



November 17, 2015

VIA ELECTRONIC MAIL

British Columbia Utilities Commission
Sixth Floor, 900 Howe Street
Vancouver, BC V6Z2N3

Attention: Ms. Erica Hamilton, Commission Secretary

RE: BC Hydro 2015 Rate Design Application

Please find enclosed the City of Vancouver, Neighbourhood Energy Utility's first set of Information Requests with respect to the above noted matter.

A copy of this letter and attached information request have also been forwarded to BC Hydro and registered interveners by email.

If you have any questions regarding the foregoing, please do not hesitate to contact us.

Yours truly,

Kieran McConnell, P.Eng., LEED AP.
Systems Engineer

KM/

320-507 West Broadway, Vancouver, BC
tel: 604.871.6981

cc: BC Hydro
cc: Registered Intervenors



City of Vancouver, Neighbourhood Energy Utility
 INFORMATION REQUEST #1
 BC Hydro Rate Design Application

1. Reference: Exhibit B-1, page 6-38

1.1 Please provide the ten year cost implications on an annual basis of the LGS proposal for a typical thermal energy utility, based on the load profile provided below. Please compare to the cost implications under the current LGS rate structure. Assume the electrical energy increases 10% each year and the electrical demand grows 2% each year.

Typical Load profile (year 1)

	Electrical Energy (kWh)	Monthly Peak Electrical Demand (kW)
January	785,000	1,250
February	750,000	1,250
March	750,000	1,250
April	625,000	1,000
May	500,000	750
June	420,000	750
July	365,000	700
August	365,000	700
September	400,000	750
October	625,000	1,000
November	750,000	1,250
December	800,000	1,250

Load Growth - year by year

	Electrical Energy Growth (%)	Monthly Peak Electrical Demand (kW)
Year 1	5%	2%
Year 2	5%	2%
Year 3	5%	2%
Year 4	5%	2%
Year 5	5%	2%
Year 6	5%	2%
Year 7	5%	2%
Year 8	5%	2%
Year 9	5%	2%
Year 10	5%	2%

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1.2 Please provide the ten year cost implications on an annual basis of the LGS proposal for a typical thermal energy utility which adds a major capital upgrade in year 4 to double production, based on the load profile provided below. Please compare to the cost implications of the current LGS rate structure.

Typical Load profile (year 1)

	Electrical Energy (kWh)	Monthly Peak Electrical Demand (kW)
January	785,000	1,250
February	750,000	1,250
March	750,000	1,250
April	625,000	1,000
May	500,000	750
June	420,000	750
July	365,000	700
August	365,000	700
September	400,000	750
October	625,000	1,000
November	750,000	1,250
December	800,000	1,250

Load Growth

	Electrical Energy Growth (%)	Monthly Peak Electrical Demand (kW)
Year 1	5%	2%
Year 2	5%	2%
Year 3	5%	2%
Year 4	100%	100%
Year 5	5%	2%
Year 6	5%	2%
Year 7	5%	2%
Year 8	5%	2%
Year 9	5%	2%
Year 10	5%	2%