



The mission of Sweetwater Authority is to provide its current and future customers with a safe and reliable water supply through the use of the best available technology, sound management practices, public participation and a balanced approach to human and environmental needs.

### Sweetwater Authority Boundaries

Gross land area (sq. miles)	<b>45.1</b>
■ Loveland Reservoir	<b>5.1</b>
■ Service area	<b>36.1</b>
■ San Diego Bay	<b>3.7</b>
■ City of San Diego	<b>0.2</b>

### Service Area

Total Service Area (sq. miles)	<b>36.1</b>
■ National City	<b>9.2</b>
■ South Bay Irrigation District	<b>26.9</b>
2017 Population estimates	
■ Service area	<b>190,680</b>
■ South Bay Irrigation District	<b>130,520</b>
■ National City	<b>60,160</b>

### Fire Hydrants

Total	<b>2,594</b>
■ Bonita	<b>452</b>
■ Chula Vista	<b>1,326</b>
■ National City	<b>816</b>

### Pipelines

Average pipe age	<b>44 yrs</b>
Total length (in miles)	<b>401</b>
■ 6 inch diameter and smaller	<b>151</b>
■ 8 to 10 inch	<b>144</b>
■ 12 inch	<b>64</b>
■ > 12 to 16 inch	<b>18</b>
■ larger than 16 inch	<b>24</b>

### Meters (active)

Total	<b>33,613</b>
■ Residential	<b>29,746</b>
■ Commercial	<b>3,247</b>
■ Government/other	<b>576</b>
■ Industrial	<b>44</b>
■ Agricultural	<b>0</b>

### Interconnections & Pressure Zones

■ Emergency interconnections	<b>13</b>
■ Pressure zones	<b>21</b>

### Production

FY 2017-18 total system production	<b>17,381 af</b>
■ Local Reservoirs	<b>6,621 af</b>
■ National City Wells	<b>1,733 af</b>
■ Imported water	<b>1,955 af</b>
■ Groundwater desalination	<b>7,069 af</b>
■ Interconnections	<b>3 af</b>
■ Historical use imported (20 yrs.)	<b>54%</b>
■ Maximum daily production (10-20-17)	<b>20.8 mgd</b>
■ Average daily production	<b>15.5 mgd</b>

### Sweetwater Reservoir/Dam

■ Reservoir storage capacity	<b>28,079 af</b>
■ Dam height (parapet top to bedrock)	<b>127'</b>
■ Crest elevation	<b>241'</b>
■ Completion date	<b>April 7, 1888</b>
■ Number of spills	<b>13</b>
■ Last spill	<b>1998</b>
■ Average annual rainfall (since 1888)	<b>11.26"</b>

### Loveland Reservoir/Dam

■ Reservoir storage capacity	<b>25,387 af</b>
■ Dam height	<b>203'</b>
■ Crest elevation	<b>1,355'</b>
■ Completion date	<b>July 17, 1945</b>
■ Number of spills	<b>12</b>
■ Last spill	<b>2011</b>
■ Average annual rainfall (since 1944)	<b>15.11"</b>

#### Conservation is Our Way of Life

In our semi-arid climate, water will always be a limited resource; however, there are many inexpensive ways to be more water efficient! For ideas and tips, check our website at [www.sweetwater.org](http://www.sweetwater.org) or call our Water Efficiency Helpline at 619-409-6779.

## Raw Water

Storage capacity	<b>53,466 af</b>
Aqueduct connection capacity	<b>64 cfs</b>

## Treated Water

■ Total storage reservoirs	<b>25</b>
■ Total capacity (gallons)	<b>42,835,200</b>
■ Concrete reservoirs	<b>3</b>
■ Concrete reservoirs capacity (gallons)	<b>32,000,000</b>
■ Steel tanks	<b>16</b>
■ Total hydro stations	<b>7</b>
■ Hydro-pneumatic steel tanks	<b>7</b>
■ Tank capacity (gallons)	<b>10,835,200</b>
■ Total pump stations	<b>17</b>
■ Approximate total pumping capacity (gallons/minute)	<b>36,000</b>
■ Aqueduct connection capacity	<b>62 cfs</b>

