



CITY OF SAN DIEGO  
PUBLIC UTILITIES  
DEPARTMENT



Presentation to NR&C

# Comprehensive Groundwater Consultant

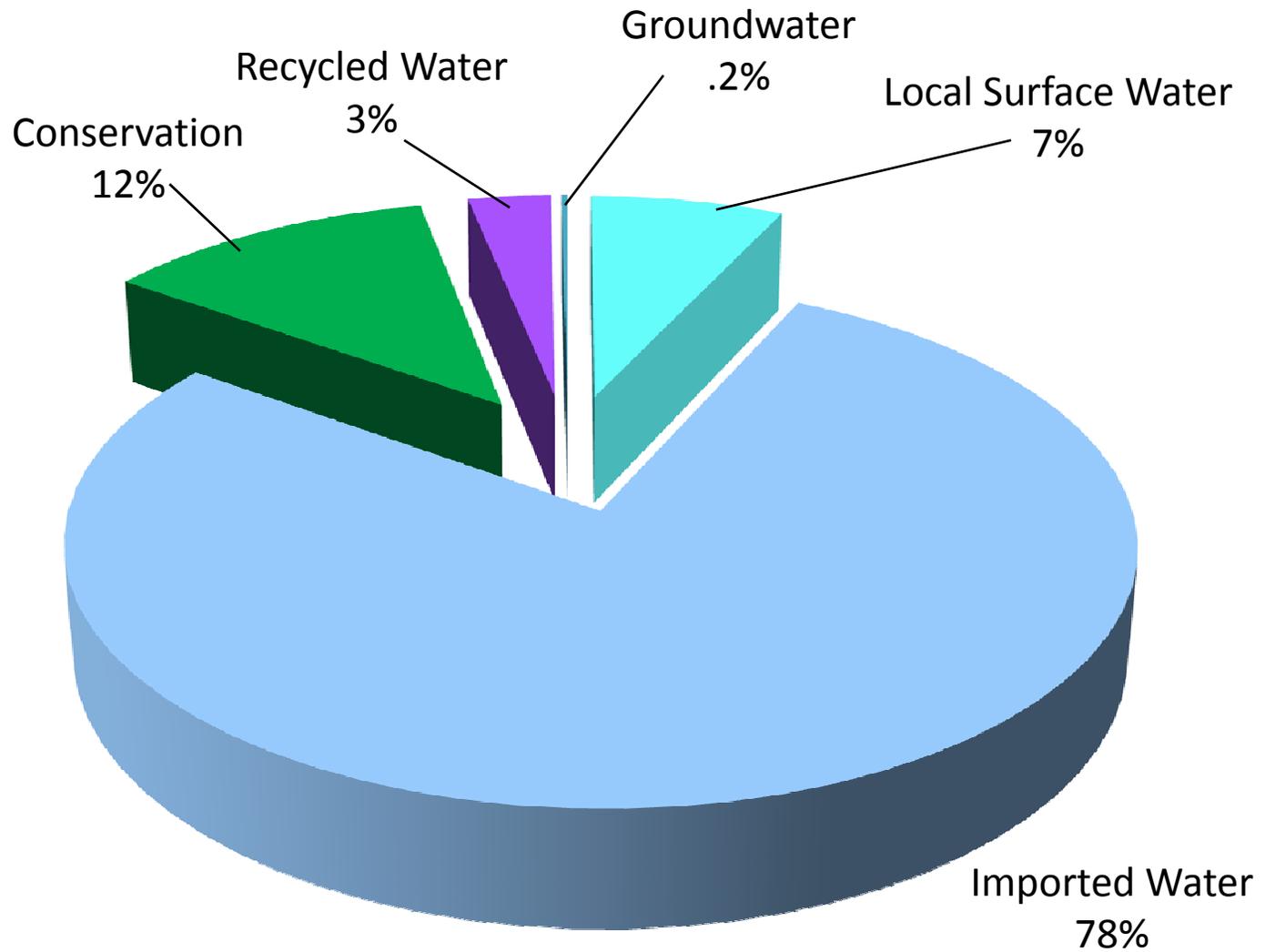
## City of San Diego Groundwater Development

February 1, 2012





# City of San Diego's Water Supply



Average (2005-2010)

Source: City of SD Public Utilities Department  
8/16/10



## City Groundwater Resources

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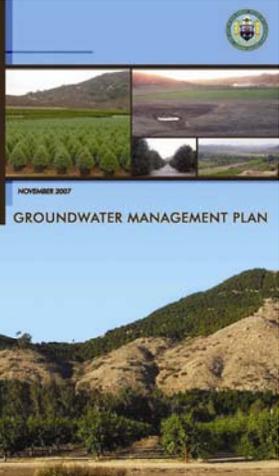
In December 2002, the City Council adopted the Long-Range Water Resources Plan. The Plan's groundwater goals are:

- Develop yield, storage and conjunctive use projects in groundwater basins
  - 10,000 AFY of groundwater desalination
  - 20,000 AFY of groundwater storage
- Diversify City's water portfolio
- Increase local water supply

Long-Range Water Resources Plan update is underway, will be completed - Summer 2012



# Groundwater Basins in San Diego





# Benefits of Groundwater

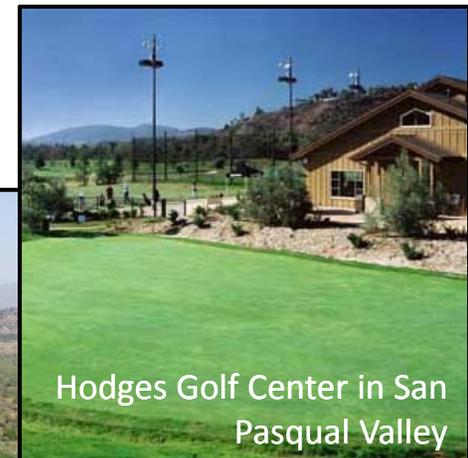
- Decreases reliance on imported water
- Source of new local water supply



Citrus orchard in San Pasqual Valley



Organic farm in San Pasqual Valley



Hodges Golf Center in San Pasqual Valley



# CH2M HILL Contract Scope of Work

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- 5 year Contract
- Supports
  - State of California (SBx7-6)
    - Groundwater Elevation Monitoring
  - San Pasqual Groundwater Management Plan
  - New Groundwater Management Plans
    - San Diego River – Years 1-3
    - San Diego Formation – Years 2-5
    - Tijuana Valley – Update existing



## CH2M HILL Contract Scope of Work

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- Basin Planning
- Salinity/Nutrient management plans
- Project Management
- Aquifer Storage and Recovery Plans (ASR)
- Groundwater well - Standards/Specifications
- Special Studies
  - Sea Water Intrusion studies
  - Land Subsidence studies
- Groundwater model integration
  - USGS
  - USBoR



## Cost, Schedule and Requested Action

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- IROC unanimously supported at their January 17<sup>th</sup> meeting
- Cost
  - Not to exceed \$3,000,000
- Schedule
  - Calendar Year 2012 – 2017
- Requested Action
  - Approve a five-year contract with the CH2M HILL to provide Technical Groundwater Services



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# Questions?

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Backup slides



# Groundwater Aquifer

