



CITY OF PHOENIX ADVANCED PURIFIED WATER



**PURE
WATER**
PHOENIX

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City of Phoenix



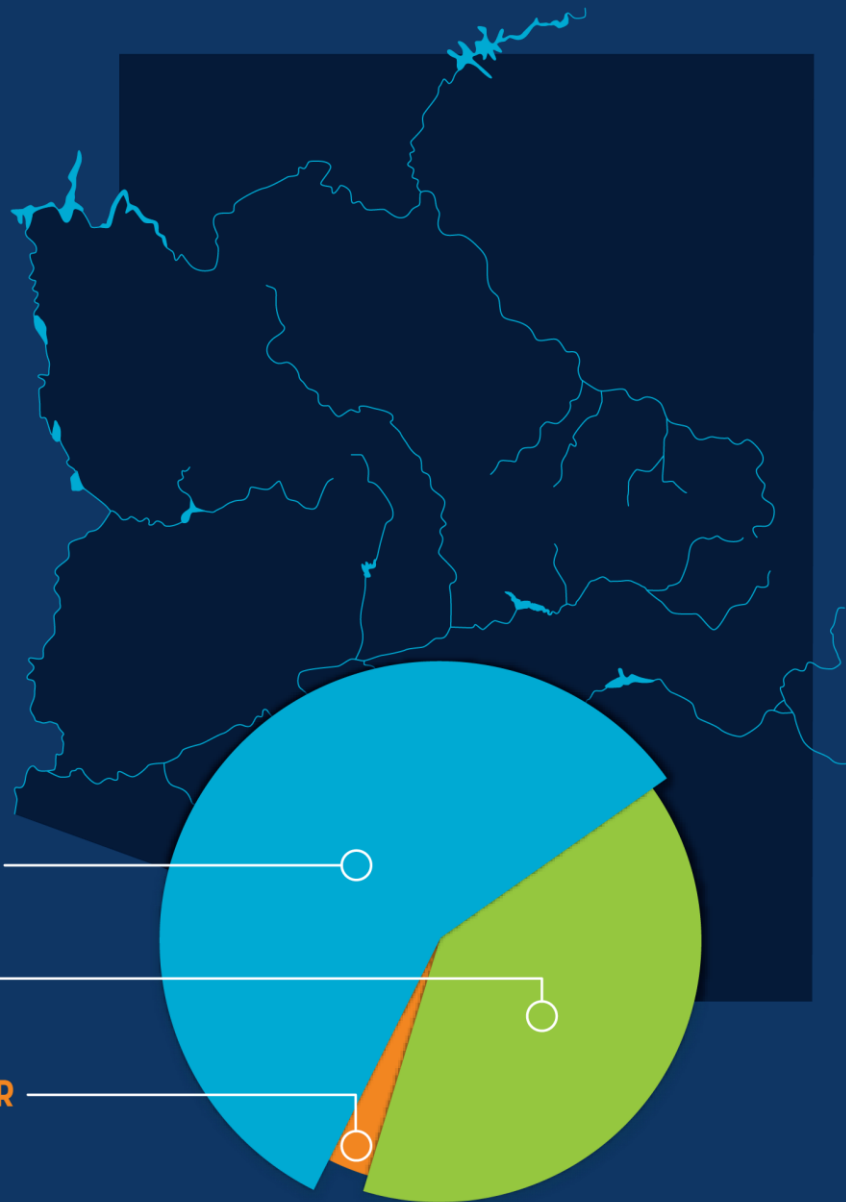
Phoenix Water Supply

WHERE DOES
PHOENIX'S
WATER COME
FROM?

