

WATER+

A MULTI-BENEFIT WATER SOLUTION FOR NORTH DELTA COMMUNITIES, ECOSYSTEMS, AND ECONOMY



SOLANO COUNTY
WATER AGENCY



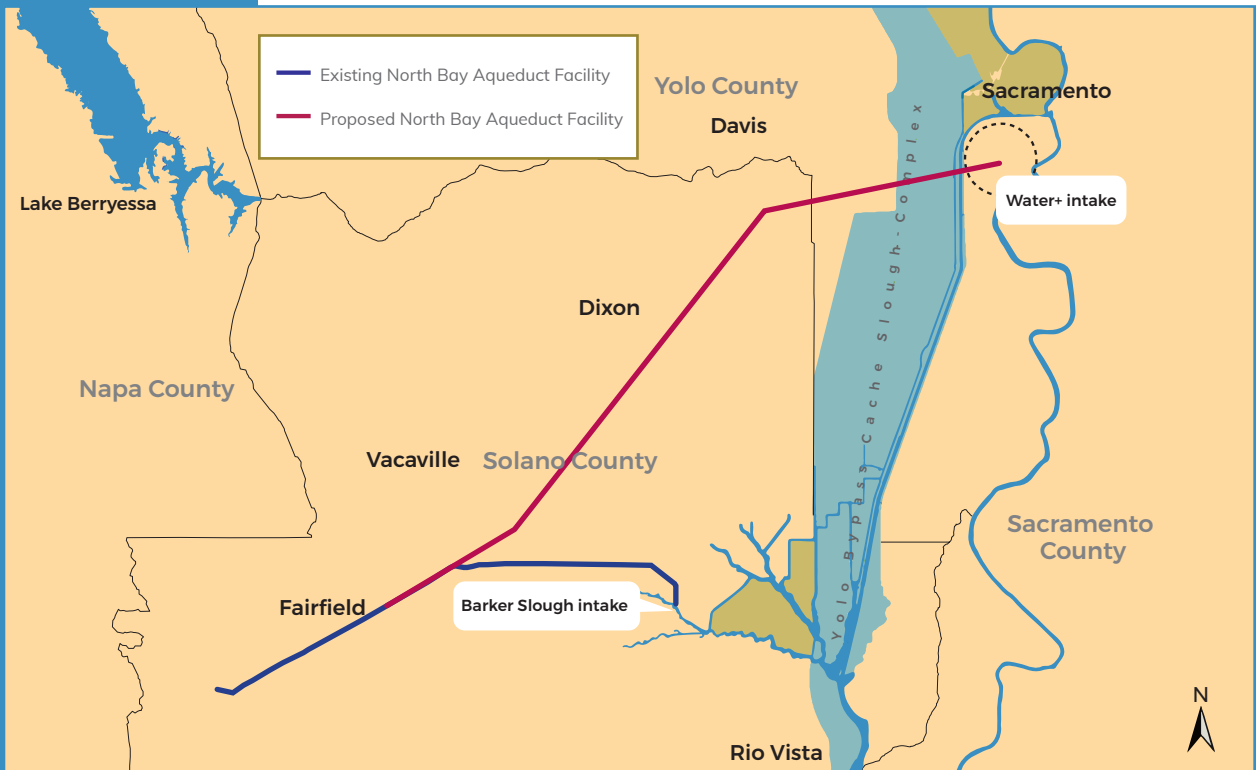
500,000 CALIFORNIANS IN NAPA AND SOLANO COUNTIES RELY ON THE NORTH BAY AQUEDUCT TO DELIVER THE WATER THEY NEED TO RUN THEIR HOMES, FARMS AND BUSINESSES THAT SUPPORT THE REGION'S ECONOMY.

THE PROBLEM: Barker Slough Intake Water at Risk

- ✘ SEASONAL POOR DRINKING WATER QUALITY
- ✘ SEA LEVEL RISE
- ✘ SENSITIVE FISH HABITAT
- ✘ OPERATIONAL CONSTRAINTS

THE WATER+ SOLUTION: Additional Intake Further North on Sacramento River

- ✔ IMPROVE DRINKING WATER QUALITY
- ✔ REDUCED THREAT FROM SEA LEVEL RISE
- ✔ IMPROVED ECOSYSTEM MANAGEMENT
- ✔ OPERATIONAL FLEXIBILITY



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PROJECT BENEFITS



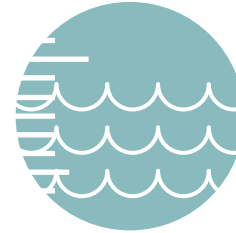
INCREASE WATER
SUPPLY RELIABILITY



SECURE SAFE DRINKING
WATER SUPPLIES



IMPROVE ECOSYSTEM
& FISH HABITAT



PROTECT AGAINST
SALTWATER INTRUSION
DUE TO SEA LEVEL RISE



MAINTAIN REGIONAL
ECONOMY

CONVEYANCE = CONNECTIONS

California's water future is a connected one, and the more we invest in infrastructure to connect our water systems to different sources and to each other, the more we will be able to meet the needs of California's people and environment. By connecting the North Bay Aqueduct system to an additional intake on the Sacramento River, Napa and Solano counties can:



- Blend water together with other sources to improve water quality and limit the costs of treating water for people to drink, cook and bathe.
- Diversify the sources of regional water supplies to improve climate resiliency by increasing the ability to move and store water throughout the system.
- Contribute to the State's co-equal goals – a recommended action of the Delta Plan.
- Reduce the impact of current water operations on endangered fish species.
- Create new opportunities to deliver water for ecological and habitat restoration purposes.
- Make modest improvements to stream flows that fish rely on for better habitat, water quality and food production.
- Help implement the Sustainable Groundwater Management Act (SGMA) by increasing opportunities for groundwater recharge.

PROJECT PLANNING COSTS AND TIMELINE AS OF SUMMER 2021: 12-24 MONTHS

\$200,000

INFRASTRUCTURE EVALUATION

\$1,100,000

ECOLOGICAL BENEFITS ANALYSIS

\$200,000

IRRIGATION NEEDS ASSESSMENT