



THE CORPORATION OF THE CITY OF VERNON

M E M O R A N D U M

TO: Will Pearce, Chief Administrative Officer **FILE:** 8215-15
PC: Doug Ross, Director, Recreation Services **DATE:** September 16, 2022
FROM: Stan Mitchell, Manager, Recreation Facilities
SUBJECT: PRIEST VALLEY REFRIGERATION PLANT PHASE TWO

The purpose of this memorandum is to provide Council with an update on the Priest Valley Refrigeration Plant Project. In 2021 the first phase was completed with the replacement of the compressors and the Priest Valley and Centennial Outdoor Rink chillers. With the installation of the new plate and frame Curling Club chiller this summer the second phase of the project is now complete.

With all major equipment now upgraded, we are making operational changes to the way the plant runs. There has already been a reduction of approximately 8% in BC Hydro use after phase one was completed. With phase two now complete, it is projected that a further reduction in our compressor run times will result in a potential savings of 15%-25% of BC Hydro use.

This project was funded in part with a Province of BC Community Economic Recovery Infrastructure Program (CERIP) grant of \$695,000. \$85,000 was funded by the Vernon Curling Club through annual contributions to the Recreation Services Curling Club Capital Equipment Reserve. The remaining \$334,222 was funded through the Recreation Major Maintenance annual budget. This project came in approximately \$70,000 under budget.

RECOMMENDATION:

THAT Council receive for information the memorandum titled "Priest Valley Refrigeration Plant Phase Two", dated September 16, 2022 and respectfully submitted by the Manager, Recreation Facilities.

Respectfully submitted:

A handwritten signature in black ink, appearing to read 'Stan Mitchell'.

Stan Mitchell
Manager, Recreation Facilities

Attachment 1 – Photos of the PV Compressor Room, Curling Ice install

Photos of the Priest Valley Compressor Room, Curling Ice install



Old Curling Club Flooded Chiller



New Curling Club Plate and Frame Chiller



Making Curling Ice



Finishing Curling Ice



Old (original) Compressors



New Compressors