



West Basin Municipal Water District Palos Verdes Recycled Water Pipeline Project Frequently Asked Questions (FAQ)

1) What is the project?

The Palos Verdes Recycled Water Pipeline Project will expand West Basin Municipal Water District's recycled water infrastructure with construction of a new 3.5-mile-long recycled water pipeline in Torrance and Palos Verdes Estates.

The pipeline will connect to West Basin's existing recycled water system in Torrance. It will provide recycled water to more locations in South Torrance and also bring the first drop of recycled water to the Palos Verdes Peninsula.

The project also includes construction of a booster pump station at Lago Seco Park in Torrance. The booster pump station will provide the water pressure force required to pump water to higher elevation sites in Torrance south of Pacific Coast Highway and the Palos Verdes Peninsula.

2) Where is the pipeline alignment, and who will it serve?

The new pipeline will connect to the existing recycled water system at Anza Avenue and Calle Mayor in Torrance and traverse south down Anza Avenue and other streets to supply irrigation water uses for the following sites listed below. See section 5) below for the specific streets in the alignment.

- Medians on Anza Avenue, Torrance
- Medians on Pacific Coast Highway, Torrance
- Richardson Middle School, Torrance
- Lago Seco Park, Torrance
- Los Arboles "Rocketship" Park, Torrance
- Riviera Elementary School, Torrance
- Palos Verdes Golf Club, Palos Verdes Estates

3) What are the project benefits?

Using recycled water for landscape irrigation saves drinking water for human consumption, augments local water supplies, increases drought resiliency and decreases reliance on imported water.

Recycled water programs are also good for the environment. Without West Basin's water recycling efforts, up to 35 to 40 million gallons per day of treated sewage would be discharged directly into the ocean.

This project will deliver nearly 80 million gallons of recycled water to these seven new sites each year, which is the equivalent of 118 Olympic-size swimming pools.

4) How long is construction expected to last?

Pipeline construction is expected to start in summer 2023 and take approximately one year to complete. Construction work will progress along the 3.5 miles so no one segment will be affected for one year. Construction of the booster pump station located at Lago Seco Park will not be in a major activity area of the park and will take approximately nine months to complete.

5) What is the pipeline alignment and who will it serve?

The pipeline will connect to the existing recycled water system at Anza Avenue and Calle Mayor. Please see the alignment map.

The project will extend south along Anza to Pacific Coast Highway to serve several medians, continue south through Vista Montana to Newton Street and Highgrove Avenue to serve Richardson Middle School, to Paseo De Las Tortugas and Calle De Ricardo to serve Los Arboles Rocketship Park and Riviera Elementary School, to Torrance Utility Road, to Via Las Vegas, to Palos Verdes Drive, to Via Navajo and end at Paseo del Campo to serve Palos Verdes Golf Course.

The pipeline will serve the cities of Torrance and Palos Verdes Estates. In Torrance, medians on Anza Avenue and Pacific Coast Highway will have recycled water irrigation as will Lago Seco and Los Arboles Parks. Richard Middle School, Riviera Elementary School and the Palos Verdes Golf Club will also receive recycled water for irrigation.

6) How big is the pipeline, and what is it made of?

The pipeline is between four and ten inches in diameter and made of polyvinyl chloride (PVC). High density polyethylene (HDPE) pipe will be used in the Torrance Utility Road for the directional drilling and a small portion (165 feet) of Ductile Iron pipe (DIP) will be used to help with drainage on Anza Avenue.

7) What is a booster pump station and why is it located at Lago Seco Park?

The booster pump station for this project is a system of pumps that will automatically turn on and off when the water system requires additional pressure to help carry water from the pipeline to connection sites located at higher elevations. The pump station will be located in the southeast corner of Lago Seco Park in Torrance by Ocean Avenue and 238th Street.

Local geography plays a key role in determining the locations where booster pumps are needed along a distribution chain. After careful evaluation, this location was selected as the most feasible location.

8) What will the booster pump station look like?

The pump station building is a masonry block structure approximately 41 feet wide by 21 feet long by 16 feet tall and will look similar in architectural appearance to the existing restroom facility at the park.

9) Will there be chemicals used at the pump station and will any odors emanate from the recycled water?

No chemicals will be used or stored at the pump station and there will be no odor. Recycled water will not be exposed to outside elements and will be completely contained in the pipe and pumps.

10) What is the noise level at the pump station?

When in operation, the approximate noise level of the booster pump will be 40 decibels or the equivalent to the sound of a modern dishwasher, well under the City of Torrance's noise ordinance. Further, the acoustical lining of the pump station building will minimize noise.

11) Who will operate the pump station?

The pump station will operate automatically, and the West Basin operations team will oversee and attend to regular maintenance of the pump station. West Basin will also be responsible for all cleanup and repairs at the pump station.

12) How much will this project cost?

Estimated project cost is \$16 million. This project is being partially funded by project partners:

- California Water Resources Department through Proposition 84
- State Water Resources Control Board through Proposition 68, Proposition 1, and the Clean Water State Revolving Fund
- California Water Service
- Palos Verdes Golf Club
- West Basin Municipal Water District

13) How many recycled water connection sites does West Basin have in Torrance?

The project increases the number of recycled water connection sites from 56 to 62.

14) Will my utility services be interrupted at any time during construction of the project?

No.

15) What are the construction hours? Will there be any work on nights, weekends and holidays?

Work hours are determined by each city. Work is not expected on weekends, holidays or evenings. If there is a need to perform work outside regular times (i.e., an emergency), proper approvals by jurisdictional entities will be obtained and construction notices will be provided.

16) What can I expect during construction?

Typical construction impacts including limited noise, dust, vibration, construction-related traffic and temporary traffic impacts and parking restrictions are expected. Stakeholders will be notified about specific impacts as construction moves along the 3.5-mile-long alignment.

17) What COVID -19 safety measures are in place to protect public health and safety?

Safety measures will be adopted per local mandates and regulations.

18) How will I be informed and updated regarding the project?

West Basin has a construction awareness team in place to keep the public informed. Please visit the West Basin website at www.westbasin.org/pvlateral. Those affected by the project will receive notices and information prior to work in their area through direct communication.

19) Who can I contact with questions or concerns?

Please contact the Construction Awareness Team at recycledwateroutreach@westbasin.org or (424) 246-6878. You can also visit www.westbasin.org/pvlateral for more details.

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