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**“Whiskey is for drinking...”**

**Signs of the Tide**  
***December 8, 2010***

**Bruce Reznik**

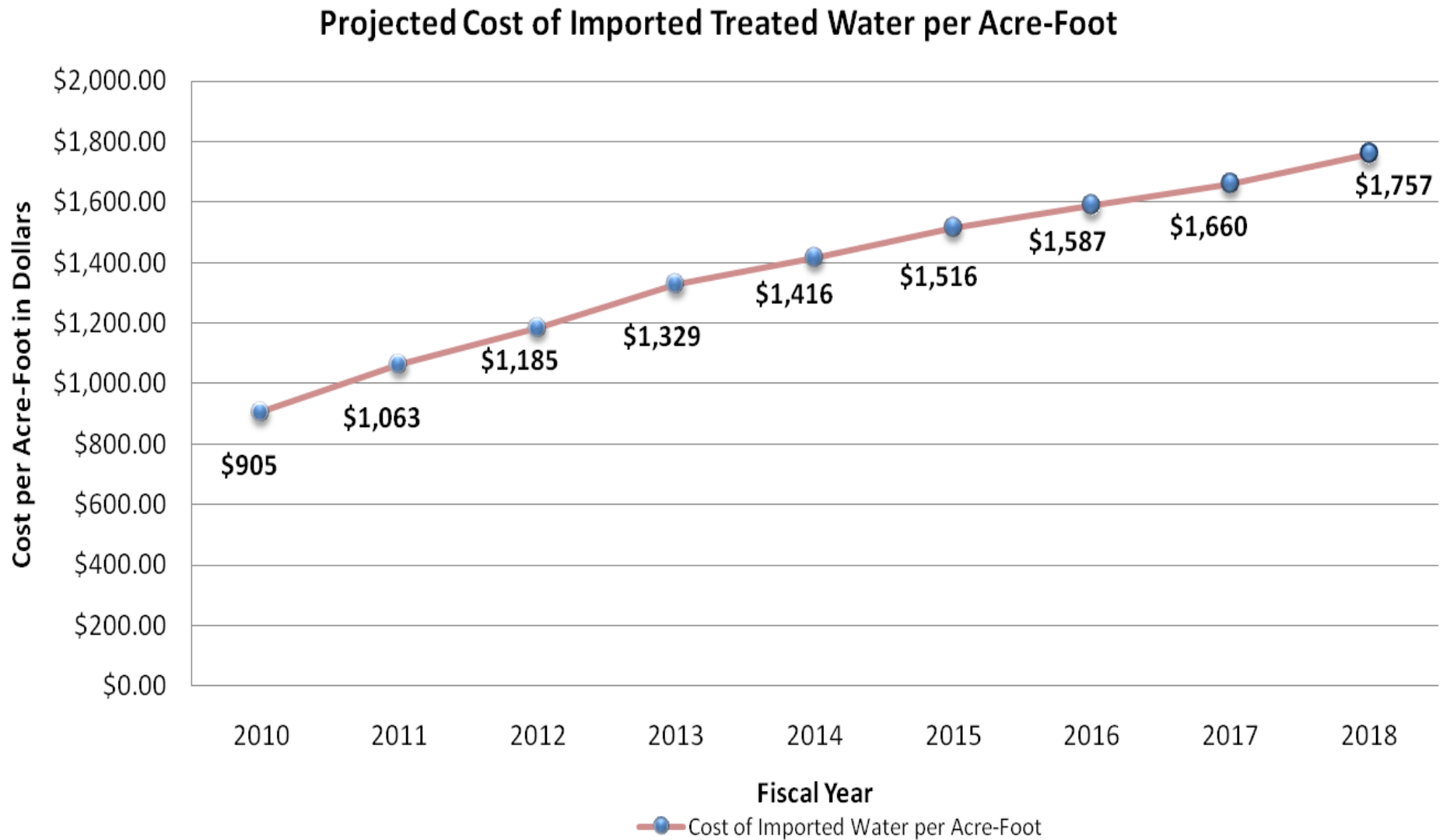


# Cheap water isn't cheap...

- 19% of CA energy used to treat & move water throughout state
- Impact on fish populations and other wildlife
- Taking water from other communities in need
- Putting San Diego at risk

