

DFPV Orientation

2011 ACTUAL FUEL EXPENSE LITRES		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Fuel Expense Litres										
Faro		38,042	33,964	37,370	6,184	3,262	65,248	840	449	52,816
Mayo	Source = Plant Report via System	0	38	200	44,695	9,941	5,110	1,688	43,808	10,540
Dawson	Generation Report.	320,245	155,887	354,553	370,850	151,943	85,535	73,046	30,500	13,321
Whitehorse		245,082	158,664	451,846	28,081	46,406	127,898	67,984	67,717	62,940
Total		603,369	348,553	843,969	449,810	211,552	283,791	143,558	142,474	139,617

2011 ACTUAL DIESEL GENERATION (KW.h)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Diesel Generation (KW.h)										
Faro		145,320	87,576	105,420	27,853	8,244	254,100	3,150	840	50,190
Mayo	Source = SCC Month End Report via	0	0	420	174,510	37,380	14,490	6,510	99,750	39,900
Dawson	System Generation Report.	1,281,792	754,311	1,330,021	1,423,903	590,192	132,456	94,355	111,975	52,187
Whitehorse		940,369	582,235	1,710,095	92,902	177,913	623,709	138,796	243,250	247,733
Total		2,367,481	1,424,122	3,145,956	1,719,168	813,729	1,024,755	242,811	455,815	390,010

2011 ACTUAL FUEL EXPENSE DOLLARS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Fuel Expense Dollars										
Faro		34,239	31,266	36,957	6,230	3,286	68,446	881	471	56,091
Mayo	Source = Plant Report via System	0	29	152	42,621	10,116	5,200	1,729	44,602	10,731
Dawson	Generation Report. Values determined	308,400	156,392	378,475	404,994	168,003	77,409	65,778	27,465	15,369
Whitehorse	by Weighted Cost Average	221,234	147,443	452,003	28,268	47,344	131,319	71,121	68,380	63,954
Total		563,873.24	335,130.56	867,586.54	482,112.65	228,748.97	282,373.92	139,509.38	140,917.93	146,145.44

2011 ACTUAL CENTS/LITER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Fuel Expense Dollars										
Faro		90.00	92.06	98.89	100.74	100.74	104.90	104.90	104.90	106.20
Mayo	Equals Weighted Average Cost/Litre	0.00	76.24	76.23	95.36	101.76	101.76	102.44	101.81	101.81
Dawson	determined monthly	96.30	100.32	106.75	109.21	110.57	90.50	90.05	90.05	115.38
Whitehorse		90.27	92.93	100.03	100.66	102.02	102.67	104.61	100.98	101.61
Total		93.45	96.15	102.80	107.18	108.13	99.50	97.18	98.91	104.68

2011 ACTUAL EFFICIENCY		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Fuel Expense Dollars										
Faro		3.82	2.58	2.82	4.50	2.53	3.89	3.75	1.87	0.95
Mayo	Actual Generation divided by Actual Litres	0.00	0.00	2.10	3.90	3.76	2.84	3.86	2.28	3.79
Dawson	(for month)	4.00	4.84	3.75	3.84	3.88	1.55	1.29	3.67	3.92
Whitehorse		3.84	3.67	3.78	3.31	3.83	4.88	2.04	3.59	3.94
Total		3.92	4.09	3.73	3.82	3.85	3.61	1.69	3.20	2.79

2011 ACTUAL FUEL EXPENSE LITRES YTD		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Fuel Expense Dollars										
Faro		38,042	72,006	109,376	115,560	118,822	184,070	184,910	185,359	238,175
Mayo	YTD Litres of fuel consumed	0	38	238	44,933	54,874	59,984	61,672	105,480	116,020
Dawson		320,245	476,132	830,685	1,201,535	1,353,478	1,439,013	1,512,059	1,542,559	1,555,880
Whitehorse		245,082	403,746	855,592	883,673	930,079	1,057,977	1,125,961	1,193,678	1,256,618
Total		603,369	951,922	1,795,891	2,245,701	2,457,253	2,741,044	2,884,602	3,027,076	3,166,693

