

DSM Analysis
Economic Summary Tables
Using 4.65% Discount Rate

Note:

The DSM economic analysis is presented using 4.65% Discount Rate in Manitoba Hydro Exhibit 171 and Manitoba Hydro Exhibit 129.

DSM Analysis Economic Summary Table Index

Revised discount rate to the Manitoba Hydro long term cost of debt of 4.65%.

Table numbers match previous submission numbers followed by the letter B.

Total Resource Costs				
Table		Plan	DSM	Pipeline
001B	1	All Gas	Base	No
002B	1	All Gas	Level 1	No
003B	1	All Gas	Level 2	No
004B	1	All Gas	Level 3	No
005B	5	K19/Gas/750MW	Base	No
006B	5	K19/Gas/750MW	Level 1	No
007B	5	K19/Gas/750MW	Level 2	No
008B	5	K19/Gas/750MW	Level 3	No
009B	14	K19/C26/750MW	Base	No
010B	14	K19/C30/750MW	Level 1	No
011B	14	K19/C31/750MW	Level 2	No
012B	14	K19/C33/750MW	Level 3	No
013B	1	All Gas	Level 2	Yes
014B	1	All Gas	Level 3	Yes
015B	5	K19/Gas/750MW	Level 2	Yes
016B	5	K19/Gas/750MW	Level 3	Yes
017B	14	K19/C30/750MW	Level 2	Yes
018B	14	K19/C30/750MW	Level 3	Yes
019B	2	K23/Gas	Base	No

039B	6	K19/Gas/750MW	Level 2	No
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Manitoba Hydro View				
Table		Plan	DSM	Pipeline
020B	1	All Gas	Base	No
021B	1	All Gas	Level 1	No
022B	1	All Gas	Level 2	No
023B	1	All Gas	Level 3	No
024B	5	K19/Gas/750MW	Base	No
025B	5	K19/Gas/750MW	Level 1	No
026B	5	K19/Gas/750MW	Level 2	No
027B	5	K19/Gas/750MW	Level 3	No
028B	14	K19/C26/750MW	Base	No
029B	14	K19/C30/750MW	Level 1	No
030B	14	K19/C31/750MW	Level 2	No
031B	14	K19/C33/750MW	Level 3	No
032B	1	All Gas	Level 2	Yes
033B	1	All Gas	Level 3	Yes
034B	5	K19/Gas/750MW	Level 2	Yes
035B	5	K19/Gas/750MW	Level 3	Yes
036B	14	K19/C30/750MW	Level 2	Yes
037B	14	K19/C30/750MW	Level 3	Yes
038B	2	K23/Gas	Base	No

040B	6	K19/Gas/750MW	Level 2	No
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Plan 1: All Gas
DSM Base

TABLE 001B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)									Net Average Flow Related Revenue (Millions of 2014\$)					
	Conawapa	Keyask	Thermal	Wind	Transmission		DSM	Total	Capital	Fixed	Gross	Water	Thermal	Power	Net
	GS	GS	GS	GS	GOT	US T/L	Capital	Capital	Taxes	O&M	Revenue	Rental	Burn	Purchases	Revenue
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	48.54	0.00	0.00	0.00	0.00	36.23	84.77	0.39	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	36.56	36.56	0.54	0.91	334.36	101.69	23.90	101.36	107.40
2016	0.00	0.00	0.00	0.00	0.00	0.00	34.97	34.97	0.68	0.91	365.20	99.77	25.10	107.75	132.58
2017	0.00	0.00	0.00	0.00	0.00	0.00	32.80	32.80	0.81	0.91	402.99	98.00	25.84	112.44	166.71
2018	0.00	0.00	0.00	0.00	0.00	0.00	32.18	32.18	0.89	0.91	403.41	95.23	28.34	117.96	161.87
2019	0.00	0.00	0.00	0.00	0.00	0.00	28.32	28.32	0.97	0.91	390.97	93.27	26.37	120.40	150.93
2020	0.00	0.00	0.00	0.00	0.00	0.00	28.36	28.36	1.03	0.91	408.37	92.58	22.63	125.56	167.61
2021	0.00	0.00	71.22	0.00	0.00	0.00	28.35	99.57	1.46	0.91	399.63	90.89	21.57	129.04	158.13
2022	0.00	0.00	97.27	0.00	9.06	0.00	28.42	134.76	2.05	0.91	404.70	90.12	19.86	132.57	162.15
2023	0.00	0.00	14.76	0.00	0.00	0.00	29.17	43.93	2.20	4.88	407.71	88.50	32.80	136.27	150.14
2024	0.00	0.00	0.00	0.00	0.00	0.00	27.67	27.67	2.26	4.88	399.68	86.90	35.87	142.68	134.24
2025	0.00	0.00	0.00	0.00	0.00	0.00	17.91	17.91	2.32	4.88	315.68	84.48	28.49	138.45	64.25
2026	0.00	0.00	0.00	0.00	0.00	0.00	16.11	16.11	2.38	4.88	294.56	82.39	32.75	144.20	35.22
2027	0.00	0.00	73.39	0.00	0.00	0.00	17.49	90.87	2.80	4.88	279.98	80.73	37.77	148.08	13.39
2028	0.00	0.00	173.98	0.00	71.36	0.00	9.74	255.08	4.05	4.88	294.55	81.53	33.05	144.95	35.02
2029	0.00	0.00	268.73	0.00	0.00	0.00	9.59	278.32	5.42	8.88	278.99	79.32	49.23	153.31	-2.87
2030	0.00	0.00	236.03	0.00	0.00	0.00	9.45	245.48	6.63	12.85	277.00	78.04	78.04	147.08	-21.50
2031	0.00	0.00	98.87	0.00	9.06	0.00	9.37	117.30	7.19	12.85	274.96	76.86	85.64	152.34	-39.88
2032	0.00	0.00	7.27	0.00	0.00	0.00	9.36	16.63	7.26	19.96	308.79	75.20	137.99	141.40	-45.80
2033	0.00	0.00	0.00	0.00	0.00	0.00	9.22	9.22	7.28	19.97	286.26	72.83	157.02	151.12	-94.71
2034	0.00	0.00	75.99	0.00	0.00	0.00	9.16	85.15	7.69	19.98	285.16	72.05	165.48	154.27	-106.64
2035	0.00	0.00	103.79	0.00	60.03	0.00	9.11	172.93	8.53	19.98	271.54	70.87	174.90	157.49	-131.72
2036	0.00	0.00	173.97	0.00	0.00	0.00	9.09	183.06	9.43	23.98	262.39	69.42	197.38	161.97	-166.37
2037	0.00	0.00	228.59	0.00	0.00	0.00	9.07	237.66	10.60	23.98	250.74	68.08	213.18	167.81	-198.33
2038	0.00	0.00	102.38	0.00	0.00	0.00	2.72	105.10	11.11	23.98	242.90	66.98	232.19	170.76	-27.03
2039	0.00	0.00	7.53	0.00	0.00	0.00	2.70	10.23	11.15	31.09	261.95	65.65	273.66	166.14	-243.50
2040	0.00	0.00	0.00	0.00	0.00	0.00	2.70	2.70	11.15	31.10	247.16	64.26	291.01	171.97	-280.09
2041	0.00	0.00	78.69	0.00	0.00	0.00	2.70	81.39	11.54	31.10	232.17	63.04	306.76	176.73	-314.36
2042	0.00	0.00	107.48	0.00	60.03	0.00	2.70	170.21	12.38	31.11	224.19	61.97	324.68	181.53	-343.99
2043	0.00	0.00	16.30	0.00	0.00	0.00	28.88	45.18	12.46	35.11	216.59	60.77	347.68	187.36	-379.21
2044	0.00	0.00	79.88	0.00	0.00	0.00	27.43	107.31	12.86	35.11	207.72	59.63	365.62	193.28	-410.82
2045	0.00	0.00	109.10	0.00	0.00	0.00	18.78	127.87	13.41	35.11	200.39	58.58	386.81	197.11	-442.11
2046	0.00	0.00	16.55	0.00	0.00	0.00	16.33	32.88	13.49	39.09	194.29	57.45	412.32	200.50	-475.98
2047	0.00	0.00	0.00	0.00	0.00	0.00	15.52	15.52	13.49	39.09	192.43	56.92	420.43	200.29	-485.22
2048	0.00	0.00	0.00	0.00	0.00	0.00	14.70	14.70	13.49	39.10	179.65	55.40	452.97	205.76	-534.47
2049	0.00	0.00	0.00	0.00	0.00	0.00	13.63	13.63	13.49	39.10	188.79	56.59	428.57	202.18	-498.56
2050	0.00	0.00	0.00	0.00	0.00	0.00	13.25	13.25	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2051	0.00	0.00	71.22	0.00	0.00	0.00	12.92	84.14	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2052	0.00	0.00	97.27	0.00	0.00	0.00	11.38	108.65	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2053	0.00	0.00	14.76	0.00	0.00	0.00	10.65	25.40	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2054	0.00	0.00	0.00	0.00	0.00	0.00	9.97	9.97	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2055	0.00	0.00	0.00	0.00	0.00	0.00	9.42	9.42	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2056	0.00	0.00	0.00	0.00	0.00	0.00	9.43	9.43	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2057	0.00	0.00	73.39	0.00	9.06	0.00	10.00	92.45	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2058	0.00	0.00	173.98	0.00	0.00	0.00	17.94	191.92	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2059	0.00	0.00	268.73	0.00	0.00	0.00	15.09	283.83	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2060	0.00	0.00	236.03	0.00	0.00	0.00	15.65	251.68	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2061	0.00	0.00	98.87	0.00	0.00	0.00	13.66	112.53	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2062	0.00	0.00	7.27	0.00	0.00	0.00	13.40	20.67	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2063	0.00	0.00	0.00	0.00	53.52	0.00	20.72	74.24	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2064	0.00	0.00	75.99	0.00	0.00	0.00	21.99	97.99	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2065	0.00	0.00	103.79	0.00	0.00	0.00	12.52	116.31	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2066	0.00	0.00	173.97	0.00	9.06	0.00	11.30	194.33	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2067	0.00	0.00	228.59	0.00	0.00	0.00	11.36	239.95	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2068	0.00	0.00	102.38	0.00	0.00	0.00	13.45	115.83	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2069	0.00	0.00	7.53	0.00	0.00	0.00	9.76	17.29	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2070	0.00	0.00	0.00	0.00	45.02	0.00	9.00	54.02	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2071	0.00	0.00	78.69	0.00	0.00	0.00	10.37	89.06	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2072	0.00	0.00	107.48	0.00	0.00	0.00	10.36	117.84	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2073	0.00	0.00	16.30	0.00	0.00	0.00	19.58	35.88	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2074	0.00	0.00	79.88	0.00	0.00	0.00	17.86	97.74	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2075	0.00	0.00	109.10	0.00	0.00	0.00	18.35	127.45	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2076	0.00	0.00	16.55	0.00	0.00	0.00	15.88	32.43	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2077	0.00	0.00	0.00	0.00	45.02	0.00	15.30	60.32	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2078	0.00	0.00	0.00	0.00	17.84	0.00	15.17	33.01	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2079	0.00	0.00	0.00	0.00	0.00	0.00	14.10	14.10	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2080	0.00	0.00	0.00	0.00	0.00	0.00	11.12	11.12	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2081	0.00	0.00	71.22	0.00	0.00	0.00	10.89	82.12	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2082	0.00	0.00	97.27	0.00	0.00	0.00	10.70	107.97	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2083	0.00	0.00	14.76	0.00	0.00	0.00	18.46	33.22	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2084	0.00	0.00	0.00	0.00	0.00	0.00	18.15	18.15	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2085	0.00	0.00	0.00	0.00	15.01	0.00	10.86	25.87	13.49	39.11	188.79	56.59	428.57	202.18	-498.56
2086	0.00	0.00	0.00	0.00	0.00	0.00	10.73								

TABLE 002B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

FYB	Capital and Related Costs (Millions of 2014\$)									Net Average Flow Related Revenue (Millions of 2014\$)					
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	48.54	0.00	0.00	0.00	0.00	91.60	140.15	0.55	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	105.12	105.12	0.87	0.91	339.72	101.65	24.02	101.27	112.78
2016	0.00	0.00	0.00	0.00	0.00	0.00	112.14	112.14	1.20	0.91	375.07	99.73	25.27	107.20	142.87
2017	0.00	0.00	0.00	0.00	0.00	0.00	97.91	97.91	1.48	0.91	417.57	97.97	25.99	111.81	181.81
2018	0.00	0.00	0.00	0.00	0.00	0.00	95.40	95.40	1.71	0.91	423.36	95.20	28.54	116.97	182.64
2019	0.00	0.00	0.00	0.00	0.00	0.00	87.97	87.97	1.93	0.91	414.97	93.25	26.56	119.29	175.87
2020	0.00	0.00	0.00	0.00	0.00	0.00	77.58	77.58	2.12	0.91	437.95	92.70	22.29	123.56	199.39
2021	0.00	0.00	0.00	0.00	0.00	0.00	70.02	70.02	2.28	0.91	428.32	90.89	21.65	125.78	190.00
2022	0.00	0.00	0.00	0.00	0.00	0.00	97.37	97.37	2.44	0.91	420.31	89.14	22.85	128.92	179.40
2023	0.00	0.00	0.00	0.00	0.00	0.00	96.22	96.22	2.60	0.91	415.36	87.54	23.76	134.08	169.98
2024	0.00	0.00	0.00	0.00	0.00	0.00	96.22	96.22	2.76	0.91	409.18	85.79	24.78	140.81	157.80
2025	0.00	0.00	0.00	0.00	0.00	0.00	88.26	88.26	2.92	0.91	344.71	84.05	20.96	133.72	105.97
2026	0.00	0.00	73.02	0.00	0.00	0.00	88.87	161.89	3.44	0.91	347.22	83.49	19.83	133.88	110.01
2027	0.00	0.00	99.73	0.00	9.06	0.00	88.81	197.60	4.15	0.91	332.49	82.47	15.46	132.48	102.08
2028	0.00	0.00	15.13	0.00	0.00	0.00	83.15	98.28	4.28	4.88	307.73	79.43	32.39	138.44	57.47
2029	0.00	0.00	74.12	0.00	0.00	0.00	84.11	158.23	4.70	4.88	295.17	77.84	36.27	142.76	38.29
2030	0.00	0.00	101.23	0.00	71.36	0.00	85.77	258.36	5.61	4.88	308.40	78.36	33.59	135.86	60.58
2031	0.00	0.00	15.36	0.00	0.00	0.00	83.37	98.73	5.73	8.88	299.26	76.30	50.20	143.67	29.09
2032	0.00	0.00	0.00	0.00	0.00	0.00	81.77	81.77	5.78	8.88	283.72	74.48	58.51	150.25	0.49
2033	0.00	0.00	75.62	0.00	0.00	0.00	87.96	163.57	6.20	8.88	273.30	73.01	66.53	155.57	-21.81
2034	0.00	0.00	103.27	0.00	0.00	0.00	93.17	196.44	6.77	8.88	282.39	72.86	66.41	154.60	-11.49
2035	0.00	0.00	15.67	0.00	0.00	0.00	96.44	112.11	6.89	12.86	262.47	70.48	91.81	161.59	-61.40
2036	0.00	0.00	158.23	0.00	0.00	0.00	100.85	259.08	7.74	12.87	250.67	69.05	103.96	166.51	-88.84
2037	0.00	0.00	228.59	0.00	0.00	0.00	97.17	325.76	8.90	12.87	239.93	67.70	118.09	171.83	-117.70
2038	0.00	0.00	102.38	0.00	9.06	0.00	93.51	204.95	9.46	12.88	246.63	67.59	122.17	168.57	-111.70
2039	0.00	0.00	7.53	0.00	0.00	0.00	90.35	97.88	9.50	19.99	268.22	65.79	168.82	165.64	-132.04
2040	0.00	0.00	0.00	0.00	0.00	0.00	81.88	81.88	9.51	19.99	248.99	64.14	182.90	172.74	-170.79
2041	0.00	0.00	162.22	0.00	0.00	0.00	75.78	238.01	10.32	19.99	229.16	62.67	195.11	178.23	-206.85
2042	0.00	0.00	234.36	0.00	0.00	0.00	76.30	310.66	11.49	19.99	218.40	61.50	207.52	183.28	-233.90
2043	0.00	0.00	104.97	0.00	60.03	0.00	43.28	208.28	12.32	19.99	219.61	61.09	217.63	184.58	-243.69
2044	0.00	0.00	7.72	0.00	0.00	0.00	46.29	54.01	12.36	27.11	246.78	59.72	269.77	172.84	-255.55
2045	0.00	0.00	0.00	0.00	0.00	0.00	39.87	39.87	12.36	27.11	223.80	57.73	296.87	185.17	-315.97
2046	0.00	0.00	35.49	0.00	0.00	0.00	37.60	73.09	12.54	27.11	224.75	57.56	294.79	184.29	-311.89
2047	0.00	0.00	48.47	0.00	0.00	0.00	36.27	84.74	12.78	27.11	214.80	56.38	319.28	189.44	-350.30
2048	0.00	0.00	7.35	0.00	0.00	0.00	35.88	43.24	12.82	28.45	205.01	55.24	339.54	193.79	-383.56
2049	0.00	0.00	0.00	0.00	0.00	0.00	31.65	31.65	12.82	28.46	214.85	56.39	317.87	189.17	-348.58
2050	0.00	0.00	0.00	0.00	0.00	0.00	30.30	30.30	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2051	0.00	0.00	0.00	0.00	0.00	0.00	29.87	29.87	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2052	0.00	0.00	0.00	0.00	0.00	0.00	29.76	29.76	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2053	0.00	0.00	0.00	0.00	0.00	0.00	30.97	30.97	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2054	0.00	0.00	0.00	0.00	0.00	0.00	38.26	38.26	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2055	0.00	0.00	0.00	0.00	0.00	0.00	42.93	42.93	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2056	0.00	0.00	73.02	0.00	0.00	0.00	47.45	120.48	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2057	0.00	0.00	99.73	0.00	0.00	0.00	51.10	150.83	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2058	0.00	0.00	15.13	0.00	0.00	0.00	60.63	75.75	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2059	0.00	0.00	74.12	0.00	0.00	0.00	59.97	134.09	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2060	0.00	0.00	101.23	0.00	0.00	0.00	51.82	153.05	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2061	0.00	0.00	15.36	0.00	0.00	0.00	42.89	58.24	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2062	0.00	0.00	0.00	0.00	9.06	0.00	33.68	42.74	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2063	0.00	0.00	75.62	0.00	0.00	0.00	35.48	111.10	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2064	0.00	0.00	103.27	0.00	0.00	0.00	36.92	140.19	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2065	0.00	0.00	15.67	0.00	53.52	0.00	29.57	98.75	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2066	0.00	0.00	158.23	0.00	0.00	0.00	31.90	190.13	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2067	0.00	0.00	228.59	0.00	0.00	0.00	30.62	259.21	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2068	0.00	0.00	102.38	0.00	0.00	0.00	29.77	132.15	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2069	0.00	0.00	7.53	0.00	0.00	0.00	29.81	37.34	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2070	0.00	0.00	0.00	0.00	0.00	0.00	30.22	30.22	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2071	0.00	0.00	162.22	0.00	0.00	0.00	30.39	192.61	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2072	0.00	0.00	234.36	0.00	0.00	0.00	35.98	270.34	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2073	0.00	0.00	104.97	0.00	9.06	0.00	56.56	170.58	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2074	0.00	0.00	7.72	0.00	0.00	0.00	69.55	77.27	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2075	0.00	0.00	0.00	0.00	0.00	0.00	76.60	76.60	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2076	0.00	0.00	35.49	0.00	0.00	0.00	77.35	112.84	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2077	0.00	0.00	48.47	0.00	0.00	0.00	80.06	128.53	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2078	0.00	0.00	7.35	0.00	45.02	0.00	73.00	125.38	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2079	0.00	0.00	0.00	0.00	0.00	0.00	63.38	63.38	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2080	0.00	0.00	0.00	0.00	17.84	0.00	52.61	70.45	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2081	0.00	0.00	0.00	0.00	0.00	0.00	45.01	45.01	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2082	0.00	0.00	0.00	0.00	0.00	0.00	44.15	44.15	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2083	0.00	0.00	0.00	0.00	0.00	0.00	42.56	42.56	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2084	0.00	0.00	0.00	0.00	0.00	0.00	42.09	42.09	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2085	0.00	0.00	0.00	0.00	0.00	0.00	33.31	33.31	12.82	28.47	214.85	56.39	317.87	189.17	-348.58
2086	0.00	0.00	73.02	0.00	0.00	0.00</									