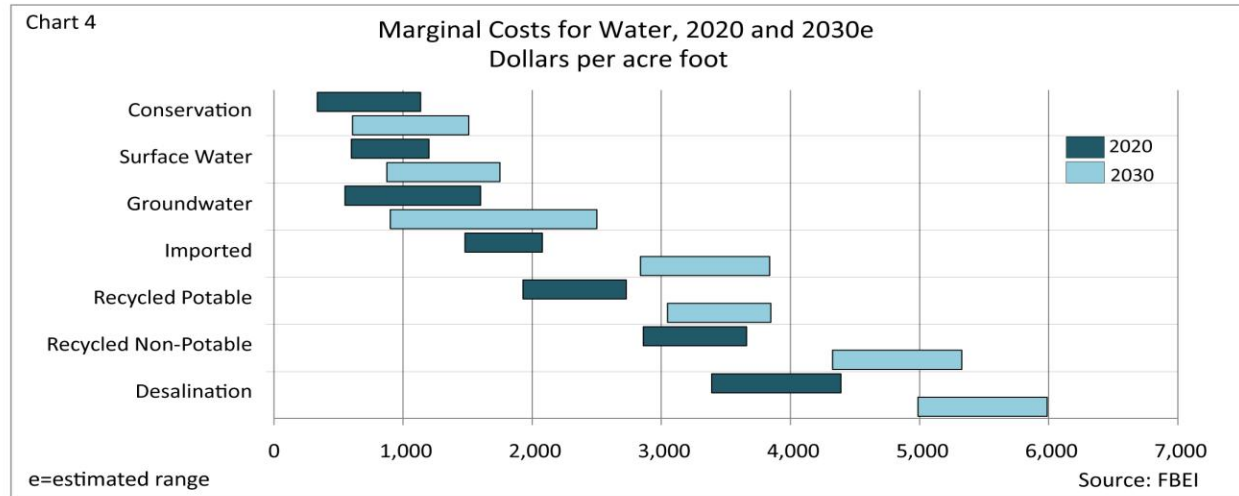


...and current supplies are getting pricier





# Current Costs of WS Options



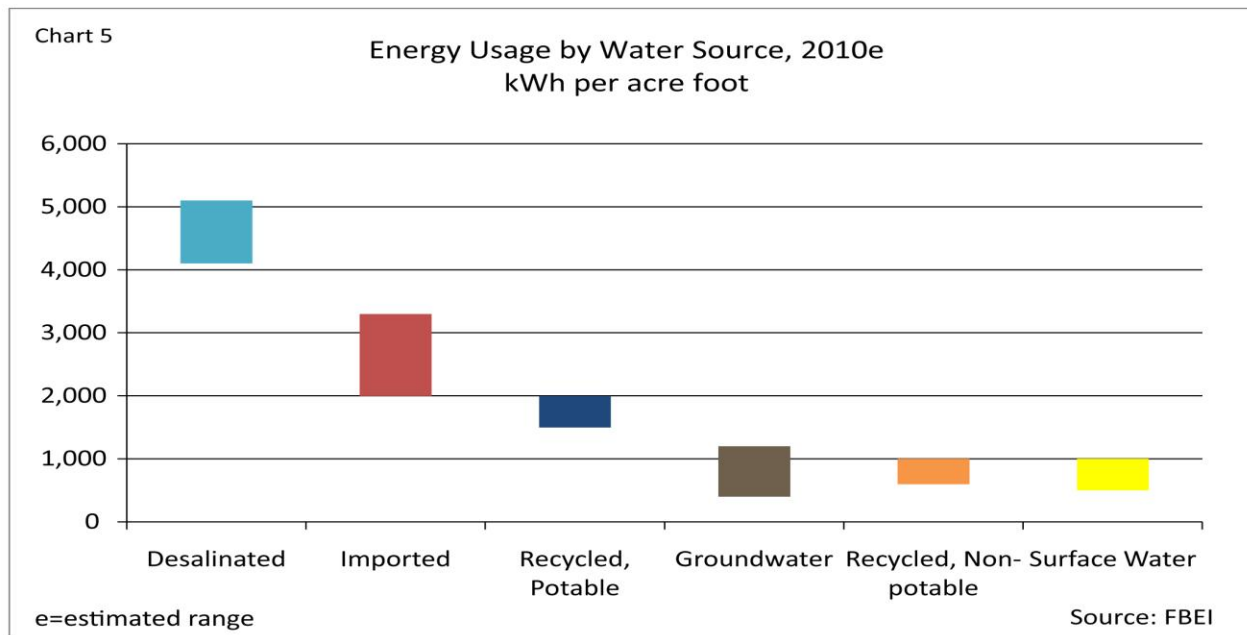
*\* From Equinox Center/FBEI Assessing SD's Water Option Report, July 2010*

