

North City Water Reclamation Plant Expansion and North City Pure Water Facility

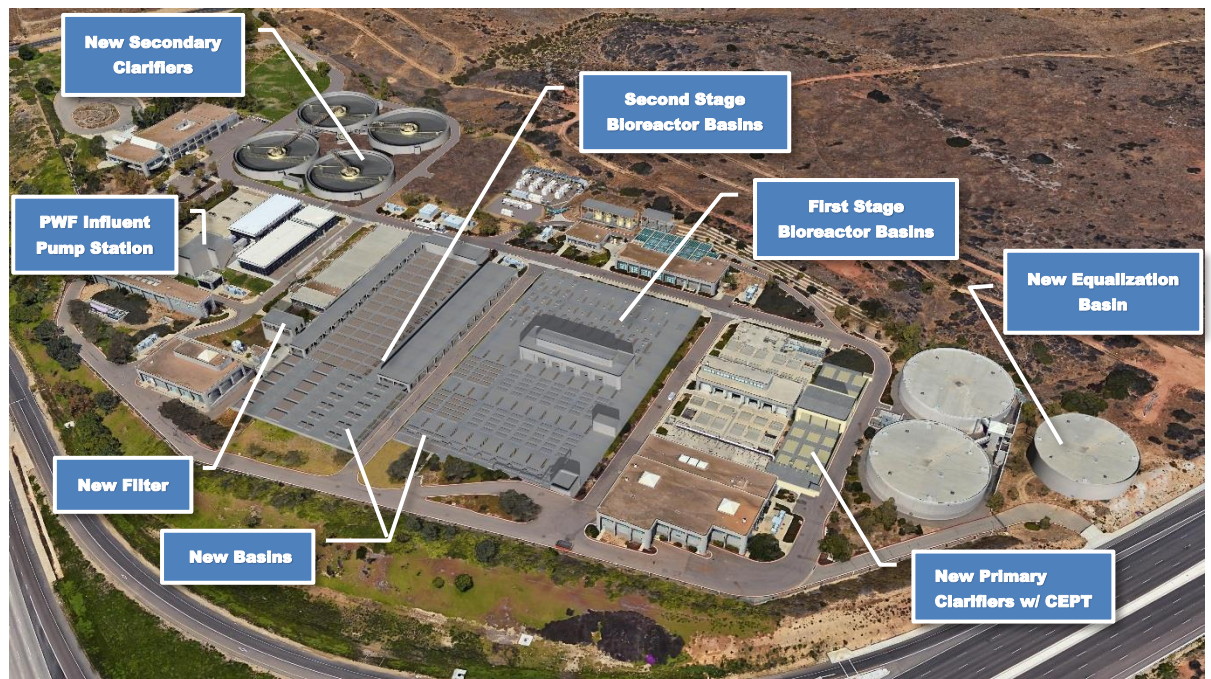
North City Water Reclamation Plant Expansion

The North City Water Reclamation Plant (NCWRP) treats wastewater from several San Diego communities and distributes recycled water for irrigation and industrial purposes in the northern San Diego region. As part of the Pure Water Program, the NCWRP will be expanded from producing 30 million gallons per day (mgd) to 52 mgd so the facility can continue to serve recycled water customers, as well as provide recycled water to the future North City Pure Water Facility (NCPWF).

NCWRP Schedule

- Construction Start: Mid-2019
- Construction End: Mid-2023

Major design elements for the NCWRP expansion include: new secondary clarifiers, the addition of chemically-enhanced primary treatment, expansion of the aeration basins, a new tertiary filter and a new equalization basin. This project also includes the design of a 42.5 mgd pump station and a wastewater pipeline that will convey recycled water produced at the NCWRP to the future NCPWF. The rendering below shows the upgrades that will be made at the NCWRP.



North City Pure Water Facility

The NCPWF will treat the recycled water produced at the NCWRP to purified water standards. The new facility will be constructed north of Eastgate Mall across the street from the existing NCWRP.

The NCPWF will feature a state-of-the-art five-step treatment process that includes:

- Ozonation
- Biological Activated Carbon (BAC) filters
- Membrane filtration
- Reverse osmosis
- Ultraviolet light with advanced oxidation

Other NCPWF design elements include chemical feed systems, site work, yard piping and electrical installations. The facility will also include an operations building, which will house NCPWF operations, maintenance and laboratory staff, as well as a visitor center.

Once operational, the new plant will have a production capacity of up to 34 mgd. The purified water from the NCPWF will be conveyed to Miramar Reservoir. The image below shows a rendering of the NCPWF.

NCPWF Schedule

- Construction Start: Mid-2019
- Construction End: Mid-2023



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