HARO VIEW – ELECTRIC VEHICLE INFRASTRUCTURE PROJECT

Electrical Contractor: Edwards Electric, Victoria BC
Contact: Lee MacFarlane (250-818-5330) lee.m@edwardselectric.net
Foreman: Antony Rogers & Craig Bruvold

SWTCH Equipment Rep: Chris Ceraldi: (604-404-3436) chris.ceraldi@swtchenergy.com

Process:

- Consult owners (Emphasize maintenance of property value, available government incentives, and legislation requiring auto makers to transition to EV or hydrogen passenger vehicles – 10% by 2025, 30% by 2035, and 100% by 2040).
- Start consultation process with potential Electrical Contractors.
- Make request to BC Hydro for load data for your building for the past 2 years to determine peak load.
- Determine if you want a networked system with service from EV charging provider, or an independent in-house system without monthly fees.
- Determine type of BC Hydro metering you want (single or individual metering)
- Consult lawyer to draft EV Bylaw and User Agreement.
- Have contractor prepare EV Ready Plan (Edwards: $3,727.50 includes tax). EV Ready Plan rebate is 75% before taxes up to $3,000. (Does not require BC Hydro pre-approval)
- Apply for pre-approval of your project to BC Hydro EV Incentive Program and get your confirmation number.
- Information session with owners for approval of project and SGM for funding from CRF.
- Take orders and collect payment (number of chargers, length of charging cords, etc.).
- Once project is completed have contractor complete CleanBC EV Charger Rebate Form A
- Complete your application to BC Hydro EV Incentives program for rebates which will require receipts for EV Ready Plan, Infrastructure, MURB chargers, legal fees, and contractor Form A.
- Upon completion of project, apply for Technical BC Operating Permit for system.

Haro View went with Edwards Electric and SWTCH as they had an independent in-house power management system, that would not require ongoing monthly fees following the EV rebate 2-year networking requirement. SWTCH gave us a 50% discount for their service ($8.50 instead of $17.00 per month for 2 years per charger), with a one-time up-front payment of $204 for the 2 years. Chargers are the 7.6kW Level 2 SWTCH Lite-on Platinum.

We chose to keep it simple. We now have a dedicate 200amp service for the EV charging system with power management. This is connected to a single hydro meter with the cost split evenly amongst EV owners. We currently bill EV owners $185 per year at the start of each fiscal year for their EV electricity consumption.

Strata pays to maintain the infrastructure: $350 per year annual contract with Edwards Electric.

Our EV system now has 37 energized outlets for all 32 parkade parking stalls and 5 townhouse garages. Total up front cost before rebates for infrastructure and EV Ready Plan including tax for our project was $43,825.79. ***Net cost*** after $21,756.93 in rebates was ***$22,068.86***.

Average cost per charger for parkade stall owners was approximately $2,746 inclusive of tax. ***Average rebate per charger*** was approximately ***$1,142,*** thus ***net cost per charger*** was ***$1,604***, inclusive of all permits, required parking curb, taxes, and 2-year networking fee.