Plan 1: All Gas
DSM Level 2

TABLE 003B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)									Net Average Flow Related Revenue (Millions of 2014\$)					
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	48.54	0.00	0.00	0.00	0.00	114.79	163.33	0.60	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	130.13	130.13	0.98	0.91	346.02	101.55	24.42	100.65	119.40
2016	0.00	0.00	0.00	0.00	0.00	0.00	276.16	276.16	1.58	0.91	398.39	99.53	25.86	105.98	167.02
2017	0.00	0.00	0.00	0.00	0.00	0.00	164.09	164.09	1.98	0.91	451.52	97.90	26.42	109.83	217.38
2018	0.00	0.00	0.00	0.00	0.00	0.00	164.00	164.00	2.35	0.91	472.23	95.09	29.10	114.07	233.96
2019	0.00	0.00	0.00	0.00	0.00	0.00	138.28	138.28	2.64	0.91	472.39	93.13	27.12	116.14	235.99
2020	0.00	0.00	0.00	0.00	0.00	0.00	105.49	105.49	2.86	0.91	502.08	92.57	22.85	120.15	266.50
2021	0.00	0.00	0.00	0.00	0.00	0.00	84.64	84.64	3.04	0.91	496.05	90.77	21.98	121.94	261.36
2022	0.00	0.00	0.00	0.00	0.00	0.00	112.02	112.02	3.22	0.91	492.87	89.14	22.95	124.54	256.23
2023	0.00	0.00	0.00	0.00	0.00	0.00	111.43	111.43	3.40	0.91	490.77	87.64	23.20	128.65	251.28
2024	0.00	0.00	0.00	0.00	0.00	0.00	112.19	112.19	3.59	0.91	470.49	85.59	24.48	131.63	228.78
2025	0.00	0.00	0.00	0.00	0.00	0.00	102.83	102.83	3.76	0.91	417.33	83.79	22.01	127.31	184.21
2026	0.00	0.00	0.00	0.00	0.00	0.00	103.35	103.35	3.93	0.91	418.96	82.86	22.83	128.77	184.50
2027	0.00	0.00	0.00	0.00	0.00	0.00	103.31	103.31	4.10	0.91	389.67	81.05	21.00	128.92	158.69
2028	0.00	0.00	0.00	0.00	0.00	0.00	96.92	96.92	4.16	0.91	371.62	79.25	23.54	132.49	136.34
2029	0.00	0.00	74.12	0.00	0.00	0.00	97.87	172.00	4.58	0.91	363.32	78.34	22.53	132.11	130.33
2030	0.00	0.00	101.23	0.00	9.06	0.00	99.54	209.83	5.19	0.91	353.32	78.16	16.23	124.90	134.04
2031	0.00	0.00	15.36	0.00	0.00	0.00	101.93	117.29	5.32	4.88	341.27	76.06	29.98	129.24	106.00
2032	0.00	0.00	0.00	0.00	0.00	0.00	100.51	100.51	5.37	4.88	323.13	74.34	34.68	132.43	81.68
2033	0.00	0.00	75.62	0.00	0.00	0.00	106.89	182.50	5.80	4.88	312.39	72.87	38.88	138.10	62.53
2034	0.00	0.00	103.27	0.00	71.36	0.00	112.28	286.92	6.73	4.88	323.59	72.80	36.12	137.31	77.35
2035	0.00	0.00	15.67	0.00	0.00	0.00	115.74	131.41	6.86	8.88	303.43	70.42	54.29	146.35	32.38
2036	0.00	0.00	0.00	0.00	0.00	0.00	163.63	163.63	6.91	8.88	288.78	68.84	62.03	153.18	4.72
2037	0.00	0.00	77.14	0.00	0.00	0.00	119.48	196.62	7.33	8.88	275.59	67.47	70.95	159.15	-21.97
2038	0.00	0.00	105.35	0.00	0.00	0.00	115.82	221.17	7.86	8.88	279.63	67.22	70.61	156.99	-15.19
2039	0.00	0.00	176.59	0.00	0.00	0.00	129.62	306.21	8.75	12.86	257.07	65.07	96.66	171.61	-76.27
2040	0.00	0.00	232.03	0.00	0.00	0.00	121.15	353.19	9.92	12.87	248.45	64.07	109.20	173.48	-98.30
2041	0.00	0.00	103.92	0.00	9.06	0.00	115.05	228.04	10.49	12.87	242.70	63.35	116.62	174.23	-111.49
2042	0.00	0.00	7.64	0.00	0.00	0.00	115.57	123.21	10.54	19.99	270.47	61.92	163.99	163.18	-118.61
2043	0.00	0.00	0.00	0.00	0.00	0.00	82.55	82.55	10.54	19.99	254.60	60.54	177.59	171.15	-154.68
2044	0.00	0.00	0.00	0.00	0.00	0.00	68.40	68.40	10.55	19.99	239.12	59.21	190.42	179.28	-189.78
2045	0.00	0.00	80.28	0.00	0.00	0.00	61.98	142.25	10.95	19.99	225.03	58.07	202.85	184.38	-220.27
2046	0.00	0.00	109.64	0.00	60.03	0.00	59.70	229.38	11.81	19.99	222.54	57.42	217.84	186.14	-238.86
2047	0.00	0.00	16.63	0.00	0.00	0.00	58.38	75.01	11.90	23.98	218.11	56.35	248.09	188.28	-274.61
2048	0.00	0.00	0.00	0.00	0.00	0.00	57.99	57.99	11.90	23.98	206.84	55.19	267.05	193.48	-308.88
2049	0.00	0.00	0.00	0.00	0.00	0.00	53.55	53.55	11.90	23.98	215.83	56.32	244.33	189.30	-274.12
2050	0.00	0.00	0.00	0.00	0.00	0.00	52.20	52.20	11.90	23.98	215.83	56.32	244.33	189.30	-274.12
2051	0.00	0.00	0.00	0.00	0.00	0.00	51.77	51.77	11.90	23.99	215.83	56.32	244.33	189.30	-274.12
2052	0.00	0.00	0.00	0.00	0.00	0.00	51.66	51.66	11.90	23.99	215.83	56.32	244.33	189.30	-274.12
2053	0.00	0.00	0.00	0.00	0.00	0.00	52.87	52.87	11.90	24.00	215.83	56.32	244.33	189.30	-274.12
2054	0.00	0.00	0.00	0.00	0.00	0.00	60.16	60.16	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2055	0.00	0.00	0.00	0.00	0.00	0.00	64.83	64.83	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2056	0.00	0.00	0.00	0.00	0.00	0.00	109.83	109.83	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2057	0.00	0.00	0.00	0.00	0.00	0.00	73.00	73.00	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2058	0.00	0.00	0.00	0.00	0.00	0.00	82.53	82.53	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2059	0.00	0.00	74.12	0.00	0.00	0.00	81.67	155.79	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2060	0.00	0.00	101.23	0.00	0.00	0.00	73.51	174.75	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2061	0.00	0.00	15.36	0.00	0.00	0.00	64.58	79.94	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2062	0.00	0.00	0.00	0.00	0.00	0.00	55.38	55.38	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2063	0.00	0.00	75.62	0.00	0.00	0.00	57.18	132.79	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2064	0.00	0.00	103.27	0.00	0.00	0.00	58.61	161.89	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2065	0.00	0.00	15.67	0.00	9.06	0.00	68.43	93.16	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2066	0.00	0.00	0.00	0.00	0.00	0.00	70.76	70.76	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2067	0.00	0.00	77.14	0.00	0.00	0.00	69.49	146.63	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2068	0.00	0.00	105.35	0.00	0.00	0.00	68.63	173.99	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2069	0.00	0.00	176.59	0.00	53.52	0.00	68.46	298.58	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2070	0.00	0.00	232.03	0.00	0.00	0.00	51.71	283.74	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2071	0.00	0.00	103.92	0.00	0.00	0.00	51.88	155.80	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2072	0.00	0.00	7.64	0.00	0.00	0.00	57.47	65.11	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2073	0.00	0.00	0.00	0.00	0.00	0.00	78.05	78.05	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2074	0.00	0.00	0.00	0.00	0.00	0.00	91.04	91.04	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2075	0.00	0.00	80.28	0.00	0.00	0.00	98.09	178.37	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2076	0.00	0.00	109.64	0.00	9.06	0.00	139.32	258.02	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2077	0.00	0.00	16.63	0.00	0.00	0.00	101.55	118.18	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2078	0.00	0.00	0.00	0.00	0.00	0.00	94.50	94.50	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2079	0.00	0.00	0.00	0.00	0.00	0.00	84.87	84.87	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2080	0.00	0.00	0.00	0.00	0.00	0.00	74.10	74.10	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2081	0.00	0.00	0.00	0.00	45.02	0.00	66.50	111.53	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2082	0.00	0.00	0.00	0.00	0.00	0.00	65.64	65.64	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2083	0.00	0.00	0.00	0.00	0.00	0.00	64.06	64.06	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2084	0.00	0.00	0.00	0.00	17.84	0.00	63.58	81.42	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2085	0.00	0.00	0.00	0.00	0.00	0.00	54.80	54.80	11.90	24.01	215.83	56.32	244.33	189.30	-274.12
2086	0.00	0.00	0.00	0.00											

TABLE 004B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

FYB	Capital and Related Costs (Millions of 2014\$)									Net Average Flow Related Revenue (Millions of 2014\$)					
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	48.54	0.00	0.00	0.00	0.00	142.06	190.60	0.78	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	163.59	163.59	1.38	0.91	347.82	101.54	24.32	100.54	121.43
2016	0.00	0.00	0.00	0.00	0.00	0.00	314.25	314.25	2.23	0.91	402.46	99.52	25.96	105.92	171.06
2017	0.00	0.00	0.00	0.00	0.00	0.00	206.32	206.32	2.91	0.91	457.83	97.87	26.43	109.50	224.03
2018	0.00	0.00	0.00	0.00	0.00	0.00	205.66	205.66	3.56	0.91	482.23	95.08	29.07	113.57	244.50
2019	0.00	0.00	0.00	0.00	0.00	0.00	176.56	176.56	4.10	0.91	484.97	93.12	27.12	115.43	249.29
2020	0.00	0.00	0.00	0.00	0.00	0.00	144.12	144.12	4.58	0.91	517.17	92.52	22.84	119.38	282.44
2021	0.00	0.00	0.00	0.00	0.00	0.00	123.49	123.49	5.02	0.91	514.54	90.73	21.92	121.04	280.84
2022	0.00	0.00	0.00	0.00	0.00	0.00	150.98	150.98	5.45	0.91	514.67	89.11	22.94	123.59	279.03
2023	0.00	0.00	0.00	0.00	0.00	0.00	150.08	150.08	5.89	0.91	516.18	87.61	23.12	127.50	277.95
2024	0.00	0.00	0.00	0.00	0.00	0.00	148.24	148.24	6.31	0.91	498.50	85.55	24.35	130.19	258.40
2025	0.00	0.00	0.00	0.00	0.00	0.00	138.36	138.36	6.73	0.91	446.50	83.75	21.90	124.85	216.01
2026	0.00	0.00	0.00	0.00	0.00	0.00	139.16	139.16	7.14	0.91	451.33	82.83	22.60	126.21	219.68
2027	0.00	0.00	0.00	0.00	0.00	0.00	138.28	138.28	7.54	0.91	425.03	81.01	20.98	126.29	196.74
2028	0.00	0.00	0.00	0.00	0.00	0.00	112.70	112.70	7.63	0.91	408.07	79.15	23.51	129.44	175.97
2029	0.00	0.00	0.00	0.00	0.00	0.00	119.18	119.18	7.68	0.91	392.68	77.56	25.41	132.45	157.27
2030	0.00	0.00	0.00	0.00	0.00	0.00	122.86	122.86	7.74	0.91	379.86	77.21	20.79	123.54	158.32
2031	0.00	0.00	74.87	0.00	0.00	0.00	128.33	203.20	8.16	0.91	367.91	75.99	20.01	125.31	146.59
2032	0.00	0.00	102.25	0.00	9.06	0.00	128.97	240.28	8.77	0.91	358.21	75.25	16.62	124.53	141.81
2033	0.00	0.00	15.51	0.00	0.00	0.00	137.31	152.82	8.90	4.88	343.63	73.18	31.38	128.05	111.02
2034	0.00	0.00	0.00	0.00	0.00	0.00	140.45	140.45	8.95	4.88	327.49	71.35	36.99	134.86	84.29
2035	0.00	0.00	76.37	0.00	0.00	0.00	144.46	220.83	9.39	4.88	314.78	69.92	40.81	139.71	64.35
2036	0.00	0.00	104.31	0.00	71.36	0.00	192.51	368.18	10.32	4.88	322.27	69.74	39.26	140.01	73.25
2037	0.00	0.00	15.82	0.00	0.00	0.00	148.55	164.37	10.43	8.88	303.95	67.71	57.05	148.49	30.69
2038	0.00	0.00	77.53	0.00	0.00	0.00	144.58	222.11	10.83	8.88	291.13	66.40	64.55	153.91	6.27
2039	0.00	0.00	105.88	0.00	0.00	0.00	157.41	263.29	11.36	8.88	286.79	65.72	67.32	161.47	-7.72
2040	0.00	0.00	16.06	0.00	0.00	0.00	149.08	165.14	11.45	12.85	267.63	63.94	88.05	167.01	-51.36
2041	0.00	0.00	162.22	0.00	0.00	0.00	143.03	305.25	12.27	12.86	241.02	62.09	102.49	175.34	-98.90
2042	0.00	0.00	234.36	0.00	0.00	0.00	143.17	377.53	13.45	12.87	237.16	61.28	115.37	177.95	-117.44
2043	0.00	0.00	104.97	0.00	9.06	0.00	102.14	216.17	14.02	12.87	242.60	61.04	119.51	178.94	-116.89
2044	0.00	0.00	7.72	0.00	0.00	0.00	93.83	101.55	14.07	19.99	266.88	59.60	167.10	168.79	-128.81
2045	0.00	0.00	0.00	0.00	0.00	0.00	89.01	89.01	14.07	19.99	250.56	58.22	183.03	176.06	-166.75
2046	0.00	0.00	35.49	0.00	0.00	0.00	89.07	124.56	14.26	19.99	230.92	56.73	199.65	184.32	-209.77
2047	0.00	0.00	48.47	0.00	60.03	0.00	89.75	198.26	14.80	19.99	230.16	56.23	213.29	184.29	-223.64
2048	0.00	0.00	7.35	0.00	0.00	0.00	90.93	98.28	14.85	21.34	220.08	55.09	233.06	188.88	-256.95
2049	0.00	0.00	0.00	0.00	0.00	0.00	83.74	83.74	14.85	21.34	227.05	56.02	215.33	185.83	-230.12
2050	0.00	0.00	0.00	0.00	0.00	0.00	82.48	82.48	14.85	21.34	227.05	56.02	215.33	185.83	-230.12
2051	0.00	0.00	0.00	0.00	0.00	0.00	82.15	82.15	14.85	21.34	227.05	56.02	215.33	185.83	-230.12
2052	0.00	0.00	0.00	0.00	0.00	0.00	82.14	82.14	14.85	21.34	227.05	56.02	215.33	185.83	-230.12
2053	0.00	0.00	0.00	0.00	0.00	0.00	82.77	82.77	14.85	21.35	227.05	56.02	215.33	185.83	-230.12
2054	0.00	0.00	0.00	0.00	0.00	0.00	88.57	88.57	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2055	0.00	0.00	0.00	0.00	0.00	0.00	93.30	93.30	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2056	0.00	0.00	0.00	0.00	0.00	0.00	138.68	138.68	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2057	0.00	0.00	0.00	0.00	0.00	0.00	100.99	100.99	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2058	0.00	0.00	0.00	0.00	0.00	0.00	98.41	98.41	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2059	0.00	0.00	0.00	0.00	0.00	0.00	103.23	103.23	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2060	0.00	0.00	0.00	0.00	0.00	0.00	97.28	97.28	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2061	0.00	0.00	74.87	0.00	0.00	0.00	90.67	165.53	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2062	0.00	0.00	102.25	0.00	0.00	0.00	83.88	186.13	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2063	0.00	0.00	15.51	0.00	0.00	0.00	87.70	103.21	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2064	0.00	0.00	0.00	0.00	0.00	0.00	86.79	86.79	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2065	0.00	0.00	76.37	0.00	0.00	0.00	98.52	174.90	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2066	0.00	0.00	104.31	0.00	0.00	0.00	102.64	206.95	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2067	0.00	0.00	15.82	0.00	9.06	0.00	101.71	126.59	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2068	0.00	0.00	77.53	0.00	0.00	0.00	97.66	175.19	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2069	0.00	0.00	105.88	0.00	0.00	0.00	96.25	202.13	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2070	0.00	0.00	16.06	0.00	0.00	0.00	79.41	95.47	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2071	0.00	0.00	162.22	0.00	53.52	0.00	80.24	295.99	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2072	0.00	0.00	234.36	0.00	0.00	0.00	85.40	319.76	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2073	0.00	0.00	104.97	0.00	0.00	0.00	97.88	202.84	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2074	0.00	0.00	7.72	0.00	0.00	0.00	116.18	123.90	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2075	0.00	0.00	0.00	0.00	0.00	0.00	125.34	125.34	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2076	0.00	0.00	35.49	0.00	0.00	0.00	169.50	204.99	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2077	0.00	0.00	48.47	0.00	0.00	0.00	132.90	181.37	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2078	0.00	0.00	7.35	0.00	9.06	0.00	126.89	143.31	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2079	0.00	0.00	0.00	0.00	0.00	0.00	114.51	114.51	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2080	0.00	0.00	0.00	0.00	0.00	0.00	103.91	103.91	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2081	0.00	0.00	0.00	0.00	0.00	0.00	96.38	96.38	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2082	0.00	0.00	0.00	0.00	45.02	0.00	84.61	129.63	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2083	0.00	0.00	0.00	0.00	0.00	0.00	93.93	93.93	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2084	0.00	0.00	0.00	0.00	0.00	0.00	91.95	91.95	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2085	0.00	0.00	0.00	0.00	0.00	0.00	83.19	83.19	14.85	21.36	227.05	56.02	215.33	185.83	-230.12
2086	0.00														