58% SALT & VERDE
RIVER WATER

40% COLORADO
RIVER WATER

2% GROUNDWATER

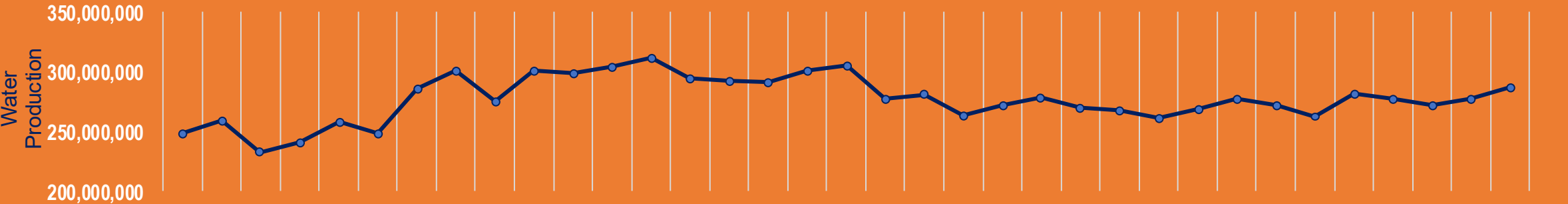
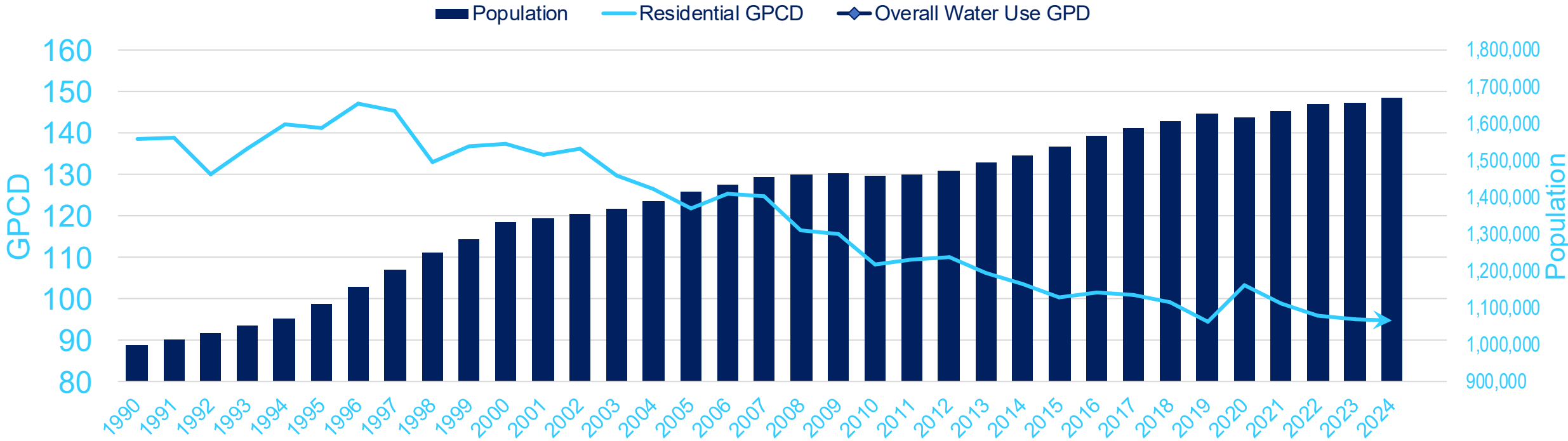


