

The Relationship Between Water Resources and Land Use Planning



Case Study #1: San Diego County Water Authority
Kelley Gage, Sr. Water Resources Specialist

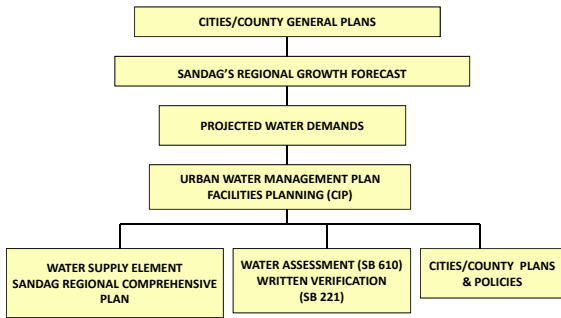


Importance of Water in Regional Planning

- 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



Land-Use and Water Supply Coordination - San Diego Region



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