TABLE 005B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	36.23	449.76	2.22	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	658.31	0.00	0.00	9.06	6.51	36.56	710.43	5.73	0.91	333.25	101.70	23.87	101.44	106.24
2016	0.00	727.23	0.00	0.00	16.18	29.23	34.97	807.62	9.74	0.91	362.01	99.78	25.14	107.92	129.16
2017	0.00	891.38	0.00	0.00	29.74	92.74	32.80	1046.67	14.94	0.91	396.39	97.86	26.36	113.24	158.94
2018	0.00	510.95	0.00	0.00	42.34	112.47	32.18	697.95	18.35	0.91	395.36	95.28	28.20	118.06	153.81
2019	0.00	258.48	0.00	0.00	39.84	69.80	28.32	396.43	20.26	17.46	420.72	95.13	27.01	118.04	180.53
2020	0.00	136.75	0.00	0.00	0.01	217.46	28.36	382.59	22.10	51.79	659.87	102.82	20.75	126.64	409.66
2021	0.00	59.24	0.00	0.00	0.00	0.40	28.35	87.99	22.47	50.00	737.32	103.33	21.47	136.24	476.28
2022	0.00	0.00	0.00	0.00	0.00	0.00	28.42	28.43	22.53	48.72	739.93	101.79	22.29	140.00	475.84
2023	0.00	0.00	0.00	0.00	0.00	0.00	29.17	29.17	22.60	46.76	727.66	99.75	21.84	146.22	459.86
2024	0.00	0.00	72.30	0.00	0.00	0.00	27.67	99.97	23.03	44.97	712.42	97.92	22.66	149.78	442.08
2025	0.00	0.00	98.74	0.00	9.06	0.00	17.91	125.71	23.63	43.24	670.79	98.49	13.31	136.95	422.03
2026	0.00	0.00	14.98	0.00	0.00	0.00	16.11	31.09	23.76	45.37	669.06	95.43	24.99	148.78	399.87
2027	0.00	0.00	73.39	0.00	0.00	0.00	17.49	90.87	24.18	44.01	644.67	93.46	23.74	151.66	375.81
2028	0.00	0.00	173.98	0.00	71.36	0.00	9.74	255.08	25.43	42.72	628.92	92.07	23.04	157.28	356.52
2029	0.00	0.00	115.93	0.00	0.00	0.00	9.59	125.53	26.03	48.08	607.52	89.88	33.62	164.09	319.93
2030	0.00	0.00	15.28	0.00	0.00	0.00	9.45	24.73	26.14	46.86	595.05	87.58	51.02	168.58	287.86
2031	0.00	0.00	74.87	0.00	0.00	0.00	9.37	84.23	26.54	45.62	601.88	86.86	53.66	173.16	288.21
2032	0.00	0.00	102.25	0.00	60.03	0.00	9.36	171.64	27.38	44.42	593.14	85.41	61.52	177.93	268.28
2033	0.00	0.00	15.51	0.00	0.00	0.00	9.22	24.74	27.48	47.26	588.28	83.81	79.37	183.09	242.01
2034	0.00	0.00	0.00	0.00	0.00	0.00	9.16	9.16	27.51	46.14	579.60	82.21	91.15	190.54	215.70
2035	0.00	0.00	0.00	0.00	0.00	0.00	9.11	9.11	27.53	44.63	521.44	80.56	81.70	183.48	175.00
2036	0.00	0.00	0.00	0.00	0.00	0.00	9.09	9.09	27.56	44.01	441.27	79.07	80.93	155.18	126.09
2037	0.00	0.00	0.00	0.00	0.00	0.00	9.07	9.07	27.59	43.43	418.44	77.56	89.11	157.64	94.13
2038	0.00	0.00	0.00	0.00	0.00	0.00	2.72	2.72	27.59	42.86	403.58	76.08	97.63	162.98	66.90
2039	0.00	0.00	160.61	0.00	0.00	0.00	2.70	163.31	28.39	45.21	388.35	74.59	106.77	176.03	30.96
2040	0.00	0.00	232.03	0.00	0.00	0.00	2.70	234.73	29.55	41.79	375.89	73.16	116.28	181.69	4.76
2041	0.00	0.00	103.92	0.00	9.06	0.00	2.70	115.68	30.12	41.27	370.14	72.23	127.94	183.46	-13.49
2042	0.00	0.00	7.64	0.00	0.00	0.00	2.70	10.34	30.15	47.88	415.31	70.76	181.56	179.53	-16.55
2043	0.00	0.00	0.00	0.00	0.00	0.00	28.88	28.88	30.15	47.39	397.95	69.26	193.24	185.48	-50.03
2044	0.00	0.00	0.00	0.00	0.00	0.00	27.43	27.43	30.15	48.65	380.83	67.89	202.17	191.71	-80.93
2045	0.00	0.00	80.28	0.00	0.00	0.00	18.78	99.06	30.56	48.19	365.61	66.60	213.70	196.34	-111.03
2046	0.00	0.00	109.64	0.00	0.00	0.00	16.33	125.97	31.10	47.75	355.81	65.56	226.73	198.52	-135.00
2047	0.00	0.00	16.63	0.00	0.00	0.00	15.52	32.16	31.19	50.43	357.64	64.97	240.36	197.03	-144.72
2048	0.00	0.00	0.00	0.00	0.00	0.00	14.70	14.70	31.19	49.15	330.17	63.10	264.54	202.25	-199.73
2049	0.00	0.00	0.00	0.00	1.09	0.37	13.63	15.09	31.19	51.63	347.87	64.54	243.88	199.26	-159.81
2050	0.00	0.00	0.00	0.00	0.43	1.59	13.25	15.27	31.19	48.36	347.87	64.54	243.88	199.26	-159.81
2051	0.00	0.00	0.00	0.00	15.00	20.62	12.92	48.54	31.19	47.98	347.87	64.54	243.88	199.26	-159.81
2052	0.00	0.00	0.00	0.00	18.71	29.64	11.38	59.73	31.19	47.62	347.87	64.54	243.88	199.26	-159.81
2053	0.00	0.00	0.00	0.00	19.60	14.01	10.65	44.26	31.19	47.27	347.87	64.54	243.88	199.26	-159.81
2054	0.00	0.00	72.30	0.00	16.72	23.36	9.97	122.35	31.19	46.93	347.87	64.54	243.88	199.26	-159.81
2055	0.00	0.00	98.74	0.00	0.00	23.53	9.42	131.69	31.19	46.60	347.87	64.54	243.88	199.26	-159.81
2056	0.00	0.00	14.98	0.00	0.00	0.35	9.43	24.76	31.19	61.73	347.87	64.54	243.88	199.26	-159.81
2057	0.00	0.00	73.39	0.00	0.00	0.00	10.00	83.39	31.19	45.97	347.87	64.54	243.88	199.26	-159.81
2058	0.00	0.00	173.98	0.00	0.00	0.00	17.94	191.92	31.19	61.12	347.87	64.54	243.88	199.26	-159.81
2059	0.00	0.00	115.93	0.00	0.00	0.00	15.09	131.03	31.19	48.28	347.87	64.54	243.88	199.26	-159.81
2060	0.00	0.00	15.28	0.00	9.06	0.00	15.65	40.00	31.19	57.33	347.87	64.54	243.88	199.26	-159.81
2061	0.00	0.00	74.87	0.00	0.00	0.00	13.66	88.53	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2062	0.00	0.00	102.25	0.00	3.06	1.10	13.40	119.81	31.19	57.33	347.87	64.54	243.88	199.26	-159.81
2063	0.00	0.00	15.51	0.00	54.24	0.05	20.72	90.52	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2064	0.00	0.00	0.00	0.00	18.79	17.46	21.99	58.24	31.19	57.33	347.87	64.54	243.88	199.26	-159.81
2065	0.00	0.00	0.00	0.00	8.63	1.98	12.52	23.13	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2066	0.00	0.00	0.00	0.00	1.18	7.37	11.30	19.85	31.19	57.33	347.87	64.54	243.88	199.26	-159.81
2067	0.00	0.00	0.00	0.00	56.06	63.10	11.36	130.52	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2068	0.00	0.00	0.00	0.00	22.75	32.23	13.45	68.42	31.19	57.33	347.87	64.54	243.88	199.26	-159.81
2069	0.00	0.00	160.61	0.00	23.12	22.86	9.76	216.36	31.19	44.77	347.87	64.54	243.88	199.26	-159.81
2070	0.00	0.00	232.03	0.00	0.01	13.13	9.00	254.18	31.19	43.61	347.87	64.54	243.88	199.26	-159.81
2071	0.00	0.00	103.92	0.00	0.00	0.05	10.37	114.34	31.19	43.61	347.87	64.54	243.88	199.26	-159.81
2072	0.00	0.00	7.64	0.00	0.00	0.00	10.36	18.00	31.19	43.61	347.87	64.54	243.88	199.26	-159.81
2073	0.00	0.00	0.00	0.00	0.00	0.00	19.58	19.58	31.19	42.75	347.87	64.54	243.88	199.26	-159.81
2074	0.00	0.00	0.00	0.00	0.00	0.00	17.86	17.86	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2075	0.00	0.00	80.28	0.00	0.00	0.00	18.35	98.63	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2076	0.00	0.00	109.64	0.00	9.06	0.00	15.88	134.58	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2077	0.00	0.00	16.63	0.00	0.00	0.00	15.30	31.93	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2078	0.00	0.00	0.00	0.00	17.84	0.00	15.17	33.01	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2079	0.00	0.00	0.00	0.00	0.00	0.00	14.10	14.10	31.19	44.77	347.87	64.54	243.88	199.26	-159.81
2080	0.00	0.00	0.00	0.00	0.00	0.00	11.12	11.12	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2081	0.00	0.00	0.00	0.00	0.00	0.00	10.89	10.89	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2082	0.00	0.00	0.00	0.00	15.01	0.00	10.70	25.70	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2083	0.00	0.00	0.00	0.00	0.00	0.00	18.46	18.46	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2084	0.00	0.00	72.30	0.00	1.09	0.37	18.15	91.91	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2085	0.00	0.00	98.74	0.00	0.43	1.59	10.86	111.62	31.19	41.88	347.87	64.54	243.88	199.26	-159.81
2086															

TABLE 006B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)									Net Average Flow Related Revenue (Millions of 2014\$)					
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	91.60	505.13	2.37	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	658.31	0.00	0.00	9.06	6.51	105.12	778.99	6.07	0.91	338.54	101.66	23.98	101.27	111.63
2016	0.00	727.23	0.00	0.00	16.18	29.23	112.14	884.78	10.25	0.91	371.98	99.74	25.32	107.41	139.50
2017	0.00	891.38	0.00	0.00	29.74	92.74	97.91	1111.77	15.61	0.91	410.69	97.80	26.54	112.50	173.84
2018	0.00	510.95	0.00	0.00	42.34	112.47	95.40	761.17	19.17	0.91	415.31	95.24	28.43	117.25	174.39
2019	0.00	258.48	0.00	0.00	39.84	69.80	87.97	456.08	21.22	17.46	443.94	95.10	27.07	116.87	204.90
2020	0.00	136.75	0.00	0.00	0.01	217.46	77.58	431.80	23.18	51.79	685.48	102.80	20.72	124.22	437.74
2021	0.00	59.24	0.00	0.00	0.00	0.40	70.02	129.66	23.64	50.00	766.01	103.31	21.31	133.28	508.11
2022	0.00	0.00	0.00	0.00	0.00	0.00	97.37	97.37	23.80	48.72	773.46	101.76	22.04	136.62	513.03
2023	0.00	0.00	0.00	0.00	0.00	0.00	96.22	96.22	23.96	46.76	765.22	99.77	21.61	141.67	502.18
2024	0.00	0.00	0.00	0.00	0.00	0.00	96.22	96.22	24.12	44.97	750.38	97.44	23.71	146.75	482.49
2025	0.00	0.00	0.00	0.00	0.00	0.00	88.26	88.26	24.28	43.24	682.61	95.43	21.50	139.70	425.98
2026	0.00	0.00	0.00	0.00	0.00	0.00	88.87	88.87	24.44	41.40	704.35	94.41	22.39	146.47	441.08
2027	0.00	0.00	0.00	0.00	0.00	0.00	88.81	88.81	24.61	40.03	682.75	92.34	21.74	148.84	419.84
2028	0.00	0.00	73.75	0.00	0.00	0.00	83.15	156.91	25.03	38.74	670.37	90.67	23.19	152.27	404.24
2029	0.00	0.00	174.85	0.00	9.06	0.00	84.11	268.02	25.99	40.11	692.39	92.05	13.30	145.35	441.69
2030	0.00	0.00	116.51	0.00	71.36	0.00	85.77	273.65	26.98	38.89	670.48	89.63	22.57	149.01	409.26
2031	0.00	0.00	15.36	0.00	0.00	0.00	83.37	98.73	27.10	41.64	654.40	87.35	33.77	155.51	377.77
2032	0.00	0.00	0.00	0.00	0.00	0.00	81.77	81.77	27.15	40.44	628.23	85.40	35.66	158.28	348.88
2033	0.00	0.00	0.00	0.00	0.00	0.00	87.96	87.96	27.20	39.28	618.76	83.69	39.31	165.87	329.89
2034	0.00	0.00	0.00	0.00	0.00	0.00	93.17	93.17	27.25	38.16	600.55	81.34	47.44	178.25	293.52
2035	0.00	0.00	0.00	0.00	0.00	0.00	96.44	96.44	27.30	36.65	562.92	80.43	39.48	166.24	276.77
2036	0.00	0.00	0.00	0.00	0.00	0.00	100.85	100.85	27.35	36.03	486.09	78.90	40.66	137.18	229.35
2037	0.00	0.00	0.00	0.00	0.00	0.00	97.17	97.17	27.37	35.45	477.01	78.11	40.61	135.54	222.76
2038	0.00	0.00	0.00	0.00	0.00	0.00	93.51	93.51	27.37	34.88	446.63	75.69	48.40	144.55	177.98
2039	0.00	0.00	0.00	0.00	0.00	0.00	90.35	90.35	27.38	37.22	426.54	73.91	54.57	158.63	139.42
2040	0.00	0.00	0.00	0.00	0.00	0.00	81.88	81.88	27.38	33.79	417.93	72.56	59.69	165.48	120.20
2041	0.00	0.00	0.00	0.00	0.00	0.00	75.78	75.78	27.38	33.27	404.68	71.17	64.17	171.43	97.91
2042	0.00	0.00	79.09	0.00	0.00	0.00	76.30	155.39	27.78	32.77	394.93	70.06	67.37	175.17	82.34
2043	0.00	0.00	108.02	0.00	0.00	0.00	43.28	151.29	28.32	32.28	402.10	69.98	64.11	173.82	94.19
2044	0.00	0.00	181.05	0.00	0.00	0.00	46.29	227.35	29.23	37.52	375.12	67.87	87.49	182.84	36.93
2045	0.00	0.00	237.89	0.00	0.00	0.00	39.87	277.77	30.42	37.06	361.03	66.61	99.67	187.87	6.89
2046	0.00	0.00	106.55	0.00	9.06	0.00	37.60	153.21	31.00	36.62	367.89	66.26	109.46	186.22	5.94
2047	0.00	0.00	7.84	0.00	0.00	0.00	36.27	44.11	31.04	42.44	417.49	65.03	166.42	180.65	5.39
2048	0.00	0.00	0.00	0.00	0.00	0.00	35.88	35.88	31.04	41.15	385.74	63.04	184.77	188.93	-51.00
2049	0.00	0.00	0.00	0.00	1.09	0.37	31.65	33.11	31.04	43.64	390.37	64.78	153.55	185.27	-13.23
2050	0.00	0.00	0.00	0.00	0.43	1.59	30.30	32.32	31.04	40.36	390.37	64.78	153.55	185.27	-13.23
2051	0.00	0.00	0.00	0.00	15.00	20.62	29.87	65.50	31.04	39.99	390.37	64.78	153.55	185.27	-13.23
2052	0.00	0.00	0.00	0.00	18.71	29.64	29.76	78.12	31.04	39.62	390.37	64.78	153.55	185.27	-13.23
2053	0.00	0.00	0.00	0.00	19.60	14.01	30.97	64.58	31.04	39.27	390.37	64.78	153.55	185.27	-13.23
2054	0.00	0.00	0.00	0.00	16.72	23.36	38.26	78.33	31.04	38.93	390.37	64.78	153.55	185.27	-13.23
2055	0.00	0.00	0.00	0.00	0.00	23.53	42.93	66.46	31.04	38.60	390.37	64.78	153.55	185.27	-13.23
2056	0.00	0.00	0.00	0.00	0.00	0.35	47.45	47.81	31.04	53.73	390.37	64.78	153.55	185.27	-13.23
2057	0.00	0.00	0.00	0.00	0.00	0.00	51.10	51.10	31.04	37.98	390.37	64.78	153.55	185.27	-13.23
2058	0.00	0.00	73.75	0.00	0.00	0.00	60.63	134.38	31.04	53.13	390.37	64.78	153.55	185.27	-13.23
2059	0.00	0.00	174.85	0.00	0.00	0.00	59.97	234.82	31.04	40.28	390.37	64.78	153.55	185.27	-13.23
2060	0.00	0.00	116.51	0.00	0.00	0.00	51.82	168.33	31.04	49.34	390.37	64.78	153.55	185.27	-13.23
2061	0.00	0.00	15.36	0.00	0.00	0.00	42.89	58.24	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2062	0.00	0.00	0.00	0.00	3.06	1.10	33.68	37.84	31.04	49.34	390.37	64.78	153.55	185.27	-13.23
2063	0.00	0.00	0.00	0.00	0.72	0.05	35.48	36.25	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2064	0.00	0.00	0.00	0.00	27.86	17.46	36.92	82.23	31.04	49.34	390.37	64.78	153.55	185.27	-13.23
2065	0.00	0.00	0.00	0.00	62.15	1.98	29.57	93.69	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2066	0.00	0.00	0.00	0.00	1.18	7.37	31.90	40.45	31.04	49.34	390.37	64.78	153.55	185.27	-13.23
2067	0.00	0.00	0.00	0.00	11.03	63.10	30.62	104.76	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2068	0.00	0.00	0.00	0.00	22.75	32.23	29.77	84.75	31.04	49.34	390.37	64.78	153.55	185.27	-13.23
2069	0.00	0.00	0.00	0.00	23.12	22.86	29.81	75.79	31.04	36.77	390.37	64.78	153.55	185.27	-13.23
2070	0.00	0.00	0.00	0.00	0.01	13.13	30.22	43.36	31.04	35.62	390.37	64.78	153.55	185.27	-13.23
2071	0.00	0.00	0.00	0.00	0.00	0.05	30.39	30.44	31.04	35.62	390.37	64.78	153.55	185.27	-13.23
2072	0.00	0.00	79.09	0.00	0.00	0.00	35.98	115.07	31.04	35.62	390.37	64.78	153.55	185.27	-13.23
2073	0.00	0.00	108.02	0.00	0.00	0.00	56.56	164.57	31.04	34.75	390.37	64.78	153.55	185.27	-13.23
2074	0.00	0.00	181.05	0.00	0.00	0.00	69.55	250.60	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2075	0.00	0.00	237.89	0.00	0.00	0.00	76.60	314.50	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2076	0.00	0.00	106.55	0.00	0.00	0.00	77.35	183.90	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2077	0.00	0.00	7.84	0.00	0.00	0.00	80.06	87.89	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2078	0.00	0.00	0.00	0.00	0.00	0.00	73.00	73.00	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2079	0.00	0.00	0.00	0.00	0.00	0.00	63.38	63.38	31.04	36.77	390.37	64.78	153.55	185.27	-13.23
2080	0.00	0.00	0.00	0.00	17.84	0.00	52.61	70.45	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2081	0.00	0.00	0.00	0.00	9.06	0.00	45.01	54.07	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2082	0.00	0.00	0.00	0.00	0.00	0.00	44.15	44.15	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2083	0.00	0.00	0.00	0.00	0.00	0.00	42.56	42.56	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2084	0.00	0.00	0.00	0.00	1.09	0.37	42.09	43.55	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2085	0.00	0.00	0.00	0.00	0.43	1.59	33.31	35.33	31.04	33.89	390.37	64.78	153.55	185.27	-13.23
2086	0.00	0.00	0.00	0.0											

TABLE 007B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)								Net Average Flow Related Revenue (Millions of 2014\$)						
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	114.79	528.32	2.42	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	658.31	0.00	0.00	9.06	6.51	130.13	804.00	6.17	0.91	344.80	101.55	24.43	100.65	118.17
2016	0.00	727.23	0.00	0.00	16.18	29.23	276.16	1048.80	10.64	0.91	395.12	99.54	25.87	106.14	163.58
2017	0.00	891.38	0.00	0.00	29.74	92.74	164.09	1177.95	16.11	0.91	444.81	97.68	27.37	110.67	209.09
2018	0.00	510.95	0.00	0.00	42.34	112.47	164.00	829.76	19.80	0.91	465.10	95.19	28.84	114.18	226.89
2019	0.00	258.48	0.00	0.00	39.84	69.80	138.28	506.40	21.93	17.46	500.30	95.09	27.08	112.55	265.57
2020	0.00	136.75	0.00	0.00	0.01	217.46	105.49	459.71	23.93	51.79	743.55	102.76	20.18	118.59	502.02
2021	0.00	59.24	0.00	0.00	0.00	0.40	84.64	144.28	24.41	50.00	827.52	103.25	21.29	127.26	575.72
2022	0.00	0.00	0.00	0.00	0.00	0.00	112.02	112.03	24.59	48.72	836.63	101.65	21.86	130.33	582.78
2023	0.00	0.00	0.00	0.00	0.00	0.00	111.43	111.43	24.77	46.76	830.94	99.68	21.14	134.31	575.81
2024	0.00	0.00	0.00	0.00	0.00	0.00	112.19	112.19	24.95	44.97	814.92	97.04	24.07	141.59	552.22
2025	0.00	0.00	0.00	0.00	0.00	0.00	102.83	102.83	25.13	43.24	745.83	95.09	22.95	133.22	494.52
2026	0.00	0.00	0.00	0.00	0.00	0.00	103.35	103.35	25.30	41.40	780.17	94.52	23.44	139.83	522.38
2027	0.00	0.00	0.00	0.00	0.00	0.00	103.31	103.31	25.47	40.03	754.72	92.36	21.36	139.18	501.82
2028	0.00	0.00	0.00	0.00	0.00	0.00	96.92	96.92	25.53	38.74	743.40	90.60	22.70	142.55	487.55
2029	0.00	0.00	74.12	0.00	0.00	0.00	97.87	172.00	25.95	40.11	733.50	89.26	22.54	144.77	476.93
2030	0.00	0.00	101.23	0.00	9.06	0.00	99.54	209.83	26.55	34.91	744.06	89.64	15.77	138.46	500.18
2031	0.00	0.00	15.36	0.00	0.00	0.00	101.93	117.29	26.68	37.65	733.62	87.42	25.70	145.66	474.85
2032	0.00	0.00	0.00	0.00	0.00	0.00	100.51	100.51	26.74	36.45	709.08	85.46	27.08	148.78	447.76
2033	0.00	0.00	0.00	0.00	0.00	0.00	106.89	106.89	26.79	35.29	686.79	83.37	29.00	155.78	418.64
2034	0.00	0.00	0.00	0.00	0.00	0.00	112.28	112.28	26.84	34.17	666.56	81.51	30.66	161.03	393.36
2035	0.00	0.00	0.00	0.00	0.00	0.00	115.74	115.74	26.90	32.65	647.34	80.70	28.25	151.36	387.04
2036	0.00	0.00	0.00	0.00	0.00	0.00	163.63	163.63	26.95	32.03	575.89	79.19	29.06	125.34	342.30
2037	0.00	0.00	0.00	0.00	0.00	0.00	119.48	119.48	26.98	31.44	546.89	77.62	29.84	126.10	313.33
2038	0.00	0.00	0.00	0.00	0.00	0.00	115.82	115.82	26.99	30.87	520.87	75.91	31.17	129.71	284.07
2039	0.00	0.00	0.00	0.00	0.00	0.00	129.62	129.62	26.99	33.20	492.12	74.21	32.73	141.10	244.08
2040	0.00	0.00	0.00	0.00	0.00	0.00	121.15	121.15	27.00	29.78	473.05	72.57	36.12	146.59	217.76
2041	0.00	0.00	0.00	0.00	0.00	0.00	115.05	115.05	27.01	29.26	459.89	71.15	40.08	152.12	196.54
2042	0.00	0.00	79.09	0.00	0.00	0.00	115.57	194.66	27.41	28.75	446.39	69.77	44.71	157.54	174.37
2043	0.00	0.00	108.02	0.00	9.06	0.00	82.55	199.62	28.00	28.27	456.08	69.81	39.54	156.53	190.20
2044	0.00	0.00	16.39	0.00	0.00	0.00	68.40	84.78	28.09	33.51	431.06	67.84	57.94	164.50	140.78
2045	0.00	0.00	80.28	0.00	0.00	0.00	61.98	142.25	28.49	33.05	413.36	66.57	63.15	170.59	113.05
2046	0.00	0.00	109.64	0.00	71.36	0.00	59.70	240.71	29.41	32.61	411.43	66.00	65.45	172.94	107.05
2047	0.00	0.00	16.63	0.00	0.00	0.00	58.38	75.01	29.49	35.30	401.91	64.75	85.83	176.50	74.82
2048	0.00	0.00	0.00	0.00	0.00	0.00	57.99	57.99	29.50	34.02	371.37	62.96	100.95	183.77	23.70
2049	0.00	0.00	0.00	0.00	1.09	0.37	53.55	55.01	29.50	36.51	394.90	64.57	84.07	177.74	68.52
2050	0.00	0.00	0.00	0.00	0.43	1.59	52.20	54.22	29.50	33.23	394.90	64.57	84.07	177.74	68.52
2051	0.00	0.00	0.00	0.00	15.00	20.62	51.77	87.39	29.50	32.86	394.90	64.57	84.07	177.74	68.52
2052	0.00	0.00	0.00	0.00	18.71	29.64	51.66	100.01	29.50	32.50	394.90	64.57	84.07	177.74	68.52
2053	0.00	0.00	0.00	0.00	19.60	14.01	52.87	86.48	29.50	32.16	394.90	64.57	84.07	177.74	68.52
2054	0.00	0.00	0.00	0.00	16.72	23.36	60.16	100.23	29.50	31.82	394.90	64.57	84.07	177.74	68.52
2055	0.00	0.00	0.00	0.00	0.00	23.53	64.83	88.36	29.50	31.49	394.90	64.57	84.07	177.74	68.52
2056	0.00	0.00	0.00	0.00	0.00	0.35	109.83	110.18	29.50	46.62	394.90	64.57	84.07	177.74	68.52
2057	0.00	0.00	0.00	0.00	0.00	0.00	73.00	73.00	29.50	30.87	394.90	64.57	84.07	177.74	68.52
2058	0.00	0.00	0.00	0.00	0.00	0.00	82.53	82.53	29.50	46.02	394.90	64.57	84.07	177.74	68.52
2059	0.00	0.00	74.12	0.00	0.00	0.00	81.67	155.79	29.50	33.17	394.90	64.57	84.07	177.74	68.52
2060	0.00	0.00	101.23	0.00	0.00	0.00	73.51	174.75	29.50	42.23	394.90	64.57	84.07	177.74	68.52
2061	0.00	0.00	15.36	0.00	0.00	0.00	64.58	79.94	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2062	0.00	0.00	0.00	0.00	3.06	1.10	55.38	59.54	29.50	42.23	394.90	64.57	84.07	177.74	68.52
2063	0.00	0.00	0.00	0.00	0.72	0.05	57.18	57.95	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2064	0.00	0.00	0.00	0.00	18.79	17.46	58.61	94.86	29.50	42.23	394.90	64.57	84.07	177.74	68.52
2065	0.00	0.00	0.00	0.00	17.69	1.98	68.43	88.09	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2066	0.00	0.00	0.00	0.00	1.18	7.37	70.76	79.31	29.50	42.23	394.90	64.57	84.07	177.74	68.52
2067	0.00	0.00	0.00	0.00	11.03	63.10	69.49	143.62	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2068	0.00	0.00	0.00	0.00	22.75	32.23	68.63	123.61	29.50	42.23	394.90	64.57	84.07	177.74	68.52
2069	0.00	0.00	0.00	0.00	23.12	22.86	68.46	114.45	29.50	29.66	394.90	64.57	84.07	177.74	68.52
2070	0.00	0.00	0.00	0.00	0.01	13.13	51.71	64.85	29.50	28.51	394.90	64.57	84.07	177.74	68.52
2071	0.00	0.00	0.00	0.00	0.00	0.05	51.88	51.93	29.50	28.51	394.90	64.57	84.07	177.74	68.52
2072	0.00	0.00	79.09	0.00	0.00	0.00	57.47	136.56	29.50	28.51	394.90	64.57	84.07	177.74	68.52
2073	0.00	0.00	108.02	0.00	0.00	0.00	78.05	186.06	29.50	27.64	394.90	64.57	84.07	177.74	68.52
2074	0.00	0.00	16.39	0.00	0.00	0.00	91.04	107.43	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2075	0.00	0.00	80.28	0.00	0.00	0.00	98.09	178.37	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2076	0.00	0.00	109.64	0.00	0.00	0.00	139.32	248.96	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2077	0.00	0.00	16.63	0.00	0.00	0.00	101.55	118.18	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2078	0.00	0.00	0.00	0.00	9.06	0.00	94.50	103.56	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2079	0.00	0.00	0.00	0.00	0.00	0.00	84.87	84.87	29.50	29.66	394.90	64.57	84.07	177.74	68.52
2080	0.00	0.00	0.00	0.00	0.00	0.00	74.10	74.10	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2081	0.00	0.00	0.00	0.00	53.52	0.00	66.50	120.02	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2082	0.00	0.00	0.00	0.00	0.00	0.00	65.64	65.64	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2083	0.00	0.00	0.00	0.00	0.00	0.00	64.06	64.06	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2084	0.00	0.00	0.00	0.00	1.09	0.37	63.58	65.04	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2085	0.00	0.00	0.00	0.00	0.43	1.59	54.80	56.82	29.50	26.78	394.90	64.57	84.07	177.74	68.52
2086	0.00	0.00	0												

