

AWWU Projects: SRF Forgivable Loans Waste to Energy Strategic Plan and Employee Development

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April 17, 2025



Overview

- State Revolving Funds (SRF) Emerging Contaminants Program
 - Girdwood Water Supply
 - Tanaina Hills Subdivision
 - Potential Future Projects
 - Intend to request Assembly authorization to add additional SRF funded projects to 2025 Capital Improvement Budget (CIB)
- Waste to Energy and AWWU
- Strategic Plan and Employee Development – Contract Amendment



Forgivable Loan

- Alaska Department of Environmental Conservation (ADEC)
- Projects addressing Emerging Contaminants (EC) are eligible for 100% loan forgiveness
- Projects addressing water quality Compliance Orders (CO) are eligible for 100% loan forgiveness
- Limited Funds on a competitive first-come-first-serve basis

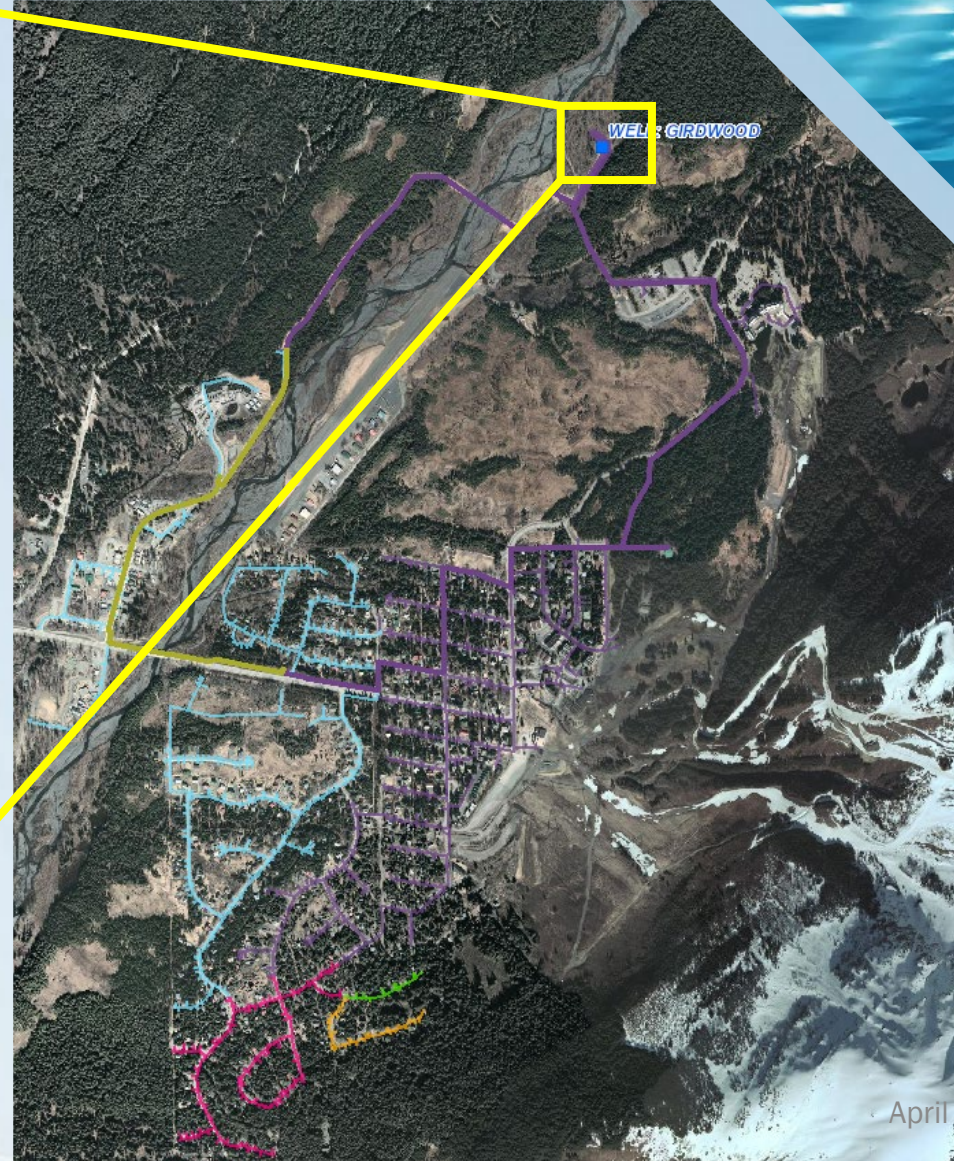
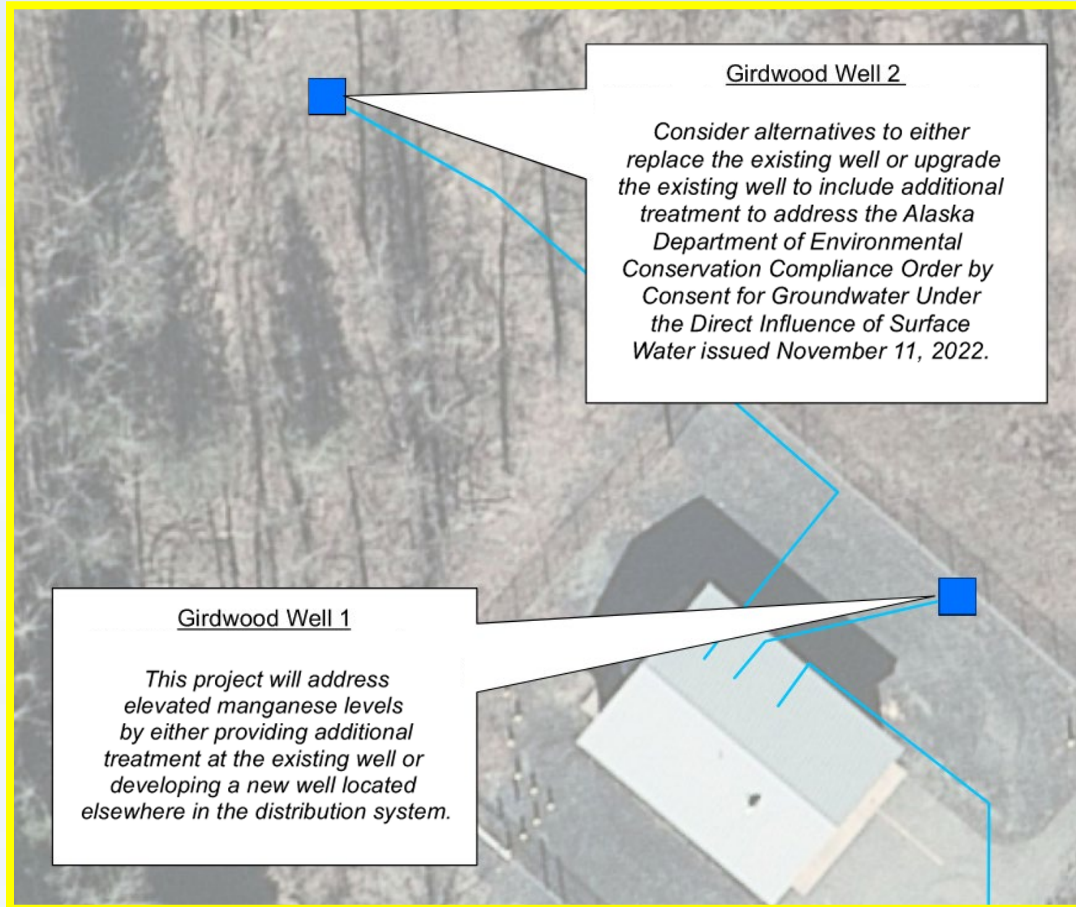


