



Alaska Department of Environmental Conservation

State Revolving Fund Program



Project #515031-SE, Swan Lake and Lagoon Loop Water Main Replacement

Alaska State Revolving Fund Program issues a fully forgiven \$2.5 million loan for planning and design of critical drinking water infrastructure

Kotzebue, the hub and largest community in the Northwest Arctic Borough, provides essential functions for both residents of Kotzebue and the surrounding villages. The Swan Lake Water Service Loop was initially constructed in 1990 using a 6-inch insulated high-density polyethylene (HDPE) pipe. In February 2024, a mile and a half of Kotzebue's Swan Lake water main loop froze and ruptured, impacting 190 homes and leaving more than 60 without running water and/or sewer.

Kotzebue's aging water system infrastructure, combined with difficult Arctic conditions, necessitates the upgrading and replacement of various water system components. The SRF Program issued a fully forgiven loan of \$2,500,000 to allow Kotzebue to prepare a Preliminary Engineering Report (PER) and complete engineering design to replace or rehabilitate both the Swan Lake Loop and Lagoon Loop. The PER will investigate and provide recommendations to improve the hydraulic efficiency of the water loops and reduce the prevalence of emergency repairs.



ADEC is authorized by state law to issue loans to borrowers for eligible water system infrastructure projects. Administration of the loan is through the ADEC State Revolving Fund Program under the authority of the Alaska Drinking Water Fund.

For more information, contact the SRF Program at dec.srfprogram@alaska.gov.