TABLE 008B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa	Keeyask	Thermal	Wind	Transmission		DSM	Total	Capital	Fixed	Gross	Water	Thermal	Power	Net
	GS	GS	GS	GS	GOT	US T/L	Capital	Capital	Taxes	O&M					
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	142.06	555.58	2.60	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	658.31	0.00	0.00	9.06	6.51	163.59	837.46	6.57	0.91	346.66	101.55	24.42	100.60	120.09
2016	0.00	727.23	0.00	0.00	16.18	29.23	314.25	1086.90	11.28	0.91	399.00	99.53	25.89	106.02	167.57
2017	0.00	891.38	0.00	0.00	29.74	92.74	206.32	1220.19	17.03	0.91	451.31	97.66	27.40	110.38	215.87
2018	0.00	510.95	0.00	0.00	42.34	112.47	205.66	871.43	21.01	0.91	474.76	95.16	28.77	113.79	237.04
2019	0.00	258.48	0.00	0.00	39.84	69.80	176.56	544.68	23.40	17.46	512.60	95.05	27.06	112.16	278.34
2020	0.00	136.75	0.00	0.00	0.01	217.46	144.12	498.35	25.65	51.79	758.63	102.75	19.98	118.00	517.90
2021	0.00	59.24	0.00	0.00	0.00	0.40	123.49	183.14	26.38	50.00	845.23	103.23	21.26	126.24	594.49
2022	0.00	0.00	0.00	0.00	0.00	0.00	150.98	150.98	26.82	48.72	857.73	101.62	21.90	129.36	604.85
2023	0.00	0.00	0.00	0.00	0.00	0.00	150.08	150.08	27.25	46.76	853.80	99.57	21.16	133.29	599.78
2024	0.00	0.00	0.00	0.00	0.00	0.00	148.24	148.24	27.68	44.97	841.54	97.00	24.12	140.03	580.39
2025	0.00	0.00	0.00	0.00	0.00	0.00	138.36	138.36	28.09	43.24	772.59	94.97	24.03	130.07	523.52
2026	0.00	0.00	0.00	0.00	0.00	0.00	139.16	139.16	28.50	41.40	814.24	94.55	23.89	137.63	558.17
2027	0.00	0.00	0.00	0.00	0.00	0.00	138.28	138.28	28.90	40.03	788.40	92.35	21.54	135.58	538.93
2028	0.00	0.00	0.00	0.00	0.00	0.00	112.70	112.70	29.00	38.74	779.14	90.58	22.61	138.73	527.21
2029	0.00	0.00	0.00	0.00	0.00	0.00	119.18	119.18	29.05	40.11	767.25	88.92	23.30	142.01	513.02
2030	0.00	0.00	0.00	0.00	0.00	0.00	122.86	122.86	29.10	34.91	756.74	87.77	22.38	138.64	507.95
2031	0.00	0.00	74.87	0.00	9.06	0.00	128.33	212.26	29.57	33.67	752.23	86.43	22.54	142.04	501.21
2032	0.00	0.00	102.25	0.00	0.00	0.00	128.97	231.22	30.14	32.47	758.08	86.46	16.33	139.11	516.18
2033	0.00	0.00	15.51	0.00	0.00	0.00	137.31	152.82	30.27	35.29	740.59	84.09	26.72	148.04	481.74
2034	0.00	0.00	0.00	0.00	0.00	0.00	140.45	140.45	30.32	34.17	716.86	81.90	29.39	154.64	450.93
2035	0.00	0.00	0.00	0.00	0.00	0.00	144.46	144.46	30.37	32.65	689.59	80.74	28.04	145.42	435.38
2036	0.00	0.00	0.00	0.00	0.00	0.00	192.51	192.51	30.43	32.03	621.48	79.18	28.95	121.68	391.66
2037	0.00	0.00	0.00	0.00	0.00	0.00	148.55	148.55	30.46	31.44	592.15	77.59	29.58	122.50	362.48
2038	0.00	0.00	0.00	0.00	0.00	0.00	144.58	144.58	30.47	30.87	570.64	76.08	30.17	125.22	339.16
2039	0.00	0.00	0.00	0.00	0.00	0.00	157.41	157.41	30.47	33.20	547.83	74.62	30.78	135.44	306.99
2040	0.00	0.00	0.00	0.00	0.00	0.00	149.08	149.08	30.48	29.78	520.64	72.89	32.34	139.82	275.59
2041	0.00	0.00	0.00	0.00	0.00	0.00	143.03	143.03	30.49	29.26	493.13	71.32	33.48	143.43	244.90
2042	0.00	0.00	0.00	0.00	0.00	0.00	143.17	143.17	30.49	28.75	474.97	69.80	37.66	149.09	218.42
2043	0.00	0.00	79.48	0.00	0.00	0.00	102.14	181.62	30.89	28.27	458.89	68.40	42.81	155.64	192.04
2044	0.00	0.00	108.56	0.00	9.06	0.00	93.83	211.45	31.49	29.53	471.46	68.54	37.07	153.89	211.97
2045	0.00	0.00	16.47	0.00	0.00	0.00	89.01	105.48	31.58	33.05	444.57	66.57	55.48	162.08	160.44
2046	0.00	0.00	35.49	0.00	0.00	0.00	89.07	124.56	31.76	32.61	424.85	65.24	60.85	168.50	130.25
2047	0.00	0.00	48.47	0.00	71.36	0.00	89.75	209.59	32.37	31.31	408.68	64.09	67.07	173.88	103.64
2048	0.00	0.00	7.35	0.00	0.00	0.00	90.93	98.28	32.41	31.38	390.51	62.83	76.55	178.75	72.39
2049	0.00	0.00	0.00	0.00	1.09	0.37	83.74	85.20	32.41	33.86	408.01	64.05	68.15	173.71	102.10
2050	0.00	0.00	0.00	0.00	0.43	1.59	82.48	84.50	32.41	30.59	408.01	64.05	68.15	173.71	102.10
2051	0.00	0.00	0.00	0.00	15.00	20.62	82.15	117.77	32.41	30.21	408.01	64.05	68.15	173.71	102.10
2052	0.00	0.00	0.00	0.00	18.71	29.64	82.14	130.49	32.41	29.85	408.01	64.05	68.15	173.71	102.10
2053	0.00	0.00	0.00	0.00	19.60	14.01	82.77	116.38	32.41	29.51	408.01	64.05	68.15	173.71	102.10
2054	0.00	0.00	0.00	0.00	16.72	23.36	88.57	128.65	32.41	29.17	408.01	64.05	68.15	173.71	102.10
2055	0.00	0.00	0.00	0.00	0.00	23.53	93.30	116.83	32.41	28.85	408.01	64.05	68.15	173.71	102.10
2056	0.00	0.00	0.00	0.00	0.00	0.35	138.68	139.03	32.41	43.98	408.01	64.05	68.15	173.71	102.10
2057	0.00	0.00	0.00	0.00	0.00	0.00	100.99	101.00	32.41	28.23	408.01	64.05	68.15	173.71	102.10
2058	0.00	0.00	0.00	0.00	0.00	0.00	98.41	98.41	32.41	43.38	408.01	64.05	68.15	173.71	102.10
2059	0.00	0.00	0.00	0.00	0.00	0.00	103.23	103.23	32.41	30.53	408.01	64.05	68.15	173.71	102.10
2060	0.00	0.00	0.00	0.00	0.00	0.00	97.28	97.28	32.41	39.58	408.01	64.05	68.15	173.71	102.10
2061	0.00	0.00	74.87	0.00	0.00	0.00	90.67	165.53	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2062	0.00	0.00	102.25	0.00	3.06	1.10	83.88	190.29	32.41	39.58	408.01	64.05	68.15	173.71	102.10
2063	0.00	0.00	15.51	0.00	0.72	0.05	87.70	103.98	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2064	0.00	0.00	0.00	0.00	18.79	17.46	86.79	123.04	32.41	39.58	408.01	64.05	68.15	173.71	102.10
2065	0.00	0.00	0.00	0.00	8.63	1.98	98.52	109.13	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2066	0.00	0.00	0.00	0.00	10.24	7.37	102.64	120.25	32.41	39.58	408.01	64.05	68.15	173.71	102.10
2067	0.00	0.00	0.00	0.00	11.03	63.10	101.71	175.84	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2068	0.00	0.00	0.00	0.00	22.75	32.23	97.66	152.64	32.41	39.58	408.01	64.05	68.15	173.71	102.10
2069	0.00	0.00	0.00	0.00	23.12	22.86	96.25	142.23	32.41	27.02	408.01	64.05	68.15	173.71	102.10
2070	0.00	0.00	0.00	0.00	0.01	13.13	79.41	92.55	32.41	25.87	408.01	64.05	68.15	173.71	102.10
2071	0.00	0.00	0.00	0.00	0.00	0.05	80.24	80.30	32.41	25.87	408.01	64.05	68.15	173.71	102.10
2072	0.00	0.00	0.00	0.00	0.00	0.00	85.40	85.40	32.41	25.87	408.01	64.05	68.15	173.71	102.10
2073	0.00	0.00	79.48	0.00	0.00	0.00	97.88	177.36	32.41	25.00	408.01	64.05	68.15	173.71	102.10
2074	0.00	0.00	108.56	0.00	0.00	0.00	116.18	224.73	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2075	0.00	0.00	16.47	0.00	0.00	0.00	125.34	141.80	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2076	0.00	0.00	35.49	0.00	0.00	0.00	169.50	204.99	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2077	0.00	0.00	48.47	0.00	0.00	0.00	132.90	181.37	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2078	0.00	0.00	7.35	0.00	0.00	0.00	126.89	134.24	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2079	0.00	0.00	0.00	0.00	9.06	0.00	114.51	123.58	32.41	27.02	408.01	64.05	68.15	173.71	102.10
2080	0.00	0.00	0.00	0.00	0.00	0.00	103.91	103.91	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2081	0.00	0.00	0.00	0.00	0.00	0.00	96.38	96.38	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2082	0.00	0.00	0.00	0.00	53.52	0.00	84.61	138.13	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2083	0.00	0.00	0.00	0.00	0.00	0.00	93.93	93.93	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2084	0.00	0.00	0.00	0.00	1.09	0.37	91.95	93.42	32.41	24.14	408.01	64.05	68.15	173.71	102.10
2085	0.00	0.00	0.00	0.00	0.43	1.59	83.19	85.20	32.41	24.14	4				

TABLE 009B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	27.86	381.69	0.00	0.00	11.53	20.31	36.23	477.62	2.36	0.91	0.00	0.00	0.00	0.00	0.00
2015	31.26	658.31	0.00	0.00	9.06	6.51	36.56	741.69	6.03	0.91	333.25	101.70	23.89	101.42	106.24
2016	84.34	727.23	0.00	0.00	16.18	29.23	34.97	891.95	10.45	0.91	362.02	99.79	25.14	107.90	129.18
2017	102.92	891.38	0.00	0.00	29.74	92.74	32.80	1149.58	16.17	0.91	396.39	97.87	26.34	113.23	158.96
2018	490.21	510.95	0.00	0.00	42.34	112.47	32.18	1188.16	22.03	0.91	394.95	95.28	28.23	118.13	153.31
2019	808.57	258.48	0.00	0.00	39.84	69.80	28.32	1205.01	27.99	17.46	419.91	95.14	26.98	118.06	179.73
2020	513.35	136.75	0.00	0.00	3.53	217.46	28.36	899.46	32.41	51.75	658.80	102.81	20.80	126.75	408.43
2021	915.61	59.24	0.00	0.00	3.52	0.40	28.35	1007.12	37.37	50.00	735.78	103.32	21.53	136.48	474.44
2022	693.19	0.00	0.00	0.00	42.78	0.00	28.42	764.39	41.12	48.72	737.52	101.80	22.34	140.23	473.15
2023	626.03	0.00	0.00	0.00	22.19	0.00	29.17	677.39	44.43	46.76	724.32	99.74	21.87	146.47	456.24
2024	500.99	0.00	0.00	0.00	37.34	0.00	27.67	566.00	47.18	44.95	698.64	97.04	24.83	154.57	422.21
2025	880.94	0.00	0.00	0.00	64.65	0.00	17.91	963.50	51.97	43.22	626.23	95.09	22.78	150.77	357.59
2026	394.21	0.00	0.00	0.00	86.62	0.00	16.11	496.94	54.43	55.64	759.07	99.77	25.51	133.54	500.25
2027	51.78	0.00	0.00	0.00	102.09	0.00	17.49	171.35	55.25	54.51	949.49	107.66	23.27	121.94	696.62
2028	-0.38	0.00	0.00	0.00	0.00	0.00	9.74	9.36	55.28	53.09	1013.57	108.33	24.54	133.62	747.08
2029	0.00	0.00	0.00	0.00	0.00	0.00	9.59	9.59	55.30	54.68	992.23	106.12	25.06	137.12	723.93
2030	0.00	0.00	0.00	0.00	0.00	0.00	9.45	9.45	55.33	49.30	973.33	104.65	23.61	133.74	711.32
2031	0.00	0.00	0.00	0.00	0.00	0.00	9.37	9.37	55.36	48.03	966.99	102.87	24.42	138.48	701.21
2032	0.00	0.00	0.00	0.00	0.00	0.00	9.36	9.36	55.38	46.66	949.90	100.95	24.47	141.78	682.70
2033	0.00	0.00	0.00	0.00	0.00	0.00	9.22	9.22	55.41	45.15	931.76	99.10	24.86	145.46	662.34
2034	0.00	0.00	0.00	0.00	0.00	0.00	9.16	9.16	55.44	44.10	910.79	97.29	25.07	146.91	641.51
2035	0.00	0.00	0.00	0.00	0.00	0.00	9.11	9.11	55.46	42.69	876.60	95.52	25.28	140.45	615.36
2036	0.00	0.00	0.00	0.00	0.00	0.00	9.09	9.09	55.49	44.79	804.83	93.88	25.42	116.22	569.32
2037	0.00	0.00	0.00	0.00	0.00	0.00	9.07	9.07	55.52	41.31	774.17	92.16	25.60	116.28	540.13
2038	0.00	0.00	0.00	0.00	0.00	0.00	2.72	2.72	55.52	40.74	749.98	90.45	25.64	118.89	515.00
2039	0.00	0.00	0.00	0.00	0.00	0.00	2.70	2.70	55.52	43.07	725.48	88.77	25.81	129.07	481.84
2040	0.00	0.00	0.00	0.00	0.00	0.00	2.70	2.70	55.52	39.65	704.76	87.11	25.96	132.88	458.81
2041	0.00	0.00	0.00	0.00	0.00	0.00	2.70	2.70	55.52	39.13	680.97	85.51	25.94	136.63	432.89
2042	0.00	0.00	0.00	0.00	0.00	0.00	2.70	2.70	55.52	37.97	651.96	83.90	26.02	138.83	403.20
2043	0.00	0.00	79.48	0.00	0.00	0.00	28.88	108.36	55.92	37.48	629.82	82.33	26.09	144.03	377.36
2044	0.00	0.00	108.56	0.00	9.06	0.00	27.43	145.04	56.50	38.74	625.70	81.23	24.22	151.71	368.54
2045	0.00	0.00	16.47	0.00	0.00	0.00	18.78	35.24	56.59	42.26	601.00	79.20	42.18	153.91	325.72
2046	0.00	0.00	35.49	0.00	0.00	0.00	16.33	51.82	56.76	44.71	584.64	77.70	45.67	160.41	300.87
2047	0.00	0.00	48.47	0.00	9.06	0.00	15.52	73.06	57.05	40.53	570.21	76.34	48.90	166.34	278.62
2048	0.00	0.00	7.35	0.00	0.00	0.00	14.70	22.06	57.09	40.58	554.12	74.91	55.19	171.74	252.28
2049	0.00	0.00	0.00	0.00	1.09	0.37	13.63	15.09	57.09	43.07	569.66	76.32	49.92	166.16	277.26
2050	0.00	0.00	0.00	0.00	0.43	1.59	13.25	15.27	57.09	39.79	569.66	76.32	49.92	166.16	277.26
2051	0.00	0.00	0.00	0.00	15.00	20.62	12.92	48.54	57.09	41.15	569.66	76.32	49.92	166.16	277.26
2052	0.00	0.00	0.00	0.00	18.71	29.64	11.38	59.73	57.09	40.78	569.66	76.32	49.92	166.16	277.26
2053	0.00	0.00	0.00	0.00	19.60	14.01	10.65	44.26	57.09	40.43	569.66	76.32	49.92	166.16	277.26
2054	0.00	0.00	0.00	0.00	16.72	23.36	9.97	50.05	57.09	40.09	569.66	76.32	49.92	166.16	277.26
2055	0.00	0.00	0.00	0.00	0.87	23.53	9.42	33.81	57.09	39.76	569.66	76.32	49.92	166.16	277.26
2056	0.00	0.00	0.00	0.00	0.87	0.35	9.43	10.65	57.09	56.05	569.66	76.32	49.92	166.16	277.26
2057	0.00	0.00	0.00	0.00	10.44	0.00	10.00	20.44	57.09	37.40	569.66	76.32	49.92	166.16	277.26
2058	0.00	0.00	0.00	0.00	5.22	0.00	17.94	23.16	57.09	52.56	569.66	76.32	49.92	166.16	277.26
2059	0.00	0.00	0.00	0.00	8.70	0.00	15.09	23.79	57.09	39.71	569.66	76.32	49.92	166.16	277.26
2060	0.00	0.00	0.00	0.00	14.78	0.00	15.65	30.44	57.09	48.76	569.66	76.32	49.92	166.16	277.26
2061	0.00	0.00	0.00	0.00	20.87	0.00	13.66	34.53	57.09	33.31	569.66	76.32	49.92	166.16	277.26
2062	0.00	0.00	0.00	0.00	28.28	1.10	13.40	42.78	57.09	48.76	569.66	76.32	49.92	166.16	277.26
2063	0.00	0.00	0.00	0.00	0.72	0.05	20.72	21.49	57.09	48.76	569.66	76.32	49.92	166.16	277.26
2064	0.00	0.00	0.00	0.00	18.79	17.46	21.99	58.24	57.09	48.76	569.66	76.32	49.92	166.16	277.26
2065	0.00	0.00	0.00	0.00	8.63	1.98	12.52	23.13	57.09	48.76	569.66	76.32	49.92	166.16	277.26
2066	0.00	0.00	0.00	0.00	1.18	7.37	11.30	19.85	57.09	51.65	569.66	76.32	49.92	166.16	277.26
2067	0.00	0.00	0.00	0.00	11.03	63.10	11.36	85.50	57.09	48.76	569.66	76.32	49.92	166.16	277.26
2068	0.00	0.00	0.00	0.00	22.75	32.23	13.45	68.42	57.09	48.76	569.66	76.32	49.92	166.16	277.26
2069	0.00	0.00	0.00	0.00	23.12	22.86	9.76	55.74	57.09	51.65	569.66	76.32	49.92	166.16	277.26
2070	0.00	0.00	0.00	0.00	2.66	13.13	9.00	24.79	57.09	35.05	569.66	76.32	49.92	166.16	277.26
2071	0.00	0.00	0.00	0.00	2.65	0.05	10.37	13.07	57.09	50.49	569.66	76.32	49.92	166.16	277.26
2072	0.00	0.00	0.00	0.00	32.34	0.00	10.36	42.70	57.09	35.05	569.66	76.32	49.92	166.16	277.26
2073	0.00	0.00	79.48	0.00	16.97	0.00	19.58	116.03	57.09	49.63	569.66	76.32	49.92	166.16	277.26
2074	0.00	0.00	108.56	0.00	28.64	0.00	17.86	155.06	57.09	33.31	569.66	76.32	49.92	166.16	277.26
2075	0.00	0.00	16.47	0.00	49.87	0.00	18.35	84.69	57.09	48.76	569.66	76.32	49.92	166.16	277.26
2076	0.00	0.00	35.49	0.00	65.75	0.00	15.88	117.12	57.09	36.20	569.66	76.32	49.92	166.16	277.26
2077	0.00	0.00	48.47	0.00	76.87	0.00	15.30	140.64	57.09	50.49	569.66	76.32	49.92	166.16	277.26
2078	0.00	0.00	7.35	0.00	0.00	0.00	15.17	22.52	57.09	35.05	569.66	76.32	49.92	166.16	277.26
2079	0.00	0.00	0.00	0.00	9.06	0.00	14.10	23.16	57.09	53.38	569.66	76.32	49.92	166.16	277.26
2080	0.00	0.00	0.00	0.00	0.00	0.00	11.12	11.12	57.09	35.05	569.66	76.32	49.92	166.16	277.26
2081	0.00	0.00	0.00	0.00	0.00	0.00	10.89	10.89	57.09	50.49	569.66	76.32	49.92	166.16	277.26
2082	0.00	0.00	0.00	0.00	9.06	0.00	10.70	19.76	57.09	33.31	569.66	76.32	49.92	166.16	277.26
2083	0.00	0.00	0.00	0.00	0.00	0.00	18.46	18.46	57.09	33.31	569.66	76.32	49.92	166.16	277.26
2084	0.00	0.00	0.00	0.00	1.09	0.37	18.15	19.61	57.09	33.31	569.66	76.32	49.92	166.16	277.26
2085	0.00	0.00	0.00	0.00	0.43	1.59	10.86	12.88	57.09	33.31	569.66	76.32	49.92	166.16	277.26
2086	0.00	0.00	0.00	0.00											

