

**Agency: Commerce, Community and Economic Development**

**Grants to Municipalities (AS 37.05.315)**

**Grant Recipient: Seldovia**

**Federal Tax ID: 92-6000085**

**Project Title:**

**Project Type:** Remodel, Reconstruction and Upgrades

# Seldovia - Raw Water Transmission Line Replacement Project

**State Funding Requested: \$554,000**

**House District: Kenai Areawide (6-8)**

Future Funding May Be Requested

**Brief Project Description:**

This project will replace the lower portion of the raw water transmission line, composed of thin-walled steel, with ductile iron. This capital improvement will safeguard and protect Seldovia's drinking water supply infrastructure by correcting a problem that poses a clear danger to human health and safety.

**Funding Plan:**

Total Project Cost:	\$1,620,000
Funding Already Secured:	(\$1,066,000)
FY2025 State Funding Request:	(\$554,000)
Project Deficit:	\$0
<i>Funding Details:</i>	
<i>FY2023 CDS appropriations- \$516,780</i>	
<i>FY2024 Request for Technical Correct to combine funding- \$1,066,000</i>	

**Detailed Project Description and Justification:**

Seldovia's water source is a dammed stream. A 2,850-foot, 10-inch transmission line connects the Seldovia Upper Dam to the Seldovia Water Treatment Plant (WTP), which is located adjacent to the 550,000-gallon water supply tank.

The upper 1,800 feet of the transmission line was replaced with ductile iron pipe in 1983. The lower 1,050 feet of the transmission line is thin-walled steel (TWS) pipe from 1963. The TWS pipe is over 50 years old, and TWS pipe of a similar age elsewhere in Seldovia's water distribution system has failed catastrophically, most recently in 2017 (ie. TWS pipe between the WTP and the distribution system). This failure led to a leak of 100,000 gallons per day.

The lower 1,050 feet of transmission line comprised of TWS pipe needs to be replaced with ductile iron pipe to safeguard Seldovia's water supply. Any capital improvement projects that ensure the City of Seldovia retains as much water as possible and prevent leakage is especially critical given the 2019 drought Seldovia faced, which was declared an emergency disaster by the Kenai Peninsula Borough and City of Seldovia.

This project was the City of Seldovia's #1 overall priority for the Alaska Legislature's consideration for State funding. Cost estimates to perform the work showed the project cost increased by 186% from \$516,780 to \$1,480,000 in 2023 construction dollars. A cost estimate in 2024 construction dollars recently prepared by CRW Engineering estimates the project at \$1,620,000.

*For use by Co-chair Staff Only:*

\$250,000  
Approved

**Project Timeline:**

Once funding is received, City will issue RFP to secure an engineering firm to design replacement. Then an RFP for construction. Project timeline is 2-5 years from funding to completion.

**Entity Responsible for the Ongoing Operation and Maintenance of this Project:**

City of Seldovia

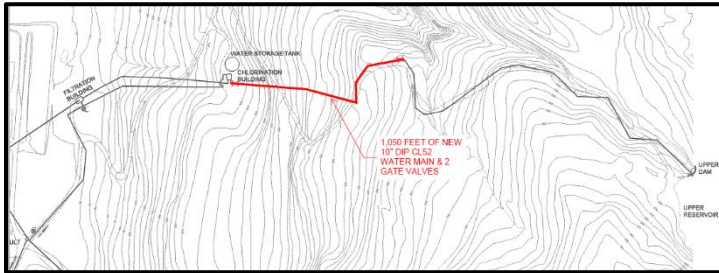
**Grant Recipient Contact Information:**

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Seldovia, Alaska 99663  
Phone Number: (907)234-7643  
Email: citymanager@cityofseldovia.com

Has this project been through a public review process at the local level and is it a community priority?  Yes  No

## Raw Water Transmission Line Replacement

**Project Summary & Benefit:** This project will replace the lower portion of the raw water transmission line, composed of thin-walled steel, with ductile iron. This capital improvement will safeguard and protect Seldovia's drinking water supply infrastructure by correcting a problem that poses a clear danger to human health and safety.



**Project Description:** Seldovia's water source is a dammed stream. A 2,850-foot, 10-inch transmission line connects the Seldovia Upper Dam to the Seldovia Water Treatment Plant (WTP), which is located adjacent to the 550,000-gallon water supply tank.

The upper 1,800 feet of the transmission line was replaced with ductile iron pipe in 1983. The lower 1,050 feet of the transmission line is thin-walled steel (TWS) pipe from 1963.

The TWS pipe is over 50 years old, and TWS pipe of a similar age elsewhere in Seldovia's water distribution system has failed catastrophically, most recently in 2017 (ie. TWS pipe between the WTP and the distribution system). This failure led to a leak of 100,000 gallons per day.

The lower 1,050 feet of transmission line comprised of TWS pipe needs to be replaced with ductile iron pipe to safeguard Seldovia's water supply. Any capital improvement projects that ensure the City of Seldovia retains as much water as possible and prevent leakage is especially critical given the 2019 drought Seldovia faced, which was declared an emergency disaster by the Kenai Peninsula Borough and City of Seldovia.

This project was the City of Seldovia's #1 overall priority for the Alaska Legislature's consideration for State funding. Senator Murkowski secured FY2023 CDS appropriations for this project. Cost estimates to perform the work show the project cost has increased by 186% from \$516,780 to \$1,480,000 in 2023 construction dollars. The original cost of construction estimate was generated using information in the SOA STARS database with inflation applied. In 2023 an updated cost estimate of \$1,620,000 was prepared by CRW Engineering and the City of Seldovia requested a technical correction through the EPA to combine CDS project funding appropriated for the Raw Water Transmission Line Replacement Project and the Bloch Street Sewer Main Replacement Project to one single project, the Raw Water Transmission Line Replacement. Additional funding is still needed and will be sought through the FY2024 CDBG, Denali Commission, and State Revolving Fund program.

### **Total Project Cost: \$1,620,000**

CY23 Federal Requested Share: \$1,066,000

FY25 Requested State Share: \$544,000

City Share: Unfunded

### **Schedule:**

- Project listed in VSW STARS Database
- 2023 funds appropriated through CDS request
- October 2023, City requests CDS technical correction to combine funding
- Dec. 2023 - City requests state share from Alaska Legislature (CAPSIS)
- 2024: funding received from CDS requests, additional funding continues to be sought.
- Once funding is received, City will issue RFP to secure an engineering firm to design replacement. Then an RFP for construction.

**Notes:** \*Engineering plans must be developed and then submitted to the ADEC Drinking Water Program. ADEC Plan Review will be required (\$500 fee) given the length of the replacement line is longer than 1,000 feet. \*Federal funding requires 20% match.