

Presentation to the AVIRWMP Stakeholders

November 1, 2006
Inland Energy, Inc.

Project Overview

- **Owner – City of Palmdale**
 - Development Managed by Inland Energy, Inc.
- **Location – City of Palmdale / 300 acre site**
- **Output**
 - ~570 MW (net nominal)
- **Hybrid Configuration**
 - 2 on 1 Combined Cycle (up to 570 MW) – GE 7FA CT's
 - Solar Thermal Collection Field (up to 50 MW) – Solargenix Parabolic Trough
- **Fuels**
 - Natural Gas – Kern River or So Cal Gas
 - Solar
- **Wet Cooling - Cooling Towers using reclaimed water**
- **Transmission - Interconnection with Southern California Edison's Vincent Substation – 230 kV Line**

Location of Palmdale Project

- Intersection of Sierra Hwy and Avenue M
- Northwest Corner of Plant 42, a half mile north of main runway
- ~300 acres



Artist's Rendering



Potable Water

- We currently plan to use a well for this purpose
 - 15 people maximum during an 8 hour shift, 120 gallons per person
 - 3 shifts per day/7 days a week
 - 10% operating factor
 - 5,400 gallons per day

Reclaimed Water Supply

- 3,000 gpm peak flow rate
- 3,200 afy maximum annual usage
- Reclaimed water is the preferred source – by both operators and regulatory agencies
- Tertiary treatment is required – (ZLD) solids will be land filled
- The power plant could provide an environmentally and economically attractive market for reclaimed water



Available Recycled Water Supplies (AFY)

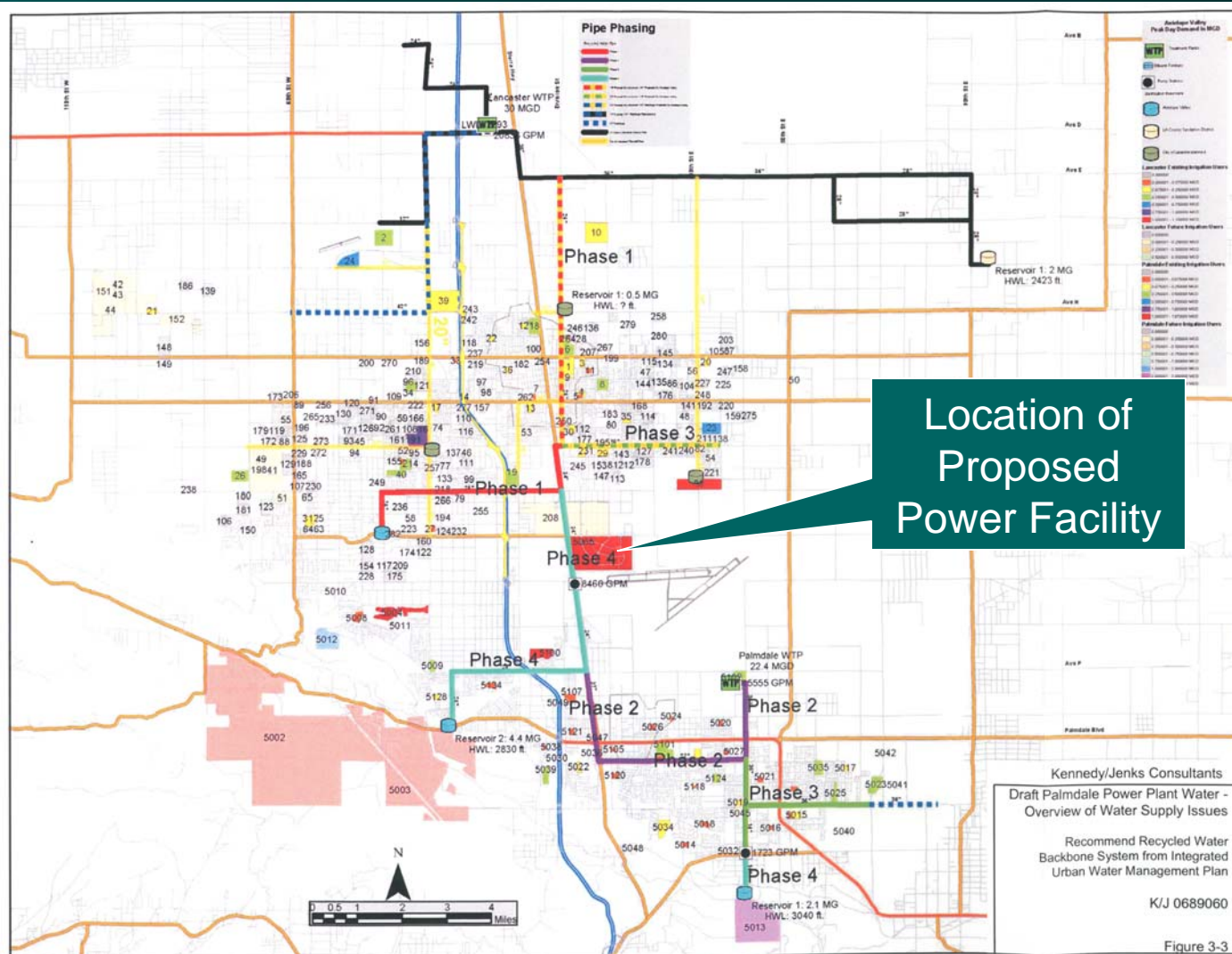
Available Recycled Water Supplies							
Source: PWRP		2004	2010	2015	2020	2025	2030
Capacity of PWRP		9,300	14,800	18,300	21,900	25,100	28,400
Planned use in Integrated UWMP			2,700	5,400	8,200	10,900	13,600
Palmdale Power Plant			3,200	3,200	3,200	3,200	3,200
Available for other uses			8,900	9,700	10,500	11,000	11,600

Suggested Reclaimed Water Line

**Water Linear
7 miles**



IUWMP Proposed Reclaimed Water Backbone System



Current Schedule

- **AFC submittal target: February 2006**
- **Data adequacy: April 2007**
- **Certificate to Construct: April 2008**
- **Construction NTP: May 2008**
- **Commercial Operation: Summer 2010**