



SUNSHINE COAST REGIONAL DISTRICT

Question and Answers #1
Request for Proposal No. 2411602
Electrical Assessments for EV Chargers

Date: April 12, 2024

Item No. 1

Question: Is the definition of Contractor meant to be Electrical Engineering Consultant?

Answer: Yes.

Item No. 2

Question: Is the \$40,000 budget for the Consulting Engineering scope of work or the total project?

Answer: Consulting Engineering scope.

Item No. 3

Question: What is the approximate Construction Budget, inclusive of electrical vehicle supply equipment (EVSE)?

Answer: Construction budget will be developed from cost estimates included in design work.

Item No. 4

Question: Will the District be responsible for procuring EVSE?

Answer: Yes, the District will be responsible for procurement of the charging units.

Item No. 5

Question: Does the District have an idea of whether the existing services are capable of the proposed net load additions or whether a service upgrade is likely required?

Answer: The purpose of the electrical assessment is to determine whether service upgrade is required however we anticipate that service upgrades will be needed.

Item No. 6

Question: How were the charging locations chosen?

Answer: They were chosen to not impact flow of the buses, with that said they are only proposed location we are open to input and change.

Item No. 7

Question: Is there any flexibility in the proposed charger locations?

Answer: Yes.

Item No. 8

Question: Is there any flexibility in the proposed charger locations?

Answer: Yes.

Item No. 9

Question: Are the charging locations more important than cost savings?

Answer: We are open to alternative locations if cost savings can be achieved, but traffic flow must not be affected.

Item No. 10

Question: Is universal design and accessibility a consideration to the charger locations and this proposal?

Answer: Yes.

Item No. 11

Question: What is the Regional District's Hydro usage over 12 months?

Answer: Please see the four (4) tables below:

1.) Field Road:

Interval Start Date/Time	Net Consumption (kWh)	Demand (kW)	Power Factor (%)
2023-01-01 0:00	34274.08	166.1	95.2
2023-02-01 0:00	32817.04	147.1	95.1
2023-03-01 0:00	32827.54	145.8	95.1
2023-04-01 0:00	28194.27	139.7	95.3
2023-05-01 0:00	19775.28	140.4	94.6
2023-06-01 0:00	17669.89	130.1	94.6
2023-07-01 0:00	18574.86	64.3	93.1
2023-08-01 0:00	18865.66	62.7	93
2023-09-01 0:00	18254.82	58.9	94.6
2023-10-01 0:00	25129.76	60.6	94.9
2023-11-01 0:00	35098.52	134.4	94.9
2023-12-01 0:00	32783.63	131.8	94.2
2024-01-01 0:00	41182.55	120.4	94.5
2024-02-01 0:00	34357.87	165.3	94.9
2024-03-01 0:00	35203.39	133.8	96.4
Total 2023	314265.35		

2.) Mason Road – Chlorine Shed:

Interval Start Date/Time	Net Consumption (kWh)	Demand (kW)	Power Factor (%)
2023-01-01 0:00	1163.82	N/A	N/A
2023-02-01 0:00	607.04	N/A	N/A
2023-03-01 0:00	1066.24	N/A	N/A
2023-04-01 0:00	282.89	N/A	N/A
2023-05-01 0:00	35.63	N/A	N/A
2023-06-01 0:00	42.5	N/A	N/A
2023-07-01 0:00	136.54	N/A	N/A
2023-08-01 0:00	117.27	N/A	N/A
2023-09-01 0:00	95.79	N/A	N/A
2023-10-01 0:00	523.23	N/A	N/A
2023-11-01 0:00	955.96	N/A	N/A
2023-12-01 0:00	596.55	N/A	N/A
2024-01-01 0:00	751.44	N/A	N/A
2024-02-01 0:00	625.99	N/A	N/A
2024-03-01 0:00	952.07	N/A	N/A
2023 TOTAL	5623.46		

3.) Mason Road – Parks Hut:

Interval Start Date/Time	Net Consumption (kWh)	Demand (kW)	Power Factor (%)	Natural gas use (kWh equivalent)
2023-01-01 0:00	770.07	N/A	N/A	5,019
2023-02-01 0:00	740.73	N/A	N/A	15,198
2023-03-01 0:00	774.29	N/A	N/A	17,046
2023-04-01 0:00	627.56	N/A	N/A	16,638
2023-05-01 0:00	528.91	N/A	N/A	11,371
2023-06-01 0:00	362.83	N/A	N/A	5,978
2023-07-01 0:00	340.1	N/A	N/A	5,786
2023-08-01 0:00	312.55	N/A	N/A	5,978
2023-09-01 0:00	433.63	N/A	N/A	5,062
2023-10-01 0:00	484.89	N/A	N/A	369
2023-11-01 0:00	600.26	N/A	N/A	752
2023-12-01 0:00	669.6	N/A	N/A	2,887
2024-01-01 0:00	873.13	N/A	N/A	7,455
2024-02-01 0:00	968.98	N/A	N/A	9,378
2024-03-01 0:00	1151.32	N/A	N/A	
2023 TOTAL	6,645.42			

4.) Mason Road – Fleet & Utilities:

Interval Start Date/Time	Net Consumption (kWh)	Demand (kW)	Power Factor (%)	Natural Gas in kWh equivalent
2022-10-01 0:00				2794
2022-11-01 0:00				13544
2022-12-01 0:00				38215
2023-01-01 0:00	15927.54	N/A	N/A	16,693
2023-02-01 0:00	15095.55	N/A	N/A	17,737
2023-03-01 0:00	14015.7	N/A	N/A	11,620
2023-04-01 0:00	10904.28	N/A	N/A	8,772
2023-05-01 0:00	7528.99	N/A	N/A	2,986
2023-06-01 0:00	7214.96	N/A	N/A	3,016
2023-07-01 0:00	8426.03	N/A	N/A	296
2023-08-01 0:00	8357.39	N/A	N/A	340
2023-09-01 0:00	7270.39	N/A	N/A	686
2023-10-01 0:00	8645.67	N/A	N/A	4,993
2023-11-01 0:00	13287.88	N/A	N/A	10,564
2023-12-01 0:00	13771.7	N/A	N/A	
2024-01-01 0:00	16679.77	N/A	N/A	
2024-02-01 0:00	12312.64	N/A	N/A	
2024-03-01 0:00	11237.2	N/A	N/A	
Total 2023	130446.08			