*"When the well is dry, we learn the worth of water."*

*-Benjamin Franklin*

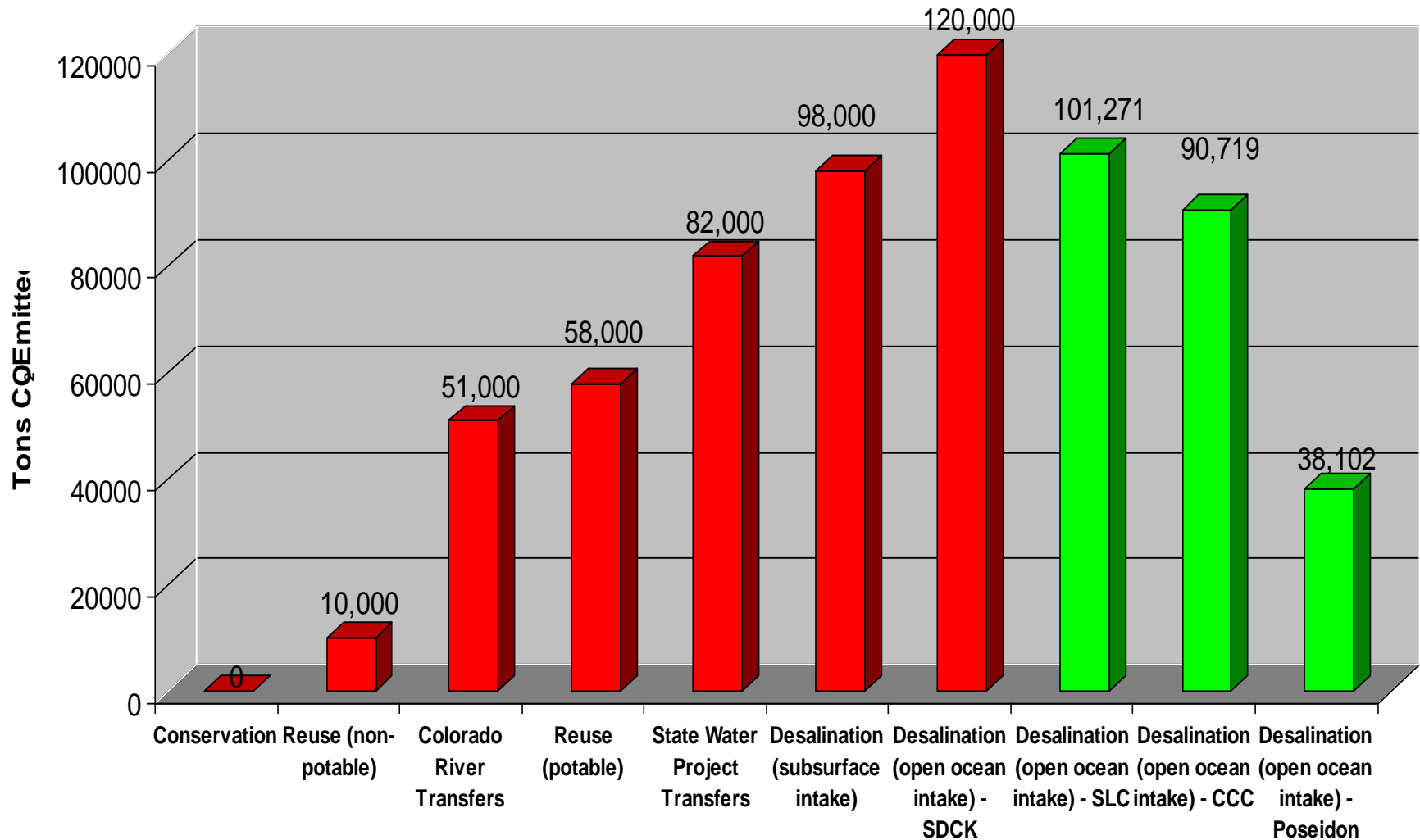
# Energy Usage of WS Options

*\* From Equinox Center/FBEI