TABLE 011B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	13.19	381.69	0.00	0.00	11.53	20.31	114.79	541.51	2.49	0.91	0.00	0.00	0.00	0.00	0.00
2015	17.88	658.31	0.00	0.00	9.06	6.51	130.13	821.87	6.33	0.91	344.81	101.56	24.40	100.64	118.22
2016	21.90	727.23	0.00	0.00	16.18	29.23	276.16	1070.71	10.90	0.91	395.11	99.54	25.87	106.11	163.60
2017	20.98	891.38	0.00	0.00	29.74	92.74	164.09	1198.94	16.48	0.91	444.85	97.68	27.38	110.69	209.10
2018	30.59	510.95	0.00	0.00	42.34	112.47	164.00	860.35	20.33	0.91	465.12	95.20	28.81	114.17	226.94
2019	61.10	258.48	0.00	0.00	39.84	69.80	138.28	567.50	22.76	17.46	500.30	95.09	27.06	112.52	265.63
2020	45.47	136.75	0.00	0.00	0.01	217.46	105.49	505.18	24.98	51.75	743.56	102.76	20.18	118.62	502.00
2021	100.00	59.24	0.00	0.00	0.00	0.40	84.64	244.28	25.96	50.00	827.51	103.25	21.29	127.27	575.70
2022	151.12	0.00	0.00	0.00	0.00	0.00	112.02	263.15	26.90	48.72	836.59	101.64	21.87	130.33	582.74
2023	415.00	0.00	0.00	0.00	0.00	0.00	111.43	526.43	29.15	46.76	830.45	99.69	21.11	134.31	575.34
2024	832.66	0.00	0.00	0.00	0.00	0.00	112.19	944.85	33.50	44.95	814.26	97.05	24.06	141.67	551.48
2025	528.64	0.00	0.00	0.00	3.52	0.00	102.83	634.99	36.34	43.22	744.58	95.08	22.91	133.40	493.18
2026	942.89	0.00	0.00	0.00	3.52	0.00	103.35	1049.75	41.24	41.38	778.62	94.52	23.43	139.98	520.68
2027	713.84	0.00	0.00	0.00	42.78	0.00	103.31	859.92	45.19	40.02	751.94	92.36	21.39	139.53	498.66
2028	644.68	0.00	0.00	0.00	22.19	0.00	96.92	763.79	48.59	38.74	740.13	90.60	22.71	142.87	483.95
2029	515.91	0.00	0.00	0.00	37.34	0.00	97.87	651.13	51.41	40.11	720.11	88.56	24.35	149.63	457.56
2030	907.18	0.00	0.00	0.00	64.65	0.00	99.54	1071.37	56.32	34.91	703.85	87.23	23.96	148.27	444.39
2031	405.96	0.00	0.00	0.00	86.62	0.00	101.93	594.51	58.83	47.93	832.57	91.67	25.08	125.79	590.02
2032	53.32	0.00	0.00	0.00	102.09	0.00	100.51	255.92	59.66	46.96	1047.25	98.57	25.20	119.33	804.16
2033	-0.39	0.00	0.00	0.00	0.00	0.00	106.89	106.50	59.71	45.67	1111.10	98.93	25.41	128.64	858.12
2034	0.00	0.00	0.00	0.00	0.00	0.00	112.28	112.28	59.77	44.76	1100.48	97.12	25.46	130.32	847.57
2035	0.00	0.00	0.00	0.00	0.00	0.00	115.74	115.74	59.82	43.07	1072.04	95.30	25.47	122.88	828.39
2036	0.00	0.00	0.00	0.00	0.00	0.00	163.63	163.63	59.87	42.40	1011.62	93.59	26.94	102.52	788.57
2037	0.00	0.00	0.00	0.00	0.00	0.00	119.48	119.48	59.91	41.65	990.08	91.90	27.85	102.35	767.96
2038	0.00	0.00	0.00	0.00	0.00	0.00	115.82	115.82	59.91	40.72	973.74	90.21	28.05	103.85	751.62
2039	0.00	0.00	0.00	0.00	0.00	0.00	129.62	129.62	59.92	43.13	955.94	88.55	28.36	112.97	726.05
2040	0.00	0.00	0.00	0.00	0.00	0.00	121.15	121.15	59.92	39.82	941.17	86.92	28.55	115.33	710.37
2041	0.00	0.00	0.00	0.00	0.00	0.00	115.05	115.05	59.93	42.02	922.38	85.31	28.73	118.07	690.27
2042	0.00	0.00	0.00	0.00	0.00	0.00	115.57	115.57	59.94	38.63	899.96	83.73	28.86	119.82	667.56
2043	0.00	0.00	0.00	0.00	0.00	0.00	82.55	82.55	59.94	38.14	874.73	82.18	28.98	122.09	641.48
2044	0.00	0.00	0.00	0.00	0.00	0.00	68.40	68.40	59.95	39.40	848.09	80.66	29.07	124.03	614.34
2045	0.00	0.00	0.00	0.00	0.00	0.00	61.98	61.98	59.95	38.94	820.42	79.16	29.09	126.43	585.74
2046	0.00	0.00	0.00	0.00	0.00	0.00	59.70	59.70	59.96	38.50	791.31	77.66	28.97	128.83	555.84
2047	0.00	0.00	0.00	0.00	0.00	0.00	58.38	58.38	59.97	36.55	763.64	76.27	28.63	130.71	528.03
2048	0.00	0.00	0.00	0.00	0.00	0.00	57.99	57.99	59.97	35.27	732.79	74.82	28.48	133.03	496.46
2049	0.00	0.00	0.00	0.00	1.09	0.37	53.55	55.01	59.97	37.75	762.58	76.25	28.69	130.86	526.78
2050	0.00	0.00	0.00	0.00	0.43	1.59	52.20	54.22	59.97	34.48	762.58	76.25	28.69	130.86	526.78
2051	0.00	0.00	0.00	0.00	15.00	20.62	51.77	87.39	59.97	36.99	762.58	76.25	28.69	130.86	526.78
2052	0.00	0.00	0.00	0.00	18.71	29.64	51.66	100.01	59.97	33.74	762.58	76.25	28.69	130.86	526.78
2053	0.00	0.00	0.00	0.00	19.60	14.01	52.87	86.48	59.97	33.38	762.58	76.25	28.69	130.86	526.78
2054	0.00	0.00	0.00	0.00	16.72	23.36	60.16	100.23	59.97	33.04	762.58	76.25	28.69	130.86	526.78
2055	0.00	0.00	0.00	0.00	0.00	23.53	64.83	88.36	59.97	32.72	762.58	76.25	28.69	130.86	526.78
2056	0.00	0.00	0.00	0.00	0.00	0.35	109.83	110.18	59.97	49.58	762.58	76.25	28.69	130.86	526.78
2057	0.00	0.00	0.00	0.00	0.00	0.00	73.00	73.00	59.97	33.82	762.58	76.25	28.69	130.86	526.78
2058	0.00	0.00	0.00	0.00	0.00	0.00	82.53	82.53	59.97	48.97	762.58	76.25	28.69	130.86	526.78
2059	0.00	0.00	0.00	0.00	0.00	0.00	81.67	81.67	59.97	36.13	762.58	76.25	28.69	130.86	526.78
2060	0.00	0.00	0.00	0.00	0.87	0.00	73.51	74.38	59.97	45.18	762.58	76.25	28.69	130.86	526.78
2061	0.00	0.00	0.00	0.00	0.87	0.00	64.58	65.45	59.97	30.89	762.58	76.25	28.69	130.86	526.78
2062	0.00	0.00	0.00	0.00	13.50	1.10	55.38	69.97	59.97	43.45	762.58	76.25	28.69	130.86	526.78
2063	0.00	0.00	0.00	0.00	5.94	0.05	57.18	63.16	59.97	28.00	762.58	76.25	28.69	130.86	526.78
2064	0.00	0.00	0.00	0.00	27.49	17.46	58.61	103.56	59.97	43.45	762.58	76.25	28.69	130.86	526.78
2065	0.00	0.00	0.00	0.00	23.41	1.98	68.43	93.82	59.97	28.00	762.58	76.25	28.69	130.86	526.78
2066	0.00	0.00	0.00	0.00	22.05	7.37	70.76	100.18	59.97	43.45	762.58	76.25	28.69	130.86	526.78
2067	0.00	0.00	0.00	0.00	36.25	63.10	69.49	168.84	59.97	28.00	762.58	76.25	28.69	130.86	526.78
2068	0.00	0.00	0.00	0.00	22.75	32.23	68.63	123.61	59.97	58.90	762.58	76.25	28.69	130.86	526.78
2069	0.00	0.00	0.00	0.00	23.12	22.86	68.46	114.45	59.97	30.89	762.58	76.25	28.69	130.86	526.78
2070	0.00	0.00	0.00	0.00	0.01	13.13	51.71	64.85	59.97	45.18	762.58	76.25	28.69	130.86	526.78
2071	0.00	0.00	0.00	0.00	0.00	0.05	51.88	51.93	59.97	32.62	762.58	76.25	28.69	130.86	526.78
2072	0.00	0.00	0.00	0.00	0.00	0.00	57.47	57.47	59.97	45.18	762.58	76.25	28.69	130.86	526.78
2073	0.00	0.00	0.00	0.00	0.00	0.00	78.05	78.05	59.97	28.87	762.58	76.25	28.69	130.86	526.78
2074	0.00	0.00	0.00	0.00	0.00	0.00	91.04	91.04	59.97	43.45	762.58	76.25	28.69	130.86	526.78
2075	0.00	0.00	0.00	0.00	2.65	0.00	98.09	100.74	59.97	28.00	762.58	76.25	28.69	130.86	526.78
2076	0.00	0.00	0.00	0.00	2.65	0.00	139.32	141.97	59.97	43.45	762.58	76.25	28.69	130.86	526.78
2077	0.00	0.00	0.00	0.00	32.34	0.00	101.55	133.89	59.97	28.00	762.58	76.25	28.69	130.86	526.78
2078	0.00	0.00	0.00	0.00	16.97	0.00	94.50	111.47	59.97	43.45	762.58	76.25	28.69	130.86	526.78
2079	0.00	0.00	0.00	0.00	28.64	0.00	84.87	113.51	59.97	30.89	762.58	76.25	28.69	130.86	526.78
2080	0.00	0.00	0.00	0.00	49.87	0.00	74.10	123.97	59.97	43.45	762.58	76.25	28.69	130.86	526.78
2081	0.00	0.00	0.00	0.00	65.75	0.00	66.50	132.26	59.97	30.89	762.58	76.25	28.69	130.86	526.78
2082	0.00	0.00	0.00	0.00	76.87	0.00	65.64	142.51	59.97	45.18	762.58	76.25	28.69	130.86	526.78
2083	0.00	0.00	0.00	0.00	0.00	0.00	64.06	64.06	59.97	29.73	762.58	76.25	28.69	130.86	526.78
2084	0.00	0.00	0.00	0.00	1.09	0.37	63.58	65.04	59.97	45.18	762.58	76.25	28.69	130.86	526.78
2085	0.00	0.00	0.00	0.00	0.43	1.59	54.80	56.82	59.97	29.73	762.58	76.25			

TABLE 012B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	13.19	381.69	0.00	0.00	11.53	20.31	142.06	568.78	2.67	0.91	0.00	0.00	0.00	0.00	0.00
2015	17.88	658.31	0.00	0.00	9.06	6.51	163.59	855.33	6.73	0.91	346.67	101.55	24.39	100.58	120.15
2016	21.90	727.23	0.00	0.00	16.18	29.23	314.25	1108.80	11.55	0.91	398.98	99.53	25.93	105.96	167.56
2017	20.98	891.38	0.00	0.00	29.74	92.74	206.32	1241.17	17.40	0.91	451.37	97.67	27.40	110.40	215.90
2018	21.11	510.95	0.00	0.00	42.34	112.47	205.66	892.54	21.49	0.91	474.76	95.17	28.78	113.77	237.04
2019	35.67	258.48	0.00	0.00	39.84	69.80	176.56	580.35	24.05	17.46	512.58	95.05	27.06	112.13	278.35
2020	45.47	136.75	0.00	0.00	0.01	217.46	144.12	543.82	26.53	51.75	758.65	102.75	19.97	118.00	517.93
2021	61.82	59.24	0.00	0.00	0.00	0.40	123.49	244.96	27.57	50.00	845.21	103.23	21.26	126.22	594.49
2022	74.84	0.00	0.00	0.00	0.00	0.00	150.98	225.82	28.38	48.72	857.72	101.62	21.90	129.34	604.86
2023	130.18	0.00	0.00	0.00	0.00	0.00	150.08	280.25	29.47	46.76	854.04	99.60	21.08	133.15	600.21
2024	104.46	0.00	0.00	0.00	0.00	0.00	148.24	252.71	30.42	44.95	841.43	96.99	24.12	140.03	580.29
2025	371.17	0.00	0.00	0.00	0.00	0.00	138.36	509.53	32.69	43.22	771.84	94.95	23.83	130.44	522.63
2026	842.49	0.00	0.00	0.00	0.00	0.00	139.16	981.66	37.31	41.38	813.32	94.55	24.01	137.62	557.14
2027	534.89	0.00	0.00	0.00	3.52	0.00	138.28	676.69	40.40	40.02	787.31	92.36	21.49	135.65	537.81
2028	954.02	0.00	0.00	0.00	3.52	0.00	112.70	1070.24	45.28	38.74	777.72	90.59	22.61	138.95	525.56
2029	722.27	0.00	0.00	0.00	42.78	0.00	119.18	884.22	49.16	40.11	763.97	88.91	23.26	142.33	509.47
2030	652.29	0.00	0.00	0.00	22.19	0.00	122.86	797.35	52.58	34.91	753.47	87.76	22.41	139.08	504.23
2031	522.01	0.00	0.00	0.00	37.34	0.00	128.33	687.68	55.43	33.67	739.42	85.89	24.04	145.57	483.91
2032	917.90	0.00	0.00	0.00	64.65	0.00	128.97	1111.52	60.40	32.47	716.44	84.14	24.87	148.85	458.59
2033	410.75	0.00	0.00	0.00	86.62	0.00	137.31	634.68	62.94	45.58	837.57	87.70	27.80	131.26	590.81
2034	53.95	0.00	0.00	0.00	102.09	0.00	140.45	296.49	63.77	44.68	1056.10	94.16	28.25	127.18	806.51
2035	-0.39	0.00	0.00	0.00	0.00	0.00	144.46	144.06	63.82	43.02	1119.88	95.47	26.52	120.31	877.58
2036	0.00	0.00	0.00	0.00	0.00	0.00	192.51	192.51	63.88	42.62	1058.13	93.69	27.15	100.03	837.25
2037	0.00	0.00	0.00	0.00	0.00	0.00	148.55	148.55	63.91	41.85	1032.66	91.90	27.51	99.41	813.85
2038	0.00	0.00	0.00	0.00	0.00	0.00	144.58	144.58	63.92	41.24	1019.65	90.18	28.15	101.39	799.92
2039	0.00	0.00	0.00	0.00	0.00	0.00	157.41	157.41	63.92	43.41	1001.77	88.51	28.48	110.31	774.47
2040	0.00	0.00	0.00	0.00	0.00	0.00	149.08	149.08	63.93	39.63	985.36	86.84	28.48	112.34	757.71
2041	0.00	0.00	0.00	0.00	0.00	0.00	143.03	143.03	63.93	39.19	967.40	85.24	28.73	115.04	738.40
2042	0.00	0.00	0.00	0.00	0.00	0.00	143.17	143.17	63.94	38.80	946.29	83.66	28.96	116.96	716.71
2043	0.00	0.00	0.00	0.00	0.00	0.00	102.14	102.14	63.95	41.03	920.91	82.11	29.00	119.08	690.72
2044	0.00	0.00	0.00	0.00	0.00	0.00	93.83	93.83	63.95	39.40	894.32	80.59	29.08	121.05	663.60
2045	0.00	0.00	0.00	0.00	0.00	0.00	89.01	89.01	63.96	38.94	867.34	79.10	29.11	123.24	635.89
2046	0.00	0.00	0.00	0.00	0.00	0.00	89.07	89.07	63.96	38.50	834.83	77.45	29.68	126.00	601.70
2047	0.00	0.00	0.00	0.00	0.00	0.00	89.75	89.75	63.97	37.21	815.00	76.38	28.35	125.37	584.91
2048	0.00	0.00	0.00	0.00	0.00	0.00	90.93	90.93	63.98	35.92	780.36	74.79	28.36	128.24	548.97
2049	0.00	0.00	0.00	0.00	1.09	0.37	83.74	85.20	63.98	37.75	810.07	76.21	28.80	126.54	578.52
2050	0.00	0.00	0.00	0.00	0.43	1.59	82.48	84.50	63.98	34.48	810.07	76.21	28.80	126.54	578.52
2051	0.00	0.00	0.00	0.00	15.00	20.62	82.15	117.77	63.98	34.10	810.07	76.21	28.80	126.54	578.52
2052	0.00	0.00	0.00	0.00	18.71	29.64	82.14	130.49	63.98	33.74	810.07	76.21	28.80	126.54	578.52
2053	0.00	0.00	0.00	0.00	19.60	14.01	82.77	116.38	63.98	36.27	810.07	76.21	28.80	126.54	578.52
2054	0.00	0.00	0.00	0.00	16.72	23.36	88.57	128.65	63.98	33.04	810.07	76.21	28.80	126.54	578.52
2055	0.00	0.00	0.00	0.00	0.00	23.53	93.30	116.83	63.98	32.72	810.07	76.21	28.80	126.54	578.52
2056	0.00	0.00	0.00	0.00	0.00	0.35	138.68	139.03	63.98	47.85	810.07	76.21	28.80	126.54	578.52
2057	0.00	0.00	0.00	0.00	0.00	0.00	100.99	101.00	63.98	32.09	810.07	76.21	28.80	126.54	578.52
2058	0.00	0.00	0.00	0.00	0.00	0.00	98.41	98.41	63.98	48.97	810.07	76.21	28.80	126.54	578.52
2059	0.00	0.00	0.00	0.00	0.00	0.00	103.23	103.23	63.98	36.13	810.07	76.21	28.80	126.54	578.52
2060	0.00	0.00	0.00	0.00	0.00	0.00	97.28	97.28	63.98	45.18	810.07	76.21	28.80	126.54	578.52
2061	0.00	0.00	0.00	0.00	0.00	0.00	90.67	90.67	63.98	29.73	810.07	76.21	28.80	126.54	578.52
2062	0.00	0.00	0.00	0.00	3.93	1.10	83.88	88.91	63.98	45.18	810.07	76.21	28.80	126.54	578.52
2063	0.00	0.00	0.00	0.00	1.59	0.05	87.70	89.34	63.98	30.89	810.07	76.21	28.80	126.54	578.52
2064	0.00	0.00	0.00	0.00	29.23	17.46	86.79	133.48	63.98	43.45	810.07	76.21	28.80	126.54	578.52
2065	0.00	0.00	0.00	0.00	13.84	1.98	98.52	114.35	63.98	28.00	810.07	76.21	28.80	126.54	578.52
2066	0.00	0.00	0.00	0.00	9.88	7.37	102.64	119.89	63.98	43.45	810.07	76.21	28.80	126.54	578.52
2067	0.00	0.00	0.00	0.00	25.82	63.10	101.71	190.62	63.98	28.00	810.07	76.21	28.80	126.54	578.52
2068	0.00	0.00	0.00	0.00	43.62	32.23	97.66	173.51	63.98	43.45	810.07	76.21	28.80	126.54	578.52
2069	0.00	0.00	0.00	0.00	48.34	22.86	96.25	167.45	63.98	30.89	810.07	76.21	28.80	126.54	578.52
2070	0.00	0.00	0.00	0.00	0.01	13.13	79.41	92.55	63.98	45.18	810.07	76.21	28.80	126.54	578.52
2071	0.00	0.00	0.00	0.00	0.00	0.05	80.24	80.30	63.98	29.73	810.07	76.21	28.80	126.54	578.52
2072	0.00	0.00	0.00	0.00	0.00	0.00	85.40	85.40	63.98	45.18	810.07	76.21	28.80	126.54	578.52
2073	0.00	0.00	0.00	0.00	0.00	0.00	97.88	97.88	63.98	31.75	810.07	76.21	28.80	126.54	578.52
2074	0.00	0.00	0.00	0.00	0.00	0.00	116.18	116.18	63.98	43.45	810.07	76.21	28.80	126.54	578.52
2075	0.00	0.00	0.00	0.00	0.00	0.00	125.34	125.34	63.98	28.00	810.07	76.21	28.80	126.54	578.52
2076	0.00	0.00	0.00	0.00	0.00	0.00	169.50	169.50	63.98	43.45	810.07	76.21	28.80	126.54	578.52
2077	0.00	0.00	0.00	0.00	2.65	0.00	132.90	135.55	63.98	28.00	810.07	76.21	28.80	126.54	578.52
2078	0.00	0.00	0.00	0.00	2.65	0.00	126.89	129.54	63.98	43.45	810.07	76.21	28.80	126.54	578.52
2079	0.00	0.00	0.00	0.00	32.34	0.00	114.51	146.86	63.98	30.89	810.07	76.21	28.80	126.54	578.52
2080	0.00	0.00	0.00	0.00	16.97	0.00	103.91	120.88	63.98	43.45	810.07	76.21	28.80	126.54	578.52
2081	0.00	0.00	0.00	0.00	28.64	0.00	96.38	125.03	63.98	28.00	810.07	76.21	28.80	126.54	578.52
2082	0.00	0.00	0.00	0.00	49.87	0.00	84.61	134.47	63.98	43.45	810.07	76.21	28.80	126.54	578.52
2083	0.00	0.00	0.00	0.00	65.75	0.00	93.93	159.68	63.98	30.89	810.07	76.21	28.80	126.54	578.52
2084	0.00	0.00	0.00	0.00	77.96	0.37	91.95	170.29	63.98	45.18	810.07	76.21	28.80	126.54	578.52
2085	0.00	0.00	0.00	0.00	0.43	1.59	83.19	85.20	63.98	29.73					

