in the clarification section of this addendum represent the questions asked by Proposers in the form and context as submitted.

Please be reminded that the deadline to submit proposals is **Monday, August 24, 2015, by 5:30 p.m.**

ADDENDUM

1. Part I, Section 1, Item B, Minimum Mandatory Requirements has been changed to read:
2. Proposer's managing employee must have a Bachelor of Arts or **Bachelor of Science** degree in Meteorology and be a Certified Consulting Meteorologist with the American Meteorological Society.

CLARIFICATIONS

1. **Question:** Is there a difference between a "Pre-Storm Daily Forecast" and a "Daily Forecast"? During the anticipated wet conditions expected this year under strong El Nino conditions, it can be expected that there will be a number of periods of successive storms that models and our forecast experience will be able

to anticipate. The requirement for pre-storm updates starting 4 days before plus the daily forecasts may result in overlap and the number of units of work effort required. This would also impact the project plan and our "Schedule of Price".

Response: Yes, the main difference between the "PreStorm Daily Forecast" and the "Daily Forecast" is the four days lead time that our crews will need to prepare for a storm event. See Enclosure A for an example of the "Pre Storm Daily Forecast".

2. **Question:** Please confirm if our college degrees in meteorology would satisfy one of the basic requirements even though the degrees were called "Bachelor of Arts" vs "Bachelor of Science" degrees. The same applies to our Masters of Arts degree in meteorology in the case of our graduate work. By virtue of our having a combined 72 years of experience working for the federal government as professional meteorologists in southern California, I would assume that either a Bachelor of Arts or a Bachelor of Science would be considered equally for the collegiate requirement of this RFP?

Response: Please refer to Item 1 of the Addendum section above.

3. **Question:** My California Corporation currently has three employees and a highly qualified (non-employee) Associate. My Associate and I perform all the technical work. As the President and CEO, I perform Quality Assurance on an ongoing basis for every service we provide in accordance with the professional standards of the American Meteorological Society and the National Weather Service, whether it be for forecasting in southern California, analyzing weather and atmospheric conditions, or other meteorological and oceanographic services provided. Does such a small entity as ours still require a "Quality Assurance Inspector"?

Response: Yes, a Qualified Inspector is still required, as described in Part I, Section 2, Item 7, Quality Assurance Program, and Part I, Section 4.E.4

4. **Question:** Additionally, in the case of our very small company, what kind of documentation is needed with respect to the requirements for Child support compliance, Gain and Grow programs, Injury/Illness prevention programs and Jury service programs?

Response: All Proposers must certify compliance with the different County programs by completing and signing the following forms:

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- Form PW-3, County of Los Angeles Contractor Employee Jury Service Program Application for Exception and Certification Form
- Form PW-4, Contractor's Industrial Safety Record
- Form PW-10, Gain an Grow Employment Commitment

Please note that if you believe your firm qualifies for the Jury Duty Service exemption, you must provide supporting documentations based on the exemption marked under Part I of Form PW-3, County of Los Angeles Contractor Employee Jury Service Program Application for Exception and Certification Form.

In regards to the Injury/Illness Prevention Program, the successful Contractor will be required to comply with the California Occupational Safety and Health Act (Cal/OSHA), Section 3203 of Title 8 in the California Code of Regulations. Please refer to Part I, Section 1, Item J, Injury and Illness Prevention Program.

5. **Question:** Do you have a sample document for the As Needed Intensive Storm Monitoring Forecast? I did not see one in the RFP.

Response: There is no sample document for this forecast. It will be in the same format as the "Daily Forecast". The main difference is that it will act as an update during storm events and will be required whenever rainfall is expected to exceed 0.5" in a four hour period.

6. **Question:** Do you have a sample document for the PreStorm Daily Forecast? I realize it will likely be similar to the Daily Forecast, but since it can be a forecast several days out ahead of the event, and the event could be 3 to 5 days long (in the extreme), this forecast could cover a week and contain a large number of values in the precipitation and temperature forecast matrices. I did not see an example of this type of forecast in the RFP. Can you provide an example?

Response: See attachment for an example of the "Pre Storm Daily Forecast". (Enclosure A)

7. **Question:** I see the map of 12 QPF Forecast Sites in Exhibit G. Are there rain gage and temperature data that may be accessed at this site? If so, May they be accessed real-time? Will the entity winning the contract be allowed continuous access to these data?

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Response: Los Angeles County will not be providing rain gage and temperature data. It is up to the contractor to determine how best to obtain the data.

If you have questions concerning the above information, please contact Mr. Andres Campaz at (626) 458-4072, Monday through Thursday, 7 a.m. to 5:30 p.m.

Very truly yours,

GAIL FARBER
Director of Public Works

A handwritten signature in black ink, appearing to read "E. Mance" or similar, with a long horizontal flourish extending to the right. Below the signature, the word "for" is written in a smaller, cursive script.

