

C5-~~9~~10

**YUKON ENERGY CORPORATION  
2008/2009 GENERAL RATE APPLICATION**

YUKON UTILITIES BOARD

**EXHIBIT** C5-10

DAY	ENTERED BY	DATE
	YCS	Nov 14/12

**APPLICATION AND SUPPORTING DOCUMENTS  
SEPTEMBER 2008**

Stringing line on the Carmacks-Stewart Transmission Line Project  
Photo: [www.archbould.com](http://www.archbould.com)

YUKON  
ENERGY



**Yukon Energy Corporation**  
**Summary of Energy Balance, Losses, Peak and Load Factor**

Table 2.5  
 September 2008

Line No.	Description	Approved 2005	Actual 2005	Actual 2006	Actual 2007	Forecast 2008	Forecast 2009
<b>Sales and Losses</b>							
1	Total Energy Sales	282,428	285,229	302,032	307,844	316,031	343,581
2	Losses - MWh	21,841	23,957	24,884	25,031	27,355	28,945
3	Losses - %	7.73%	8.40%	8.24%	8.13%	8.66%	8.42%
4	Total Generation	304,270	309,186	326,916	332,875	343,386	372,526
<b>Source - MWh</b>							
<b>Hydro Generation</b>							
<b>WAF System</b>							
5	Whitehorse	179,469	201,990	216,766	206,389	206,145	237,294
6	Aishihik	99,480	80,650	80,690	98,142	108,060	102,794
7	Total	278,949	282,640	297,456	304,531	314,206	340,088
8	Mayo	22,946	25,077	27,166	26,735	27,476	30,686
9	Total Hydro	301,895	307,717	324,622	331,266	341,681	370,774
10	Wind Turbine	1,125	890	600	362	618	491
<b>Diesel Generation</b>							
11	Whitehorse	200	80	690	363	284	0
12	Faro	50	34	729	106	546	866
13	Dawson	1,000	461	271	757	377	396
14	Mayo	0	4	4	21	0	0
15	Total Diesel	1,250	580	1,694	1,247	1,206	1,262
<b>Source - %</b>							
16	Hydro Generation	99.2%	99.5%	99.3%	99.5%	99.5%	99.5%
17	Diesel Generation	0.4%	0.2%	0.5%	0.4%	0.4%	0.3%
18	Wind Generation	0.4%	0.3%	0.2%	0.1%	0.2%	0.1%
<b>Peak - MW</b>							
<b>WAF System</b>							
19	firm (excl sec - note 1)	55	n/a	n/a	n/a	58	62
20	firm plus secondary	59	56	60	58	58	62
21	Mayo System (note 1)	5	4	4	4	5	5

Notes:

1 Yukon Energy does not track actual secondary peak usage, as these customer are not metered in a way to permit this monitoring. For forecast years, loads are estimated separately for firm versus secondary.