



# **40 Billion Gallons of New Blue Water™ for 1 Million California Residents**

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Assembly Select Committee on  
Regional Approaches to Addressing the State's Water Crisis

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# Real Problems

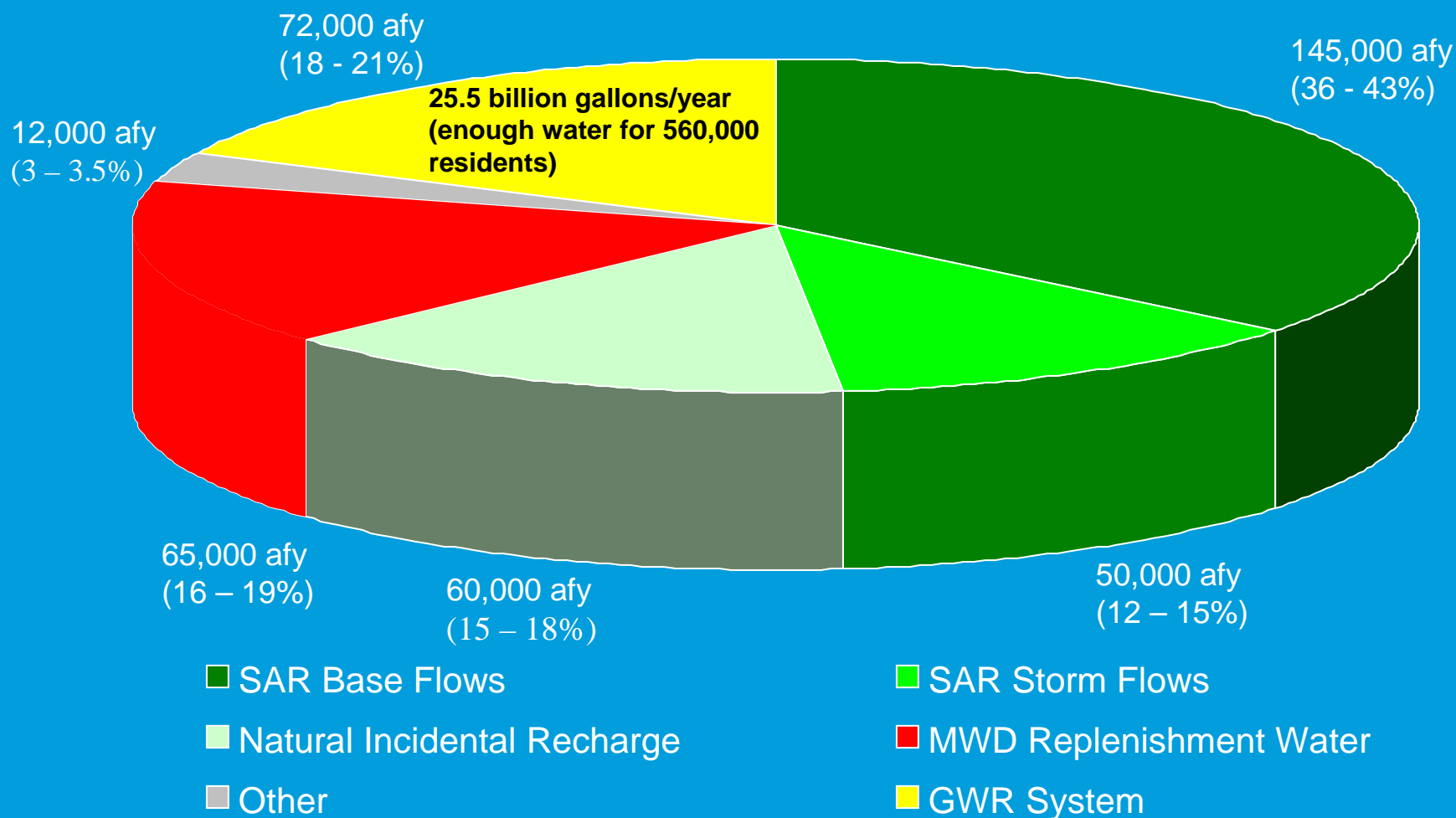


- 3 dry years – Governor declared state of emergency
- Court rulings to protect the Delta smelt, salmon and other habitat have decreased pumping from Northern California by an additional 40%
- Water storage in CA reservoirs only 60% of average
- Statewide precipitation is 70% of the normal
- Metropolitan Water District of Southern California (MWD) has cut imported water deliveries by 10%.
- Drought conditions and water restrictions are causing devastating economic and business losses
- Water rates for limited imported water have increased by 20% this past year and are expected to increase by 22% next year
- Fragile Delta – Levees
- Increased Population -- 15 Million within the next 25 years
- Climate change – Seawater contaminating water supplies
- Agriculture revenue losses due to pumping restrictions from January to April 2009 were \$300 million. Losses could exceed \$2 billion by the end of this summer and nearly \$3 billion by the end of 2009.



# OCWD Sources of Groundwater Recharge

Annual Total 339,000 to 404,000 afy





# Untapped Water Source

**1.3 billion gallons of wastewater  
are lost to the ocean everyday  
from Ventura, Los Angeles,  
Orange and San Diego counties**



# Southern California New Blue Water™ Solution

New Blue Water™ Projects are facilities that utilize state-of-the-art technology to recycle treated wastewater to near-distilled water quality by using a three-step advanced purification process of microfiltration, reverse osmosis and ultraviolet light with hydrogen peroxide.

New Blue Water™ Projects create new reliable, sustainable water sources and help prevent seawater from contaminating existing groundwater supplies. Help lessen dependency on imported waters. Provide significant relief to the Delta.

There is a big difference between purple pipe and New Blue Water™

New Blue Water™ Projects produce the highest quality drinking water.



# Why Aren't There More New Blue Water™ Projects?

- ▶ **Capital and O&M Costs**
  - Without any grants or subsidies, it would cost about \$850 per acre-foot. GWRS cost \$481 million.
- ▶ **Public Perception**
- ▶ **Politics**
  - Water Bond Hasn't Materialized
  - Federal Dollar Caps are Low





# Proposed New Blue Water™ Projects

<u>Agency</u>	<u>Potential New Water Supply</u>	<u>Population</u>
OCWD	18 million gallons per day	160,000
City of LA	15 million gallons per day	135,000
West Basin	10 million gallons per day	90,000
City of San Diego	15 million gallons per day	135,000
Santa Clara Valley	15 million gallons per day	135,000
WRD/Upper San Gabriel Valley	15 million gallons per day	135,000
City of San Bernardino	5 to 10 million gallons per day	45,000 - 90,000
Escondido	5 to 10 million gallons per day	45,000 - 90,000
Monterey County	5 to 10 million gallons per day	45,000 – 90,000



# Potential New Blue Water™

Nearly 40 billion gallons/year  
(121,000 acre-feet/year)

of New Blue Water™

for 1 million California residents





# What We Need: Water Bond

- ▶ **Currently \$500 million is included in preliminary water bond drafts. That includes funding for all types of recycled and desalinated water statewide.**
- ▶ **Proposed dollar amount for water recycling falls short of helping the state capture more of an untapped source.**
- ▶ **Current language does not distinguish funding for advanced water purification (New Blue Water™) vs. water of a landscaping quality.**



# What We Need in a Water Bond

- ▶ **Make sure the following changes are made to the final language in the water bond:**
  - **Carve out \$250 million for advanced water purification, potable reuse projects (New Blue Water™ Projects)**
  - **Set up criteria such that projects compete for up to a percentage, to be determined, of the cost of the project.**



# Questions?

