

Shasta County public water systems

15
systems are Failing or At-Risk
21% of all systems in the county profile

Status classification Share of listed systems, followed by the count, reported population, and funding in each status.

	Failing	At-Risk	Potentially At-Risk	Not At-Risk	Not Assessed
Systems	2	13	6	49	2
Population	221	6,607	1,287	75,029	89,658
Funding since 2017	\$0	\$3M	\$0	\$40M	\$534K

Key figures

72
public water systems

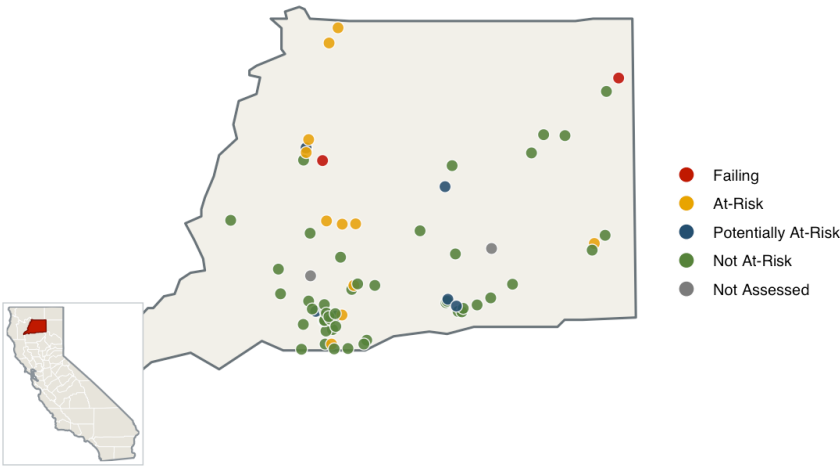
172,802
reported population

75%
serve 500 people or fewer

\$43M
reported funding since 2017

System locations

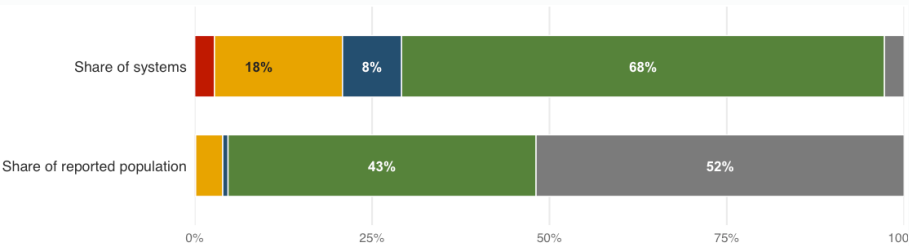
Points show reported system locations. They do not represent service-area boundaries.



Each point represents one system record. Nearby or overlapping points can conceal multiple systems.

Summary

Shasta County has 72 public water systems in the SAFER dataset. Of these, 15 (21%) are classified as Failing or At-Risk. Those systems report serving 6,828 people. The county profile is also shaped by small systems: 54 systems serve 500 people or fewer. 2 systems are listed as Not Assessed, serving 89,658 people, so Not Assessed should not be read as a low-risk classification. Reported funding since 2017 totals \$43M across 14 systems. Technical assistance funding totals \$4M.



System counts and reported population

Not Assessed systems make up 3% of listed systems and 52% of reported population. That population sits in a few large systems outside the SAFER assessment's scope, which generally have more capacity, so this reflects scope rather than hidden risk.

Risk profile

Risk in Shasta County is distributed across four dimensions. Accessibility contributes the largest share of the combined weighted risk score at 53%. Across all individual indicators, No intertie appears most often, affecting 68 of 70 assessed systems.