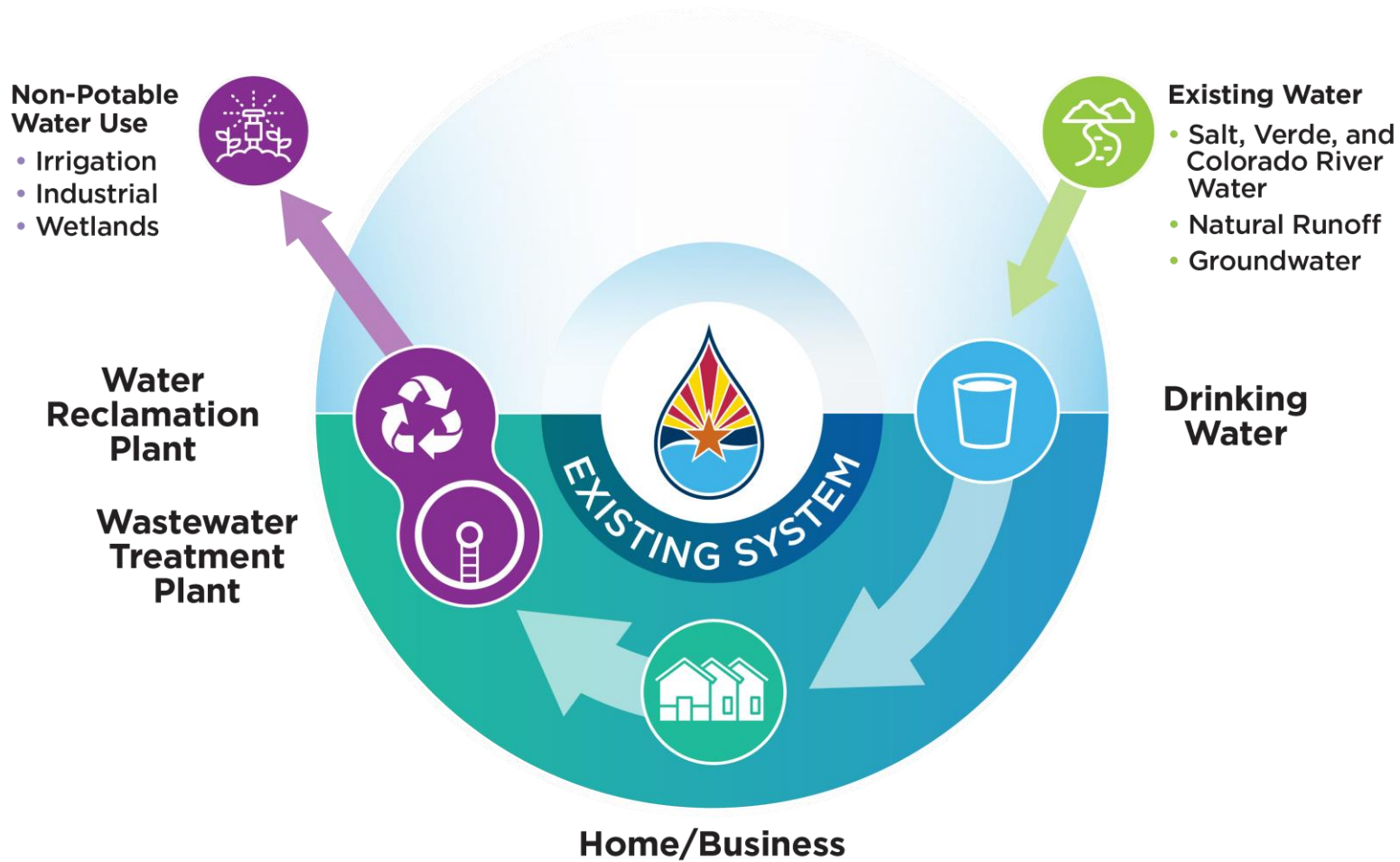
PHOENIX CONSERVATION

1990-2024



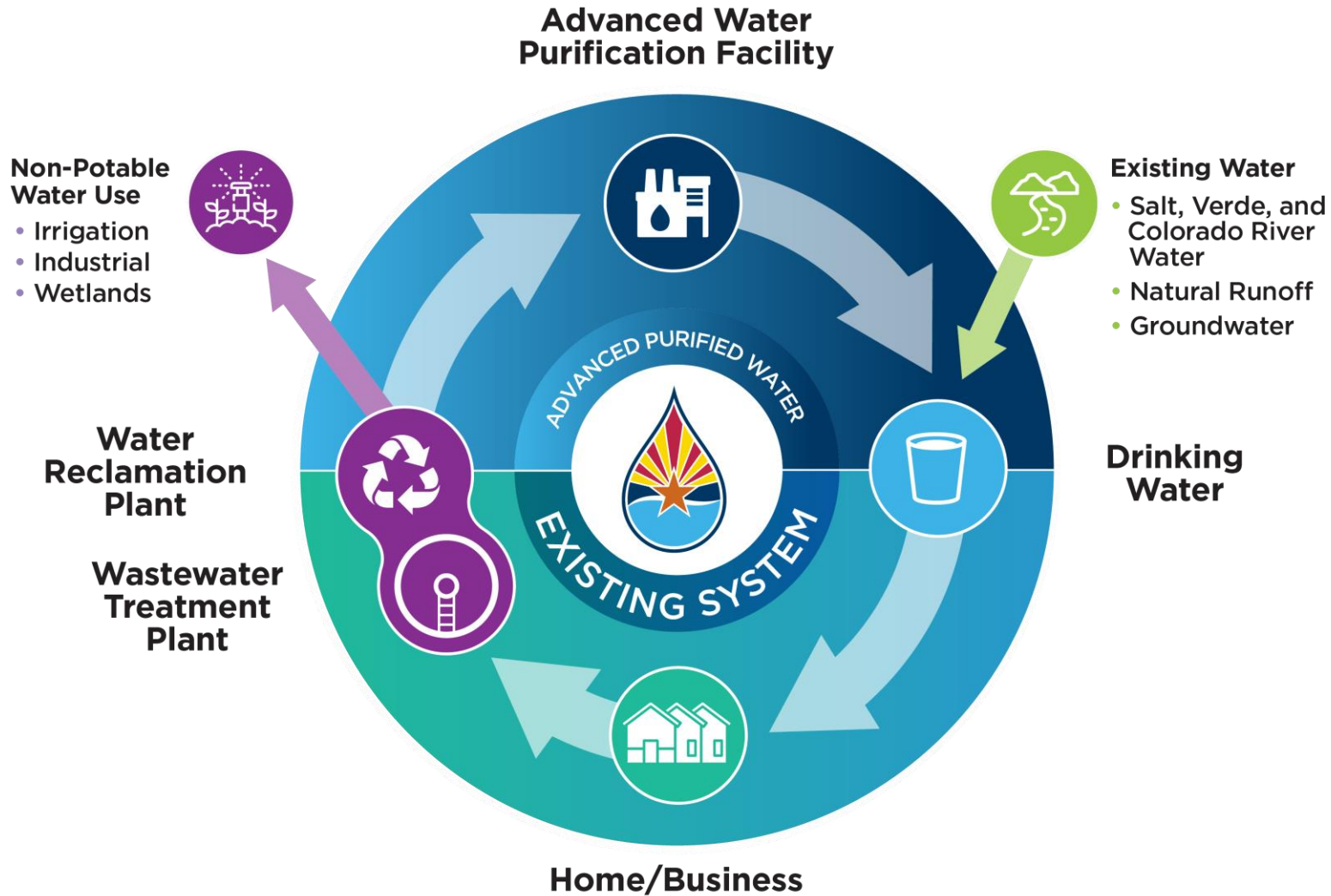
Population and Residential Water Use in Gallons Per Capita Per Day (GPCD)





