

City & Borough of Juneau – CPRG Implementation Grant Application
Budget Narrative: Electrifying Juneau's Mendenhall Wastewater Treatment Plant

7. Budget

CBJ is requesting \$5,863,378 in CPRG funding for measure 1: Electric Boiler Installation at the Mendenhall Wastewater Treatment Plant, and \$40,000 in funding for measure 2: Energy Audit of the Mendenhall Wastewater Treatment Plant. Total requested funding is \$5,903,378.

BUDGET BY YEAR							
COST-TYPE	CATEGORY	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	TOTAL
Direct Costs	TOTAL PERSONNEL	\$62,300	\$62,300	\$21,700	\$0	\$0	\$146,300
	TOTAL FRINGE BENEFITS	\$18,690	\$18,690	\$6,510	\$0	\$0	\$43,890
	TOTAL TRAVEL	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL EQUIPMENT	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL SUPPLIES	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL CONTRACTUAL	\$1,019,000	\$4,694,188	\$0	\$0	\$0	\$5,713,188
	TOTAL OTHER	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL DIRECT	\$1,099,990	\$4,775,178	\$28,210	\$0	\$0	\$5,903,378
	TOTAL INDIRECT	\$0	\$0	\$0	\$0	\$0	0
TOTAL FUNDING		\$1,099,990	\$4,775,178	\$28,210	\$0	\$0	\$5,903,378

BUDGET BY PROJECT			
Project Number	Project Name	Total Cost	% of Total
1	Electric Boiler Installation at MWWTP	\$5,863,378	99%
2	Energy Audit at MWWTP	\$40,000	1%
Total		\$5,903,378	100%

a. Budget Detail:

See Budget Spreadsheet Attachment titled: "Budgetcalcs_CityandBoroughofJuneau.xlsx"

Notes on Budget Categories:

- Personnel:**

The attached budget spreadsheet notes CBJ staff, salaries and estimated FTE that are anticipated to work on the project. There are \$0 budgets associated with several positions as we are not requesting CPRG funding for their spent time on the project.

- Fringe Benefits:**

The attached budget spreadsheet notes Fringe Benefits for the staff that are anticipated to work on the project and for whom we anticipate requesting CPRG funding for time spent on the project. These numbers were calculated at a rate of

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FTE x 30% of salary. There are \$0 budgets associated with several positions as we are not requesting CPRG funding for their spent time on the project.

- **Travel:**

CBJ does not anticipate incurring or requesting funding for any travel costs for this project.

- **Equipment:**

CBJ does not anticipate directly purchasing any equipment over \$5000 as part of the project. All equipment purchases over \$5000 will be made through selected contractors (see below).

- **Supplies:**

CBJ does not anticipate purchasing or requesting CRPG funding reimbursement for any supplies for specific use on this project.

- **Contractual:**

CBJ anticipates conducting four contract activities as part of this application, three of which are associated with measure 1 and one is associated with measure 2:

- 1.) MWWTP Electric Boiler Design Consultant (Measure 1)

- a. Estimated Cost: \$372,000
- b. Proposed Duration: Seven (7) months
- c. Proposed Procurement Method: Competitive
- d. Description: *CBJ will conduct a competitive procurement process aligned with EPA Best Practice Guide to engage a design consultant to provide electrical and mechanical engineering and design for the MWWTP electric boiler upgrade. Designs will be used to draft bid documents for the Construction aspect of the project. Design will utilize BABA compliant equipment and materials, as is required for CPRG funding.*

- 2.) MWWTP Electric Utility Service Design & Construction (Measure 1)

- a. Estimated Cost: \$656,670
- b. Proposed Duration: 7-10 months for both design and construction
- c. Proposed Procurement Method: Modification Request or Waiver
- d. Reasoning: Per City and Borough of Juneau (CBJ) Procurement Code 53.50.090, Alaska Electric Light and Power is the owner and only provider of electrical distribution equipment throughout the Juneau Borough and has been granted sole source status to build, install and connect electrical service to all CBJ owned facilities as there is no other provider available to provide this service on their equipment.
- e. Description: CBJ will contract with AELP to design and install the required utility service upgrades for the new electric boiler.

- 3.) MWWTP Electric Boiler Upgrade – Demolition, Construction, Install (Measure 1)

- a. Estimated Cost: \$4,643,618

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- b. Proposed Duration: 12 months for construction
- c. Proposed Procurement Method: Competitive
- d. Description: *CBJ will utilize the final design and engineering from the selected design consultant to draft and advertise construction bid documents and solicit bids through a competitive process. Bidding is scheduled to provide as much time as possible for the selected contractor to purchase long lead time materials and equipment item, so the project is ready to construct during the following summer. The selected contractor will perform all required demolition of the current fuel oil boiler, procure needed equipment, and install the boiler and associated infrastructure upgrades from the new boiler to the meter.*

4.) MWWTP Energy Audit (Measure 2)

- a. Estimated Cost: \$40,000
- b. Proposed Duration: 3-5 months to published report
- c. Proposed Procurement Method: Competitive
- d. Description: *CBJ will conduct a competitive procurement process aligned with EPA Best Practices Guide to engage a qualified consultant to conduct a comprehensive energy audit of the MWWTP.*

5.) Other + Indirect Costs

- a. CBJ does not anticipate incurring or requesting funding for any Indirect or other costs for this project.

a. Expenditure of Awarded Funds

- i. CBJ has experienced and well-staffed finance and contracts department which issues approximately forty qualifications-based selection (QBS) of professional service solicitations via the Public Works and Engineering Department annually. The value and complexity of these procurements range from simple planning and analysis reports to complex design solicitations for vertical and horizontal construction.

Federal grant funding often adds to the complexity of the procurement process and CBJ is well versed in this area with roughly four to six annual procurements requiring the applicable Federal CFR provisions and contract requirements.

CBJ project managers will work closely with the EPA and the CBJ finance and contracts teams to ensure funds are expended in a timely and efficient manner within the grant period and aligned with 2 CFR 1500.10.

b. Reasonableness of Cost

Project costs are outlined in the attached budget spreadsheet. These costs proposed are reasonable as they will be awarded competitively under the municipality's purchasing procedures and all procured costs will comply with 2 CFR 1500.10.