

WATER NEUTRALITY OFFSET CALCULATOR

For Water Feature Projects

New or Enlarged Pools, Spas, Ponds or Other Water Features



Complete this calculator then upload to your project's Supporting Docs folder in the City's Electronic Plan Review (EPR) system. Projects subject to Minor Plan Review require additional City review beyond what can be done in-person at the Permit Services Center. The New Water Demand created by your new water feature project must be offset to comply with Water Neutrality. City staff will review this calculator along with your plan check submittal documents to determine applicable fees and conditions. These fees cover the cost for the City to retrofit water saving fixtures on other existing buildings to offset the New Water Demand created by your project. For more information, please visit www.smgov.net/waterneutrality or email savewater@smgov.net.

Compliance with Water Neutrality minimizes the impact of your project on the City's overall water demand. This helps to ensure a resilient and sustainable water supply for all. *Thank you for doing your part!*

1. Enter Project Information

Project Address:

Permit Number:

Applicant Name:

Utility Account #:

Applicant Email:

Applicant Phone:

&"Enter Information for Each BYk `cf`9b`Uf[YX`Water Feature (i.e. pools, spas, ponds, other)

| | | | | |
|-------------------|------------------|---------|-----------------------------------|----|
| Water Feature #1: | Surface Area #1: | sq. ft. | Fully Automatic Cover (see p. 2)? | |
| | Volume #1: | gallons | Yes | No |

| | | | | |
|-------------------|------------------|---------|-----------------------------------|----|
| Water Feature #2: | Surface Area #2: | sq. ft. | Fully Automatic Cover (see p. 2)? | |
| | Volume #2: | gallons | Yes | No |

| | | | | |
|-------------------|------------------|---------|-----------------------------------|----|
| Water Feature #3: | Surface Area #3: | sq. ft. | Fully Automatic Cover (see p. 2)? | |
| | Volume #3: | gallons | Yes | No |

| | | | |
|---------------------|---------|----------------------|---------|
| Total Surface Area: | sq. ft. | Total Area w/ Cover: | sq. ft. |
| Total Volume: | gallons | Percent w/ Cover: | |

3. New Water Demand = gallons/year

The New Water Demand above is calculated by adding together the following individual demands created by this project:

- Total uncovered evaporation gallons/year = (Total Surface Area (Step 2)) x (.021 ft. evaporation/day) x (7.48 gal./cubic ft) x (365 days/year)
- Savings from Cover(s) gallons/year = (Total Evaporation x % area covered (Step 2)) x (60% covered time) x (93% cover efficiency)
- + Initial fill & refills (every 10 yrs) gallons/year = (Total Volume (Step 2)) / 10

Continued on next page



Applicable Covers

Covers must meet all conditions below for inclusion in this Water Neutrality Calculator.

1. Covers must be power-operated fully automatic solid track covers. Semi-automatic and manual solid track covers are not eligible to be included in this pool calculator.
2. The automatic solid track cover must be included in the plans submitted for Water Neutrality review.
3. Covers must be independently certified to exceed the requirements of the American Society for Testing and Materials (ASTM F1346-91), which sets safety standards for pool covers.
4. Covers must UL listed (U.L. file E52841) for ASTM safety, US electrical, and Canada electrical standards.

If included in this calculator, the project's automatic solid track cover must be verified through a Water Neutrality Offset Inspection before final approval of your project by the City. The Office of Sustainability and the Environment does not plan check or verify the health and safety of covers, associated equipment and/or installation.

When complete, upload this calculator to your project's Supporting Docs folder in the City's Electronic Plan Review (EPR) system.

Thank you!