



# WATER & POWER

Serving Central California since 1887

## Quick Reference Guide

### OVERVIEW

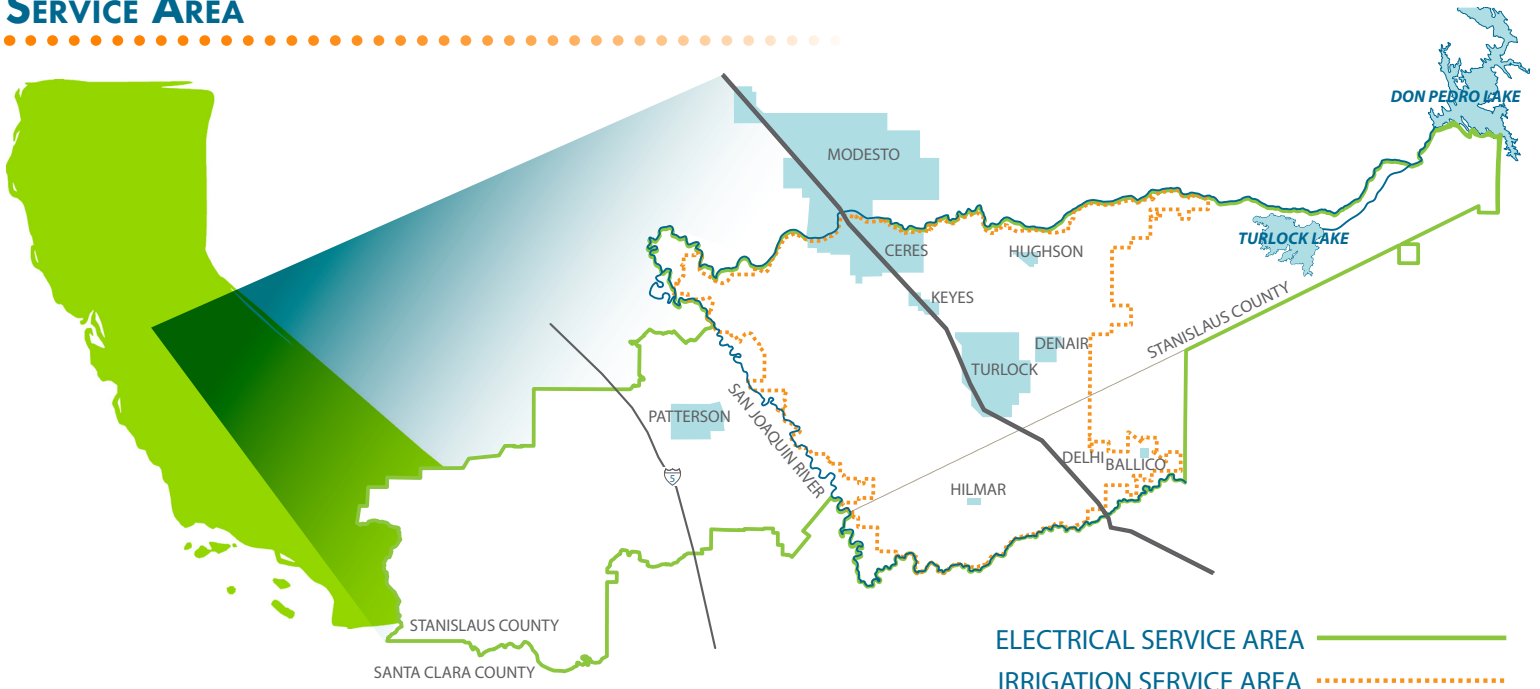
Established in 1887, the Turlock Irrigation District (TID) was the first irrigation district in the state. Today it is one of only four in California that also provides electric retail energy directly to homes, farms, and businesses. Organized under the Wright Act, the District operates under the provisions of the California Water Code as a special district. TID is governed by a five-member, locally-elected Board of Directors.

TID delivers irrigation water through over 250 miles of a gravity-fed canal system that irrigates approximately 150,000 acres of farmland. In addition, TID owns and operates an integrated and diverse electric generation, transmission and distribution system that provides power to a population of 240,000 within a 662 square-mile area. TID is one of eight Balancing Authorities in California and operates independently within the Western United States power grid. A Balancing Authority performs a balancing function in which customers' usage and resources are matched on a moment-by-moment basis.

### OUR MISSION

TID will provide reliable and competitively priced water and electric service, while being good stewards of our resources and providing a high level of customer satisfaction.

