

**ORDINANCE NO. 24-2
AN ORDINANCE OF THE BOARD OF DIRECTORS OF
CARPINTERIA VALLEY WATER DISTRICT
ADOPTING AND ESTABLISHING A METHODOLOGY
FOR THE CALCULATION OF INITIAL WATER ALLOCATIONS**

WHEREAS, the purpose of these allocations is to enable compliance with the State of California's Water Use Efficiency legislation which sets water use expectations for residential and landscape water use within Carpinteria Valley Water District (District); and

WHEREAS, another purpose of these allocations is to enable the District to consistently and responsibly respond to Applications for Intent to Serve Letters through land use-based estimates of water demand; and

WHEREAS, another purpose of these allocations is to more efficiently target conservation efforts to customers who exceed their account-specific allocation; and

WHEREAS, another purpose of these allocations is to support supply and demand planning and budgeting; and

WHEREAS, the District has reviewed the calculation methods published by the State and the methods of other water districts for calculating water use allocations, and prepared and presented data concerning the appropriate methodology for calculating the allocations, including the following documentation:

1. "Model Documentation for Allocation Program", dated August 23, 2023 ("Methods 1"), which describes the data sources, computational steps, and decisions within the model to calculate account-specific allocations.
2. "Allocation Calculation Methods Summary", dated September 13, 2023 ("Methods 2"), which summarizes the formulas used to calculate allocations for each customer class.

WHEREAS, Methods 1 and 2 were presented at the public Board meeting on September 13, 2023 and included in the board packet available for public inspection and review prior to this public hearing and notice was given in compliance with Government Code Section 66016(a); and

WHEREAS, a public hearing, noticed pursuant to Government Code Section 6066, was held at a regularly scheduled meeting of the Board; and

WHEREAS, after considering Methods 1 and 2, the analysis as referenced hereinabove, and the testimony received at the public hearing, the Board approves said methods, and incorporates methods 1 and 2 herein, and further finds that the initial allocation methodologies set forth in Studies 1 and 2 are reasonable.

NOW, THEREFORE, BE IT ORDAINED by the Board of Directors of the Carpinteria Valley Water District as follows:

Allocations shall be calculated based on customer account class as described below.

Single-family residential, Multi-family residential, Master meter residential account allocations are based on the characteristics of the account and the land use of the associated parcel.

- a. Indoor allocation. Based on the number of dwelling units associated with the account in the District's billing system and the State of California's formula and factors for determining expected water use per dwelling unit.

$$\text{Indoor allocation (HCF per month)} = \text{Dwelling Units} \times 2.65 \text{ people} \times 55 \text{ Gallons Per Capita Day} \times \text{number of days in month} \div 748$$

- I. The indoor allocation uses the following data.
 - i. One hundred cubic feet (HCF) is equal to 748 gallons.
 - ii. The District uses the 2020 Census estimate of 2.65 people per dwelling unit.
 - iii. The District uses the State's expectation of efficient indoor water use per person.

- b. Outdoor allocation. Based on the irrigated area on the parcel according to the District's aerial imagery survey and the State of California's formula and factors for determining expected water use per irrigated square foot.

$$\text{Outdoor allocation (HCF per month)} = \text{Evapotranspiration (ET)} \times \text{Irrigated Area} \times \text{Plant Factor} \times 0.62 \div 748$$

- II. The outdoor allocation uses the following data
 - i. The District uses monthly ET values from the California Irrigation Management Information System (CIMIS) Santa Barbara Station.
 - ii. Irrigated areas are based on aerial imagery analysis using aerial imagery from 2020.
 - iii. The District uses Plant Factors (also called ET factors) to represent efficient water demand of the landscape. Residential landscapes receive a plant factor of 0.55 (new construction) 0.65 (old construction) according to the State's water use efficiency guidance.
 - iv. The conversion factor from inches to gallons is 0.62.
 - v. One hundred cubic feet (HCF) is equal to 748 gallons.

Landscape irrigation accounts

- a. Outdoor allocation. Based on the irrigated area on the parcel according to the District's aerial imagery survey and the State of California's formula and factors for determining expected water use per irrigated square foot.

$$\text{Outdoor allocation (HCF per month)} = \text{Evapotranspiration (ET)} \times \text{Irrigated Area} \times \text{Plant Factor} \times 0.62 \div 748$$

- I. The outdoor allocation uses the following data
 - i. The District uses monthly ET values from the California Irrigation Management Information System (CIMIS) Santa Barbara Station.
 - ii. Irrigated areas are based on aerial imagery analysis using aerial imagery from 2020.
 - iii. The District uses Plant Factors (also called ET factors) to represent efficient water demand of the landscape. Landscape accounts receive a plant factor of 0.8 according to the State's water use efficiency guidance.
 - iv. The conversion factor from inches to gallons is 0.62.
 - v. One hundred cubic feet (HCF) is equal to 748 gallons.

