



Pure Water Southern California

A New Source of Water

July 11, 2022

PUREWATER
SOUTHERN CALIFORNIA

METROPOLITAN OVERVIEW

- Nation's largest wholesale water provider
- 5,200 square miles throughout 6 counties, 19 million people through 26 public member water agencies
- Supports \$1 trillion regional economy
- Imports water from Northern Sierra and the Colorado River, invests in local projects & conservation



HISTORY OF REACHING FAR FOR WATER



HISTORIC LOW RESERVOIR LEVELS

Challenges to imported water supplies due to drought and climate change



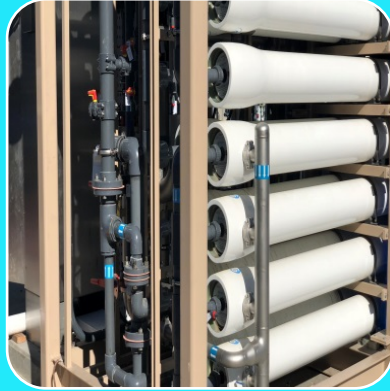
- Lake Oroville hit record low levels this year
- 2019-22 are driest three years on record



- Lake Mead and Lake Powell at historically low elevations
- Colorado River is in long-term drought

PURE WATER SOUTHERN CALIFORNIA PROGRAM

A \$3.4 billion investment



①

Used water (wastewater) from homes, businesses, and industries in LA County

②

Cleaned at Sanitation Districts' Joint Water Pollution Control Plant

③

Purified at Metropolitan's advanced water treatment plant

④

Conveyed through over 60 miles of pipeline to groundwater basins, industries, or Metropolitan's drinking water plants

⑤

A new drought-proof source of water for Southern California

ECONOMIC BENEFITS

A Thriving Economy for the Region

Construction Generates:

24,100

directly
employed
workers

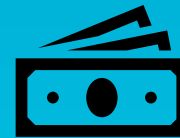
23,000

additional jobs
to Southern
California

47,100
total
combined jobs



\$8.68 billion in
total economic output



\$402 million in
state & local taxes

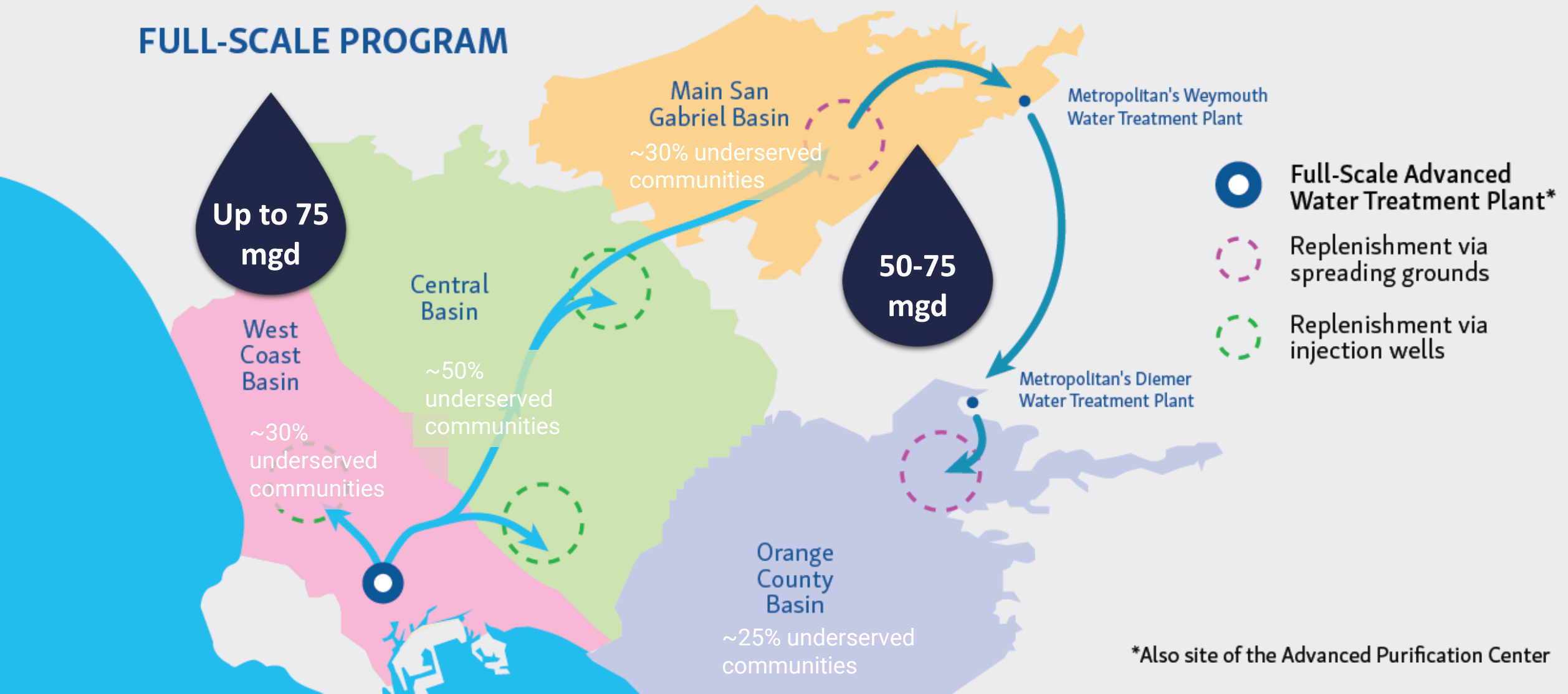


\$3.46 billion in
labor income

A FULL-SCALE PROGRAM

Up to 150 million gallons daily. Enough water for 500,000 homes

FULL-SCALE PROGRAM



A FULL-SCALE ADVANCED WATER TREATMENT PLANT



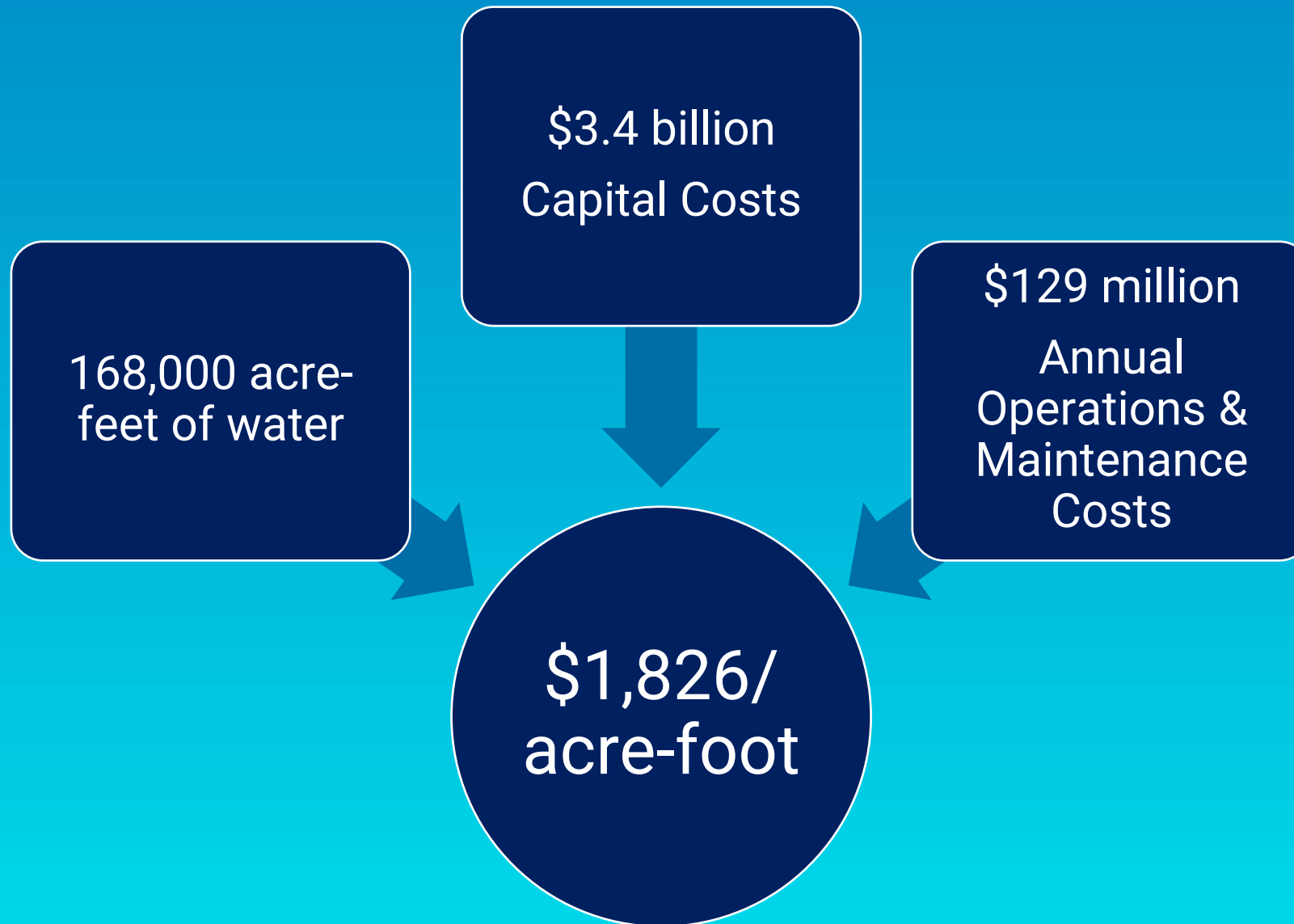
Three-step purification process:

- Membrane bioreactors
- Reverse osmosis
- Ultraviolet light/Advanced oxidation

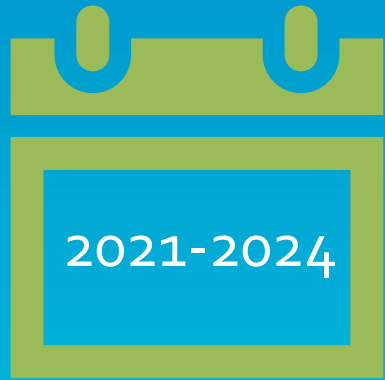
Removes particles such as bacteria, viruses, pharmaceuticals, PFAS, and others, to produce highly purified water.



PROGRAM COSTS (2018 COSTS)



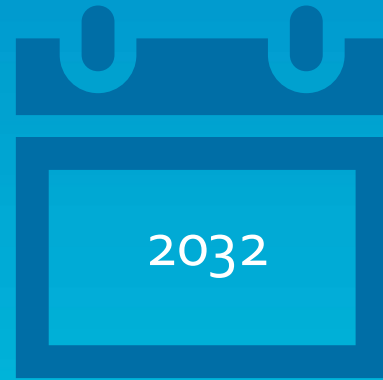
PROGRAM SCHEDULE



Environmental
Planning



Design and
Construction



Start-up and
Operations

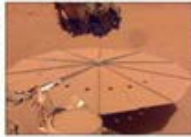
Opportunities to accelerate this timeline

ENVIRONMENTAL PLANNING PHASE OUTREACH GOALS

- Raise awareness of program needs and new water supply
- Reach out to communities potentially impacted by project



Some ways to stay involved



Connect us with others who may be interested

Attend a tour



DISCUSSION/Q&A

PUREWATER
SOUTHERN CALIFORNIA



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**LOS ANGELES COUNTY
SANITATION DISTRICTS**
Converting Waste Into Resources

PUREWATER
SOUTHERN CALIFORNIA