Girdwood Water Supply Today

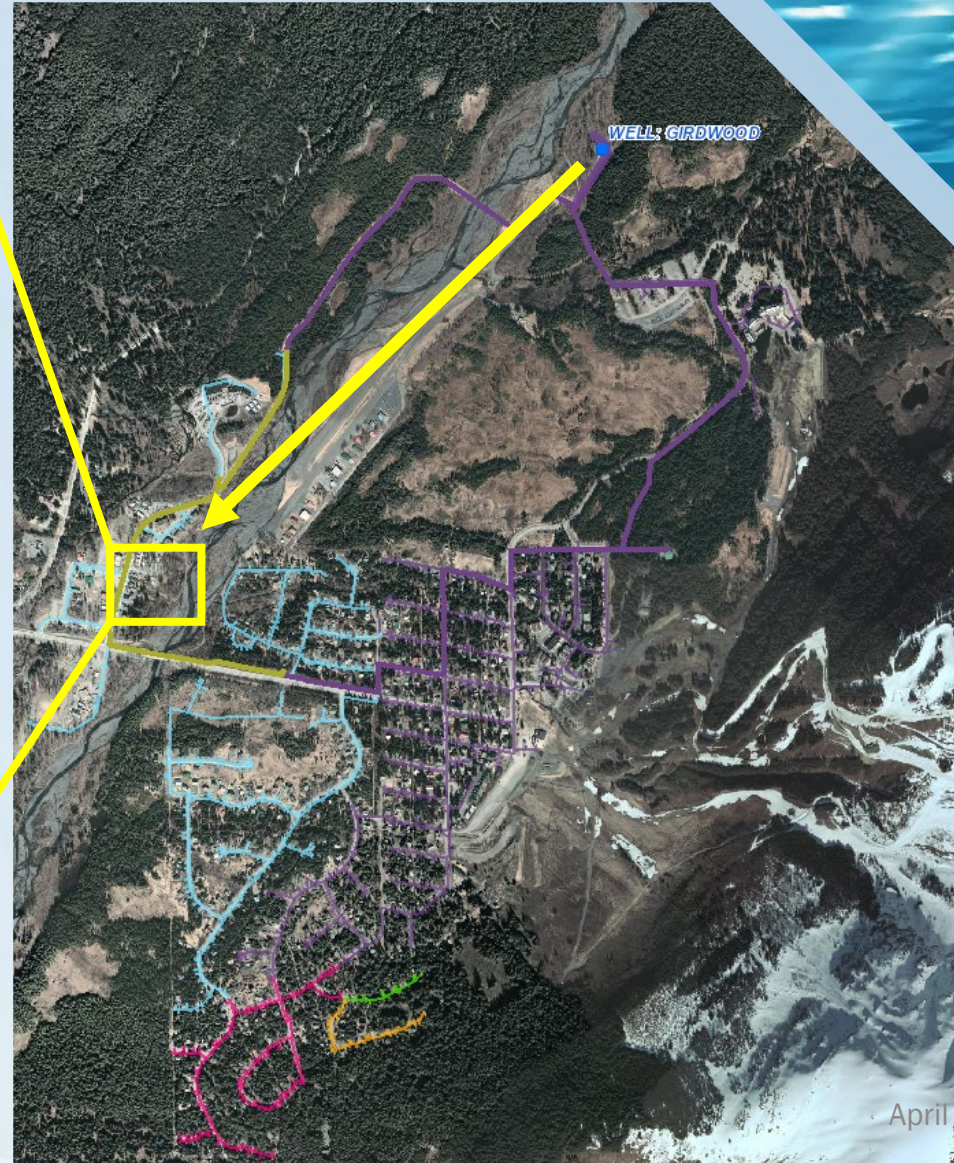
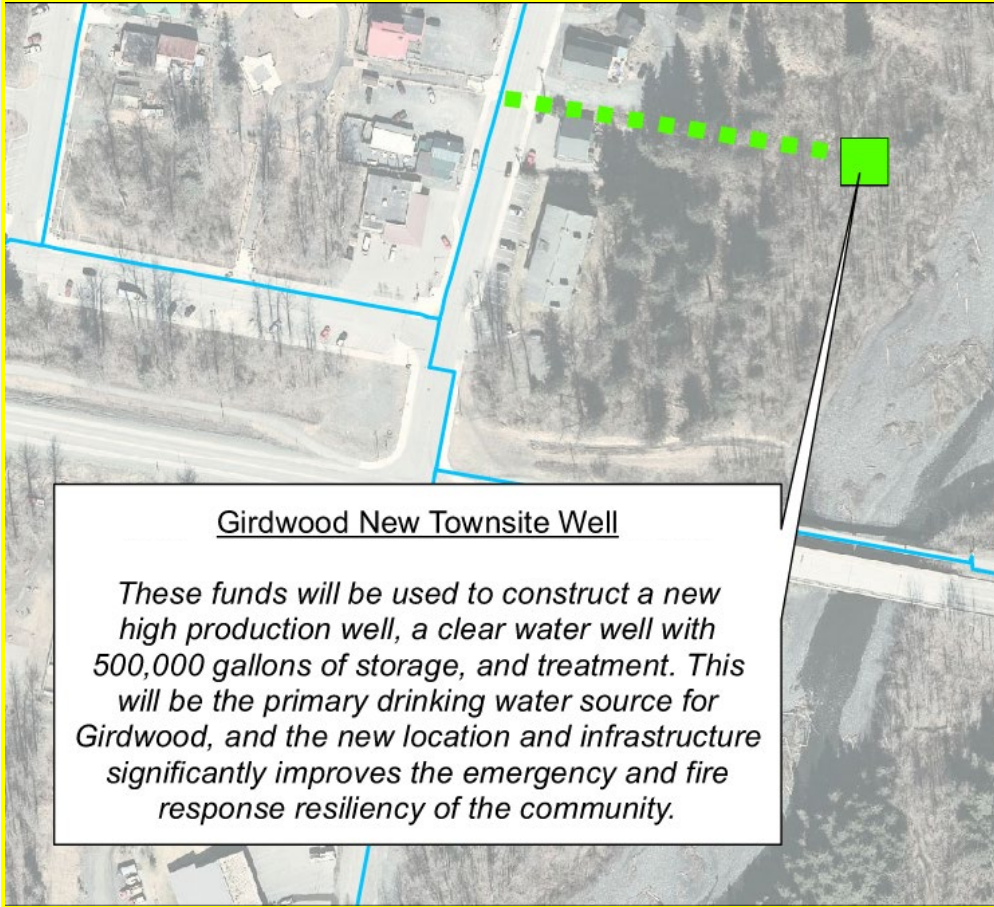
- Girdwood is supplied from Wells “1 & 2”
- Water quality and quantity to satisfy regulation and development are project drivers
- Potential benefits include reduced O&M expenses and increased emergency resilience



