

Excerpt from Operations Report February 2021

Date Presented: February 8, 2021

Presented to: Operations Policy & Planning Committee

Energy Management

- Downloaded and reviewed Energy Consumption by month for all 50+ buildings
 - Directly Compared 2019 data with 2020
 - Verified energy savings of LED Lighting and Controls upgrades so far.
 - Identified issues with Power factor at several schools, costing us \$5000/year
 - Identified potential Billing issues at Oak Bay regarding the transformer.
 - Savings of \$3500 per year. Potentially retroactive from 2014.
 - Corrected issue by phone. Expecting a very large credit on next bill.
 - Identified inactive meter at Facilities DC, costing \$135/year. Will be disconnected.
- Generated accurate report of all buildings Energy per m² (GJ/m²)
 - Can now identify buildings with issues when compared to typical values.
 - Can now prioritize where to look for largest potential savings for 2021 Energy Audits.
- Completed Energy Management Assessment with BC Hydro – Thursday Jan 21.
- Completed BC Hydro Quarterly Report – Thursday Jan 21.
- Completed LED lighting and controls upgrades:
 - Doncaster 100%
 - Eagleview 100%
 - Mount Douglas 95% (outside lights from bucket truck).
- Reynolds and Lansdowne LED lighting and control upgrades underway:
 - Lansdowne @ 80% complete
 - Reynolds @ 10% complete
- Requested an extension for James Bay Community, South Park and Sir James Douglas, due to decreased manpower and limited budget.
- Applied for Clean BC EV Rebate through BC Hydro for Artemis (Dean Heights)
 - Rebate approved Jan 17th (4 months to complete work)
 - Project funded by Artemis place.
 - 1 x Class 2, EV charger Station
 - 4 months to complete for rebate. (approx. 3 day job @ 8hrs per day)
- Applied for Clean BC EV Rebate the BC Hydro for Oak Bay EV Chargers
 - Rebate approved Jan 17th (4 months to complete work)

- Existing Chargers discontinued (Over \$10,000 per year savings)
- To be replaced with “Pay per use” Units
- New units can recover costs via \$1.00/hour rate.
- Identified Compressor leak at Mount Douglas: \$500/year.
- Completed transition to paperless billing with BC Hydro.
- Started transition to “dark campus” during unoccupied hours 12:30am to 5:00am
- Started Lighting Surveys / 2021 Energy Audits for next BC Hydro Fiscal Year. F21
 - Tolmie office
 - Facilities
 - Strawberry Vale Elementary
 - Sir James Douglas Elementary (survey completed in 2020)
 - James Bay Community (survey completed in 2020)
 - South park Elementary (survey completed in 2020)
 - Uplands Elementary

(F21 Estimated Budget of \$120,000 after rebate. Creating savings of \$42,000 per year.)