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# City & Borough of Juneau Legislative Priorities Project Nomination Form

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## Project eligibility

- A. Does the proposed project represent a major, nonrecurring expense with a total project cost over \$1M  
☒ YES    NO
- B. Will the proposed project result in a fixed asset (e.g., land, major equipment, building or other structure, road or trail) with an anticipated life of at least two years?    ☒ YES    NO
- C. Will the project provide broad community benefit?    ☒ YES    NO
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*If you were able to answer YES to all three questions, please provide additional information:*

1. Project title (Suggested heading):

MWWTP Primary Treatment Upgrade - Microscreens

2. Project description and benefit. Describe the project (in half a page or less), including specific features, stages of construction, etc. Explain how the project will benefit the community. Are there any green or sustainability elements to the project? What sector/s of the community will this project benefit?

At the Mendenhall WWTP, per capita organic loadings are very high— over twice what is expected for normal domestic wastewater. Wastewater solids are difficult to process and, at times, interfere with treatment. In 2021, CBJ Utilities identified that the diversion of smaller suspended solids at the plant head works accomplished through microscreening would improve plant performance.

In 2022, Mendenhall influent was sampled and sent to model the removal of solids and it's impact to influent solids profile. Results showed that a 350 µm filter mesh for this application would produce TSS removal of least 40% with the full-scale equipment. We also expect it to remove around 20% of the BOD. This will be tested as well.

3. Plans and progress. Describe (in one or two paragraphs) what has been accomplished so far (if anything). This may include feasibility study, conceptual design, final design/engineering/permitting, fundraising activity, and total funds raised to date.

This project is currently at the conceptual stage along with an engineering estimate.

4. Project support. Is the project supported in CBJ or other Area plans (List where the project is mentioned in planning documents. This could include CBJ plans such as the Comprehensive Plan, or regional planning documents like the Comprehensive Economic Development Strategy).

This project would help the Mendenhall plant meet its regulatory obligations as the source control project progresses.

*For more information, call Katie Koester at 907.586.0800 or [Katie.Koester@juneau.org](mailto:Katie.Koester@juneau.org)*

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5. Goal of project. In one sentence or less, state the goal of the project. For example “economic development” or “improve non-motorized transportation routes.”

The goal of the project is to design, site and construct the unit operation at the Mendenhall site.

6. O&M. Who is responsible for operations and maintenance upon completion of the project?

CBJ Utilities would be responsible.

4. Project cost:

A. TOTAL COST (including funds already secured) = \$ 9.5 million

B. AMOUNT SECURED (include funding source) = \$ 0

B. For construction projects, break out preconstruction costs (feasibility/design/permitting):

Preconstruction costs = \$ 0.5 million      Construction costs = \$ 9 million

5. Timeline: Indicate when you hope to complete each phase of the project. Keep in mind that the Legislative Priorities will not be published until February. Legislative funding from the state would not be available until the start of the following fiscal year (July).

A. For projects that consist of land or equipment purchase only, state when the purchase would be made:

For construction projects:

B. Preconstruction phase to be completed by TBD.

C. Construction phase to be completed by TBD.

6. Physical Location. Please provide the address or physical description of where the project is located.

MendenhallWWTP.

7. Please provide a photo, drawing, map, or other graphic image if possible.

8. Contact Information

*For more information, call Katie Koester at 907.586.0800 or [Katie.Koester@juneau.org](mailto:Katie.Koester@juneau.org)*

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