Assessing SD's Water Option Report, July 2010*



# Carbon Footprint

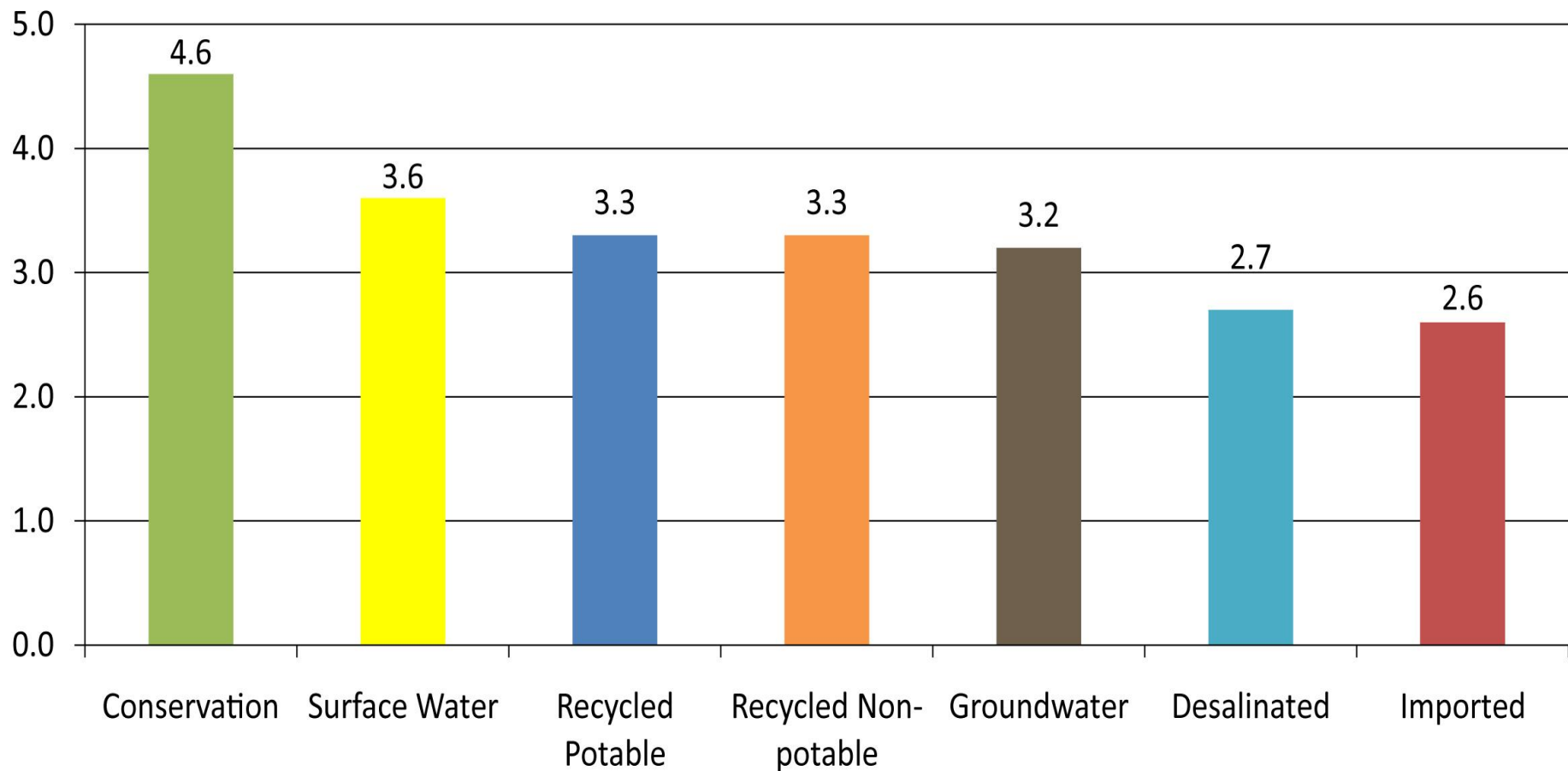
Tons CO<sub>2</sub> Emitted Annually to Produce 56,000 Acre Feet of Water



