United States Versus Fallbrook

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- Final Judgment Requires a *Physical Solution* between U.S. and FPUD
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History of Waters of the Santa Margarita River

- US. Versus Fallbrook
- Two Dam Project
- 4 Party Agreement
- Santa Margarita Conjunctive Use Project
Santa Margarita River Conjunctive Use Project

Average Annual Yield (10,800 AFY)
IRWM Project Includes

- Environmental Permitting (CEQA/NEPA)


- Feasibility and Final Design of FPUD Facilities
Santa Margarita Conjunctive Use Project
Proposed Improvements to Diversion Facilities
Proposed Treatment/Delivery Facilities for FPUD

- New Groundwater Treatment Plant
- New Reservoir and Pump Station
Water Supply/Environmental Benefits

**Water Cutbacks**
- Provides a local supply to buffer cutbacks of the imported supplies
- Provides imported water supplies for the base during extended droughts

**Water Supply**
- Locally available groundwater that has lower energy requirements than alternative supplies
- Reduces demands on the Delta
- Resolves outstanding water rights litigation on the river

**Environment**
- Permanently Preserved 1,400 acres of high value habitat as open space
- Modify diversion dam to facilitate passage
- Maintain flows and groundwater levels required for riparian habitat and species
Changes Made to Project to Reduce Environmental Impacts

- Reduced Maximum Diversion Rate
- Provide Fish Passage Facilities and Diversion Operating Plan
- Develop Adaptive Management Plan based on real time groundwater data and modeling
- Replace Sheet Pile Weir with Inflatable Weir to Restore Sediment Transport
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Lessons for Other Project Sponsors

• Federal Matching Funds

• Consultations on Steelhead (2+ years)
  – Species Recovery in Marginal Habitat
Next Steps

• Construction of Camp Pendleton Facilities (Underway)

• Construction of FPUD Facilities (2017).