2011 ACTUAL GENERATION (KW.h) YTD		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ACTUAL										
Faro		145,320	232,896	338,316	366,169	374,413	628,513	631,663	632,503	682,693
Mayo	YTD Generation	0	0	420	174,930	212,310	226,800	233,310	333,060	372,960
Dawson		1,281,792	2,036,103	3,366,124	4,790,027	5,380,219	5,512,675	5,607,030	5,719,005	5,771,192
Whitehorse		940,369	1,522,604	3,232,699	3,325,601	3,503,514	4,127,223	4,266,019	4,509,269	4,757,002
Total		2,367,481	3,791,603	6,937,559	8,656,727	9,470,456	10,495,211	10,738,022	11,193,837	11,583,847

2011 ACTUAL DOLLARS YTD		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Fuel Expense Dollars										
Faro		34,239.28	65,505.15	102,461.99	108,692.04	111,978.33	180,424.45	181,305.63	181,776.64	237,867.26
Mayo	YTD Fuel Expense	0.00	28.97	181.43	42,802.33	52,918.04	58,117.85	59,847.01	104,449.17	115,180.24
Dawson		308,400.44	464,792.88	843,267.61	1,248,261.73	1,416,264.50	1,493,673.68	1,559,451.60	1,586,916.85	1,602,286.27
Whitehorse		221,233.52	368,676.80	820,679.31	848,946.89	896,291.09	1,027,609.90	1,098,731.02	1,167,110.53	1,231,064.86
Total		563,873.24	899,003.80	1,766,590.34	2,248,702.99	2,477,451.96	2,759,825.88	2,899,335.26	3,040,253.19	3,186,398.63

2011 ACTUAL CENTS/LITER YTD		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ACTUAL										
Faro		90.00	90.97	93.68	94.06	94.24	98.02	98.05	98.07	99.87
Mayo	YTD Dollars / YTD Litres - will vary from	0.00	76.24	76.23	95.26	96.44	96.89	97.04	99.02	99.28
Dawson	monthly weighted average cost due to	96.30	97.62	101.51	103.89	104.64	103.80	103.13	102.88	102.98
Whitehorse	variances in volume and price by month	90.27	91.31	95.92	96.07	96.37	97.13	97.58	97.77	97.97
Total		93.45	94.44	98.37	100.13	100.82	100.69	100.51	100.44	100.62

2011 ACTUAL EFFICIENCY YTD		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Fuel Expense Dollars										
Faro		3.82	3.23	3.09	3.17	3.15	3.41	3.42	3.41	2.87
Mayo	YTD Efficiency rate = YTD kWh / YTD	0.00	0.00	1.76	3.89	3.87	3.78	3.78	3.16	3.21
Dawson	Litres	4.00	4.28	4.05	3.99	3.98	3.83	3.71	3.71	3.71
Whitehorse		3.84	3.77	3.78	3.76	3.77	3.90	3.79	3.78	3.79

DFPV Orientation

Total	3.92	3.98	3.86	3.85	3.85	3.83	3.72	3.70	3.66
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DFPV Orientation

