

Yukon Energy Undertaking #2

Provide YECL purchased power forecasts provided to YEC for the past 3 years

Ex: B19

Comparison of YECL Purchase of Power Sales Forecasts to Actuals (MW.h)

Includes WAF and MD (Keno at approximately 250 MW.h plus Stewart Crossing beginning November 2005 at about 500 MW.h)

**Sales Forecasts by Year (as provided by YECL)
forecast provided in:**

Year	Actual Sales	2003	2004	2005	2006
2003	229,971	223,696	-	-	-
2004	235,982	224,367	226,301	-	-
2005	237,419	225,040	226,980	234,212	-
2006 (FYF)	247,179	225,715	227,661	236,554	241,862
2007	-	-	228,344	237,737	244,281
2008	-	-	229,029	238,926	246,724
2009	-	-	-	240,120	-

YUKON UTILITIES BOARD	
EXHIBIT B-19	
DAY	ENTERED BY
	YEC
DATE	
NOV 19 2006	

Yukon Electrical - 2003 BP Purchased Power Forecast

Yukon Electrical - 2003 Business Plan Preliminary Forecast of Wholesale Purchases. (kW,h's)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Total WAF Purch 97 (per FRTARM96)	23,916,973	21,430,505	20,194,893	17,292,658	15,777,047	14,450,308	13,986,780	14,064,550	15,526,334	17,639,078	20,496,224	23,655,321	218,470,672
Forecast Adjustments	204,617	219,219	228,281	253,799	258,115	286,064	299,812	283,608	261,653	221,701	222,305	211,186	2,950,060
Additional estimate for Fish Lake watershed	166,667	166,667	166,666	166,667	166,666	166,667	166,666	166,667	166,666	166,667	166,666	166,668	2,000,000
Less: Keno	(26,231)	(22,173)	(26,621)	(25,124)	(19,206)	(22,932)	(21,846)	(19,329)	(21,985)	(21,065)	(23,658)	(24,738)	(274,908)
Total 2002 WAF	24,288,257	21,816,391	20,589,840	17,713,125	16,201,828	14,943,039	14,453,258	14,514,825	15,954,653	18,027,446	20,884,895	24,033,175	223,420,732
Keno - 99	21,231	17,173	21,621	20,124	14,206	17,932	16,846	14,329	16,985	16,065	18,658	15,738	214,908
32 Keno adjustment	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	60,000
	26,231	22,173	26,621	25,124	19,206	22,932	21,846	19,329	21,985	21,065	23,658	24,738	274,908
Total 2003 Forecast	24,314,488	21,838,565	20,616,461	17,738,249	16,221,034	14,965,971	14,475,104	14,534,154	15,976,638	18,048,511	20,908,553	24,057,913	223,695,639
Approved rate	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684
Primary Expense	1,683,111	1,493,758	1,410,166	1,213,296	1,095,519	1,023,672	990,057	994,136	1,092,802	1,234,518	1,430,145	1,645,561	15,300,782
Secondary Expense	19,030	18,920	18,460	18,040	18,560	13,530	9,570	11,770	15,920	22,000	23,540	24,530	216,920
Total Expense	1,682,141	1,512,678	1,428,626	1,231,336	1,128,109	1,037,202	999,627	1,005,906	1,111,722	1,256,518	1,453,685	1,670,091	15,517,702

	kW,h purch.	Rate	Expense	Secondary	Total
2004	224,366,726	0.0684	15,346,684	300,300	15,646,984
2005	225,039,826	0.0684	15,392,724	304,700	15,697,424
2006	225,714,945	0.0684	15,438,902	304,700	15,743,602

