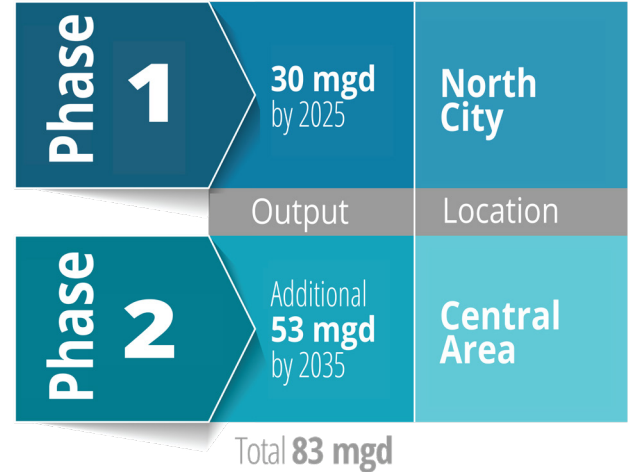


## What is Pure Water San Diego?

Pure Water San Diego is the City of San Diego’s (City) program that will provide nearly half of San Diego’s water supply locally by 2035. The Pure Water Program will include a system of treatment facilities, pump stations and pipelines that will be constructed in multiple phases and will:

- Use proven technology to clean recycled water to produce safe, high-quality drinking water
- Provide a reliable, sustainable, water supply
- Offer a cost-effective investment for San Diego’s water needs



## What does Phase 1 Include?

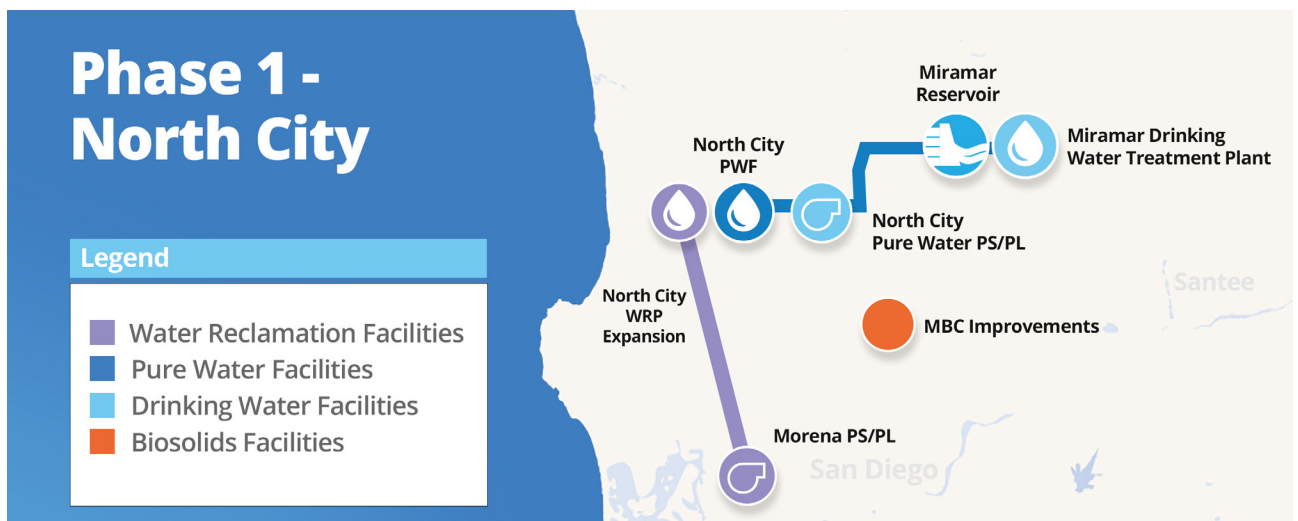
\*mgd = million gallons per day

The Pure Water Program is the largest integrated infrastructure program the City of San Diego has ever undertaken. Phase 1 - North City is comprised of several projects that will deliver 30 million gallons per day (mgd) of purified water for San Diego. The purified water will be piped to the Miramar Reservoir for storage and then will be treated again at the Miramar Drinking Water Treatment Plant before it is distributed to the public.

The projects under construction as part of Phase 1 include the:

- Morena Pump Station
- Morena Pipelines Southern Alignment
- Morena Pipelines Middle Alignment
- Morena Pipelines Northern Alignment
- North City Water Reclamation Plant (NCWRP) Expansion
- NCWRP Flow Equalization Basin
- North City Pure Water Facility and Pump Station
- North City Pure Water Pipeline
- Metropolitan Biosolids Center Improvements
- Miramar Reservoir Pump Station Improvements

A detailed map of the project locations can be viewed at [phase1.purewatersd.org](https://phase1.purewatersd.org).



# Phase 1 - North City Projects

## University City & Eastgate Mall

### North City Pure Water Facility (NCPWF) and Pump Station

A new Pure Water Facility will be built on Eastgate Mall across the street from the existing NCWRP to clean the recycled water further to produce 30 million gallons per day (mgd) of safe, high-quality water that meets all state and federal drinking water standards. The NCPWF will use the proven five-step water purification process of ozonation, biological activated carbon filters, membrane filtration, reverse osmosis, and ultraviolet disinfection with advanced oxidation. Upon completion, the pump station will convey purified water to the Miramar Reservoir for storage.

### North City Water Reclamation Plant (NCWRP) Expansion

This project will increase the amount of recycled water the NCWRP produces. The NCWRP is located on Eastgate Mall and treats wastewater to recycled water standards for irrigation and industrial uses. The plant capacity will increase from 30 mgd to 52 mgd to continue to meet non-potable water demands, as well as supply to the NCPWF. A new pump station located at the NCWRP will convey up to 42 mgd of recycled water to the new NCPWF across the street for further purification.

### NCWRP Flow Equalization Basin

As part of the North City Water Reclamation Plant (NCWRP) expansion, a new Flow Equalization Basin will be constructed to expand the capacity of the primary effluent storage. The Flow Equalization Basin will regulate peak wastewater flow rates so that water can be delivered at more manageable flow rates to the Metropolitan Biosolids Center for further treatment.

### Morena Pipelines Northern Alignment and Tunnels

The Morena Northern Pipelines and Tunnels will connect to the Morena Pipelines Middle Alignment to the south and the North City Water Reclamation Plant to the north. This project begins on Genesee Avenue between Appleton Street and state Route 52 and continues on Genesee Avenue, Nobel Drive, Towne Centre Drive and Executive Drive. Tunneling will be completed at Genesee Avenue and SR-52, at Genesee Avenue and Rose Canyon, and under Interstate 805. It will also carry wastewater north to the North City facilities for purification and the biproduct from water purification south to the Point Loma Wastewater Treatment Plant.

### Metropolitan Biosolids Center (MBC) Improvements

MBC is the City's regional biosolids facility that receives and processes solids from both the NCWRP and the Point Loma Wastewater Treatment Plant. To accommodate the increase in flows and loadings that will result from the NCWRP expansion, this project involves upgrades at MBC including equipment replacements and improvements.

Learn More  
About Projects  
in University  
City and  
Eastgate Mall:



Local **residents**, community **groups**, environmental **organizations** and local **businesses** support the **Pure Water** Program.

Do you support Pure Water? Like us, follow us:



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### Want to Know More?

Visit [PureWaterSD.org](http://PureWaterSD.org) to watch the Virtual Tour or to request a presentation for your organization, visit the [Informational Materials](#) page.