JOSE M. QUEVEDO
Assistant Deputy Director
Architectural Engineering Division

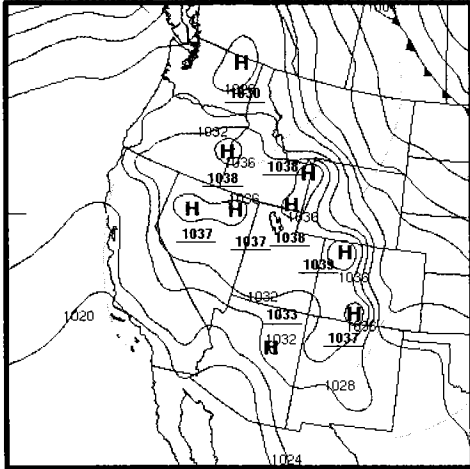
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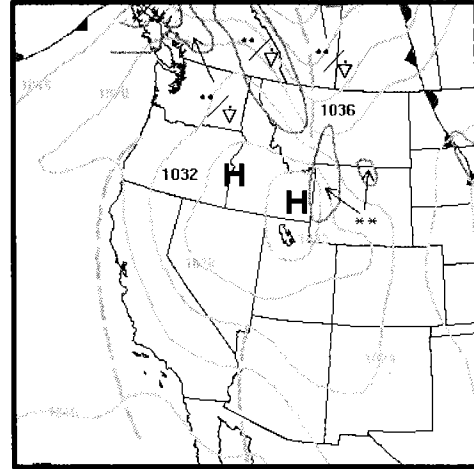
Los Angeles County Department of Public Works

Pre-Storm Daily Forecast

Updated on 1/24/15 at 1200 PST



Current Surface Map
1/24/15 0700 PST



24 Hour Surface Forecast Map
1/25/15 0400 PST

Map Source: NOAA

Synopsis

High pressure just off the coastline will slowly push eastward over the next few days. Low pressure off the coast of the southern end of the Baja will move northward as the high shifts east and will move near the vicinity of southern California by late Monday and Tuesday. Another low pressure from the southern Pacific will approach the southwestern US late in the week.

Wind Advisory

Surface high pressure to the northeast of southern California will mean strong and gusty northerly winds for LA County today and Sunday. Speeds will be at 10 to 20 mph in the lower elevations with gust of 25 to 45 mph near canyons. In the mountains gusts will reach 50 to 70 mph. By late Sunday winds will be on the decrease although they will stay breezy through most of Monday. Lighter easterly to southerly winds will be in place late Monday and Tuesday.

Los Angeles County Department of Public Works

Pre-Storm Daily Forecast

Updated on 1/24/15 at 1200 PST

Forecast

It will be mostly clear, warm and windy through Sunday. Sunday night will see increasing cloudiness with winds quickly decreasing. On Monday skies will become mostly cloudy with cooler temperatures. There will be a slight chance of showers in the mountains. Monday night and Tuesday will be mostly cloudy with scattered showers.

Temperatures

		Coast	Valleys	Mountains
Today	High	75-82	75-82	50-55
Tonight	Low	52-62	52-62	25-35
Tomorrow	High	78-85	75-85	55-62
Tomorrow Night	Low	50-55	52-62	28-35

Los Angeles County Department of Public Works

Pre-Storm Daily Forecast

Updated on 1/24/15 at 1200 PST

QPF Discussion

High pressure will give way to low pressure moving up from the south. This low will bring tropical moisture with it as it pushes northward into southern California as well as into much of the southwestern US. The current outlook is for rain showers to develop between late Monday afternoon and early Monday night and continue into Tuesday evening. The latest data indicates that this will most likely be a light rain event. Wind flow will be light and is expected to be easterly, which is unfavorable for rainfall on the west side of the county. However, if the tropical moisture that accompanies the storm turns out to be greater than what is currently expected and/or if winds are little more southerly, then storm accumulations may need to be increased in later forecasts.

Currently Expected Precipitation Accumulation:

6 PM to midnight Monday: T to 0.10" southern and eastern parts of the County

Midnight to Noon Tuesday: T to 0.20" valleys, T to 0.30" mountains

Noon to midnight Tuesday: T to 0.20" all areas

Maximum rain fall rates for the period are expected to be at 0.1 inch or less per hour. The snow level will range from 6500 to 7500 during the event with light accumulation. Above 8000 feet 1 to 2 inches will be possible.

Fire Areas

Late Monday and Tuesday should see light showers with low rainfall rates. Currently it is looking unlikely that flooding or mud flow issues will develop during this period. See above discussion for the mountains for currently expected timing, amounts and rates.

Los Angeles County Department of Public Works

Pre-Storm Daily Forecast

Updated on 1/24/15 at 1200 PST

NOTE: Table columns show amounts for 6 hour periods starting late Monday (26th).

QPF Forecast Table

Site	Time PST	18-00		00-06		06-12		12-18		18-00		00-06		06-12		12-18		
		Mon		Tue								Wed						
	Area	Mx		Mx		Mx		Mx		Mx		Mx		Mx		Mx		T
1	Santa Clara R. at I-5	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Big Rock Mesa	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	LAX	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	Dominguez Channel at I-405	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	San Gabriel R. at Whittier Narrows	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Pacoima Dam	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
7	Big Tujunga Dam	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
8	Mt. Wilson	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	Foothill Blvd. At Baseline Road	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	LA Civic Center	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Catalina Island	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Expected Snow Level: Near 6500/7500 feet Late Monday through Tuesday.																		
Mx = Maximum rainfall rate per hour																		
Reliability Factor (10 = 100% Reliability, 5 = 50% Reliability)																		
Day 1									Day 2									
6(Mon)									6(Tue)									