## Sweetwater River Watershed

Total area (square miles)	<b>230</b>
■ Lower watershed	<b>48</b>
■ Middle watershed	<b>84</b>
■ Upper watershed	<b>98</b>

## First Days

Kimball Brothers Water	<b>May 26, 1869</b>
Sweetwater Authority	<b>February 3, 1972</b>
Sweetwater Authority Operations	<b>August 10, 1977</b>

## Employees (funded)

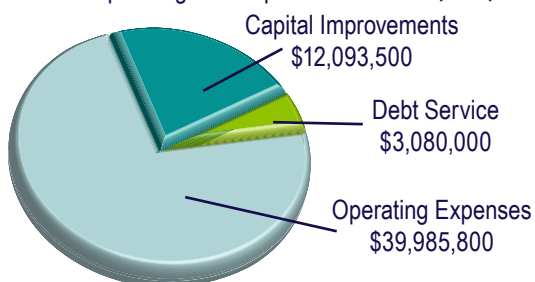
Total	<b>128</b>
-------	------------

## Water Equivalents

1 cubic foot	<b>7.48 gallons</b>
1 acre-foot	<b>325,850 gallons</b>
1 million gallons	<b>3.07 af</b>
1 million gallons/day	<b>1,120 af/year</b>

## Budget

2017-2018 Operating and Capital	<b>\$55,159,300</b>
---------------------------------	---------------------



## Rates

**Per unit of water (effective September 2016)**  
(100 cubic feet = 748 gallons)

■ Residential use:	
• 0 - 10 units	<b>\$3.86</b>
• 11 - 16 units	<b>\$4.75</b>
• 17 - 27 units	<b>\$6.39</b>
• 28 + units	<b>\$6.90</b>

■ Multi-family use:	<b>\$5.93</b>
■ Public Agency use:	<b>\$6.58</b>
■ Commercial use:	<b>\$6.08</b>

**Readiness-to-Serve Charge:** A standard charge for water availability that is based on the size of the water meter, regardless of water usage.

■ 5/8 inch	<b>\$21.80</b>
■ 1 inch	<b>\$30.68</b>
■ 1-2 inch	<b>\$46.86</b>
■ 2 inch	<b>\$64.62</b>
■ 3 inch	<b>\$118.88</b>
■ 4 inch	<b>\$196.88</b>
■ 6 inch	<b>\$381.98</b>
■ 8 inch	<b>\$619.74</b>
■ 10 inch	<b>\$925.72</b>

## Wholesale Imported Water Cost

*Per acre foot, from San Diego CWA (January 2016)*

■ Raw water	
Tier I	<b>\$1,009</b>
Tier II	<b>\$1,095</b>
■ Treated water	
Tier I	<b>\$1,309</b>
Tier II	<b>\$1,395</b>

## San Diego County Water Authority (CWA) Surcharge:

- 1) CWA Infrastructure Access Charge (IAC) is a fixed charge levied on all retail meters within our service area (per 2 months). The charge is based on the meter size; for example \$6.02 - 5/8" meter.
- 2) Customer Service/Storage Charge of \$0.25 per Hundred Cubic Feet (HCF)

### Key to Abbreviations

af = acre feet  
cfs = cubic feet per second  
mgd = million gallons per day  
gal = gallon

## Operating locations



### Administration

505 Garrett Avenue  
Chula Vista, CA 91910  
(619) 420-1413

### Distribution

744 "F" Street  
Chula Vista, CA 91910

### Robert A. Perdue Water Treatment Plant

100 Lakeview Ave.  
Spring Valley, CA 91977

### Richard A. Reynolds Groundwater Desalination Facility

3066 N. Second Avenue  
Chula Vista, CA 91910

## Sweetwater Authority



### Mailing Address:

P.O. Box 2328  
Chula Vista,  
CA 91912-2328

### Phone:

(619) 420-1413

### Website:

[www.sweetwater.org](http://www.sweetwater.org)