



Staff Report

September 16, 2022 Council Workshop Meeting

WWTP Blower and HVAC Design Improvement

Presenter: Rob Charles, Utilities Manager

Time Estimate: 5 minutes

Phone	Email
360.817.7003	rcharles@cityofcamas.us

BACKGROUND: The existing blowers and HVAC systems in the process building at the City's Wastewater Treatment Plant (WWTP) are recommended to be upgraded as part of previous technical studies and the draft General Sewer Plan. The upgrades provide more reliability of equipment in this building.

SUMMARY: The scope of services from HDR, Inc. includes design services for electrical and instrumentation upgrades for the blowers and design of an HVAC system in the electrical room as there is currently no cooling ventilation in this room. HVAC upgrades to the blower room will be designed and the remaining building HVAC improvements will be documented in a technical memo.



Figure 1: Blower Room



Figure 2 Electrical Room

EQUITY CONSIDERATIONS:

What are the desired results and outcomes for this agenda item? *More efficient blower operations, upgraded electrical components to provide better reliability and parts replacement, and better conditioning of the space for critical electrical and mechanical equipment.*

What's the data? What does the data tell us? *Both the blower systems and HCAV systems are not operating at their peak efficiencies.*

How have communities been engaged? Are there opportunities to expand engagement? *N/A*

Who will benefit from, or be burdened by this agenda item? *WWTP staff spending less time maintaining controls and equipment.*

What are the strategies to mitigate any unintended consequences? *None identified.*

Does this agenda item have a differential impact on underserved populations, people living with disabilities, and/or communities of color? Please provide available data to illustrate this impact. *No.*

Will this agenda item improve ADA accessibilities for people with disabilities? *No.*

What potential hurdles exist in implementing this proposal (include both operational and political)? *None known.*

How will you ensure accountabilities, communicate, and evaluate results? *Milestone check ins with the consultant during design to ensure that the project goals are being met.*

How does this item support a comprehensive plan goal, policy or other adopted resolution?
Supports the General Sewer Plan and meets the requirements of the city's NPDES wastewater discharge permit.

BUDGET IMPACT: This item will be funded out of the WWTP's Repair and Replacement fund which has sufficient funds to cover these costs.

RECOMMENDATION: This item is for Council's information only. Staff recommends this item be placed on the September 19, 2022 Council Regular Meeting Agenda for Council's consideration.