FUEL PRICE VARIANCES											
FARO		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Month Generation	A	145,320.00	87,576.00	105,420.00	27,853.00	8,244.00	254,100.00	3,150.00	840.00	50,190.00	
Month Forecast Eff.	Refer to Note #1 - below B	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	
Forecast Price	GRA Approved Price (by community) C	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	
Actual Price	Actual Monthly Weighted Average Cost D	0.9000	0.9206	0.9889	1.0074	1.0074	1.0490	1.0490	1.0490	1.0620	
YTD Generation	E	145,320.00	232,896.00	338,316.00	366,169.00	374,413.00	628,513.00	631,663.00	632,503.00	682,693.00	
YTD Forecast Eff.	F	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	
Forecast Price	G	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	0.9920	
Actual Price	H	0.90	0.91	0.94	0.94	0.94	0.98	0.98	0.98	1.00	
Monthly Price Variance	Actual Generation / Fcst.Eff. Rate x (Forecast-Actual Price) I = A/B x (C-D)	3,907.54	1,829.39	94.20	-125.80	-37.23	-4,236.10	-52.52	-14.00	-1,027.29	
Cumulative	Cumulative Monthly Variance J	3,907.54	5,736.93	5,831.13	5,705.33	5,668.10	1,432.00	1,379.48	1,365.48	338.19	
Cumulative YTD price variance	This section adjusts for YTD cumulative average price which compensates for variances in monthly volumes and prices K= E/F x (G-H) K-J	3,907.54	5,603.26	5,461.85	5,506.67	5,429.64	2,169.52	2,122.64	2,094.77	-1,339.02	
Cumulative adjustment	L	-0.00	-133.67	-369.28	-198.66	-238.46	737.52	743.16	729.29	-1,677.21	
Current Month adjustment	L		-133.67	-235.62	170.62	-39.79	975.97	5.64	-13.87	-2,406.50	
Adjusted Monthly Price Variance	M = I + L	3,907.54	1,695.72	-141.42	44.82	-77.02	-3,260.13	-46.88	-27.87	-3,433.79	

MAYO		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
DAWSON											
Month Generation	A	1,281,792	754,311	1,330,021	1,423,903	590,192	132,456	94,355	111,975	52,187	
Month Forecast Eff.	Refer to Note #1 - below B	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	
Forecast Price	GRA Approved Price (by community) C	0.9750	0.9750	0.9750	0.9750	0.9750	0.9750	0.9750	0.9750	0.9750	
Actual Price	Actual Monthly Weighted Average Cost D	0.9630	1.0032	1.0675	1.0921	1.1057	0.9050	0.9005	0.9005	1.1538	
YTD Generation	E	1,281,792	2,036,103	3,366,124	4,790,027	5,380,219	5,512,675	5,607,030	5,719,005	5,771,192	
YTD Forecast Eff.	F	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	
Forecast Price	G	0.9750	0.9750	0.9750	0.9750	0.9750	0.9750	0.9750	0.9750	0.9750	
Actual Price	H	0.9630	0.9762	1.0151	1.0389	1.0464	1.0380	1.0313	1.0288	1.0298	
Monthly Price Variance	Actual Generation / Fcst.Eff. Rate x (Forecast-Actual Price) I = A/B x (C-D)	4,377.06	-6,069.38	-35,039.09	-47,491.79	-21,976.00	2,641.57	2,002.69	2,376.68	-2,658.02	
Cumulative	Cumulative Monthly Variance J	4,377.06	-1,692.32	-36,731.41	-84,223.20	-106,199.20	-103,557.63	-101,554.94	-99,178.26	-101,836.28	
Cumulative YTD price variance	This section adjusts for YTD cumulative average price which compensates for variances in monthly volumes and prices K= E/F x (G-H) K-J	4,377.06	-687.36	-38,501.62	-87,188.31	-109,426.92	-98,921.64	-90,004.95	-87,587.16	-90,146.32	
Cumulative adjustment	L	-0.00	1,004.96	-1,770.21	-2,965.11	-3,227.72	4,635.99	11,549.99	11,591.10	11,689.96	
Current Month adjustment	L		1,004.96	-2,775.17	-1,194.90	-262.61	7,863.71	6,914.00	41.12	98.86	
Adjusted Monthly Price Variance	M = I + L	4,377.06	-5,064.42	-37,814.26	-48,686.69	-22,238.61	10,505.28	8,916.69	2,417.80	-2,559.16	