# Comparing WS Options

Chart 6

Total Factor Rating of San Diego's Water Alternatives



\* From Equinox Center/FBEI Assessing SD's Water Option Report, July 2010

Source: FBEI



# A New Vision



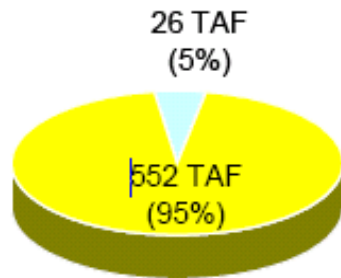
not



# Diversifying San Diego County's Water Supply Portfolio

**1991**

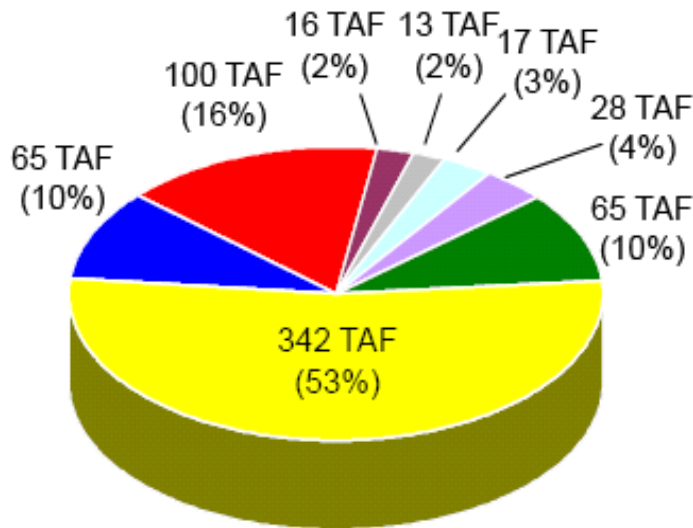
Population 2.49 mil



**Total = 578 TAF**

**2010 (Allocation Year)**

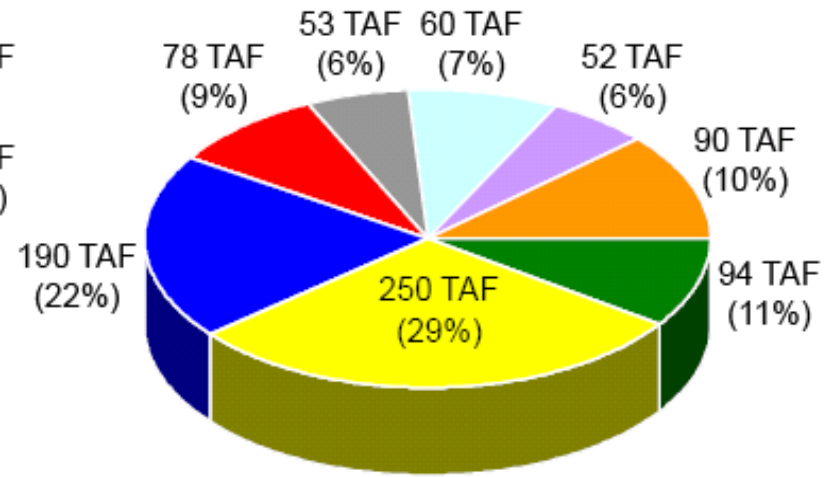
Population 3.11 mil



**Total = 646 TAF**  
(includes conservation savings)

**2020**

Population 3.41 mil



**Total = 867 TAF**  
(includes conservation savings)

- Metropolitan Water District
- Imperial Irrigation District Transfer
- All American & Coachella Canal Lining
- Conservation

- Seawater Desalination
- Local Surface Water
- Recycled Water
- Groundwater
- Dry-Year Water Transfers



# Vision Statement

- *To ensure San Diego's long-term water security in an environmentally and economically sustainable way*

"The greater danger for most of us is not that our aim is too high and we miss it, but that it is too low and we reach it."

