

British Columbia Hydro and Power Authority ("BC Hydro")
2007 Rate Design Application
Project No. 3698455

TERASEN UTILITIES UNDERTAKING

HEARING DATE:

July 18, 2007

TRANSCRIPT REFERENCE:

Volume 9, Page 1633, Lines 4-21

(Exhibit C7-5, Response to BCUC IR No. 1.27.1)

REQUESTOR: THE CHAIRPERSON

QUESTION:

Referring to Terasen Utilities' response to BCUC 1.27.1, provide the average price of propane delivered to a house in the Revelstoke area since 1987 or as long as you can. Provide the average price of furnace oil on Vancouver Island since about 1991 or as far back as you can.

RESPONSE:

The Terasen Utilities' response to BCUC 1.27.1 provided the price of furnace oil and propane as at June 19, 2007, as compared to the E-Plus customer's rate.

The first attached table compares the annual average price of propane delivered to a typical residential customer in the Revelstoke Service Area of Terasen Gas Inc. for the period 1994 through 2007 based on the approved annualized Terasen Gas Inc. bundled rates. The annual and aggregate costs are compared to the E-Plus rate 1103 for the time period.

The second attached table compares the annual average price of fuel (furnace) oil on Vancouver Island for the period 1994 through 2007. The annual and aggregate costs are compared to the E-Plus rate 1103 for the time period.

Historical Comparison of BC Hydro E-Plus Rate Schedule 1105 and the Estimated E-Plus Annual Savings Compared to Propane based on TGI Revelstoke Rate Schedule 1

a	b	c	d	e	f	g	h
Year	Usage per Year (GJ) ⁽¹⁾	Revelstoke Total Rate Weighted Average Price per GJ ⁽²⁾	Revelstoke Total Annual Bill	BC Hydro E-Plus Customer Rate (\$/kWh) ⁽³⁾	BC Hydro E-Plus Customer Rate (\$/GJ)	E-Plus Annual Bill	Estimated E-Plus Annual Savings (Propane)
			b*c = d			b*f = g	d-g = h
1994	43	\$6.802	\$292	\$0.0315	\$8.75	\$376	-\$84
1995	43	\$7.151	\$307	\$0.0315	\$8.75	\$376	-\$69
1996	43	\$7.737	\$333	\$0.0315	\$8.75	\$376	-\$44
1997	43	\$9.322	\$401	\$0.0315	\$8.75	\$376	\$25
1998	43	\$10.243	\$440	\$0.0315	\$8.75	\$376	\$64
1999	43	\$9.527	\$410	\$0.0315	\$8.75	\$376	\$33
2000	43	\$10.600	\$456	\$0.0315	\$8.75	\$376	\$80
2001	43	\$14.950	\$643	\$0.0315	\$8.75	\$376	\$267
2002	43	\$13.280	\$571	\$0.0315	\$8.75	\$376	\$195
2003	43	\$13.678	\$588	\$0.0315	\$8.75	\$376	\$212
2004	43	\$15.140	\$651	\$0.0330	\$9.17	\$394	\$257
2005	43	\$17.533	\$754	\$0.0330	\$9.17	\$394	\$360
2006	43	\$19.925	\$857	\$0.0330	\$9.17	\$394	\$463
2007 (Ytd)	43	\$17.970	\$773	\$0.0342	\$9.49	\$408	\$365
Totals			\$7,476			\$5,353	\$2,123

⁽¹⁾ Usage per Year as per Exhibit B-3, BCUC IR No. 1 27.1 12,000 kWh.

⁽²⁾ Revelstoke rates from 1994 to 1997 include seasonal rates that were adjusted on a weighted average basis for calculation purposes, and are blended rates.

⁽³⁾ BC Hydro E-Plus historical rates are as per Exhibit B-3, BC Hydro's response to BCUC IR No.1 41.4, with the 2007 rate adjusted for the 2% rate rider.

Conversion Factor 1 GJ = 277.78 kWh

**Historical Comparison of BC Hydro E-Plus Rate Schedule 1105 and the
Estimated E-Plus Annual Savings Compared to Furnace Oil**

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>
Year	Usage per Year (GJ) ⁽¹⁾	Fuel Oil Annual Average Price per GJ ⁽²⁾	Fuel Oil Annual Bill	BC Hydro E-Plus Customer Rate (\$/kWh) ⁽³⁾	BC Hydro E-Plus Customer Rate (\$/GJ)	E-Plus Annual Bill	Estimated E-Plus Annual Savings (Furnace Oil)
			b*c = d			b*f = g	d-g = h
1994	43	\$9.41	\$405	\$0.0315	\$8.75	\$376	\$28
1995	43	\$9.53	\$410	\$0.0315	\$8.75	\$376	\$33
1996	43	\$9.85	\$424	\$0.0315	\$8.75	\$376	\$47
1997	43	\$10.45	\$449	\$0.0315	\$8.75	\$376	\$73
1998	43	\$9.70	\$417	\$0.0315	\$8.75	\$376	\$41
1999	43	\$10.45	\$449	\$0.0315	\$8.75	\$376	\$73
2000	43	\$14.01	\$602	\$0.0315	\$8.75	\$376	\$226
2001	43	\$13.95	\$600	\$0.0315	\$8.75	\$376	\$224
2002	43	\$13.14	\$565	\$0.0315	\$8.75	\$376	\$189
2003	43	\$15.13	\$651	\$0.0315	\$8.75	\$376	\$274
2004	43	\$17.40	\$748	\$0.0330	\$9.17	\$394	\$354
2005	43	\$21.86	\$940	\$0.0330	\$9.17	\$394	\$546
2006	43	\$23.02	\$990	\$0.0330	\$9.17	\$394	\$596
2007 (Ytd)	43	\$23.55	\$1,013	\$0.0342	\$9.49	\$408	\$604
Totals			\$8,662			\$5,353	\$3,309

⁽¹⁾ Usage per Year as per Exhibit B-3, BCUC IR No. 1 27.1 12,000 kWh.

⁽²⁾ Fuel Oil Prices from 1994 to 2004 are sourced from Demke Management Information - Location/Fuel Oil Dealer, and from 2004 to present, prices are sourced from MJ Ervin's Weekly Pump Price Survey.

⁽³⁾ BC Hydro E-Plus historical rates are as per Exhibit B-3, BC Hydro's response to BCUC IR No.1 41.4, with the 2007 rate adjusted for the 2% rate rider.

Conversion Factor 1 GJ = 277.78 kWh