WHITEHORSE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Month Generation	A	940,369	582,235	1,710,095	92,902	177,913	623,709	138,796	243,250	247,733
Month Forecast Eff.	Refer to Note #1 - below B	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34
Forecast Price	GRA Approved Price (by community) C	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600
Actual Price	Actual Monthly Weighted Average Cost D	0.9027	0.9293	1.0003	1.0066	1.0202	1.0267	1.0461	1.0098	1.0161
YTD Generation	E	940,369	1,522,604	3,232,699	3,325,601	3,503,514	4,127,223	4,266,019	4,509,269	4,757,002
YTD Forecast Eff.	F	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34
Forecast Price	G	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600
Actual Price	H	0.9027	0.9131	0.9592	0.9607	0.9637	0.9713	0.9758	0.9777	0.9797
Monthly Price Variance	Actual Generation / Fcst.Eff. Rate x (Forecast-Actual Price) I = A/B x (C-D)	16,134.98	5,355.17	-20,657.53	-1,297.41	-3,207.61	-12,464.17	-3,579.81	-3,625.70	-4,162.20
Cumulative	Cumulative Monthly Variance J	16,134.98	21,490.15	832.62	-464.79	-3,672.40	-16,136.57	-19,716.38	-23,342.08	-27,504.28
Cumulative YTD price variance	This section adjusts for YTD cumulative average price which compensates for variances in monthly volumes and prices K= E/F x (G-H) K-J	16,134.98	21,361.84	779.43	-699.50	-3,851.77	-13,959.67	-20,201.30	-23,954.73	-28,008.13
Cumulative adjustment	L	-0.00	-128.31	-53.19	-234.71	-179.37	2,176.90	-484.92	-612.65	-503.85
Current Month adjustment	L		-128.30	75.12	-181.53	2,356.27	-2,661.82	-127.73	-127.73	108.80
Adjusted Monthly Price Variance	M = I + L	16,134.98	5,226.87	-20,582.41	-1,478.94	-3,152.26	-10,107.90	-6,241.63	-3,753.43	-4,053.40

Note # 1 YEC has discovered that the efficiency rate used in this calculation was not updated for YEC's 2009 GRA results; the impact is immaterial and will be corrected at the next quarterly filing.

PRICE VARIANCE SUMMARY											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Faro - (962010)		3,907.54	1,695.72	-141.42	44.82	-77.02	-3,260.13	-46.88	-27.87	-3,433.79	
Mayo - (962030)	DFPV by community aggregated to one value for entry into DFPV account	0.00	0.00	24.49	694.11	-558.64	-282.03	-104.47	-1,977.47	-533.36	
Dawson - (962020)		4,377.06	-5,064.42	-37,814.26	-48,686.69	-22,238.61	10,505.28	8,916.69	2,417.80	-2,559.16	
Whitehorse - (962070)		16,134.98	5,226.87	-20,582.41	-1,478.94	-3,152.26	-10,107.90	-6,241.63	-3,753.43	-4,053.40	
Total		24,419.58	1,858.17	-58,513.60	-49,426.70	-26,026.53	-3,144.78	2,523.71	-3,340.97	-10,579.71	
Cumulative Deferred Fuel		24,419.58	26,277.75	-32,235.84	-81,662.55	-107,689.08	-110,833.86	-108,310.15	-111,651.12	-122,230.83	

DFPV Orientation

DEFERRED FUEL PRICE VARIANCE ACCOUNT

YEC:

Rider F Collections:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
CIS	(2,957)	(2,573)	(2,807)	(2,366)	(2,464)	(2,886)	9,545	10,961	10,322
RS 32	-	-	-	-	-	-	-	-	(1,766)
Industrial	(4,696)	(676)	(3,362)	(3,199)	(3,218)	(2,944)	(2,913)	(3,325)	42,930
	<u>(7,652)</u>	<u>(3,249)</u>	<u>(6,169)</u>	<u>(5,565)</u>	<u>(5,682)</u>	<u>(5,830)</u>	<u>6,633</u>	<u>7,635</u>	<u>51,486</u>

Fuel Variance DFPV for YEC

Rider F Collection	24,420	1,858	(58,514)	(49,427)	(26,027)	(3,145)	2,524	(3,341)	(10,580)
Over/(Under) Collection	(7,652)	(3,249)	(6,169)	(5,565)	(5,682)	(5,830)	6,633	7,635	51,486
Transfer to/from YECL	16,767	(1,391)	(64,682)	(54,992)	(31,709)	(8,974)	9,157	4,294	40,906
Net Over/(Under) Collection	<u>(24,696)</u>	<u>(36,667)</u>	<u>(7,558)</u>	<u>(8,730)</u>	<u>(7,575)</u>	<u>(5,025)</u>	<u>23,895</u>	<u>20,541</u>	<u>(9,029)</u>
	<u>(7,929)</u>	<u>(38,058)</u>	<u>(72,241)</u>	<u>(63,722)</u>	<u>(39,284)</u>	<u>(13,999)</u>	<u>33,052</u>	<u>24,836</u>	<u>31,877</u>

