

Bayshore Dehumidifier Rep

23H.8

Priority Score: **50.80**

Project Type: Replacement

Growth Related?: No

Estimated Useful Life (years): 25

Priority Level: High

Department: Community Services

Staff Contact: Ryan Gowan

Cash Flow Projection:

	2022	2023	2024+
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials Equipment/Misc		\$ 300,000	
Contingency			
Total			
	\$ 0	\$ 300,000	\$ 0

Costs Incurred to 2021 Year End

Impact on Operating Budget	\$ 0	\$ 0
----------------------------	------	------

Total Project Budget: \$ 300,000

Schedule:

Construction Start Date: 06/01/2023

Substantial Completion or
purchase date: 08/01/2023

Funding Sources:

Taxy Levy	\$ 300,000
Please Select	\$ 0
Please Select	\$ 0
Please Select	\$ 0
Please Select	\$ 0
Capital Reserve	\$ 0

Description and Rationale:

This project would see the replacement of the existing two mechanical style dehumidifiers replaced with a new gas fired desiccant wheel dehumidification unit. The current units are original to the building and are sized for the original footprint of the facility from 1983. These units are unable to remove the necessary amounts of moisture from the air based on the increased area since renovations have taken place. The increased amounts of moisture and heat in the air will effect the users, spectators, and increase the refrigeration plant run times as this heat and moisture is drawn to the ice surface increasing the load on the refrigeration system. A newer unit would increase the indoor air quality, decrease the load on the refrigeration plant and decrease the fog on the glass as seen during warmer seasons.

Insert Project Image



Bayshore Dehumidifier Rep

23H.8

Priority Score: 50.80

Justification for Matrix Values

Score 0 - 5

Justification / Rationale for Rating

People	How many people will be directly impacted by the project?	5	This project would improve the air quality for thousands of users.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	1	There is a minor risk to users with asthma or breathing issues that would be mitigated with equipment replacement.
Legislation	Is the project required for legislative/regulatory compliance?	1	There is no legislation pending at this time.
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	This piece of equipment is identified in the asset management plan as a core asset.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	This project would help reduce energy usage, as it would reduce the load on the refrigeration plant and reduce run hours on compressors. The current units have little impact on the air quality and are less efficient.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	This project would be funded through the Bayshore Facility reserves.
Environment	Does the project address needs impacted by climate change?	4	This project would reduce energy usage.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	This maintains an existing space.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	This project would support core service delivery.
Public Input	Has the project been identified through public engagement?	1	Air quality and humidity has been identified by users and staff.