- Michelangelo



# Goals

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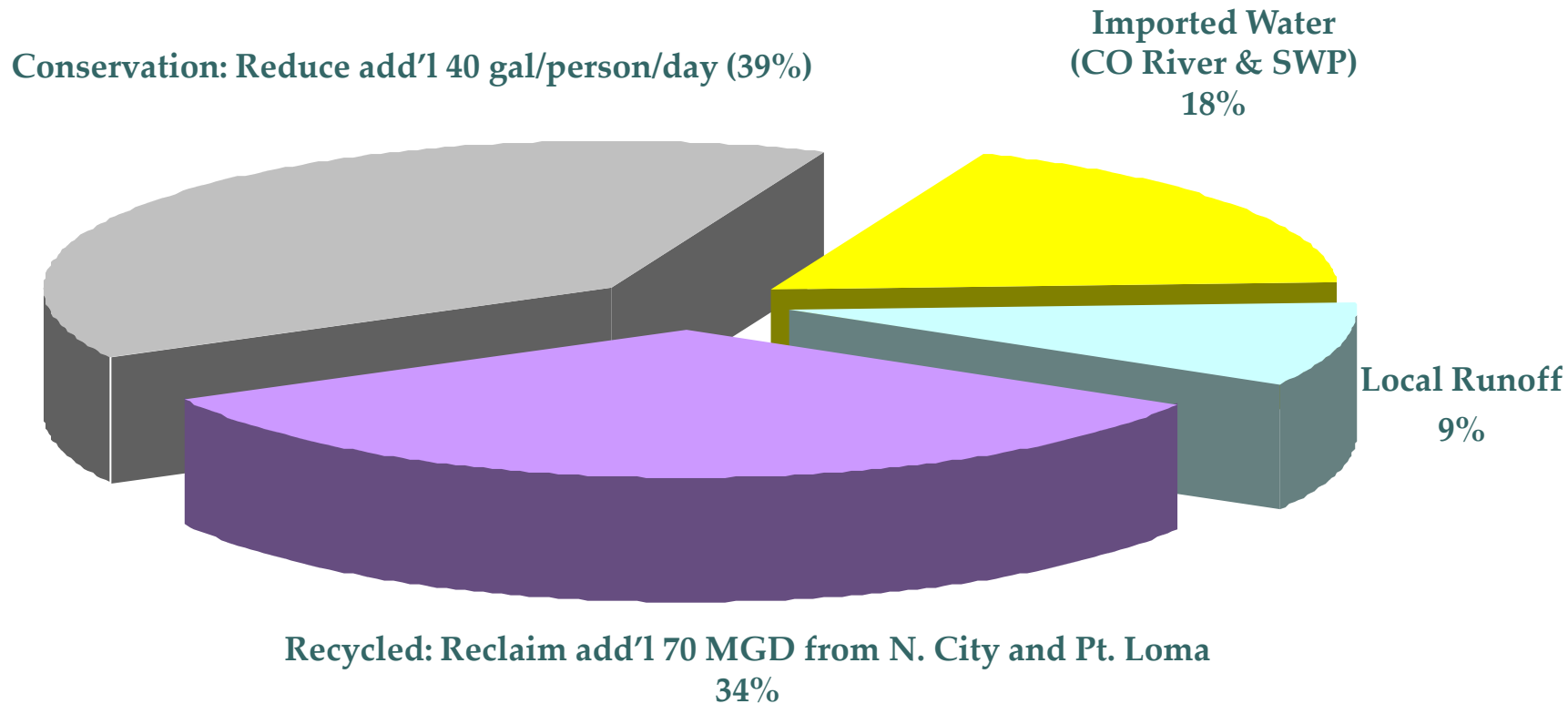
- *To develop a comprehensive and forward-looking water portfolio that:*
  - *is Safe/protective of public health*
  - *is Reliable & flexible*
  - *is Affordable*
  - *is Environmentally protective/beneficial*
  - *is Energy smart*
  - *is Locally sourced*
  - *is Municipally owned/controlled*
  - *Prioritizes most critical uses*



# Strategies

- *San Diego's Water Supply strategies should include:*
    - *Conservation & efficiency (regulations + pricing)*
    - *IPR (decentralized)*
    - *Rainwater harvesting*
    - *Graywater*
    - *Increased storage/more flexibility*
    - *Small-scale/targeted purple pipe*
    - *Small-scale/targeted desalination (subsurface intakes)*
- 
- *Large scale purple pipe*
  - *Large-scale or open-ocean intake desalination*
  - *Additional transfers/peripheral canal*

# Where Our Water *Could* Come From





# Last Thoughts: Value of Water

- *“We got to have more supply and more supply...We've got to have more water here and work out the technical problems that were raised earlier...It has to happen or San Diego is going to have a problem. We're not going to be able to water our lawns. That's my conflict of interest. I want to be able to water my lawn. And I am very, very concerned that that's what's going to happen if we don't get more and more water.”*

- Public testimony on CDP at SLC (Oct '08)

*“Til taught by pain, men really know  
not what good water is worth.”  
- Byron (Don Juan)*