Girdwood Wells 1 and 2



New Townsite Well



Funding Sources

- Well 1: \$5 Million (SRF EC Forgivable Loan)
- Well 2: \$1.5 Million (SRF CO Forgivable Loan)
- New Townsite: \$3 Million (Pending CDS Approval)
- Total “Grant” Funding: \$9.5 Million
- Project Cost Estimate (ROM): \$15 to 20 Million



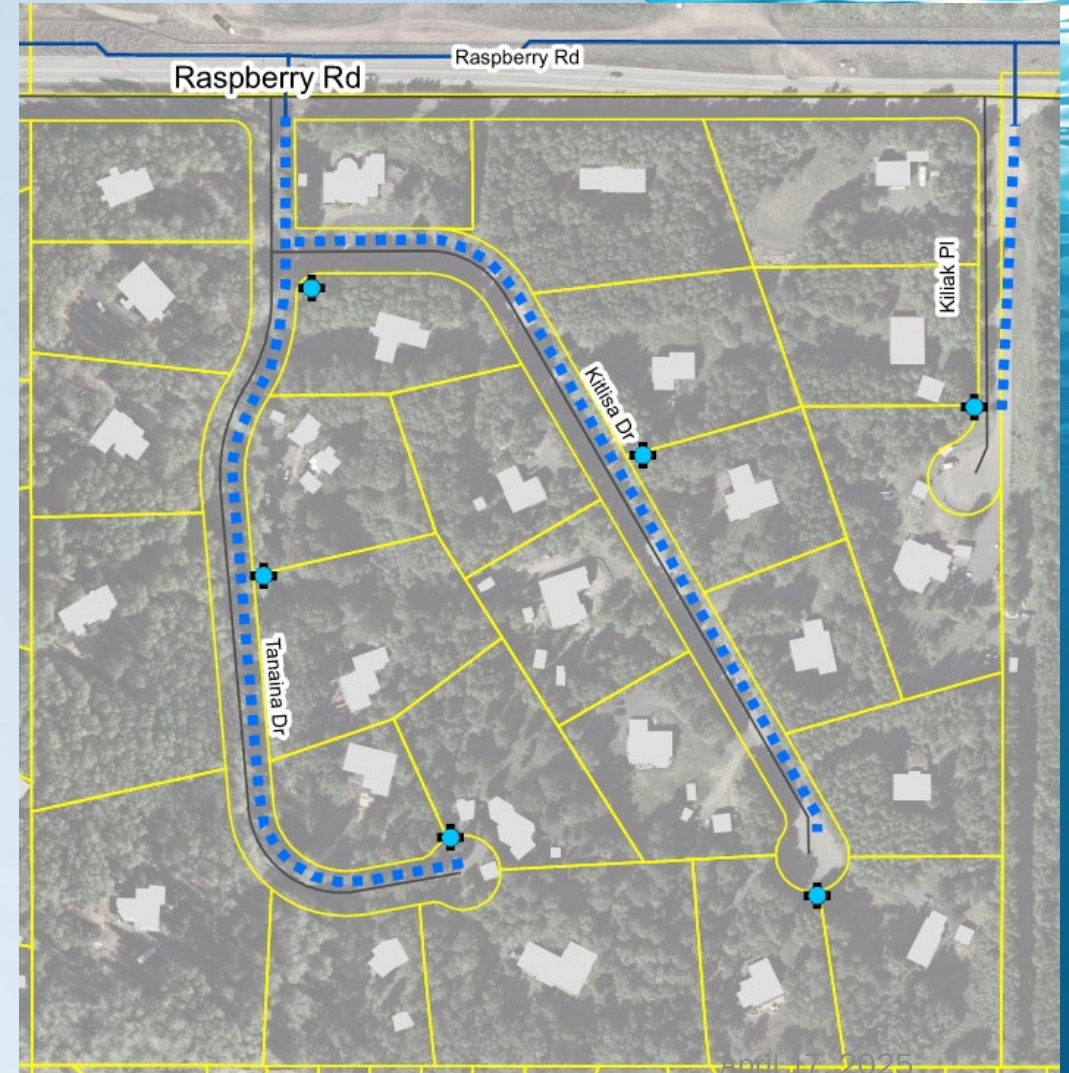
Tanaina Hills Subdivision

- Private area wells tested positive for PFAS contamination.
- Residents contacted AWWU who in turn applied for funds from ADEC Emerging Contaminants Program to install public water infrastructure into Tanaina Hills Subdivision.
- ADEC Program includes funding of on-property connections.



Tanaina Hills Subdivision

- ADEC “base” loan \$3.3 Million
 - Water mains and hydrants
- ADEC on-property loan \$1 Million
 - AWWU does not construct on-property. Funds are facilitated for separate contracting.
- Costs not eligible for loan forgiveness are the responsibility of Property Owners as a Levy Upon Connection.



Potential Future Projects



Next Steps

- April 17th Infrastructure, Enterprise, and Utility Oversight Committee Presentation
- April 21st Girdwood Board of Supervisors Presentation (TBD)
- May 6th Introduction of CIB supplemental
 - Assembly Ordinance
- May 20th Public Hearing CIB Supplemental



AWWU and Waste To Energy (WTE)

- AWWU is supporting Waste to Energy. WHY?

Biosolids

- AWWU “Produces” ~ 20 dry tons/day of high energy biosolids
- Asplund WPCF Incinerator is on life extension
- Natural Gas/Electricity - approximately \$3 million annually
- ASU is the biggest consumer of water in the MOA
- Replacement cost would be \$50-100+ million
- No energy recovery
- Long trucking routes, increased carbon footprint
- Investment in WTE will save AWWU ratepayers long-term
- Title V Air Emissions Permit under Clean Air Act



Waste to Energy

- Solid Waste Services leading, collaborative effort
- AWWU is supporting with \$3 million to add to SWS's \$5 million to advance the project and address priority parameters
- Jacobs Program Management Office, using local Alaska resources, will assist the MOA with:
 - Technical Oversight
 - Waste Characterization
 - Site Selection
 - Permitting parameters
 - Finance/ ownership/operations structures
 - Public Involvement
 - Request for Proposals for WTE
- MOA oversight of all aspects including procurement and contractor selection.



Strategic Plan and Employee Development

- Strategic Planning RFP 2023P040 – Competitive Procurement
- Original Contract to facilitate Strategic Planning Process
 - Original scope included draft Strategic Plan
- Additional work to finalize/publish Strategic Plan
- Additional work to dashboard/track key performance indicators
- Leadership Development
 - Utilize Strategic Plan Facilitator Beate Wright, P.E.
 - 360 degree evaluations, teambuilding
- Staff Development
 - Team/trust building, interpersonal communication
- Upcoming contract amendment for ~ \$282,000



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