Commercial, Industrial, Public Authority* accounts

- a. Total allocation. Based on historical water use. Within the context of the Water Use Efficiency regulations, the State of California does not specify a formula for determining indoor or outdoor water use for commercial, industrial, or public authority accounts.

$$\text{Monthly allocation (HCF per month)} = \text{average historical water consumption}$$

- I. The allocation uses the following data
 - i. *School fields and city parks classified as public authority accounts are treated as landscape irrigation accounts for the purpose of calculating an allocation.
 - ii. Historical water consumption is based on water use from 2017-2022.

Parks and school fields accounts

- a. Outdoor allocation. Based on the irrigated area on the parcel according to the District's aerial imagery survey and the State of California's formula and factors for determining expected water use per irrigated square foot.

$$\text{Outdoor allocation (HCF per month)} = \text{Evapotranspiration (ET)} \times \text{Irrigated Area} \times \text{Plant Factor} \times \text{Conversion Factor}$$

- I. The outdoor allocation uses the following data
 - i. The District uses monthly ET values from the California Irrigation Management Information System (CIMIS) Santa Barbara Station.
 - ii. Irrigated areas are based on aerial imagery analysis using aerial imagery from 2020.

- iii. The District uses Plant Factors (also called ET factors) to represent efficient water demand of the landscape. Residential landscapes receive a plant factor of 0.8 according to the State's water use efficiency guidance.
- iv. The conversion factor from inches to gallons is 0.62.
- v. One hundred cubic feet (HCF) is equal to 748 gallons.

Agriculture accounts

- a. Total allocation. Based on historical water use. Within the context of the Water Use Efficiency regulations, the State of California does not specify a formula for determining indoor or outdoor water use for agricultural accounts.

Monthly allocation (HCF per month) = average historical water consumption

- I. The allocation uses the following data
 - i. Historical water consumption is based on water use from 2017-2022.

Inactive accounts

Inactive accounts are existing District meters without 12 consecutive months of water use in the past ten years. Inactive accounts with the agricultural, commercial, industrial, or institutional customer class will receive an allocation of half the average water use of the corresponding customer class and meter size. The calculation of average water use is based on calendar years 2017-2022.

Parcels with no District water meter

Parcels with no District meter will have an allocation of zero. Allocations are intended to represent reasonable metered demand and these parcels have no meter.

Allocation revisions

Customers may request the District review allocations for accounts with at least six months of water use history. The District will consider revising allocations for the following:

- 1) The number of people residing in the dwelling unit(s) associated with the account average more than 2.65 people per residence AND as a result, the account is regularly exceeding its allocation.
- 2) The customer suspects the aerial imagery analysis incorrectly assessed the landscaping on their parcel because their allocation is too low to reasonably reflect the irrigated area on the parcel. As a rule of thumb, each 1000sqft of irrigated area is allocated 2-3 HCF per month.
- 3) There are multiple meters on the parcel and the customer suspects that the total landscape area for the parcel was not divided among the meters in a way that reflects actual water use because one or more accounts is regularly exceeding its allocation.

- 4) *Projects which received new or updated allocations through an intent to serve letter may request an adjustment to the way the total allocation for their development was apportioned across meters after those meters have been in use at least 6 months. Note the total allocation cannot be altered in this case, only the way the allocation is divided among the individual accounts associated with the development.*

To request revision of an existing allocation, an authorized user of the account should [submit the appeals form](#) to the District. The District will review the information and may adjust the allocation, at the General Manager's discretion.

BE IT FURTHER ORDAINED:

1. The above recitals are true and correct and are incorporated herein as though set forth in full.
2. By the adoption of this Resolution account-specific initial allocations will be determined using the methodology described.
3. Such allocation will, at this time not be associated with any fees or charges.
4. Any fees or charges associated based on account-specific initial allocations shall be separately adopted by Resolution or Ordinance by the Board.
5. The Allocation Methodology is effective upon adoption and shall continue until changed by action of the District Board.

BE IT FURTHER ORDAINED that this Ordinance shall take effect on December 11, 2024 by roll call as follows:

AYES: Holcombe, Balch, Roberts and Van Wingerden
 NAYES:
 ABSENT:
 ABSTAIN: O'Connor

PASSED AND ADOPTED by the Board of the Carpinteria Valley Water District this 11th day of December, 2024

APPROVED Signed by:

Case Van Wingerden

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Case Van Wingerden, President

ATTEST DocuSigned by:

Lisa Silva

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Lisa Silva, Board Secretary