

# Well Drilling and Development

Eastern Municipal Water District (EMWD) is committed to developing local water supply sources to provide our customers a reliable, cost-effective and locally controlled resource. As part of that effort, EMWD is focused on local groundwater to help meet those needs.

In order to access the region's groundwater supplies, EMWD currently operates approximately 30 wells that serve its drinking water and groundwater desalination programs. As EMWD expands its Groundwater Reliability Plus

program, more wells are planned for the future. These wells can go more than 1,000 feet deep in some parts of EMWD's service area, depending on soil conditions and groundwater levels.

Here is what customers may anticipate during well drilling and development:

- Well drilling is a 24-hour per day process to ensure the structural integrity of the well. This around-the-clock process is done in two phases, with each phase lasting several weeks, and a short break in between.
- EMWD will construct sound barriers around the project site to limit impacts to the surrounding community. These temporary barriers are typically 24-feet high and significantly reduce impacts from sound and light at the project site.
- EMWD uses noise and vibration monitors at the project site to measure sound levels at the property line. Most local jurisdictions require sound levels to be at or below 65 decibels at the property line, which is equivalent to the noise emitted from a running shower or normal conversation.
- After the well is drilled, EMWD will perform testing at the site. This will involve operating a temporary engine driven test pump 24-hours per day for several days. In some instances, water may be discharged into a nearby storm drain or sewer connection during the testing process.





Completed well building

- Once the drilling is complete, EMWD will bid a second project to equip the well. This work will be during daytime hours and include the construction of the pump, motors, and a building to house the well equipment. The equipping process typically takes 12-18 months.
- During both the drilling and equipping projects, materials will need to be delivered to or removed from the site. EMWD will restrict hours when these activities take place to help reduce traffic during overnight hours.

EMWD makes every effort to be a good neighbor both during and after construction and appreciates the public's patience as we work to secure your water supply future.

For more information on well drilling, please contact EMWD's Public and Governmental Affairs team at 951-928-3777, ext. 3430.



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