



Water Capacity Fee Study

CITY OF MANTECA
ADMINISTRATION CENTER

Water Capacity Fee Study

- Capacity Fee Study last completed in 2008
 - Adjusted for inflation per CPI
- Data Source
 - 2043 General Plan
 - 2024 Water Master Plan
 - City Financial Data
 - Handy-Whitman Index
- Fee Calculation Methodology
 - ✓ Buy-In approach
 - Incremental Increase
 - Hybrid approach



Water Capacity Fee Calculations

$$\begin{aligned}\text{Unit Cost}_{(\text{gpd})} &= (\text{System Value} - \text{Current Debt}) / (\text{Max Day Demand}) \\ &= (\$143.65\text{M} + 0.9\text{M} - \$8.9\text{M}) / (20.1\text{MGD}) \\ &= \$7.14 \text{ per gallon per day}\end{aligned}$$

$$\begin{aligned}\text{EDU Water Demand}_{(\text{gpd})} &= (\text{EDU}_{\text{MDD}}) * (\text{Max Day Peaking Factor}) \\ &= (430 \text{ gpd}) * (1.68) \\ &= 723.42 \text{ gallon per day per EDU}\end{aligned}$$

$$\begin{aligned}\text{Capacity Fee} &= (\text{Unit Cost}) * (\text{EDU Water Demand}) \\ &= (\$7.14) * (723.42) \\ &= \$5,167.79 \text{ per EDU}\end{aligned}$$



Water Capacity Fee

Meter Size	Current Fee	Proposed Fee
3/4"	\$5,324.00	\$5,167.79
1"	\$9,101.00	\$8,612.98
1 1/2"	\$18,143.00	\$17,225.96
2"	\$29,038.00	\$27,561.54
3"	\$54,482.00	\$60,290.87
4"	\$90,819.00	\$108,523.57
6"	\$181,577.00	\$275,615.43
8"	\$290,556.00	\$482,327.00



Water Meter Installation Fee

- Meter Installation Fee = Labor + Truck + Parts

Meter Size	Current Fee	Proposed Fee
3/4"	\$404.00	\$870.26
1"	\$571.00	\$1,006.36
1 1/2"	\$989.00	\$1,648.47
2"	\$1,150.00	\$2,062.87
3"	\$5,443.00	\$10,441.80
4"	\$6,597.00	\$12,197.55
6"	\$18,663.00	\$17,925.64
8"	\$24,066.00	\$24,956.85



Interim Residential New Connections

- Existing single family built prior to March 2024
- Must be within City Limits
- No prior water connection

Meter Size	Meter Installation Fee	Administration Fee	Proposed Fee
3/4"	\$870.26	\$500.00	\$1,370.26
1"	\$1,006.36	\$500.00	\$1,506.36





THANK YOU!

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Connection Fee Comparison

Figure 1: Connection Fee Comparison

