



Logan River Watershed Plan-EIS Solutions and Benefits

North Logan City



After extensive discussion, analysis, and comparison between evaluated alternatives, Cache Water District, Crockett Avenue Irrigation Company (CAIC), Logan City, North Logan City, and Hyde Park City, in concert with the Natural Resources Conservation Service (NRCS), have determined the First Dam Alternative would best meet their objectives. One of the objectives of this alternative is to build a new pressurized irrigation (secondary water) system that would service all current shareholders and landowners in the CAIC service area to achieve the benefits described in this document. Further information on the First Dam Alternative can be found in the Logan River Watershed Plan-EIS Project Overview Fact Sheet.

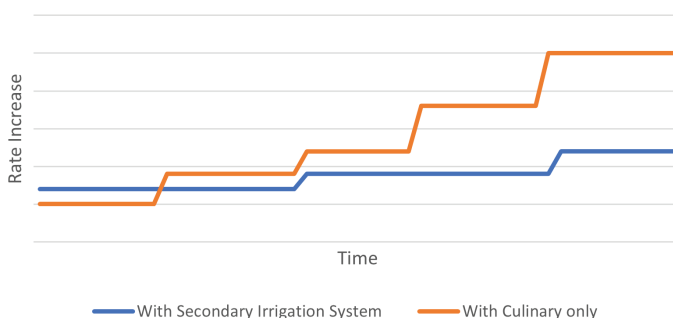
Reduces Future Culinary Water Infrastructure Needs

Drinking water is a limited resource to North Logan City. Additional water sources will need to be developed to provide for future growth, which may include wells or water treatment plants. Additional culinary water infrastructure will also be needed to serve the growing population of the City, which will include storage tanks and pipelines. New sources and infrastructure are expensive and increase the cost of culinary water to residents.

Helps Manage Future Culinary Water Demands and Costs

The value of water will rise as the valley grows and demand increases, which also will increase the cost of drinking water. Without a pressurized irrigation system, the combined cost of drinking water will surpass the cost of a drinking water and a pressurized irrigation (secondary) system. The graphic below shows projected culinary and secondary rates over time.

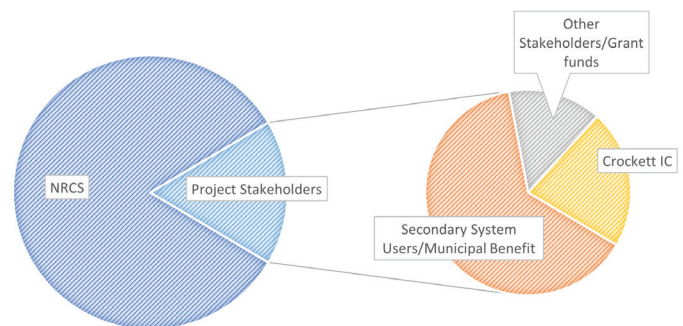
Concept Residential Total Water Rate Comparison



Federal Funding

The NRCS WFPO Program can pay for 100% of the design and engineering work and up to 75% of the construction costs of a pressurized irrigation system. The remaining costs would be shared between project co-sponsors, including CAIC, Logan City, North Logan City, and Hyde Park City on a benefit-proportional basis which will be negotiated in the coming months. Connection from the installed meter to the individual irrigation system will be the responsibility of the landowner. There will be no impact fees.

CONCEPT STAKEHOLDER COST SHARE



Cost Sharing Promotes Conservation and Sustainability

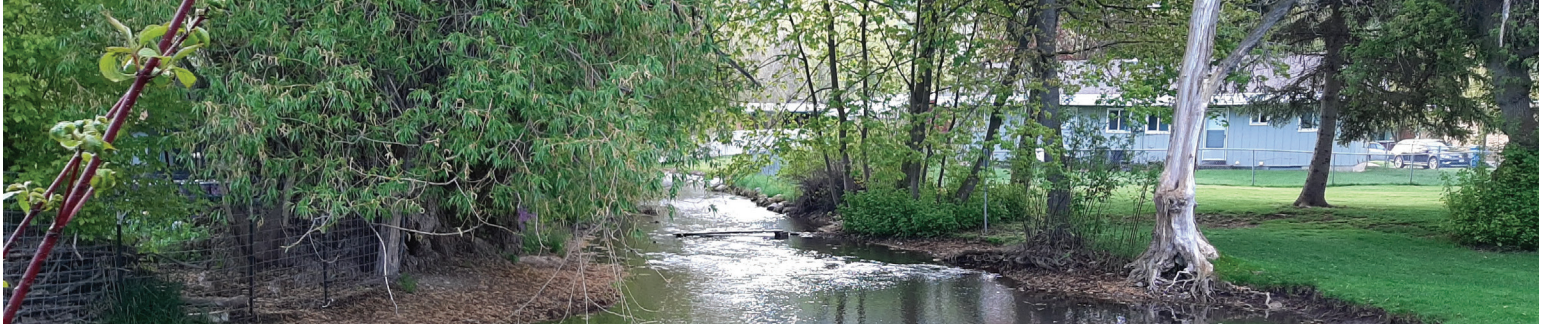
More landowners within the service area that connect to the secondary irrigation system would result in lower user rates and additional contributions required by the community. The City may consider using adjustments to tiered culinary water rates or requirements for secondary connections where available to promote conservation, provide more sustainable water rates for future generations, and reduce the secondary system rate to users.

Estimated Secondary User Rates with NRCS Funding

Connection Rate	50%	75%	100%
Estimated Secondary Rate* (monthly for 12 months)	\$60-70	\$40-45	\$30-35

*These estimates do not include any municipal contribution. Municipalities receive substantial benefit and secondary User rates could be reduced through up-front or ongoing municipal contributions.





Flood Protection

Runoff flows into the canals are increasing as development occurs. The project will provide 100% of funding to construct overflows from canals to help manage floodwater in the City.

Reduces Canal Maintenance Needs

Canal improvements to handle runoff flows will reduce the need for debris removal from property owners (debris blocks runoff flows and reduces floodwater capacity). NRCS funding will cover 100% of the canal improvements to reduce flooding.

