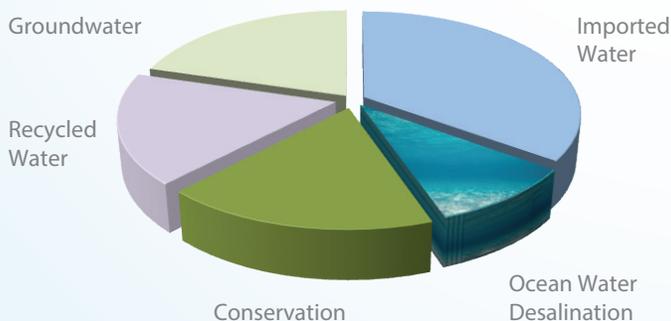


# WEST BASIN'S OCEAN WATER DESALINATION PROGRAM



Ocean water desalination is a component of West Basin's Water Reliability Program to create a more diverse water supply portfolio and protect against future water scarcity.

## Potential Water Supply: 2025



For more information on West Basin's Ocean Water Desalination Program, visit [www.westbasin.org/desal](http://www.westbasin.org/desal)

## Why Desal?

- Governor Brown's California Water Action Plan calls for increased regional self reliance
- 74% of voters see desal as an effective solution to State's water supply challenges

Southern California faces an unreliable supply and long-term water shortages due to:

- Drying climate
- Loss of snowpack
- Reoccurring droughts
- Over-allocation of the Colorado River

## Benefits of Desal

- Reliable, drought-proof
- New, high-quality drinking water
- Locally controlled supply
- Offsets the need to import more water
- Cost competitive with recycled water
- Supports economic vitality

## Water Reliability

West Basin remains committed to maximizing its recycled water program and conservation efforts by:

- Expanding water recycling from 40 to 70 million gallons per day
- Increasing conservation efforts and water savings from 3 to 6 billion gallons

## Environmental Protection

West Basin released its Notice of Preparation for an Environmental Impact Report (EIR) on August 31, 2015. The EIR process assesses the potential environmental impacts of a 20 or 60 million gallons per day ocean water desalination facility. The EIR is one of many steps to help the West Basin Board of Directors make an informed decision on the proposed project.

- Conducted more than 10 years of responsible research and testing through a pilot and demonstration facility
- The proposed facility would meet and surpass the most environmentally protective regulations in the world



Intake and discharge technologies would protect 100% of adult and juvenile fish; and most, if not all mature larvae.



Marine researchers setting up larvae collection nets to study protective wedge wire screens.

## EIR Timeline



## Energy Efficiency

Compared to imported water, the facility would be carbon neutral at a minimum.

- Pursue renewable energy sources
- Implement energy recovery technology

## Cost Competitive

The program is cost competitive with West Basin's current recycled water program.

- Desal will cost less than a penny per gallon.
- Potential funding sources will include government grants, partnerships, and a local bond initiative