Plan 1: All Gas
 DSM Level 2
 Pipeline Load

TABLE Q13B
 ECONOMIC SUMMARY
 DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
 Discount Rate
 Capital Cost
 Reference
 4.65%
 Reference

FYB	Capital and Related Costs (Millions of 2014\$)								Net Average Flow Related Revenue (Millions of 2014\$)						
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	48.54	0.00	0.00	0.00	0.00	114.79	163.33	0.60	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	130.13	130.13	0.98	0.91	346.29	101.59	24.31	100.61	119.79
2016	0.00	0.00	0.00	0.00	0.00	0.00	276.16	276.16	1.58	0.91	398.29	99.63	25.52	106.41	166.72
2017	0.00	0.00	0.00	0.00	0.00	0.00	164.09	164.09	1.98	0.91	447.77	97.99	26.25	111.49	212.04
2018	0.00	0.00	0.00	0.00	0.00	0.00	164.00	164.00	2.35	0.91	459.97	95.18	28.69	116.84	219.26
2019	0.00	0.00	0.00	0.00	0.00	0.00	138.28	138.28	2.64	0.91	452.39	93.24	26.63	119.73	212.79
2020	0.00	0.00	0.00	0.00	0.00	0.00	105.49	105.49	2.86	0.91	477.94	92.70	22.45	123.91	238.88
2021	0.00	0.00	0.00	0.00	0.00	0.00	84.64	84.64	3.04	0.91	467.62	90.80	21.93	126.23	228.66
2022	0.00	0.00	71.58	0.00	0.00	0.00	112.02	183.60	3.58	0.91	461.95	89.16	22.85	129.00	220.94
2023	0.00	0.00	97.76	0.00	9.06	0.00	111.43	218.25	4.29	0.91	485.77	89.53	17.06	130.07	249.11
2024	0.00	0.00	14.83	0.00	0.00	0.00	112.19	127.02	4.55	4.88	477.52	87.51	29.39	130.61	230.01
2025	0.00	0.00	0.00	0.00	0.00	0.00	102.83	102.83	4.73	4.88	400.81	85.00	22.84	128.45	164.53
2026	0.00	0.00	0.00	0.00	0.00	0.00	103.35	103.35	4.90	4.88	380.88	82.89	25.15	132.57	140.27
2027	0.00	0.00	0.00	0.00	0.00	0.00	103.31	103.31	5.07	4.88	366.13	81.03	28.79	135.61	120.70
2028	0.00	0.00	0.00	0.00	0.00	0.00	96.92	96.92	5.13	4.88	347.40	78.77	35.75	141.62	91.27
2029	0.00	0.00	74.12	0.00	0.00	0.00	97.87	172.00	5.55	4.88	334.71	77.08	41.46	146.61	69.57
2030	0.00	0.00	101.23	0.00	71.36	0.00	99.54	272.13	6.47	4.88	358.87	78.31	35.22	136.81	108.52
2031	0.00	0.00	15.36	0.00	0.00	0.00	101.93	117.29	6.59	8.88	350.67	76.26	51.23	145.02	78.16
2032	0.00	0.00	0.00	0.00	0.00	0.00	100.51	100.51	6.65	8.88	336.06	74.44	60.05	151.22	50.34
2033	0.00	0.00	75.62	0.00	0.00	0.00	106.89	182.50	7.08	8.88	326.20	72.98	68.08	156.29	28.85
2034	0.00	0.00	103.27	0.00	0.00	0.00	112.28	215.56	7.65	8.88	336.49	72.87	67.57	154.93	41.12
2035	0.00	0.00	15.67	0.00	0.00	0.00	115.74	131.41	7.78	12.86	318.20	70.55	92.83	161.38	-6.56
2036	0.00	0.00	158.23	0.00	0.00	0.00	163.63	321.86	8.63	12.87	305.66	69.02	105.71	166.52	-35.58
2037	0.00	0.00	228.59	0.00	0.00	0.00	119.48	348.07	9.80	12.87	295.27	67.66	119.60	171.59	-63.58
2038	0.00	0.00	102.38	0.00	9.06	0.00	115.82	227.26	10.36	12.88	302.49	67.55	122.95	168.04	-56.04
2039	0.00	0.00	7.53	0.00	0.00	0.00	129.62	137.14	10.41	19.99	324.95	65.76	169.39	165.67	-75.87
2040	0.00	0.00	0.00	0.00	0.00	0.00	121.15	121.15	10.41	19.99	305.91	64.12	183.51	172.62	-114.34
2041	0.00	0.00	162.22	0.00	0.00	0.00	115.05	277.28	11.23	19.99	285.90	62.65	195.71	178.01	-150.47
2042	0.00	0.00	234.36	0.00	0.00	0.00	115.57	349.93	12.41	19.99	275.17	61.48	208.30	182.98	-177.58
2043	0.00	0.00	104.97	0.00	60.03	0.00	82.55	247.55	13.24	19.99	275.78	61.06	218.48	184.24	-188.01
2044	0.00	0.00	7.72	0.00	0.00	0.00	68.40	76.11	13.28	27.11	303.43	59.70	270.77	172.56	-199.61
2045	0.00	0.00	0.00	0.00	0.00	0.00	61.98	61.98	13.29	27.11	280.78	57.69	298.19	185.06	-260.16
2046	0.00	0.00	35.49	0.00	0.00	0.00	59.70	95.19	13.47	27.11	281.70	57.53	296.06	184.14	-256.04
2047	0.00	0.00	48.47	0.00	0.00	0.00	58.38	106.85	13.72	27.11	271.79	56.35	320.89	188.98	-294.43
2048	0.00	0.00	7.35	0.00	0.00	0.00	57.99	65.34	13.76	28.45	262.29	55.21	341.23	193.50	-327.65
2049	0.00	0.00	0.00	0.00	0.00	0.00	53.55	53.55	13.76	28.46	271.93	56.36	319.40	188.87	-292.70
2050	0.00	0.00	0.00	0.00	0.00	0.00	52.20	52.20	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2051	0.00	0.00	0.00	0.00	0.00	0.00	51.77	51.77	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2052	0.00	0.00	71.58	0.00	0.00	0.00	51.66	123.24	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2053	0.00	0.00	97.76	0.00	0.00	0.00	52.87	150.63	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2054	0.00	0.00	14.83	0.00	0.00	0.00	60.16	74.99	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2055	0.00	0.00	0.00	0.00	0.00	0.00	64.83	64.83	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2056	0.00	0.00	0.00	0.00	0.00	0.00	109.83	109.83	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2057	0.00	0.00	0.00	0.00	0.00	0.00	73.00	73.00	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2058	0.00	0.00	0.00	0.00	9.06	0.00	82.53	91.59	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2059	0.00	0.00	74.12	0.00	0.00	0.00	81.67	155.79	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2060	0.00	0.00	101.23	0.00	0.00	0.00	73.51	174.75	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2061	0.00	0.00	15.36	0.00	0.00	0.00	64.58	79.94	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2062	0.00	0.00	0.00	0.00	0.00	0.00	55.38	55.38	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2063	0.00	0.00	75.62	0.00	0.00	0.00	57.18	132.79	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2064	0.00	0.00	103.27	0.00	0.00	0.00	58.61	161.89	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2065	0.00	0.00	15.67	0.00	53.52	0.00	68.43	137.61	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2066	0.00	0.00	158.23	0.00	0.00	0.00	70.76	228.99	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2067	0.00	0.00	228.59	0.00	0.00	0.00	69.49	298.07	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2068	0.00	0.00	102.38	0.00	0.00	0.00	68.63	171.01	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2069	0.00	0.00	7.53	0.00	0.00	0.00	68.46	75.99	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2070	0.00	0.00	0.00	0.00	0.00	0.00	51.71	51.71	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2071	0.00	0.00	162.22	0.00	0.00	0.00	51.88	214.10	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2072	0.00	0.00	234.36	0.00	0.00	0.00	57.47	291.83	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2073	0.00	0.00	104.97	0.00	9.06	0.00	78.05	192.08	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2074	0.00	0.00	7.72	0.00	0.00	0.00	91.04	98.76	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2075	0.00	0.00	0.00	0.00	0.00	0.00	98.09	98.09	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2076	0.00	0.00	35.49	0.00	0.00	0.00	139.32	174.81	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2077	0.00	0.00	48.47	0.00	0.00	0.00	101.55	150.02	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2078	0.00	0.00	7.35	0.00	45.02	0.00	94.50	146.87	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2079	0.00	0.00	0.00	0.00	0.00	0.00	84.87	84.87	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2080	0.00	0.00	0.00	0.00	17.84	0.00	74.10	91.94	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2081	0.00	0.00	0.00	0.00	0.00	0.00	66.50	66.50	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2082	0.00	0.00	71.58	0.00	0.00	0.00	65.64	137.22	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2083	0.00	0.00	97.76	0.00	0.00	0.00	64.06	161.82	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2084	0.00	0.00	14.83	0.00	0.00	0.00	63.58	78.41	13.76	28.47	271.93	56.36	319.40	188.87	-292.70
2085	0.00	0.00	0.00	0.00	0.00	0.00	54.80	54.80	13.76	28.47	271.93	56.36	319.40	188.87	-292.70

Plan 1: All Gas
 DSM Level 3
 Pipeline Load

TABLE 014B
 ECONOMIC SUMMARY
 DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
 Discount Rate
 Capital Cost
 Reference
 4.65%
 Reference

FYB	Capital and Related Costs (Millions of 2014\$)									Net Average Flow Related Revenue (Millions of 2014\$)					
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	48.54	0.00	0.00	0.00	0.00	142.06	190.60	0.78	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	163.59	163.59	1.38	0.91	348.14	101.59	24.21	100.48	121.87
2016	0.00	0.00	0.00	0.00	0.00	0.00	314.25	314.25	2.23	0.91	402.73	99.64	25.63	106.44	171.01
2017	0.00	0.00	0.00	0.00	0.00	0.00	206.32	206.32	2.91	0.91	453.91	97.96	26.10	111.12	218.73
2018	0.00	0.00	0.00	0.00	0.00	0.00	205.66	205.66	3.56	0.91	470.14	95.16	28.66	116.42	229.90
2019	0.00	0.00	0.00	0.00	0.00	0.00	176.56	176.56	4.10	0.91	465.00	93.21	26.62	119.15	226.01
2020	0.00	0.00	0.00	0.00	0.00	0.00	144.12	144.12	4.58	0.91	493.76	92.67	22.41	123.25	255.42
2021	0.00	0.00	0.00	0.00	0.00	0.00	123.49	123.49	5.02	0.91	486.94	90.85	21.64	124.96	249.50
2022	0.00	0.00	0.00	0.00	0.00	0.00	150.98	150.98	5.45	0.91	484.48	89.23	22.62	127.59	245.20
2023	0.00	0.00	0.00	0.00	0.00	0.00	150.08	150.08	5.89	0.91	479.74	87.37	24.10	133.07	235.20
2024	0.00	0.00	0.00	0.00	0.00	0.00	148.24	148.24	6.31	0.91	470.21	85.54	24.69	137.67	222.31
2025	0.00	0.00	0.00	0.00	0.00	0.00	138.36	138.36	6.73	0.91	419.42	84.18	20.52	130.74	183.98
2026	0.00	0.00	0.00	0.00	0.00	0.00	139.16	139.16	7.14	0.91	417.74	82.89	21.89	133.47	179.49
2027	0.00	0.00	73.39	0.00	0.00	0.00	138.28	211.67	7.91	0.91	394.33	81.36	19.62	132.52	160.83
2028	0.00	0.00	100.23	0.00	9.06	0.00	112.70	221.99	8.55	0.91	387.64	80.41	18.16	132.18	156.89
2029	0.00	0.00	15.20	0.00	0.00	0.00	119.18	134.38	8.67	4.88	373.66	78.20	30.46	137.36	127.64
2030	0.00	0.00	0.00	0.00	0.00	0.00	122.86	122.86	8.72	4.88	368.74	76.93	35.85	136.58	119.39
2031	0.00	0.00	74.87	0.00	0.00	0.00	128.33	203.20	9.15	4.88	362.84	75.56	39.65	141.55	106.08
2032	0.00	0.00	102.25	0.00	71.36	0.00	128.97	302.58	10.07	4.88	370.17	75.56	37.67	138.85	118.09
2033	0.00	0.00	15.51	0.00	0.00	0.00	137.31	152.82	10.20	8.88	356.06	73.36	54.46	146.78	81.46
2034	0.00	0.00	0.00	0.00	0.00	0.00	140.45	140.45	10.26	8.88	341.23	71.56	62.72	154.47	52.48
2035	0.00	0.00	77.53	0.00	0.00	0.00	144.46	221.98	10.70	8.88	329.91	70.13	70.28	158.84	30.65
2036	0.00	0.00	105.88	0.00	0.00	0.00	192.51	298.39	11.28	8.88	337.45	70.02	69.37	156.64	41.41
2037	0.00	0.00	16.06	0.00	0.00	0.00	148.55	164.61	11.39	12.86	316.49	67.76	95.56	164.46	-11.29
2038	0.00	0.00	159.81	0.00	0.00	0.00	144.58	304.39	12.20	12.87	301.79	66.22	109.67	170.15	-44.25
2039	0.00	0.00	230.88	0.00	0.00	0.00	157.41	388.29	13.36	12.87	289.82	64.91	124.02	182.19	-81.30
2040	0.00	0.00	103.41	0.00	9.06	0.00	149.08	261.55	13.93	12.88	297.00	64.93	126.39	177.17	-71.48
2041	0.00	0.00	7.60	0.00	0.00	0.00	143.03	150.63	13.97	19.99	315.53	63.15	172.08	167.51	-87.21
2042	0.00	0.00	0.00	0.00	0.00	0.00	143.17	143.17	13.98	19.99	299.44	61.63	186.98	175.24	-124.41
2043	0.00	0.00	77.53	0.00	0.00	0.00	102.14	179.67	14.37	19.99	286.08	60.44	199.53	181.71	-155.60
2044	0.00	0.00	105.88	0.00	60.03	0.00	93.83	259.75	15.21	19.99	281.18	59.71	212.48	184.55	-175.56
2045	0.00	0.00	16.06	0.00	0.00	0.00	89.01	105.08	15.29	23.98	263.00	57.69	252.71	194.18	-241.58
2046	0.00	0.00	35.49	0.00	0.00	0.00	89.07	124.56	15.48	23.98	265.57	57.54	252.23	192.81	-237.01
2047	0.00	0.00	48.47	0.00	0.00	0.00	89.75	138.23	15.72	23.98	256.70	56.30	281.04	197.55	-278.18
2048	0.00	0.00	7.35	0.00	0.00	0.00	90.93	98.28	15.77	25.32	248.99	55.19	303.65	201.52	-311.38
2049	0.00	0.00	0.00	0.00	0.00	0.00	83.74	83.74	15.77	25.32	257.09	56.34	278.97	197.29	-275.52
2050	0.00	0.00	0.00	0.00	0.00	0.00	82.48	82.48	15.77	25.33	257.09	56.34	278.97	197.29	-275.52
2051	0.00	0.00	0.00	0.00	0.00	0.00	82.15	82.15	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2052	0.00	0.00	0.00	0.00	0.00	0.00	82.14	82.14	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2053	0.00	0.00	0.00	0.00	0.00	0.00	82.77	82.77	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2054	0.00	0.00	0.00	0.00	0.00	0.00	88.57	88.57	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2055	0.00	0.00	0.00	0.00	0.00	0.00	93.30	93.30	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2056	0.00	0.00	0.00	0.00	0.00	0.00	138.68	138.68	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2057	0.00	0.00	73.39	0.00	0.00	0.00	100.99	174.38	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2058	0.00	0.00	100.23	0.00	0.00	0.00	98.41	198.63	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2059	0.00	0.00	15.20	0.00	0.00	0.00	103.23	118.43	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2060	0.00	0.00	0.00	0.00	0.00	0.00	97.28	97.28	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2061	0.00	0.00	74.87	0.00	0.00	0.00	90.67	165.53	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2062	0.00	0.00	102.25	0.00	0.00	0.00	83.88	186.13	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2063	0.00	0.00	15.51	0.00	9.06	0.00	87.70	112.27	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2064	0.00	0.00	0.00	0.00	0.00	0.00	86.79	86.79	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2065	0.00	0.00	77.53	0.00	0.00	0.00	98.52	176.05	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2066	0.00	0.00	105.88	0.00	0.00	0.00	102.64	208.52	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2067	0.00	0.00	16.06	0.00	53.52	0.00	101.71	171.29	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2068	0.00	0.00	159.81	0.00	0.00	0.00	97.66	257.47	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2069	0.00	0.00	230.88	0.00	0.00	0.00	96.25	327.13	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2070	0.00	0.00	103.41	0.00	0.00	0.00	79.41	182.82	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2071	0.00	0.00	7.60	0.00	0.00	0.00	80.24	87.85	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2072	0.00	0.00	0.00	0.00	0.00	0.00	85.40	85.40	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2073	0.00	0.00	77.53	0.00	0.00	0.00	97.88	175.40	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2074	0.00	0.00	105.88	0.00	0.00	0.00	116.18	222.06	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2075	0.00	0.00	16.06	0.00	9.06	0.00	125.34	150.46	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2076	0.00	0.00	35.49	0.00	0.00	0.00	169.50	204.99	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2077	0.00	0.00	48.47	0.00	0.00	0.00	132.90	181.37	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2078	0.00	0.00	7.35	0.00	0.00	0.00	126.89	134.24	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2079	0.00	0.00	0.00	0.00	45.02	0.00	114.51	159.54	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2080	0.00	0.00	0.00	0.00	0.00	0.00	103.91	103.91	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2081	0.00	0.00	0.00	0.00	0.00	0.00	96.38	96.38	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2082	0.00	0.00	0.00	0.00	17.84	0.00	84.61	102.45	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2083	0.00	0.00	0.00	0.00	0.00	0.00	93.93	93.93	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2084	0.00	0.00	0.00	0.00	0.00	0.00	91.95	91.95	15.77	25.34	257.09	56.34	278.97	197.29	-275.52
2085	0.00	0.00	0.00	0.00	0.00	0.00	83.19	83.19	15.77	25.34	257.09	56.34	278.97		