### SERVICE AREA



### Board of Directors

Division 1	Michael Frantz
Division 2	David Yonan
Division 3	Joe Alamo
Division 4	Rob Santos
Division 5	Ron Macedo

### General Manager

Michelle Reimers

### Number of Employees

458

### Electric Service Area

662 square-miles

### Electric Population Served

240,000

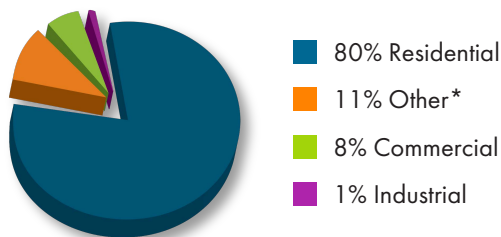
### Irrigation Service Area

307 square-miles

### Irrigation Accounts

4,700

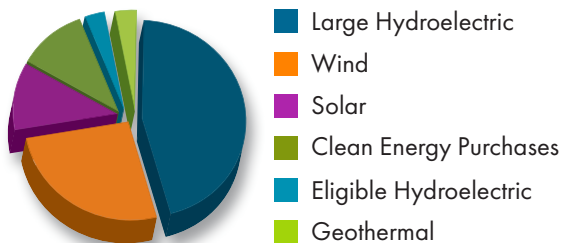
## ELECTRIC SERVICE CUSTOMER BREAKDOWN



\*Includes agricultural and municipal water pumping, and street lighting.

## TID'S GREEN ENERGY PORTFOLIO

Our Green Energy Portfolio includes large and small hydro facilities, a 137 MW wind farm, annual purchases of 54 MW of solar power, and an interest in a geothermal plant in Sonoma County. These assets, along with strategic purchases of clean imported power, pushed our Greenhouse Gas and carbon free energy resources to 58% in 2021.



## TID GENERATION FACILITIES

Facility	Type	Capacity
Don Pedro Dam & Powerhouse	Hydroelectric	203 MW*
Small Hydro Projects	Hydroelectric	26 MW
Walnut Energy Center	Natural Gas	258 MW
Almond 2 Power Plant	Natural Gas	172 MW
Almond Power Plant	Natural Gas	49 MW
Walnut Power Plant	Natural Gas	49 MW
Tuolumne Wind Project	Wind	136.6 MW
NCPA Geothermal	Geothermal	6 MW
Rosamond 2	Solar	54MW

\*TID's share is 139 MW

## TID RESIDENTIAL ENERGY EFFICIENCY PROGRAMS

Rebate Program	Rebates Issued	Annual Energy Savings
LED Lighting	1,380	12,531 kWh
Refrigerator	229	42,282 kWh
Clothes Washer	98	8,203 kWh
Pool Pump	80	32,352 kWh
Shade Tree	332	85,300 kWh
Heating	101	45,474 kWh
Cooling	421	135,879 kWh
Shell	72	23,381 kWh
Water Heater	4	1,539 kWh
Other	967	141,340 kWh

(2022 totals)



## Key Dates

- 1887** TID is organized on June 6 as the first irrigation district in California.
- 1893** TID and MID build La Grange Diversion Dam to divert water into their canal systems.
- 1900** Henry Stirling is the first farmer to receive irrigation water.
- 1923** The Original Don Pedro Dam and Powerhouse is constructed, capable of generating up to 15 megawatts (MW) and storing 289,000 acre-feet (AF) of water. TID enters into the electric industry.
- 1971** The New Don Pedro Dam and Powerhouse is constructed with a water storage capacity of 2,030,000 AF. With the addition of a fourth generating unit decades later, the facility eventually possesses a total generating capacity of 203 MW.
- 2003** TID purchases the 225 square-mile Westside Service Area from PG&E.
- 2005** TID obtains certification as an independent Balancing Authority.
- 2008** TID constructs the Tuolumne Wind Project, a wind generation facility capable of producing 136.6 MW.
- 2015** The Lateral 8 Regulating Reservoir Project is completed and begins capturing, storing and releasing water into TID's irrigation system. TID enters into an agreement to sell surface water to the Stanislaus Regional Water Authority to be used for drinking water needs. TID enters into a 20-year Power Purchase Agreement for 54 MW of solar annually, enough to power 20,000 homes.
- 2017** TID forms West Turlock Groundwater Sustainability Agency with local agencies to develop a Groundwater Sustainability Plan in compliance with Sustainable Groundwater Management Act. TID and MID file Amended Final License Application for the Don Pedro Project with the Federal Energy Regulatory Commission.
- 2021** TID joins the Western Energy Imbalance Market.

## WATER SERVICE

**Miles of Gravity-Fed Canals** 250 miles

**Irrigated Acres** 146,791 acres

**Amount Delivered** 403,466 acre-feet annually

**Pricing** Fixed charge per acre plus tiered charges based on amount received (depends on normal or dry year)

**Water Sources** Surface Water (Tuolumne River and groundwater)