Water Quality

10%

of combined weighted risk

State 32% · ▼ 22 pts

MOST COMMON FLAG

Emerging contaminants

Accessibility

53%

of combined weighted risk

State 36% · ▲ 16 pts

MOST COMMON FLAG

No intertie

Affordability

18%

of combined weighted risk

State 17% · ▲ 1 pts

MOST COMMON FLAG

Household socioeconomic burden

TMF Capacity

19%

of combined weighted risk

State 15% · ▲ 5 pts

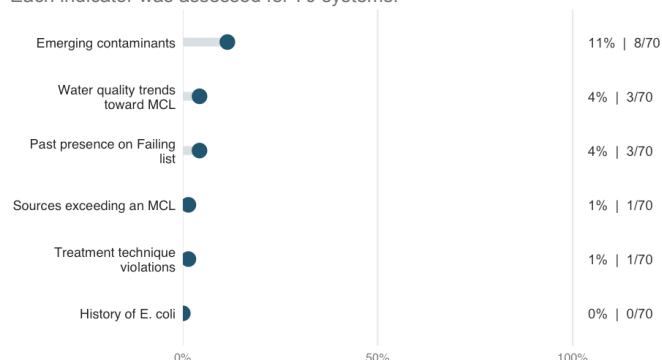
MOST COMMON FLAG

Total net annual income

Water Quality

Water Quality accounts for 10% of the county's combined weighted risk score. Emerging contaminants appears in 8 of 70 assessed systems. Water quality trends toward MCL is next, appearing in 3 of 70 assessed systems.

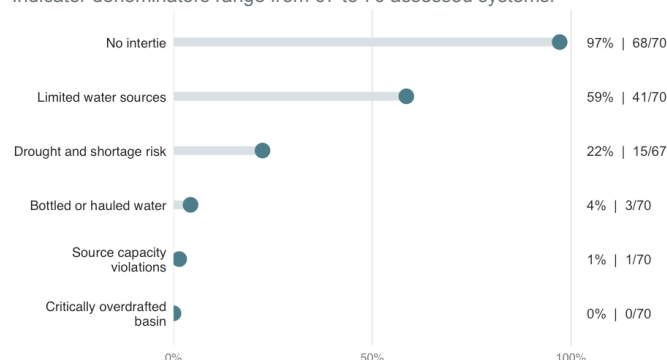
Each indicator was assessed for 70 systems.



Accessibility

Accessibility accounts for 53% of the county's combined weighted risk score. No intertie appears in 68 of 70 assessed systems. Limited water sources is next, appearing in 41 of 70 assessed systems.

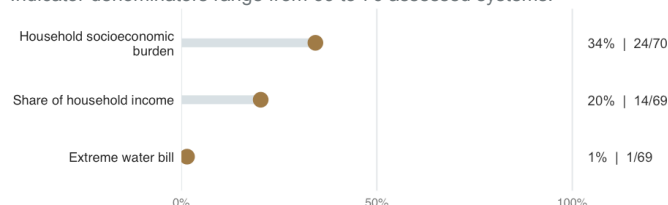
Indicator denominators range from 67 to 70 assessed systems.



Affordability

Affordability accounts for 18% of the county's combined weighted risk score. Household socioeconomic burden appears in 24 of 70 assessed systems. Share of household income is next, appearing in 14 of 69 assessed systems.

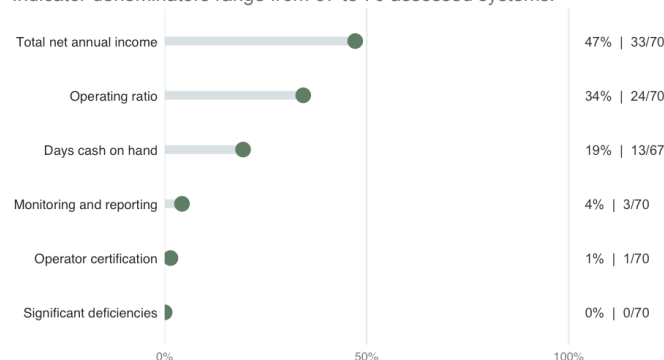
Indicator denominators range from 69 to 70 assessed systems.



TMF Capacity

TMF Capacity accounts for 19% of the county's combined weighted risk score. Total net annual income appears in 33 of 70 assessed systems. Operating ratio is next, appearing in 24 of 70 assessed systems.

Indicator denominators range from 67 to 70 assessed systems.