**Yukon Electrical - 2004 BP
Purchased Power Forecast**

Yukon Electrical - 2004 Business Plan Preliminary Forecast of Wholesale Purchases. (kW.h's)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Total WAF Purch '97 (per FTRAR'96)	23,916,973	21,430,505	20,194,893	17,292,658	15,777,047	14,490,308	13,986,780	14,064,550	15,526,334	17,639,078	20,496,224	23,655,321	218,470,672
Forecast Adjustments	477,576	472,759	484,697	466,005	451,963	467,381	476,333	463,595	455,925	434,462	482,840	483,933	5,579,668
Additional estimate for Fish Lake watershed	166,667	166,667	166,666	166,667	166,666	166,667	166,666	166,667	166,666	166,667	166,666	166,668	2,000,000
Less Keno	(27,231)	(23,173)	(27,621)	(26,124)	(18,206)	(17,932)	(16,846)	(14,329)	(19,985)	(21,065)	(18,658)	(19,738)	(250,908)
Total 2002 WAF	24,561,215	22,069,931	20,826,256	17,927,931	15,985,676	15,124,556	14,629,780	14,694,812	16,148,925	18,240,207	21,125,730	24,305,922	226,050,340
Keno - 99	21,231	17,173	21,621	20,124	14,206	17,932	16,846	14,329	16,985	16,065	18,658	19,738	214,908
04 Keno adjustment	6,000	6,000	6,000	6,000	4,000	0	0	0	3,000	5,000	0	0	36,000
Total 2004 BP	24,888,446	22,093,104	20,853,877	17,953,454	16,413,882	15,142,488	14,646,626	14,709,141	16,166,910	18,261,273	21,144,387	24,325,660	226,301,247
Approved rate	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684
Primary Expense	1,681,850	1,511,168	1,428,405	1,228,016	1,122,710	1,035,746	1,001,829	1,006,105	1,105,363	1,249,071	1,446,276	1,663,875	15,479,005
Secondary Expense	21,890	21,120	20,380	20,240	20,790	15,730	11,770	13,970	21,120	24,200	25,740	26,730	243,980
Total Expense	1,703,740	1,532,288	1,447,985	1,248,256	1,143,500	1,051,476	1,013,599	1,020,075	1,127,073	1,273,271	1,472,016	1,690,605	15,722,985

	kW.h purch.	Rate	Expense	Secondary	Total
2005	226,960,151	0.0684	15,525,442	365,970	15,891,412
2006	227,661,091	0.0684	15,572,019	384,266	15,956,287
2007	228,344,074	0.0684	15,618,735	403,482	16,022,217
2008	229,029,106	0.0684	15,665,591	423,657	16,089,248

**Yukon Electrical - 2005 BP
Purchased Power Forecast**

Yukon Electrical - 2005 Business Plan Preliminary Forecast of Wholesale Purchases (kW.h's)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Total WAF Purch '97 (per FRTARM96)	23,916,973	21,430,505	20,194,893	17,292,658	15,777,047	14,490,308	13,986,780	14,064,550	15,526,334	17,639,078	20,496,224	23,655,321	218,470,672
Forecast Adjustments	964,316	176,271	992,631	792,238	1,165,942	1,557,710	2,290,819	2,309,121	1,015,341	900,515	1,012,599	1,112,932	14,290,434
Additional estimate for Fish Lake watershed	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,200,000
Less: Kenc	(27,231)	(23,173)	(27,621)	(26,124)	(18,206)	(17,932)	(16,846)	(14,329)	(19,985)	(21,065)	(18,658)	(19,738)	(250,908)
Total 2002 WAF	24,981,289	21,706,776	21,287,524	18,184,896	17,042,969	16,148,018	16,377,599	16,473,671	16,641,675	18,639,593	21,608,823	24,868,253	233,961,106
Kenc - 99	21,231	17,173	21,621	20,124	14,206	17,932	16,846	14,329	16,985	16,065	18,658	19,738	214,908
0.4 Kenc adjustment	6,000	6,000	6,000	6,000	4,000	0	0	0	3,000	5,000	0	0	36,000
	27,231	23,173	27,621	26,124	18,206	17,932	16,846	14,329	19,985	21,065	18,658	19,738	250,908
Total 2005 BP	25,008,519	21,729,949	21,315,145	18,211,020	17,061,195	16,165,950	16,394,446	16,488,000	16,661,660	18,660,658	21,627,481	24,887,991	234,212,013
Approved rate	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684	0.0684
Primary Expense	1,710,583	1,486,329	1,457,956	1,245,634	1,166,966	1,105,751	1,121,380	1,127,779	1,139,658	1,276,389	1,479,320	1,702,339	16,020,102
Secondary Expense	28,490	27,720	25,080	24,640	25,190	20,130	16,170	20,570	27,720	28,600	32,340	34,650	317,300
Total Expense	1,739,073	1,514,049	1,483,036	1,270,274	1,192,176	1,125,881	1,137,550	1,148,348	1,167,378	1,304,989	1,511,660	1,736,989	16,337,402
YECL SS Forecast	1,265,000	1,260,000	1,140,000	1,120,000	1,145,000	915,000	735,000	935,000	1,260,000	1,300,000	1,470,000	1,575,000	14,150,000

