

Town of Alpine – Capital Project Request Form

This form is to be completed for any proposed Capital Project (value \geq \$5,000). Submit completed forms to Town Staff for review and inclusion in the annual Capital Improvement Plan.

Project Information

Project Title:

Town of Alpine Well #4 Improvement Project

Department (Streets / Parks / Water/Sewer/Facilities / Admin / Other):

Water

Project ID (if applicable):**Location of Project:**

Mega Well

Date of Request:

02/11/2026

Prepared By (Name & Title):

Monica Chenault, Clerk/Treasurer - with information provided by Ryan Erikson from Sunrise Engineering

Project Type

Is this a: Capital Repair (repair/replacement of existing asset)

New Capital Project (new asset or major addition)

If repair, describe the existing asset and nature of failure or deterioration:

If new project, describe the proposed addition or expansion:

Project will install larger pump in Well #4 to increase production from 450 gpm to 1,200 gpm. Bottlenecks in pipe network will be upsized and pipes will be added to improve flow from well to tank. Backup power source will be added to Well #4.

Project Description

Provide a clear description of the proposed project, including purpose, scope, and any related assets or facilities.

This project will replace the existing pump in Well #4 with a larger pump that would increase production from 450 gpm to 1,200 gpm. This increase in production will create bottlenecks in the 8-inch pipes between the well and key points in the system, so these locations will be upsized. Constructing pipes that add loops to the system will create alternate flow paths and will be sufficient to relieve expected bottlenecks in some locations. Project will also add a backup power source to Well #4 so that water supply is not interrupted during power outages. Based on a flow rate of 1,200 gpm, it is assumed that a pump of 100 hp will be required, which would require a roughly 100 kW backup generator (subject to change during final design).

Justification

Explain why this project is needed. Describe safety concerns, regulatory requirements, service impacts, or long-term benefits.

This project will increase the reliability of the only active well located north of the Snake River. In the event of an issue with the pipeline crossing the Snake River Bridge, this well could provide for the approximately 150 service connections located north of the Snake River for an extended period of time. These connections include the hospital, hotels, grocery stores, and other commercial and residential users. This project will better connect the well to the existing storage tank as well as to the areas south of the Snake River if needed. The backup generator will allow for water production during extended power outages.

Estimated Costs

Estimated Total Cost:

\$2,154,000 – Requesting \$1,077,000 through MRG Grant

Breakdown of Costs (Materials, Labor, Equipment, Etc.):

- Legal - \$20,000
- Land Acquisition - \$11,000
- Engineering Costs by Service:
 - Basic - \$162,000
 - Resident Project Representative Services - \$162,000
- Construction: \$1,620,000
- Contingency: \$179,000

Funding Source (General Fund, Enterprise Fund, Grant, Etc.):

Grant - 50/50

Additional Labor Requirements

If purchased or constructed, will this project require additional staffing or labor?

Yes No

If yes, describe the type of labor, estimated hours, certifications needed, and any ongoing operational impacts:

Project Priority

Priority Level (High / Medium / Low):

Medium

Reason for Priority Level:

This project is a critical reliability upgrade to Alpine's water system. Currently, water service north of the Snake River depends on a single pipeline crossing the Snake River Bridge. If that line fails, a significant portion of the community could lose service.

The project establishes a redundant water source north of the river, strengthens system connections, and adds backup power to ensure continued operation during outages. These improvements protect public health, fire suppression capability, and overall system resilience.

Timeline

Proposed Start Date:

07/01/2027

Proposed Completion Date:

10/31/2028

Is this project time-sensitive?

Yes No

If yes, explain:

Supporting Documentation

List attached documentation (photos, quotes, engineering reports, maps, etc.):

Water Master Plan – not attached.