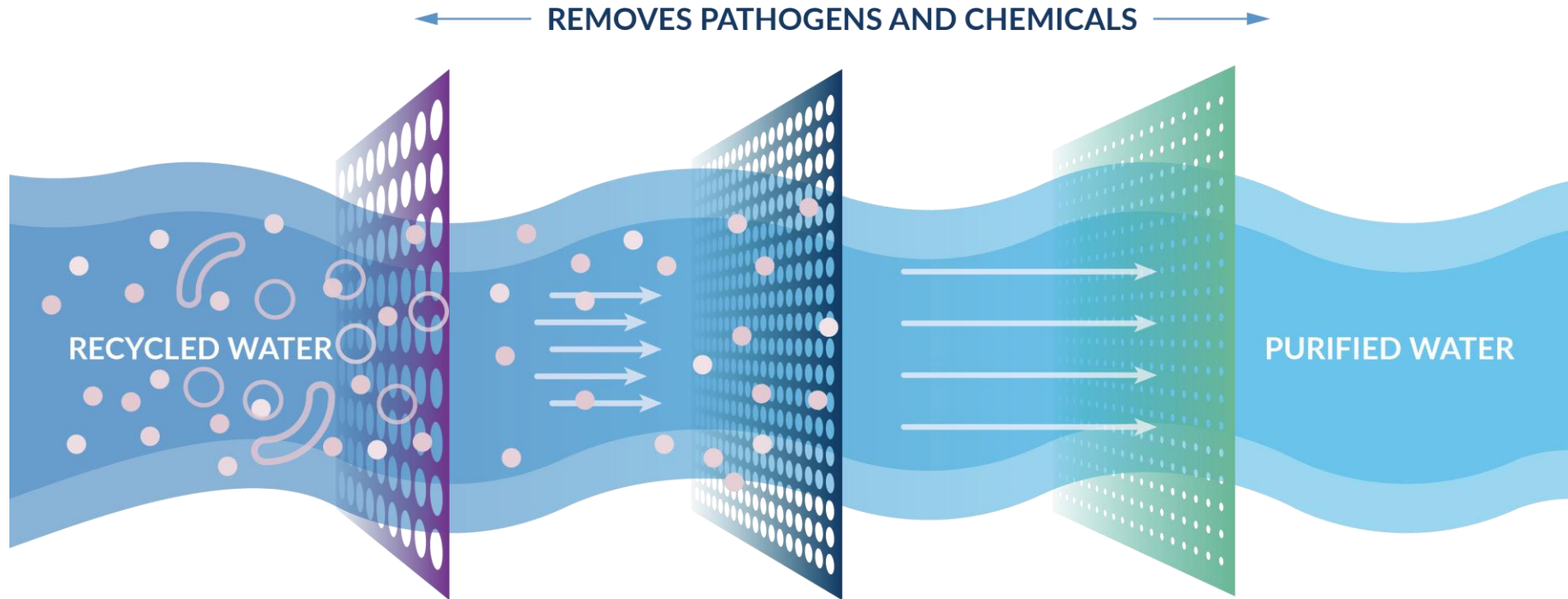
PHOENIX'S EXISTING REUSE SYSTEM

DELIVERS NON-
POTABLE REUSE



ADVANCED TECHNOLOGY COMPLETES THE WATER CYCLE

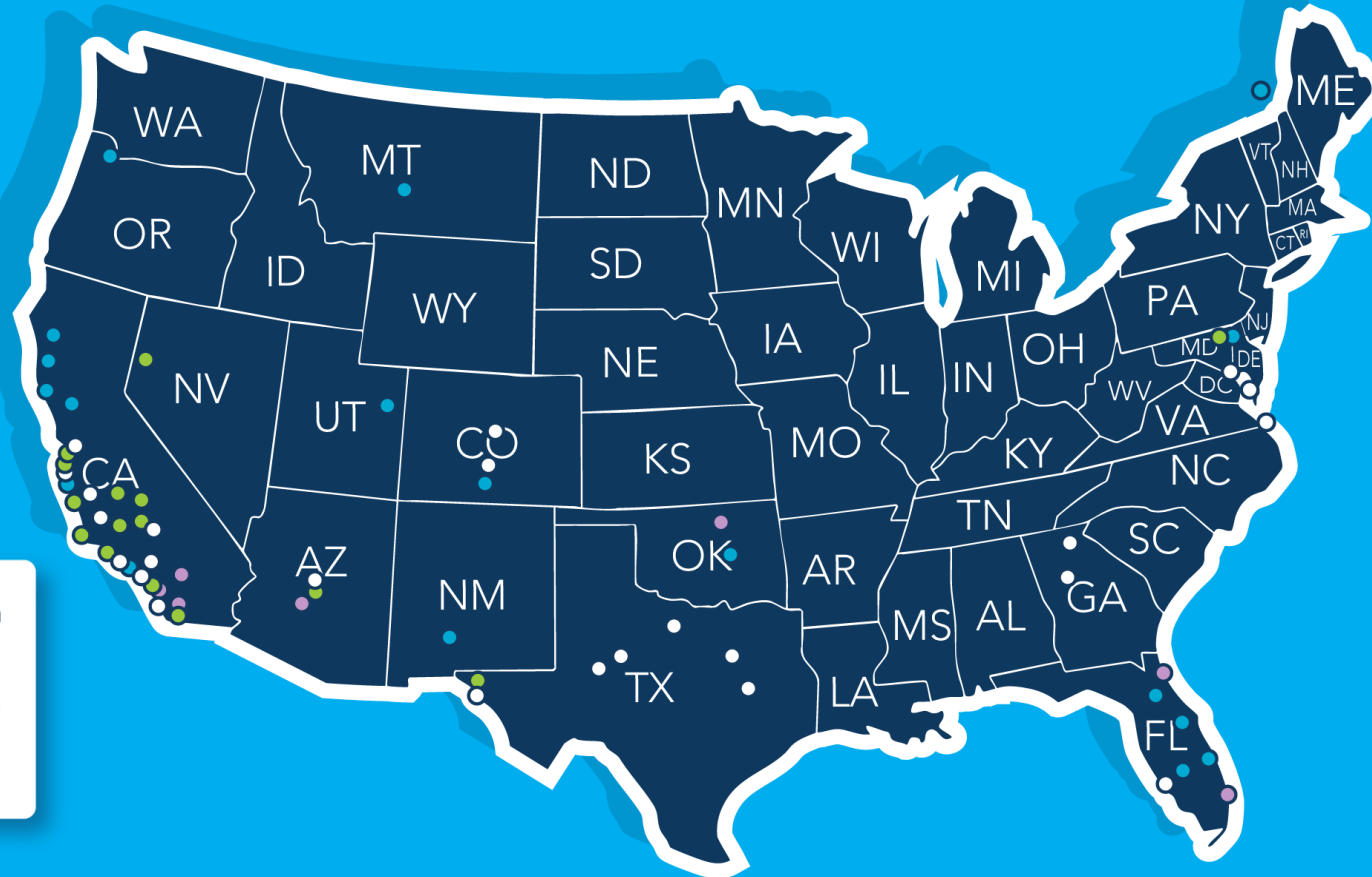
WHAT IS ADVANCED WATER PURIFICATION?