Beginning Deferred Fuel Price Adjustment	37,565	29,636	(8,422)	(80,662)	(144,384)	(183,668)	(197,667)	(164,615)	(139,779)
Current Month Addition	(7,929)	(38,058)	(72,241)	(63,722)	(39,284)	(13,999)	33,052	24,836	31,877
Ending Deferred Fuel Price Adjustment	<u>29,636</u>	<u>(8,422)</u>	<u>(80,662)</u>	<u>(144,384)</u>	<u>(183,668)</u>	<u>(197,667)</u>	<u>(164,615)</u>	<u>(139,779)</u>	<u>(107,902)</u>

YECL:

Fuel Variance DFPV for YECL

Rider F Collection	(19,115)	(17,713)	(38,574)	(45,860)	(36,872)	(47,094)	(49,590)	(36,728)	(43,527)
Over/(Under) Collection	(31,189)	(24,902)	(27,624)	(22,505)	(21,268)	(18,783)	70,849	69,178	74,737
Transfer to/from YEC	(50,304)	(42,615)	(66,198)	(68,365)	(58,140)	(65,877)	21,259	32,450	31,210
Net Over/(Under) Collection	<u>24,696</u>	<u>36,667</u>	<u>7,558</u>	<u>8,730</u>	<u>7,575</u>	<u>5,025</u>	<u>(23,895)</u>	<u>(20,541)</u>	<u>9,029</u>
	<u>(25,608)</u>	<u>(5,948)</u>	<u>(58,640)</u>	<u>(59,635)</u>	<u>(50,564)</u>	<u>(60,852)</u>	<u>(2,636)</u>	<u>11,909</u>	<u>40,239</u>

Beginning Deferred Fuel	10,697	(14,911)	(20,859)	(79,499)	(139,134)	(189,699)	(250,551)	(253,187)	(241,278)
Current Month Addition	(25,608)	(5,948)	(58,640)	(59,635)	(50,564)	(60,852)	(2,636)	11,909	40,239
Ending Deferred Fuel	<u>(14,911)</u>	<u>(20,859)</u>	<u>(79,499)</u>	<u>(139,134)</u>	<u>(189,699)</u>	<u>(250,551)</u>	<u>(253,187)</u>	<u>(241,278)</u>	<u>(201,039)</u>

Combined:

(Both Companies)

Fuel Variance	5,305	(15,855)	(97,088)	(95,287)	(62,899)	(50,239)	(47,066)	(40,069)	(54,107)
Rider F Collection	(38,842)	(28,152)	(33,793)	(28,071)	(26,950)	(24,612)	77,482	76,814	126,223
Over/(Under) Collection	(33,537)	(44,006)	(130,881)	(123,357)	(89,848)	(74,851)	30,416	36,745	72,116
Transfer to/from YEC	-	-	-	-	-	-	-	-	-
Net Over/(Under) Collection	<u>(33,537)</u>	<u>(44,006)</u>	<u>(130,881)</u>	<u>(123,357)</u>	<u>(89,848)</u>	<u>(74,851)</u>	<u>30,416</u>	<u>36,745</u>	<u>72,116</u>

Beginning Deferred Fuel	48,262	14,725	(29,281)	(160,161)	(283,519)	(373,367)	(448,218)	(417,802)	(381,057)
Current Month Addition	(33,537)	(44,006)	(130,881)	(123,357)	(89,848)	(74,851)	30,416	36,745	72,116
Ending Deferred Fuel	<u>14,725</u>	<u>(29,281)</u>	<u>(160,161)</u>	<u>(283,519)</u>	<u>(373,367)</u>	<u>(448,218)</u>	<u>(417,802)</u>	<u>(381,057)</u>	<u>(308,941)</u>