	kw.h purch.	Rate	Expense	Secondary	Total
2006	236,554,133	0.0684	16,180,303	365,970	16,546,273
2007	237,736,904	0.0684	16,261,204	384,268	16,645,472
2008	238,925,589	0.0684	16,342,510	403,482	16,745,992
2009	240,120,216	0.0684	16,424,223	423,657	16,947,880

Yukon Electrical - 2006 BP Purchased Power Forecast

Yukon Electrical - 2006 Business Plan Preliminary Forecast of Wholesale Purchases - (kW.h's)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Primary kWh - forecast 2006	26,000,386	22,498,933	21,037,336	18,274,181	16,870,817	17,720,600	16,779,097	18,414,078	18,822,445	22,990,196	24,797,959	241,862,086	
Provision for Keno City	(32,750)	(30,000)	(26,250)	(23,000)	(14,000)	(10,500)	(11,000)	(15,000)	(18,000)	(19,000)	(21,500)	(25,000)	(250,000)
Provision for Stewart Crossing	(52,500)	(52,500)	(47,500)	(37,500)	(27,500)	(27,500)	(27,500)	(32,500)	(27,500)	(32,500)	(37,500)	(42,500)	(445,000)
Net WAF sales	25,914,836	22,116,433	20,964,186	17,895,458	15,232,581	16,832,617	17,662,100	16,731,597	18,368,578	18,770,945	22,931,196	24,726,459	241,167,086
Per discussion with Rob then slight adjustments:													
\$ xing - 0% xtd then 04	52,500	52,500	47,500	37,500	27,500	27,500	27,500	32,500	27,500	32,500	37,500	42,500	445,000
Keno 05 YTD accruals then 04	32,580	30,970	26,250	23,100	13,950	10,050	11,100	14,835	18,390	18,750	21,450	28,800	249,225
Keno - for BP 06	32,750	30,000	26,250	23,000	14,000	10,500	11,000	15,000	18,000	19,000	21,500	25,000	250,000
YEC Shortfall - Rider V (34.93%)	\$ 478,687	\$ 448,438	\$ 415,447	\$ 382,730	\$ 354,739	\$ 335,256	\$ 327,628	\$ 335,716	\$ 359,915	\$ 390,039	\$ 430,562	\$ 485,186	\$ 4,742,365
Actual YEC Collections for 2005	\$ 485,004	\$ 438,985	\$ 401,508	\$ 396,212	\$ 359,842	\$ 348,608	\$ 348,918	\$ 340,464					
Difference	\$ (18,316)	\$ 9,453	\$ 13,939	\$ (13,482)	\$ (5,103)	\$ (11,352)	\$ (21,290)	\$ (4,748)					\$ (48,859.06)
Secondary kWh	1,576,876	1,579,242	1,579,300	1,539,359	1,451,895	1,416,910	1,323,615	1,323,615	1,585,006	1,749,271	1,947,522	2,186,589	20,000,000

	Primary kWh purch.	Less Keno City	S. Xing	Net WAF	Secondary kWh purch.
2007	244,280,707	(250,000)	(415,000)	243,615,707	20,500,000
2008	246,723,514	(250,000)	(415,000)	246,058,514	21,000,000