Q. For the budget item identified below provide the information as appropriate:

Budget item	***Amount***	***Description***
B – 10	$1,555, 000	Install 25 kV Distribution Line - Ebbegunbaeg

a) Provide the energy and unit cost of energy (cents per kWh) used in the cost benefit analysis for each year, both for isolated and interconnected alternatives.

b) Provide the basis for the unit cost of energy used in the study.

c) Provide a cost benefit analysis using the revenue requirement or customer cash flow method.

A. a) Annual energy consumption for both the isolated and interconnected alternative is estimated to be 380,000 kWh. Refer to attached table for energy costs.

b) The forecast cost for interconnected energy was based on the Holyrood thermal plant. Isolated energy costs were based on actual fuel and lube consumption data, and forecast diesel fuel costs.

c) No ratepayers are serviced from this distribution line. The use of this line is restricted to NLH for its facilities at the Ebbegunbaeg control structure.

EBBE DISTRIBUTION LINE ECONOMIC ANALYSIS

Yearly Costs for Isolated and Interconnected Energy

Cents per kWh

Year	Isolated Energy Cost	Interconnected Energy Cost
2001	0.0	0
2002	0.0	0
2003	0.142	0.042
2004	0.138	0.037
2005	0.134	0.038
2006	0.140	0.039
2007	0.139	0.040
2008	0.139	0.041
2009	0.139	0.042
2010	0.138	0.044
2011	0.138	0.045
2012	0.141	0.046
2013	0.145	0.048
2014	0.148	0.049
2015	0.152	0.050
2016	0.155	0.052
2017	0.159	0.053
2018	0.163	0.054
2019	0.167	0.056
2020	0.171	0.057
2021	0.176	0.058
2022	0.180	0.060

Yearly Consumption 380,000 kWh

EBBE DISTRIBUTION LINE ECONOMIC ANALYSIS

Yearly Costs for Isolated and Interconnected Energy

Cents per kWh

Year	Isolated Energy Cost	Interconnected Energy Cost
2001	0.0	0
2002	0.0	0
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Yearly Consumption 380,000 kWh