MULTI-STEP BARRIER SYSTEM TO:

- Remove pathogens and organics in the water
- Remove chemicals and byproducts from the water
- Reduce water salinity

Who Else is Using Advanced Purified Water in the U.S.



- Exploring/Education
- Planned
- Operating/Available
- Under Construction

Data for the map courtesy of Water Services Association of Australia in collaboration with WateReuse Association.

ARIZONA

- Phoenix
- Scottsdale

CALIFORNIA

- Alameda County
- Antelope Valley
- Burbank
- Cambria
- Camp Pendleton
- Carpinteria
- Central Coast
- Conejo Valley
- East San Diego County
- El Segundo
- Highland
- Inland Empire
- Laguna County
- Long Beach
- Los Angeles
- Monterey
- Morro Bay
- Oceanside
- Orange County
- Pico Rivera
- Pure Water Southern CA
- Rancho California
- San Diego
- San Francisco
- San Jacinto
- Santa Clara County
- Santa Monica
- South Orange County
- Santa Cruz County
- Tri-Valley
- Ventura
- Yucaipa

CANADA

- Québec City

COLORADO

- Aurora
- Castle Rock
- Colorado Springs

FLORIDA

- Altamonte Springs
- Clay County
- Clearwater
- Hillsborough County
- Jacksonville
- Palm Beach County
- Plant City
- Polk County

