

Review of In-Region Contractual Groundwater Storage Programs



Water Planning and Stewardship Committee

Item 9-3

July 12, 2011

IRP Identifies In-Region Conjunctive Use

- Historic support for groundwater basins
 - Replenishment Service Program
 - Cyclic storage agreements
 - Groundwater Recovery Program
- IRP identified need for increased storage
 - Diamond Valley Lake
 - Inland Feeder
 - Central Valley storage agreements
 - In-region groundwater conjunctive use

Board Adopted Policy Principles in 2000

- Regional benefits
- Partnership
- Address local needs
- No unmitigated negative impacts to water supplies and quality
- Maintain financial integrity
- Phased approach
- Shared risk

Agreements Have Common Terms

- 25-year term
- Funds for facilities
- Operating committee
- Storage account with annual amounts for storage and extraction
- Water billed at full service rate when produced for a call
- Credit for costs to produce stored water

Agreements Have Common Terms

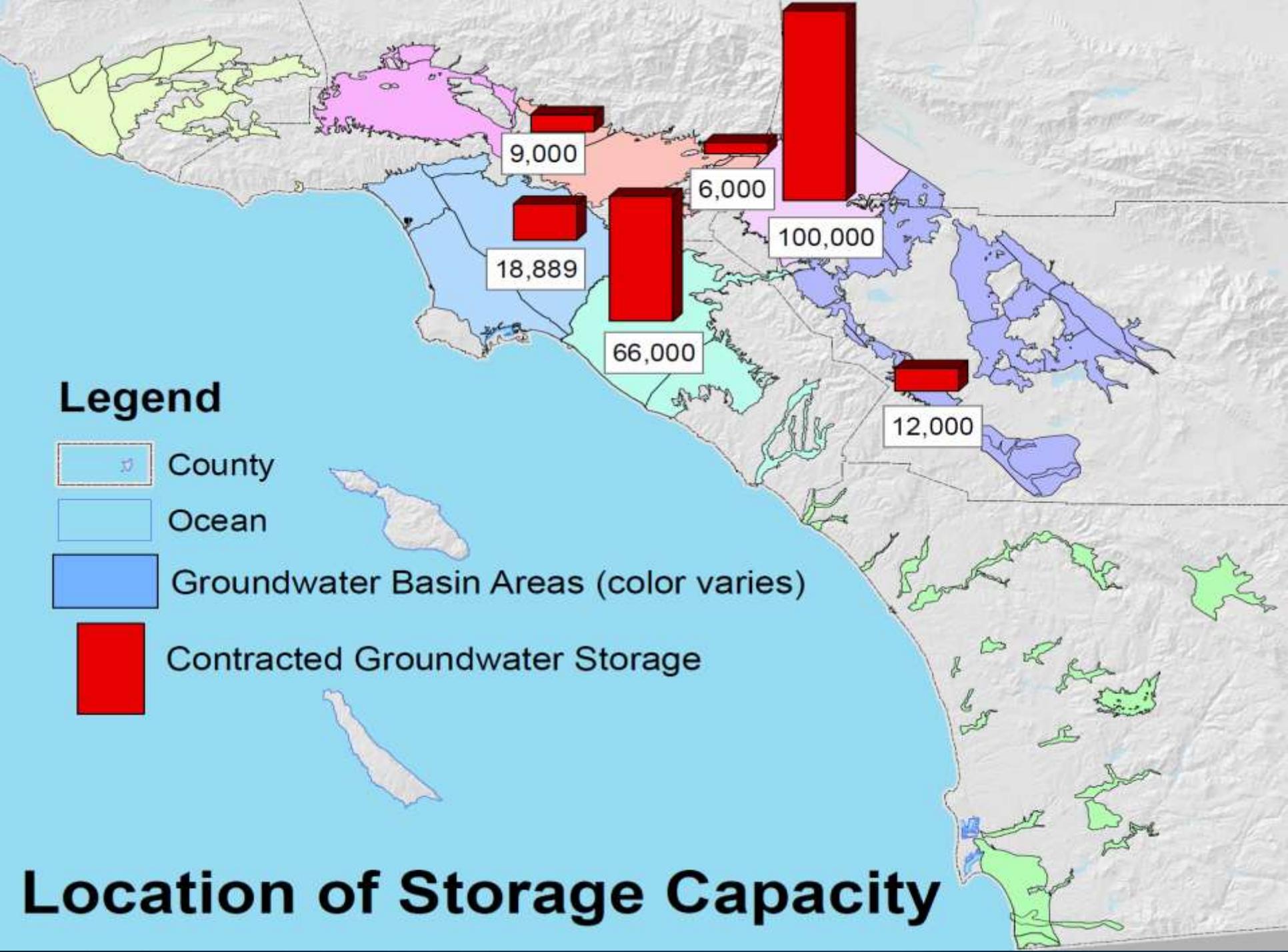
- Criteria for call performance measurement:
- Penalty for non-performance may be assessed
- Annual administrative fee

Nine Active Programs with Member Agencies

- Capacity
 - 212,000 AF of total storage
 - 53,000 AF can be stored in one year
 - 70,000 AF can be called in one year
- Capital investment
 - \$45 million of Prop. 13 funds
 - \$26 million of MWD funds
 - Local funds

Participating Member Agencies

- Long Beach
- Foothill MWD
- Three Valleys MWD
- Inland Empire Utilities Agency
- Municipal Water District of Orange County
- Santa Ana
- Anaheim
- Compton
- Western MWD



Observations Based on Recent Experience

Regional and Local Benefits Can Be Achieved

- Facilities for regional and local use
- Over 150,000 AF stored
- Nearly 137,000 AF produced during the recent drought
- Starting to store water again

Flexibility Is Important

- Unique characteristics of each basin
- Changing conditions
 - Basin water levels
 - Water quality

Administrative Challenge

- Considerable cooperative effort needed
- Operating committees are successful

Parties Must Agree on How to Share Responsibilities and Risk

- Unknown groundwater quality issues
- Changing conditions
 - Profile of imported surplus and shortage
 - Design of water supply allocation plan
- Common understanding is important

Next Steps

- Review of Replenishment Service Program
 - Complete in December 2011
- Long range finance plan process
- Storage program operating committees
 - Working on administrative adjustments

