



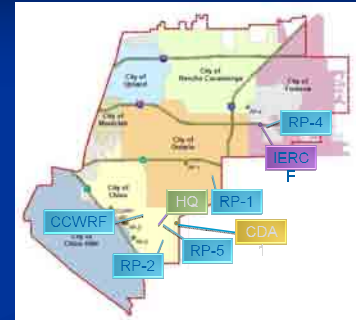
### Select Committee on Regional Approaches to Addressing the State's Water Crisis

Assemblyman Jose Solorio, Chair

### Regional Water Infrastructure and Jobs: The Inland Empire

### Inland Empire Utilities Agency

- Wholesale Imported & Recycled Water
- Wastewater Treatment (60 MGD)
- Regional Composting
- Renewable Energy
- 235 Square Miles
- 800,000 People
- 7 Facilities Operated



### IEUA Ten Year Capital Improvement Program

- \$232 million planned capital investment over ten years
- Addresses dramatic changes in region's water supply, energy and economic conditions
- Creates/retains over 2,000 new jobs and prepares region for growth
- Core Programs:
  - Regional Recycled Water Program
  - Renewable/Sustainable Energy



### Recycled Water: New, Reliable Drought Proof Water Supply

- Maximize use of available water!
  - 36,000 AF by 2009/2010
  - 50,000 AF by 2012/2013
- \$100 million invested to date, \$70 million now under implementation (\$200 million total program)
- Creates/retains @1,100 jobs
- Additional benefits:
  - Economical – 20%-50% less than potable
  - Uses 1/3 of the energy of imported water



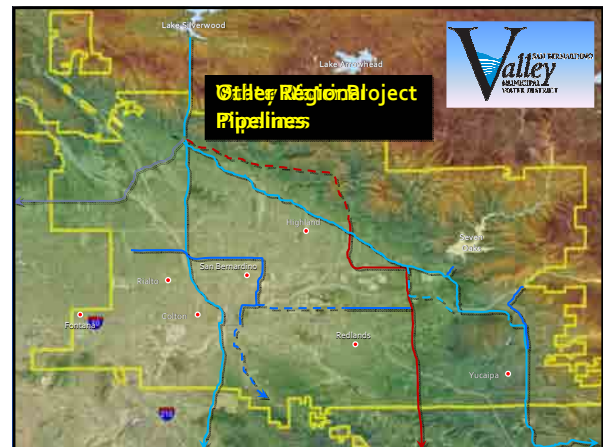
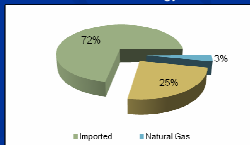
Recycled water conserves and stretches our region's drinking water supplies, helping the region to support future economic growth!

### Renewable Energy: Energy Independence and Cost Control

- Energy one of highest operational costs
- Air Quality/GHG emission concerns
- 2010: 25% Renewable
  - 3.5 MW Solar
  - 7 MW Self Generation (Biogas)
- Under development:
  - 3MW Food Waste Digestion
  - 2.8 MW Fuel Cells
  - 1MW Wind Turbine
- 2020 Goal: Go Gridless
  - Energy Efficiency Improvements
  - Additional Renewable Generation
  - Net Metering

