## The Relationship Between Water Resources and Land Use Planning



Case Study #1: San Diego County Water Authority
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# Importance of Water in Regional Planning

- Coordination between land-use and water supply planning is critical
- Ensure adequate supplies to meet growth
- Protect and maximize local resources
- Become as water efficient possible



Son Diego County Water Authority

# Land-Use and Water Supply Coordination - San Diego Region CITIES/COUNTY GENERAL PLANS SANDAG'S REGIONAL GROWTH FORECAST PROJECTED WATER DEMANDS URBAN WATER MANAGEMENT PLAN FACILITIES PLANNING (CIP) WATER SUPPLY ELEMENT SANDAG REGIONAL COMPREHENSIVE PLAN WATER SUPPLY ELEMENT SANDAG REGIONAL COMPREHENSIVE PLAN WATER ASSESSMENT (SB 610) WRITTEN VERIFICATION (SB 221) CITIES/COUNTY PLANS & POLICIES

### **Urban Water Management Plan**

- Actions necessary to provide supply reliability for the region
  - Updated every 5 years; 2010 next update
- Water demand forecast based on growth and weather patterns (w/ climate change variable)
- Identify diverse resource mix to meet demands
  - Maximize local resource development
  - Adaptive to climate change
  - Conservation serves as foundation
- Shortage contingency analysis
  - Drought Management Plan



# Land-Use Plans Protect and Maximize Local Supplies

- Protect quality of local drinking water sources
- Require dual plumbing for recycled water use
- Support expansion of local projects
  - Groundwater
  - Recycled water
  - Seawater desalination





### Land-Use Planning Water Conserving Ordinances/Standards

- Adopt water efficient landscape ordinances
- Adopt "green" building codes
  - LEED certification
  - EPA WaterSense Standards
- Retrofit on resale
  - Replace high water using plumbing fixtures







