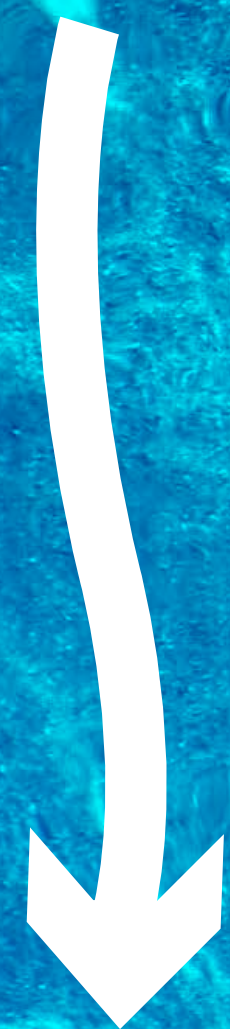


UPSTREAM



Orr Ditch Hydroelectric Project

Using existing infrastructure and untapped canal capacity, the Orr Ditch project will provide renewable energy directly to Chalk Bluff Water Treatment Plant, the region's largest drinking water production facility.

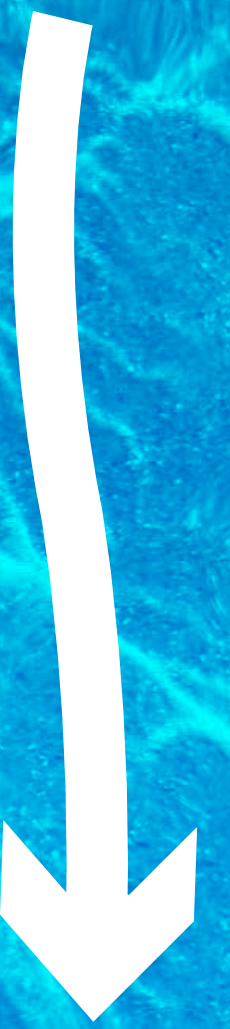


35 MGD average customer demand in WINTER

Highland Canal delivery capacity to Chalk Bluff **87 MGD**

80 MGD average customer demand in the SUMMER

Truckee River



Orr Ditch Pipeline: Water not needed flows downslope back into the river.

- ◆ The Highland Canal conveys water from the Truckee River to Chalk Bluff WTP.
- ◆ The capacity of the Highland canal can carry more water than TMWA needs to produce.
- ◆ The Orr Ditch conveys unneeded water from Highland Canal to the Truckee River using gravity.
- ◆ Directing excess water through two 500KW hydroelectric turbine generators at Orr Ditch will produce clean, carbon neutral energy with virtually no water loss in the process.



Orr Ditch Hydroelectric Project Benefits

- ◆ Serves as a back-up energy supply
- ◆ Mitigates the impact of increased energy rates
- ◆ Offsets annual expenses by \$300,000 - \$350,000
- ◆ Helps keep customer rates low

Estimated Completion Late 2024

DOWNSTREAM