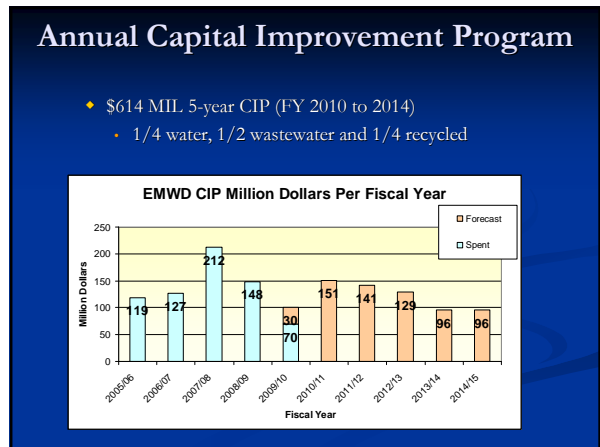
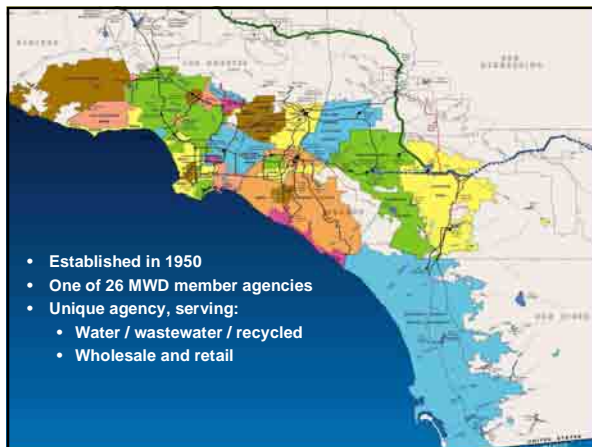
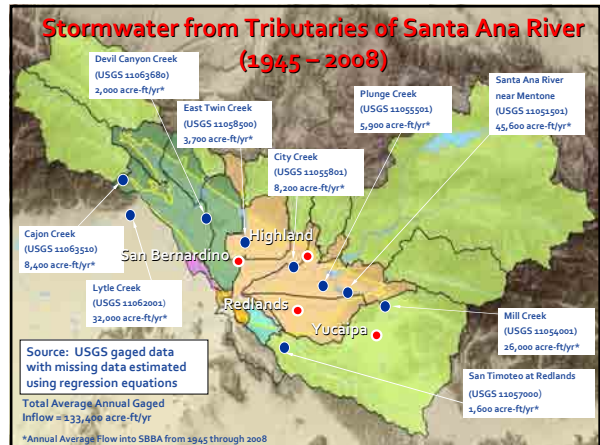
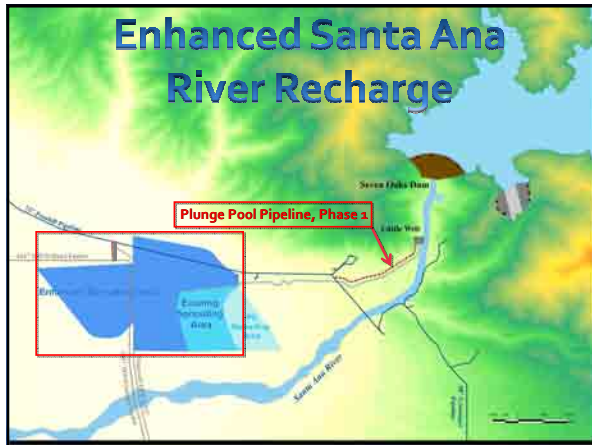


IEUA's 2010 Energy Portfolio



## Infrastructure Projects

Project	Cost (\$ millions)	Jobs	Start Date
East Branch Extension of State Water Project, Phase II	169	3,000	2010
Enhanced Santa Ana River Recharge	43	774	2011
Estimated Stormwater Available for Capture from Tributaries of the Santa Ana River	20	360	2012



## CIP Stats

- In the next 12 months, we re expecting to advertise 24 projects with a total project value of \$118 MIL.

Type	Number of Contracts	Total Project Budget
Water	8	\$43 MIL.
Sewer	15	\$64 MIL.
Recycled	1	\$11 MIL.

## Upcoming Construction Projects

- SJVRWRF Expansion
- TVRWRF 18 MGD Upgrade
- Sanderson Lift Station Forcemain
- PVRWRF Fuel Cell
- Leon RW Booster Station
- Sun City Forcemain & Recycled Water Pipeline
- Other sewer, water, and recycled water projects



## SJVRWRF Expansion

- Description:** Plant Expansion to 14 MGD capacity including headworks, secondary, tertiary, and solids handling facilities.
- Contract Value:** \$130-\$160 MIL.
- Bid Schedule:** Bids due June 3, 2010
- Project Funding:** SRF & SAWP Grant
- Construction Duration:** 54 months



## TVRWRF 18-MGD Upgrade

- Description:** 2 digesters, secondary clarifier, boiler facility, RAS pumps mods, ferric chloride facility, SCADA
- Contract Value:** \$16-\$19 MIL.
- Tentative Bid Schedule:** Summer 2010
- Project Funding:** SRF
- Construction Duration:** 34 months



## Projects Contingent upon State & Federal Funding

- Perris II Desalter, Wells, & Pipelines (\$70 Mil)
- Iron & Manganese Removal Facilities (\$17 Mil)
- Enchanted Heights Sewer System (\$10 Mil)
- Quail Valley Sewer System (\$60 Mil)
- Indirect Potable Reuse (\$30 Mil)
- Other Water, Sewer, & Recycled Water Projects



## Job Creation

- Recent analysis reveals each \$280 K of capital project expenditures results in the creation of one new job
- Based on our projected CIP expenditure of \$123 Mil / YR, we anticipate creating approximately 440 direct jobs, along with many indirect ones; such as equipment manufacturing and material suppliers



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