Plan 5: K19/Gas/750MW
 DSM Level 2
 Pipeline Load

TABLE Q15B
 ECONOMIC SUMMARY
 DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
 Discount Rate
 Capital Cost
 Reference
 4.65%
 Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2014	0.00	381.69	0.00	0.00	11.53	20.31	114.79	528.32	2.42	0.91	0.00	0.00	0.00	0.00	
2015	0.00	658.31	0.00	0.00	9.06	6.51	130.13	804.00	6.17	0.91	345.07	101.59	24.31	100.62	118.55
2016	0.00	727.23	0.00	0.00	16.18	29.23	276.16	1048.80	10.64	0.91	395.02	99.64	25.50	106.55	163.33
2017	0.00	891.38	0.00	0.00	29.74	92.74	164.09	1177.95	16.11	0.91	441.17	97.81	26.91	112.24	204.21
2018	0.00	510.95	0.00	0.00	42.34	112.47	164.00	829.76	19.80	0.91	452.00	95.22	28.60	117.07	211.10
2019	0.00	258.48	0.00	0.00	39.84	69.80	138.28	506.40	21.93	17.46	481.39	95.10	27.15	117.31	241.83
2020	0.00	136.75	0.00	0.00	0.01	217.46	105.49	459.71	23.93	51.79	724.29	102.83	20.79	124.06	476.61
2021	0.00	59.24	0.00	0.00	0.00	0.40	84.64	144.28	24.41	50.00	805.30	103.36	21.25	132.94	547.76
2022	0.00	0.00	0.00	0.00	0.00	0.00	112.02	112.03	24.59	48.72	812.45	101.73	22.02	136.22	552.48
2023	0.00	0.00	0.00	0.00	0.00	0.00	111.43	111.43	24.77	46.76	805.02	99.77	21.53	141.18	542.53
2024	0.00	0.00	0.00	0.00	0.00	0.00	112.19	112.19	24.95	44.97	789.93	97.37	23.86	146.30	522.41
2025	0.00	0.00	0.00	0.00	0.00	0.00	102.83	102.83	25.13	43.24	721.61	95.35	21.76	138.71	465.79
2026	0.00	0.00	0.00	0.00	0.00	0.00	103.35	103.35	25.30	41.40	745.85	94.41	22.52	145.60	483.32
2027	0.00	0.00	0.00	0.00	0.00	0.00	103.31	103.31	25.47	40.03	724.50	92.33	21.74	147.81	462.63
2028	0.00	0.00	73.75	0.00	0.00	0.00	96.92	170.67	25.90	38.74	712.59	90.67	23.08	151.06	447.77
2029	0.00	0.00	174.85	0.00	9.06	0.00	97.87	281.79	26.87	40.11	736.97	92.14	13.12	143.94	487.77
2030	0.00	0.00	116.51	0.00	71.36	0.00	99.54	287.41	27.86	38.89	714.65	89.59	22.82	148.20	454.04
2031	0.00	0.00	15.36	0.00	0.00	0.00	101.93	117.29	27.99	41.64	699.70	87.31	33.91	154.75	423.74
2032	0.00	0.00	0.00	0.00	0.00	0.00	100.51	100.51	28.04	40.44	677.55	85.34	36.53	158.43	397.25
2033	0.00	0.00	0.00	0.00	0.00	0.00	106.89	106.89	28.09	39.28	667.76	83.63	40.22	165.23	378.68
2034	0.00	0.00	0.00	0.00	0.00	0.00	112.28	112.28	28.15	38.16	651.14	81.33	48.20	177.45	344.16
2035	0.00	0.00	0.00	0.00	0.00	0.00	115.74	115.74	28.20	36.65	614.30	80.42	39.91	165.29	328.99
2036	0.00	0.00	0.00	0.00	0.00	0.00	163.63	163.63	28.26	36.03	539.55	78.89	40.88	136.87	282.61
2037	0.00	0.00	0.00	0.00	0.00	0.00	119.48	119.48	28.29	35.45	531.21	78.09	40.81	135.25	277.06
2038	0.00	0.00	0.00	0.00	0.00	0.00	115.82	115.82	28.29	34.88	502.07	75.70	48.39	143.95	234.02
2039	0.00	0.00	0.00	0.00	0.00	0.00	129.62	129.62	28.30	37.22	483.87	74.04	53.91	157.12	198.80
2040	0.00	0.00	0.00	0.00	0.00	0.00	121.15	121.15	28.31	33.79	474.11	72.66	58.66	163.26	179.52
2041	0.00	0.00	0.00	0.00	0.00	0.00	115.05	115.05	28.31	33.27	454.85	71.02	64.73	170.26	148.84
2042	0.00	0.00	79.09	0.00	0.00	0.00	115.57	194.66	28.71	32.77	444.71	69.91	68.53	174.04	132.23
2043	0.00	0.00	108.02	0.00	0.00	0.00	82.55	190.56	29.26	32.28	454.54	69.95	64.24	172.19	148.16
2044	0.00	0.00	181.05	0.00	0.00	0.00	68.40	249.45	30.17	37.52	427.99	67.84	87.53	181.34	91.28
2045	0.00	0.00	237.89	0.00	0.00	0.00	61.98	299.87	31.37	37.06	414.30	66.59	99.93	186.65	61.13
2046	0.00	0.00	106.55	0.00	9.06	0.00	59.70	175.31	31.95	36.62	420.89	66.22	109.94	185.04	59.68
2047	0.00	0.00	7.84	0.00	0.00	0.00	58.38	66.21	32.00	42.44	471.10	65.01	166.78	179.52	59.79
2048	0.00	0.00	0.00	0.00	0.00	0.00	57.99	57.99	32.00	41.15	439.36	63.02	185.05	187.95	3.35
2049	0.00	0.00	0.00	0.00	1.09	0.37	53.55	55.01	32.00	43.64	443.78	64.75	153.92	184.17	40.94
2050	0.00	0.00	0.00	0.00	0.43	1.59	52.20	54.22	32.00	40.36	443.78	64.75	153.92	184.17	40.94
2051	0.00	0.00	0.00	0.00	15.00	20.62	51.77	87.39	32.00	39.99	443.78	64.75	153.92	184.17	40.94
2052	0.00	0.00	0.00	0.00	18.71	29.64	51.66	100.01	32.00	39.62	443.78	64.75	153.92	184.17	40.94
2053	0.00	0.00	0.00	0.00	19.60	14.01	52.87	86.48	32.00	39.27	443.78	64.75	153.92	184.17	40.94
2054	0.00	0.00	0.00	0.00	16.72	23.36	60.16	100.23	32.00	38.93	443.78	64.75	153.92	184.17	40.94
2055	0.00	0.00	0.00	0.00	0.00	23.53	64.83	88.36	32.00	38.60	443.78	64.75	153.92	184.17	40.94
2056	0.00	0.00	0.00	0.00	0.00	0.35	109.83	110.18	32.00	53.73	443.78	64.75	153.92	184.17	40.94
2057	0.00	0.00	0.00	0.00	0.00	0.00	73.00	73.00	32.00	37.98	443.78	64.75	153.92	184.17	40.94
2058	0.00	0.00	73.75	0.00	0.00	0.00	82.53	156.28	32.00	53.13	443.78	64.75	153.92	184.17	40.94
2059	0.00	0.00	174.85	0.00	0.00	0.00	81.67	256.52	32.00	40.28	443.78	64.75	153.92	184.17	40.94
2060	0.00	0.00	116.51	0.00	0.00	0.00	73.51	190.03	32.00	49.34	443.78	64.75	153.92	184.17	40.94
2061	0.00	0.00	15.36	0.00	0.00	0.00	64.58	79.94	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2062	0.00	0.00	0.00	0.00	3.06	1.10	55.38	59.54	32.00	49.34	443.78	64.75	153.92	184.17	40.94
2063	0.00	0.00	0.00	0.00	0.72	0.05	57.18	57.95	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2064	0.00	0.00	0.00	0.00	27.86	17.46	58.61	103.93	32.00	49.34	443.78	64.75	153.92	184.17	40.94
2065	0.00	0.00	0.00	0.00	62.15	1.98	68.43	132.55	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2066	0.00	0.00	0.00	0.00	1.18	7.37	70.76	79.31	32.00	49.34	443.78	64.75	153.92	184.17	40.94
2067	0.00	0.00	0.00	0.00	11.03	63.10	69.49	143.62	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2068	0.00	0.00	0.00	0.00	22.75	32.23	68.63	123.61	32.00	49.34	443.78	64.75	153.92	184.17	40.94
2069	0.00	0.00	0.00	0.00	23.12	22.86	68.46	114.45	32.00	36.77	443.78	64.75	153.92	184.17	40.94
2070	0.00	0.00	0.00	0.00	0.01	13.13	51.71	64.85	32.00	35.62	443.78	64.75	153.92	184.17	40.94
2071	0.00	0.00	0.00	0.00	0.00	0.05	51.88	51.93	32.00	35.62	443.78	64.75	153.92	184.17	40.94
2072	0.00	0.00	79.09	0.00	0.00	0.00	57.47	136.56	32.00	35.62	443.78	64.75	153.92	184.17	40.94
2073	0.00	0.00	108.02	0.00	0.00	0.00	78.05	186.06	32.00	34.75	443.78	64.75	153.92	184.17	40.94
2074	0.00	0.00	181.05	0.00	0.00	0.00	91.04	272.10	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2075	0.00	0.00	237.89	0.00	0.00	0.00	98.09	335.99	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2076	0.00	0.00	106.55	0.00	0.00	0.00	139.32	245.87	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2077	0.00	0.00	7.84	0.00	0.00	0.00	101.55	109.38	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2078	0.00	0.00	0.00	0.00	0.00	0.00	94.50	94.50	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2079	0.00	0.00	0.00	0.00	0.00	0.00	84.87	84.87	32.00	36.77	443.78	64.75	153.92	184.17	40.94
2080	0.00	0.00	0.00	0.00	17.84	0.00	74.10	91.94	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2081	0.00	0.00	0.00	0.00	9.06	0.00	66.50	75.56	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2082	0.00	0.00	0.00	0.00	0.00	0.00	65.64	65.64	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2083	0.00	0.00	0.00	0.00	0.00	0.00	64.06	64.06	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2084	0.00	0.00	0.00	0.00	1.09	0.37	63.58	65.04	32.00	33.89	443.78	64.75	153.92	184.17	40.94
2085	0.00	0.00	0.00	0.00	0.43	1.59	54.80	56.82	32.00	33.89	443.78	64.75	153.92	184.17</	

Plan 5: K19/Gas/750MW
 DSM Level 3
 Pipeline Load

TABLE 016B
 ECONOMIC SUMMARY
 DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
 Discount Rate 4.65%
 Capital Cost
 Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	142.06	555.58	2.60	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	658.31	0.00	0.00	9.06	6.51	163.59	837.46	6.57	0.91	346.93	101.59	24.31	100.55	120.49
2016	0.00	727.23	0.00	0.00	16.18	29.23	314.25	1086.90	11.28	0.91	398.96	99.63	25.54	106.44	167.35
2017	0.00	891.38	0.00	0.00	29.74	92.74	206.32	1220.19	17.03	0.91	447.78	97.79	26.93	111.99	211.06
2018	0.00	510.95	0.00	0.00	42.34	112.47	205.66	871.43	21.01	0.91	462.13	95.22	28.48	116.55	221.87
2019	0.00	258.48	0.00	0.00	39.84	69.80	176.56	544.68	23.40	17.46	494.32	95.10	27.01	116.70	255.52
2020	0.00	136.75	0.00	0.00	0.01	217.46	144.12	498.35	25.65	51.79	738.63	102.80	20.60	122.92	492.31
2021	0.00	59.24	0.00	0.00	0.00	0.40	123.49	183.14	26.38	50.00	822.47	103.31	21.13	131.63	566.40
2022	0.00	0.00	0.00	0.00	0.00	0.00	150.98	150.98	26.82	48.72	832.88	101.72	21.82	134.60	574.75
2023	0.00	0.00	0.00	0.00	0.00	0.00	150.08	150.08	27.25	46.76	828.01	99.73	21.28	139.19	567.81
2024	0.00	0.00	0.00	0.00	0.00	0.00	148.24	148.24	27.68	44.97	815.36	97.30	23.67	144.18	550.21
2025	0.00	0.00	0.00	0.00	0.00	0.00	138.36	138.36	28.09	43.24	749.22	95.28	22.09	135.56	496.28
2026	0.00	0.00	0.00	0.00	0.00	0.00	139.16	139.16	28.50	41.40	777.27	94.42	22.68	142.03	518.14
2027	0.00	0.00	0.00	0.00	0.00	0.00	138.28	138.28	28.90	40.03	757.74	92.31	21.46	144.00	499.97
2028	0.00	0.00	73.75	0.00	0.00	0.00	112.70	186.45	29.37	38.74	748.18	90.66	22.68	147.00	487.84
2029	0.00	0.00	100.73	0.00	9.06	0.00	119.18	228.97	29.97	40.11	759.89	90.89	16.99	145.08	506.92
2030	0.00	0.00	15.28	0.00	0.00	0.00	122.86	138.14	30.09	38.89	748.10	89.11	23.98	144.75	490.25
2031	0.00	0.00	74.87	0.00	0.00	0.00	128.33	203.20	30.52	37.65	740.89	87.63	24.46	149.67	479.13
2032	0.00	0.00	102.25	0.00	9.06	0.00	128.97	240.28	31.13	36.45	718.31	85.97	24.48	151.22	456.63
2033	0.00	0.00	15.51	0.00	0.00	0.00	137.31	152.82	31.26	39.27	704.07	84.05	34.90	156.08	429.04
2034	0.00	0.00	0.00	0.00	0.00	0.00	140.45	140.45	31.31	38.15	691.06	82.25	38.42	163.92	406.48
2035	0.00	0.00	0.00	0.00	0.00	0.00	144.46	144.46	31.37	36.63	643.22	80.55	35.24	156.06	371.37
2036	0.00	0.00	0.00	0.00	0.00	0.00	192.51	192.51	31.42	36.01	555.94	78.23	39.79	132.57	305.35
2037	0.00	0.00	0.00	0.00	0.00	0.00	148.55	148.55	31.45	35.41	548.45	77.40	39.68	132.10	299.27
2038	0.00	0.00	0.00	0.00	0.00	0.00	144.58	144.58	31.46	34.84	535.21	75.85	43.14	136.74	279.48
2039	0.00	0.00	0.00	0.00	0.00	0.00	157.41	157.41	31.47	37.18	535.97	75.11	42.85	145.72	272.30
2040	0.00	0.00	0.00	0.00	0.00	0.00	149.08	149.08	31.47	33.76	505.32	72.71	51.25	154.86	226.51
2041	0.00	0.00	0.00	0.00	0.00	0.00	143.03	143.03	31.48	33.24	487.00	71.20	55.79	160.76	199.25
2042	0.00	0.00	0.00	0.00	0.00	0.00	143.17	143.17	31.49	32.73	467.18	69.51	63.34	168.67	165.67
2043	0.00	0.00	0.00	0.00	0.00	0.00	102.14	102.14	31.49	32.25	457.91	68.53	66.70	172.30	150.38
2044	0.00	0.00	79.88	0.00	0.00	0.00	93.83	173.71	31.90	33.51	439.95	67.24	72.45	177.54	122.72
2045	0.00	0.00	109.10	0.00	71.36	0.00	89.01	269.47	32.80	33.05	449.21	67.26	68.68	175.93	137.33
2046	0.00	0.00	16.55	0.00	0.00	0.00	89.07	105.62	32.89	36.60	424.00	65.30	91.41	184.44	82.85
2047	0.00	0.00	0.00	0.00	0.00	0.00	89.75	89.75	32.90	35.30	407.93	64.08	101.56	189.33	52.96
2048	0.00	0.00	0.00	0.00	0.00	0.00	90.93	90.93	32.91	34.02	390.60	62.82	112.89	193.79	21.11
2049	0.00	0.00	0.00	0.00	1.09	0.37	83.74	85.20	32.91	36.51	407.51	64.07	101.95	189.19	52.31
2050	0.00	0.00	0.00	0.00	0.43	1.59	82.48	84.50	32.91	33.24	407.51	64.07	101.95	189.19	52.31
2051	0.00	0.00	0.00	0.00	15.00	20.62	82.15	117.77	32.91	32.87	407.51	64.07	101.95	189.19	52.31
2052	0.00	0.00	0.00	0.00	18.71	29.64	82.14	130.49	32.91	32.51	407.51	64.07	101.95	189.19	52.31
2053	0.00	0.00	0.00	0.00	19.60	14.01	82.77	116.38	32.91	32.16	407.51	64.07	101.95	189.19	52.31
2054	0.00	0.00	0.00	0.00	16.72	23.36	88.57	128.65	32.91	31.82	407.51	64.07	101.95	189.19	52.31
2055	0.00	0.00	0.00	0.00	0.00	23.53	93.30	116.83	32.91	31.49	407.51	64.07	101.95	189.19	52.31
2056	0.00	0.00	0.00	0.00	0.00	0.35	138.68	139.03	32.91	46.62	407.51	64.07	101.95	189.19	52.31
2057	0.00	0.00	0.00	0.00	0.00	0.00	100.99	101.00	32.91	30.87	407.51	64.07	101.95	189.19	52.31
2058	0.00	0.00	73.75	0.00	0.00	0.00	98.41	172.16	32.91	46.02	407.51	64.07	101.95	189.19	52.31
2059	0.00	0.00	100.73	0.00	0.00	0.00	103.23	203.96	32.91	33.17	407.51	64.07	101.95	189.19	52.31
2060	0.00	0.00	15.28	0.00	0.00	0.00	97.28	112.56	32.91	42.23	407.51	64.07	101.95	189.19	52.31
2061	0.00	0.00	74.87	0.00	0.00	0.00	90.67	165.53	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2062	0.00	0.00	102.25	0.00	3.06	1.10	83.88	190.29	32.91	42.23	407.51	64.07	101.95	189.19	52.31
2063	0.00	0.00	15.51	0.00	0.72	0.05	87.70	103.98	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2064	0.00	0.00	0.00	0.00	27.86	17.46	86.79	132.10	32.91	42.23	407.51	64.07	101.95	189.19	52.31
2065	0.00	0.00	0.00	0.00	8.63	1.98	98.52	109.13	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2066	0.00	0.00	0.00	0.00	1.18	7.37	102.64	111.19	32.91	42.23	407.51	64.07	101.95	189.19	52.31
2067	0.00	0.00	0.00	0.00	20.09	63.10	101.71	184.90	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2068	0.00	0.00	0.00	0.00	22.75	32.23	97.66	152.64	32.91	42.23	407.51	64.07	101.95	189.19	52.31
2069	0.00	0.00	0.00	0.00	23.12	22.86	96.25	142.23	32.91	29.66	407.51	64.07	101.95	189.19	52.31
2070	0.00	0.00	0.00	0.00	0.01	13.13	79.41	92.55	32.91	28.51	407.51	64.07	101.95	189.19	52.31
2071	0.00	0.00	0.00	0.00	0.00	0.05	80.24	80.30	32.91	28.51	407.51	64.07	101.95	189.19	52.31
2072	0.00	0.00	0.00	0.00	0.00	0.00	85.40	85.40	32.91	28.51	407.51	64.07	101.95	189.19	52.31
2073	0.00	0.00	0.00	0.00	0.00	0.00	97.88	97.88	32.91	27.64	407.51	64.07	101.95	189.19	52.31
2074	0.00	0.00	79.88	0.00	0.00	0.00	116.18	196.06	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2075	0.00	0.00	109.10	0.00	0.00	0.00	125.34	234.43	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2076	0.00	0.00	16.55	0.00	0.00	0.00	169.50	186.05	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2077	0.00	0.00	0.00	0.00	0.00	0.00	132.90	132.90	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2078	0.00	0.00	0.00	0.00	0.00	0.00	126.89	126.89	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2079	0.00	0.00	0.00	0.00	0.00	0.00	114.51	114.51	32.91	29.66	407.51	64.07	101.95	189.19	52.31
2080	0.00	0.00	0.00	0.00	53.52	0.00	103.91	157.43	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2081	0.00	0.00	0.00	0.00	0.00	0.00	96.38	96.38	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2082	0.00	0.00	0.00	0.00	0.00	0.00	84.61	84.61	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2083	0.00	0.00	0.00	0.00	0.00	0.00	93.93	93.93	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2084	0.00	0.00	0.00	0.00	1.09	0.37	91.95	93.42	32.91	26.78	407.51	64.07	101.95	189.19	52.31
2085	0.00	0.00	0.00	0.00	0.43	1.59	83.19	85.20	32.91	26.78	407.51	64			