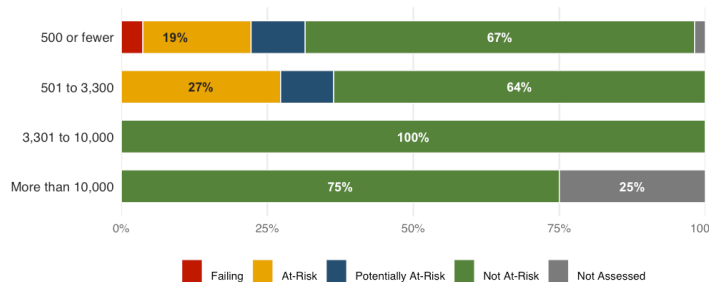


Patterns and context

The countywide totals hide important differences among systems. The panels below show how SAFER status varies by system size and service-area economic status, what conditions appear among Failing systems, and how reported funding is distributed across the 72 systems in Shasta County.

Status by system size

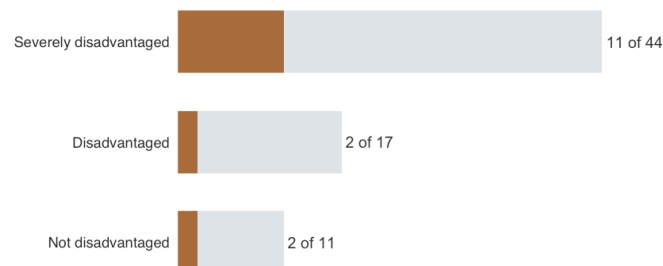
SAFER status within each population group



Among systems serving 500 people or fewer, 12 of 54 are Failing or At-Risk. The highest concentration occurs among systems serving 501 to 3,300, at 27%.

Economic context

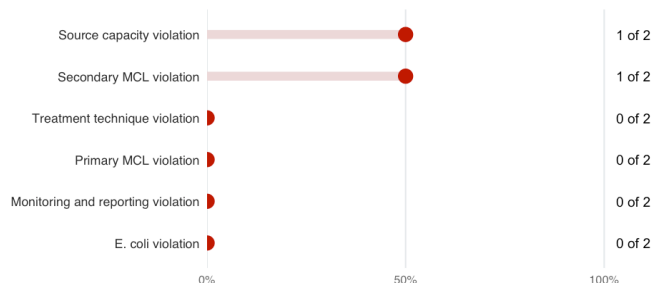
Orange shows Failing or At-Risk systems within each service-area group



DAC and SDAC service areas contain 61 of 72 listed systems. Within those two groups, 13 systems are Failing or At-Risk.

Conditions among Failing systems

A system can appear under more than one condition

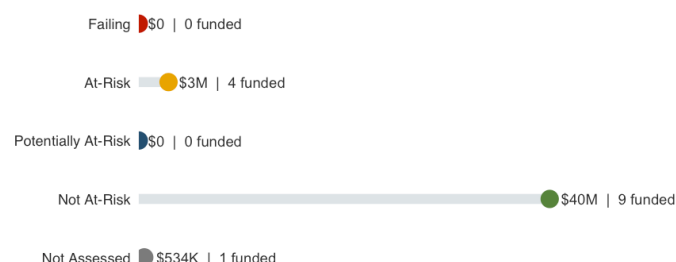


No primary analytes were listed for Failing systems.

Among 2 Failing systems, 1 report secondary MCL violation. No primary analytes are listed for these systems.

Reported funding

Totals since 2017 and number of systems reporting funding



Funding since 2017 totals \$43M across 14 systems. Not At-Risk systems account for 92% of that total. Reported technical assistance funding adds \$4M.

Key takeaways

21%

of systems are Failing or At-Risk

That represents 15 systems reporting service to 6,828 people. That is below the statewide average of 33%.

53%

of weighted risk comes from Accessibility

The most widespread individual flag is no intertie, found in 68 of 70 assessed systems. Statewide, Accessibility accounts for 36% of weighted risk.

75%

of systems serve 500 people or fewer

Small systems account for 54 of the county's 72 listed systems. That is above the statewide average of 61%.



Interactive SAFER dashboard

For system-level data and current maps, see the State Water Board's SAFER dashboard. Scan the code or visit waterboards.ca.gov/drinking_water/certlic/drinkingwater/saferdashboard.html.