

# Climate Action Report: Energy Manager

Operations Policy & Planning Committee

June 8, 2020

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# Climate Action

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Facilities Services has identified a number of options that we are initiating to deal with the Climate Emergency.

Some options are Net Zero on new buildings, collecting energy from solar panels, heat from solar wall collectors and much more.

## Climate Action

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# ENERGY MANAGER

- An ENERGY MANAGER will assist in identifying realistic GHG reductions over an identified period of time.
- This will include Electric and gas reductions and in some cases gas elimination because of net zero initiatives.

# ENERGY MANAGER

- Lower Electricity consumption by up to 9% through staff behavior change
- Acquire external funding for energy conservation projects
- Utilizes data and formulas to identify best case scenarios for Solar Energy install, solar heat capture installs and other methods of lowering GHG emissions towards target goal

- We have been working with B.C. Hydro to acquire this Hydro supported position. They support it by providing a guaranteed percentage of the Managers salary (through contract between Hydro and the District).
- Hydro has quarterly expectations that the district must meet, all formula driven to allow the district to meet its intended goals (and Hydro's goals).

Other initiatives that are on the horizon spearheaded by the ENERGY MANAGER and in consultation with our Team are:

- Reduce energy loads in buildings, encouraging passive design standards and provide protection during power loss
- Provide where applicable, low carbon energy sources
- On-site renewable energy
- Solar readiness
- Implement Heat Recovery where feasible
- Perform energy audits
- Nurture Educational benefits for schools with the work carried out