

Saskatchewan Teachers' Federation Gets Blueprint for Energy Conservation

BY ANGIE BUGG
ENERGY CONSERVATION COORDINATOR

Saskatchewan Teachers' Federation Building and Maintenance Supervisor, Terry Williams, received some good information when he attended the Saskatchewan Environmental Society's Building Operator Training series. Along with gathering useful tips for efficiently operating his building, he learned about Energy Conservation for Non-Profit Organizations. Every year, Affinity Credit Union provides a grant to the Saskatchewan Environmental Society to conduct energy assessments for non-profit organizations.

SES contracted Integrated Designs to conduct the assessment. When SES Energy Conservation Coordinator, Angie Bugg, reviewed the report with Terry he said, "The Energy Assessment report gives us a blueprint we can follow to improve the energy efficiency of our building. The insight gained by this analysis will be of critical consideration for future replacement of air conditioning units and use of heat recovery systems. The report has already helped to modify how we operate the facility systems."

Two of the recommendations in the report were to install stack dampers on the water heating equipment (to reduce how much indoor air leaks out of the building), and to upgrade to high efficiency boilers. STF combined those two recommendations by installing high efficiency boilers that heat not only the building, but the domestic water as well. The inefficient old boilers and water heaters are now gone.

Gas consumption has dropped 15% and electricity consumption has dropped 5% in spite of having to add air conditioning to a server room. This leads to a savings of almost 50 tonnes/year CO2.

The Saskatchewan Teachers' Federation is the professional organization representing over 12,000 teachers in publicly funded schools in Saskatchewan.



Terry Williams, STF Building & Maintenance Supervisor
with new high efficiency boiler

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Building & Maintenance Supervisor
Saskatchewan Teachers' Federation



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