GEORGIA

- Clayton County
- Gwinnett County

MARYLAND

- Anne Arundel County
- Westminster

MONTANA

- Big Sky

NEVADA

- Reno

NEW MEXICO

- Cloudcroft

OKLAHOMA

- Bartlesville
- Norman

OREGON

- Washington County

TEXAS

- El Paso
- Big Spring
- Abilene
- Wichita Falls
- North Texas
- Tarrant

UTAH

- South Jordan

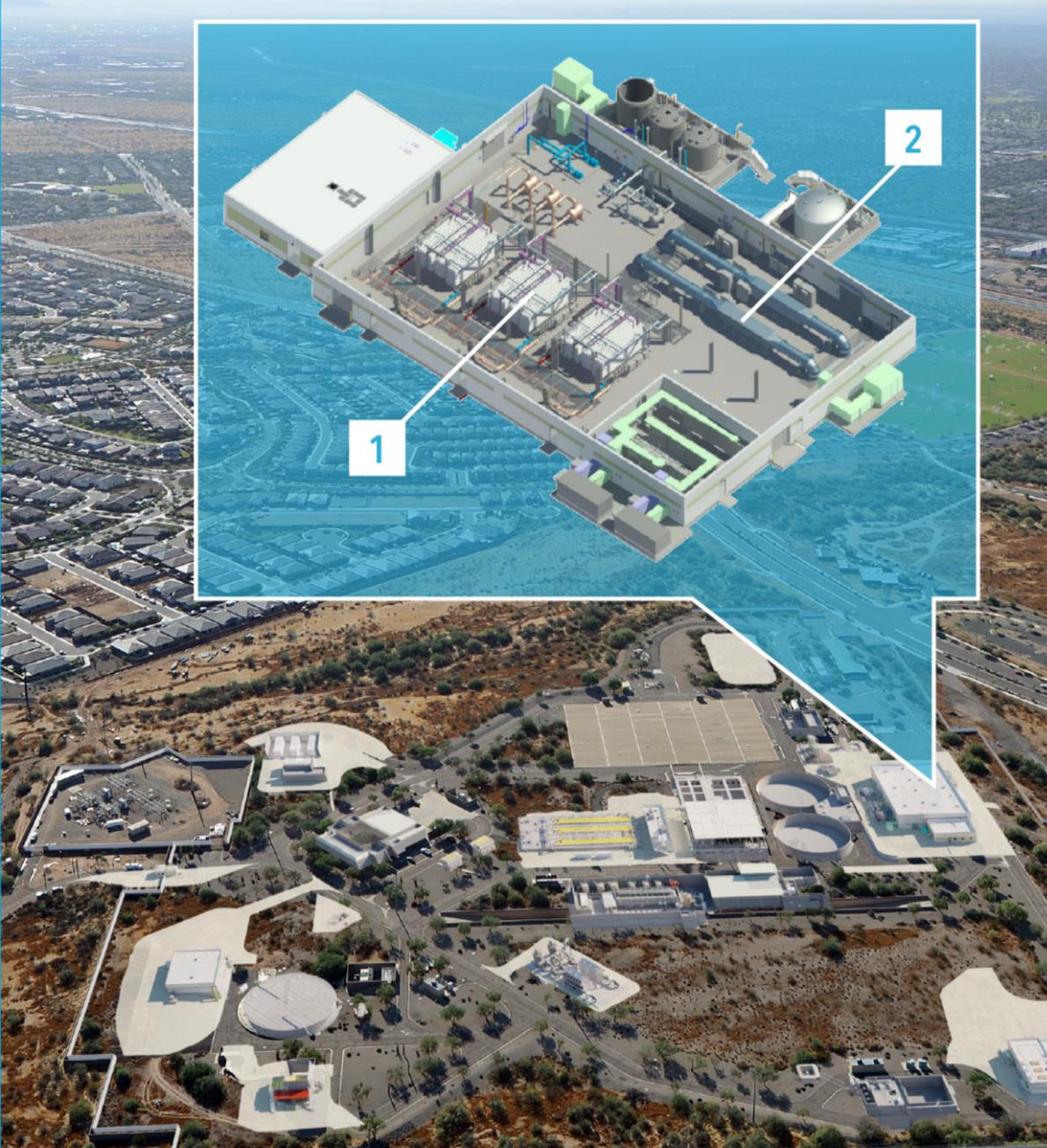
VIRGINIA

- Hampton Roads
- Loudoun County
- Upper Occoquan

PURE WATER PHOENIX AT CAVE CREEK

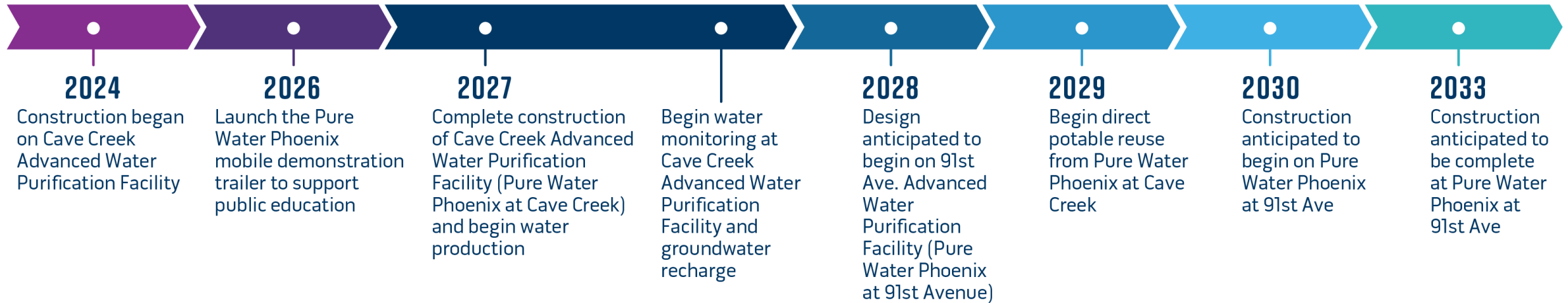
ADDING AN ADVANCED WATER PURIFICATION FACILITY TO THE CCWRP SITE

- Purified water initially added to groundwater supplies
- In the future, the purified water may be conveyed to the drinking water system
- Production
 - Initial – 6.75 MGD (8 MGD capacity)
 - Build-out – 13.5 MGD (16 MGD capacity)



(1) Reverse Osmosis and (2) UV Advanced Oxidation technologies.

PHOENIX ADVANCED WATER PURIFICATION FACILITIES TIMELINE



ADVANCED WATER PURIFICATION IS A
TECHNOLOGY OF **TODAY** NOT **TOMORROW**

LEARN MORE ABOUT ADVANCED PURIFIED WATER



To learn about advanced purified water in your community, visit the City of Phoenix's Water Services Department website:



phoenix.gov/apw
watersmart@phoenix.gov



The WaterReuse Association focuses on advancing laws, policy and funding to increase water reuse and provides educational information about water reuse.



watereuse.org/educate