TABLE 017B
 ECONOMIC SUMMARY
 DSM ANALYSIS - TOTAL RESOURCE COST

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	27.87	381.69	0.00	0.00	11.53	20.31	114.79	556.19	2.56	0.91	0.00	0.00	0.00	0.00	0.00
2015	20.98	658.31	0.00	0.00	9.06	6.51	130.13	824.98	6.42	0.91	345.07	101.60	24.30	100.60	118.57
2016	25.03	727.23	0.00	0.00	16.18	29.23	276.16	1073.83	11.00	0.91	395.02	99.64	25.52	106.54	163.32
2017	24.13	891.38	0.00	0.00	29.74	92.74	164.09	1202.08	16.60	0.91	441.18	97.82	26.93	112.22	204.21
2018	21.11	510.95	0.00	0.00	42.34	112.47	164.00	850.87	20.40	0.91	452.02	95.22	28.60	117.05	211.14
2019	35.67	258.48	0.00	0.00	39.84	69.80	138.28	542.07	22.71	17.46	481.39	95.10	27.11	117.31	241.87
2020	93.02	136.75	0.00	0.00	0.01	217.46	105.49	552.73	25.17	51.75	724.29	102.83	20.80	124.06	476.60
2021	70.77	59.24	0.00	0.00	0.00	0.40	84.64	215.05	26.00	50.00	805.31	103.35	21.24	132.94	547.79
2022	501.86	0.00	0.00	0.00	0.00	0.00	112.02	613.88	28.69	48.72	812.07	101.75	21.99	136.21	552.11
2023	827.79	0.00	0.00	0.00	0.00	0.00	111.43	939.22	33.01	46.76	804.15	99.76	21.59	141.30	541.49
2024	525.55	0.00	0.00	0.00	3.52	0.00	112.19	641.26	35.84	44.95	788.56	97.37	23.79	146.31	521.10
2025	937.37	0.00	0.00	0.00	3.52	0.00	102.83	1043.71	40.72	43.22	720.26	95.35	21.73	139.19	464.00
2026	709.66	0.00	0.00	0.00	42.78	0.00	103.35	855.78	44.65	41.38	743.01	94.42	22.54	145.89	480.16
2027	640.91	0.00	0.00	0.00	22.19	0.00	103.31	766.40	48.14	40.02	721.24	92.32	21.78	148.20	458.95
2028	512.89	0.00	0.00	0.00	37.34	0.00	96.92	647.15	50.95	38.74	701.09	90.14	24.63	154.50	431.81
2029	901.87	0.00	0.00	0.00	64.65	0.00	97.87	1064.40	55.83	40.11	684.71	88.44	26.11	160.15	410.01
2030	403.58	0.00	0.00	0.00	86.62	0.00	99.54	589.74	58.33	49.17	803.31	93.40	23.92	127.09	558.90
2031	53.01	0.00	0.00	0.00	102.09	0.00	101.93	257.03	59.16	48.16	1024.01	100.72	24.66	121.70	776.93
2032	-0.39	0.00	0.00	0.00	0.00	0.00	100.51	100.12	59.21	46.83	1087.73	101.02	24.61	133.39	828.70
2033	0.00	0.00	0.00	0.00	0.00	0.00	106.89	106.89	59.27	45.88	1074.61	99.06	25.05	136.38	814.12
2034	0.00	0.00	0.00	0.00	0.00	0.00	112.28	112.28	59.32	44.59	1060.14	97.22	25.38	137.55	799.99
2035	0.00	0.00	0.00	0.00	0.00	0.00	115.74	115.74	59.37	43.02	1036.52	95.48	25.28	131.63	784.14
2036	0.00	0.00	0.00	0.00	0.00	0.00	163.63	163.63	59.43	42.24	971.75	93.74	26.90	108.99	742.11
2037	0.00	0.00	0.00	0.00	0.00	0.00	119.48	119.48	59.46	41.29	946.92	92.03	27.21	108.29	719.39
2038	0.00	0.00	0.00	0.00	0.00	0.00	115.82	115.82	59.47	40.80	930.96	90.35	27.52	110.37	702.72
2039	0.00	0.00	0.00	0.00	0.00	0.00	129.62	129.62	59.47	43.25	911.37	88.67	27.69	119.64	675.36
2040	0.00	0.00	0.00	0.00	0.00	0.00	121.15	121.15	59.48	42.54	895.21	87.03	27.90	122.15	658.13
2041	0.00	0.00	0.00	0.00	0.00	0.00	115.05	115.05	59.48	39.13	875.42	85.41	28.07	124.96	636.98
2042	0.00	0.00	0.00	0.00	0.00	0.00	115.57	115.57	59.49	38.63	851.99	83.82	28.18	126.86	613.13
2043	0.00	0.00	0.00	0.00	0.00	0.00	82.55	82.55	59.50	38.14	826.67	82.26	28.32	129.67	586.43
2044	0.00	0.00	0.00	0.00	0.00	0.00	68.40	68.40	59.50	39.40	799.54	80.72	28.37	132.07	558.38
2045	0.00	0.00	0.00	0.00	0.00	0.00	61.98	61.98	59.51	38.94	771.64	79.22	28.41	134.72	529.29
2046	0.00	0.00	0.00	0.00	0.00	0.00	59.70	59.70	59.51	37.84	743.03	77.74	28.27	137.38	499.64
2047	0.00	0.00	0.00	0.00	0.00	0.00	58.38	58.38	59.52	36.55	713.59	76.30	28.06	139.67	469.56
2048	0.00	0.00	0.00	0.00	0.00	0.00	57.99	57.99	59.53	35.27	683.46	74.88	27.89	142.06	438.62
2049	0.00	0.00	0.00	0.00	1.09	0.37	53.55	55.01	59.53	37.75	713.36	76.31	28.07	139.70	469.27
2050	0.00	0.00	0.00	0.00	0.43	1.59	52.20	54.22	59.53	37.36	713.36	76.31	28.07	139.70	469.27
2051	0.00	0.00	0.00	0.00	15.00	20.62	51.77	87.39	59.53	34.10	713.36	76.31	28.07	139.70	469.27
2052	0.00	0.00	0.00	0.00	18.71	29.64	51.66	100.01	59.53	33.74	713.36	76.31	28.07	139.70	469.27
2053	0.00	0.00	0.00	0.00	19.60	14.01	52.87	86.48	59.53	33.38	713.36	76.31	28.07	139.70	469.27
2054	0.00	0.00	0.00	0.00	16.72	23.36	60.16	100.23	59.53	33.04	713.36	76.31	28.07	139.70	469.27
2055	0.00	0.00	0.00	0.00	0.00	23.53	64.83	88.36	59.53	34.45	713.36	76.31	28.07	139.70	469.27
2056	0.00	0.00	0.00	0.00	0.00	0.35	109.83	110.18	59.53	49.58	713.36	76.31	28.07	139.70	469.27
2057	0.00	0.00	0.00	0.00	0.00	0.00	73.00	73.00	59.53	33.82	713.36	76.31	28.07	139.70	469.27
2058	0.00	0.00	0.00	0.00	0.00	0.00	82.53	82.53	59.53	48.97	713.36	76.31	28.07	139.70	469.27
2059	0.00	0.00	0.00	0.00	0.87	0.00	81.67	82.54	59.53	36.13	713.36	76.31	28.07	139.70	469.27
2060	0.00	0.00	0.00	0.00	0.87	0.00	73.51	74.38	59.53	46.33	713.36	76.31	28.07	139.70	469.27
2061	0.00	0.00	0.00	0.00	10.44	0.00	64.58	75.02	59.53	28.00	713.36	76.31	28.07	139.70	469.27
2062	0.00	0.00	0.00	0.00	8.28	1.10	55.38	64.76	59.53	43.45	713.36	76.31	28.07	139.70	469.27
2063	0.00	0.00	0.00	0.00	9.41	0.05	57.18	66.64	59.53	28.00	713.36	76.31	28.07	139.70	469.27
2064	0.00	0.00	0.00	0.00	33.58	17.46	58.11	109.65	59.53	43.45	713.36	76.31	28.07	139.70	469.27
2065	0.00	0.00	0.00	0.00	29.50	1.98	68.43	99.90	59.53	28.00	713.36	76.31	28.07	139.70	469.27
2066	0.00	0.00	0.00	0.00	26.40	7.37	70.76	104.53	59.53	43.45	713.36	76.31	28.07	139.70	469.27
2067	0.00	0.00	0.00	0.00	11.03	63.10	69.49	143.62	59.53	43.45	713.36	76.31	28.07	139.70	469.27
2068	0.00	0.00	0.00	0.00	22.75	32.23	68.63	123.61	59.53	43.45	713.36	76.31	28.07	139.70	469.27
2069	0.00	0.00	0.00	0.00	23.12	22.86	68.46	114.45	59.53	46.33	713.36	76.31	28.07	139.70	469.27
2070	0.00	0.00	0.00	0.00	0.01	13.13	51.71	64.85	59.53	32.62	713.36	76.31	28.07	139.70	469.27
2071	0.00	0.00	0.00	0.00	0.00	0.05	51.88	51.93	59.53	45.18	713.36	76.31	28.07	139.70	469.27
2072	0.00	0.00	0.00	0.00	0.00	0.00	57.47	57.47	59.53	29.73	713.36	76.31	28.07	139.70	469.27
2073	0.00	0.00	0.00	0.00	0.00	0.00	78.05	78.05	59.53	44.31	713.36	76.31	28.07	139.70	469.27
2074	0.00	0.00	0.00	0.00	2.65	0.00	91.04	93.69	59.53	28.00	713.36	76.31	28.07	139.70	469.27
2075	0.00	0.00	0.00	0.00	2.65	0.00	98.09	100.74	59.53	43.45	713.36	76.31	28.07	139.70	469.27
2076	0.00	0.00	0.00	0.00	32.34	0.00	139.32	171.66	59.53	28.00	713.36	76.31	28.07	139.70	469.27
2077	0.00	0.00	0.00	0.00	16.97	0.00	101.55	118.52	59.53	43.45	713.36	76.31	28.07	139.70	469.27
2078	0.00	0.00	0.00	0.00	28.64	0.00	94.50	123.14	59.53	28.00	713.36	76.31	28.07	139.70	469.27
2079	0.00	0.00	0.00	0.00	49.87	0.00	84.87	134.74	59.53	46.33	713.36	76.31	28.07	139.70	469.27
2080	0.00	0.00	0.00	0.00	65.75	0.00	74.10	139.85	59.53	30.89	713.36	76.31	28.07	139.70	469.27
2081	0.00	0.00	0.00	0.00	76.87	0.00	66.50	143.37	59.53	45.18	713.36	76.31	28.07	139.70	469.27
2082	0.00	0.00	0.00	0.00	0.00	0.00	65.64	65.64	59.53	29.73	713.36	76.31	28.07	139.70	469.27
2083	0.00	0.00	0.00	0.00	0.00	0.00	64.06	64.06	59.53	45.18	713.36	76.31	28.07	139.70	469.27
2084	0.00	0.00	0.00	0.00	1.09	0.37	63.58	65.04	59.53	29.73	713.36	76.31	28.07	139.70	469.27
2085	0.00	0.00	0.00	0.00	0.43	1.59	54.80	56.82	59.53	45.18					

TABLE Q18B
 ECONOMIC SUMMARY
 DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
 Discount Rate
 Capital Cost
 Reference
 4.65%
 Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	27.87	381.69	0.00	0.00	11.53	20.31	142.06	583.45	2.74	0.91	0.00	0.00	0.00	0.00	0.00
2015	20.98	658.31	0.00	0.00	9.06	6.51	163.59	858.44	6.82	0.91	346.95	101.59	24.29	100.55	120.52
2016	25.03	727.23	0.00	0.00	16.18	29.23	314.25	1111.92	11.65	0.91	398.97	99.63	25.51	106.43	167.40
2017	24.13	891.38	0.00	0.00	29.74	92.74	206.32	1244.31	17.52	0.91	447.77	97.80	26.95	111.96	211.05
2018	21.11	510.95	0.00	0.00	42.34	112.47	205.66	892.54	21.61	0.91	462.17	95.22	28.49	116.56	221.89
2019	35.67	258.48	0.00	0.00	39.84	69.80	176.56	580.35	24.17	17.46	494.32	95.10	27.05	116.69	255.49
2020	93.02	136.75	0.00	0.00	0.01	217.46	144.12	591.36	26.89	51.75	738.67	102.80	20.60	122.92	492.36
2021	70.77	59.24	0.00	0.00	0.00	0.40	123.49	253.90	27.98	50.00	822.48	103.31	21.12	131.63	566.42
2022	501.86	0.00	0.00	0.00	0.00	0.00	150.98	652.84	30.92	48.72	832.44	101.73	21.78	134.62	574.31
2023	827.79	0.00	0.00	0.00	0.00	0.00	150.08	977.86	35.49	46.76	827.08	99.72	21.33	139.28	566.75
2024	525.55	0.00	0.00	0.00	3.52	0.00	148.24	677.31	38.56	44.95	814.17	97.31	23.61	144.19	549.05
2025	937.37	0.00	0.00	0.00	3.52	0.00	138.36	1079.25	43.68	43.22	747.94	95.29	21.98	136.04	494.63
2026	709.66	0.00	0.00	0.00	42.78	0.00	139.16	891.60	47.85	41.38	774.27	94.43	22.66	142.25	514.94
2027	640.91	0.00	0.00	0.00	22.19	0.00	138.28	801.38	51.57	40.02	754.70	92.31	21.48	144.41	496.50
2028	512.89	0.00	0.00	0.00	37.34	0.00	112.70	662.93	54.42	38.74	733.22	89.83	25.00	152.36	466.04
2029	901.87	0.00	0.00	0.00	64.65	0.00	119.18	1085.70	59.30	40.11	717.04	88.01	26.86	159.17	442.99
2030	403.58	0.00	0.00	0.00	86.62	0.00	122.86	613.07	61.80	49.17	845.80	93.55	24.08	124.28	603.88
2031	53.01	0.00	0.00	0.00	102.09	0.00	128.33	283.43	62.63	48.16	1066.54	100.77	24.50	118.91	822.36
2032	-0.39	0.00	0.00	0.00	0.00	0.00	128.97	128.58	62.68	46.83	1126.63	100.93	24.54	129.40	871.77
2033	0.00	0.00	0.00	0.00	0.00	0.00	137.31	137.31	62.74	45.88	1113.76	98.93	24.99	132.35	857.49
2034	0.00	0.00	0.00	0.00	0.00	0.00	140.45	140.45	62.79	44.59	1100.65	97.10	25.15	133.79	844.61
2035	0.00	0.00	0.00	0.00	0.00	0.00	144.46	144.46	62.84	43.02	1078.10	95.40	25.38	127.25	830.07
2036	0.00	0.00	0.00	0.00	0.00	0.00	192.51	192.51	62.90	42.24	1014.48	93.65	26.75	105.90	788.18
2037	0.00	0.00	0.00	0.00	0.00	0.00	148.55	148.55	62.93	41.29	990.33	91.94	27.22	105.39	765.78
2038	0.00	0.00	0.00	0.00	0.00	0.00	144.58	144.58	62.94	40.80	974.63	90.26	27.51	107.31	749.56
2039	0.00	0.00	0.00	0.00	0.00	0.00	157.41	157.41	62.94	43.25	956.36	88.60	27.72	116.68	723.37
2040	0.00	0.00	0.00	0.00	0.00	0.00	149.08	149.08	62.95	42.54	940.39	86.96	27.88	119.09	706.46
2041	0.00	0.00	0.00	0.00	0.00	0.00	143.03	143.03	62.95	39.13	920.58	85.34	28.03	121.61	685.60
2042	0.00	0.00	0.00	0.00	0.00	0.00	143.17	143.17	62.96	38.63	898.18	83.76	28.22	123.51	662.70
2043	0.00	0.00	0.00	0.00	0.00	0.00	102.14	102.14	62.97	38.14	872.69	82.20	28.31	126.06	636.12
2044	0.00	0.00	0.00	0.00	0.00	0.00	93.83	93.83	62.97	39.40	845.48	80.68	28.30	128.26	608.25
2045	0.00	0.00	0.00	0.00	0.00	0.00	89.01	89.01	62.98	38.94	818.45	79.17	28.39	131.11	579.79
2046	0.00	0.00	0.00	0.00	0.00	0.00	89.07	89.07	62.98	37.84	789.03	77.66	28.35	133.66	549.37
2047	0.00	0.00	0.00	0.00	0.00	0.00	89.75	89.75	62.99	36.55	761.73	76.30	27.96	135.20	522.27
2048	0.00	0.00	0.00	0.00	0.00	0.00	90.93	90.93	63.00	35.27	730.56	74.84	27.85	137.78	490.09
2049	0.00	0.00	0.00	0.00	1.09	0.37	83.74	85.20	63.00	37.75	760.44	76.27	28.05	135.55	520.58
2050	0.00	0.00	0.00	0.00	0.43	1.59	82.48	84.50	63.00	37.36	760.44	76.27	28.05	135.55	520.58
2051	0.00	0.00	0.00	0.00	15.00	20.62	82.15	117.77	63.00	34.10	760.44	76.27	28.05	135.55	520.58
2052	0.00	0.00	0.00	0.00	18.71	29.64	82.14	130.49	63.00	33.74	760.44	76.27	28.05	135.55	520.58
2053	0.00	0.00	0.00	0.00	19.60	14.01	82.77	116.38	63.00	33.38	760.44	76.27	28.05	135.55	520.58
2054	0.00	0.00	0.00	0.00	16.72	23.36	88.57	128.65	63.00	33.04	760.44	76.27	28.05	135.55	520.58
2055	0.00	0.00	0.00	0.00	0.00	23.53	93.30	116.83	63.00	34.45	760.44	76.27	28.05	135.55	520.58
2056	0.00	0.00	0.00	0.00	0.00	0.35	138.68	139.03	63.00	49.58	760.44	76.27	28.05	135.55	520.58
2057	0.00	0.00	0.00	0.00	0.00	0.00	100.99	101.00	63.00	33.82	760.44	76.27	28.05	135.55	520.58
2058	0.00	0.00	0.00	0.00	0.00	0.00	98.41	98.41	63.00	48.97	760.44	76.27	28.05	135.55	520.58
2059	0.00	0.00	0.00	0.00	0.87	0.00	103.23	104.10	63.00	36.13	760.44	76.27	28.05	135.55	520.58
2060	0.00	0.00	0.00	0.00	0.87	0.00	97.28	98.15	63.00	46.33	760.44	76.27	28.05	135.55	520.58
2061	0.00	0.00	0.00	0.00	10.44	0.00	90.67	101.10	63.00	28.00	760.44	76.27	28.05	135.55	520.58
2062	0.00	0.00	0.00	0.00	8.28	1.10	83.88	93.26	63.00	43.45	760.44	76.27	28.05	135.55	520.58
2063	0.00	0.00	0.00	0.00	9.41	0.05	87.70	97.17	63.00	28.00	760.44	76.27	28.05	135.55	520.58
2064	0.00	0.00	0.00	0.00	33.58	17.46	86.79	137.83	63.00	43.45	760.44	76.27	28.05	135.55	520.58
2065	0.00	0.00	0.00	0.00	29.50	1.98	98.52	130.00	63.00	28.00	760.44	76.27	28.05	135.55	520.58
2066	0.00	0.00	0.00	0.00	26.40	7.37	102.64	136.41	63.00	43.45	760.44	76.27	28.05	135.55	520.58
2067	0.00	0.00	0.00	0.00	11.03	63.10	101.71	175.84	63.00	43.45	760.44	76.27	28.05	135.55	520.58
2068	0.00	0.00	0.00	0.00	22.75	32.23	97.66	152.64	63.00	43.45	760.44	76.27	28.05	135.55	520.58
2069	0.00	0.00	0.00	0.00	23.12	22.86	96.25	142.23	63.00	46.33	760.44	76.27	28.05	135.55	520.58
2070	0.00	0.00	0.00	0.00	0.01	13.13	79.41	92.55	63.00	32.62	760.44	76.27	28.05	135.55	520.58
2071	0.00	0.00	0.00	0.00	0.00	0.05	80.24	80.30	63.00	45.18	760.44	76.27	28.05	135.55	520.58
2072	0.00	0.00	0.00	0.00	0.00	0.00	85.40	85.40	63.00	29.73	760.44	76.27	28.05	135.55	520.58
2073	0.00	0.00	0.00	0.00	0.00	0.00	97.88	97.88	63.00	44.31	760.44	76.27	28.05	135.55	520.58
2074	0.00	0.00	0.00	0.00	2.65	0.00	116.18	118.83	63.00	28.00	760.44	76.27	28.05	135.55	520.58
2075	0.00	0.00	0.00	0.00	2.65	0.00	125.34	127.99	63.00	43.45	760.44	76.27	28.05	135.55	520.58
2076	0.00	0.00	0.00	0.00	32.34	0.00	169.50	201.84	63.00	28.00	760.44	76.27	28.05	135.55	520.58
2077	0.00	0.00	0.00	0.00	16.97	0.00	132.90	149.88	63.00	43.45	760.44	76.27	28.05	135.55	520.58
2078	0.00	0.00	0.00	0.00	28.64	0.00	126.89	155.53	63.00	28.00	760.44	76.27	28.05	135.55	520.58
2079	0.00	0.00	0.00	0.00	49.87	0.00	114.51	164.38	63.00	46.33	760.44	76.27	28.05	135.55	520.58
2080	0.00	0.00	0.00	0.00	65.75	0.00	103.91	169.66	63.00	30.89	760.44	76.27	28.05	135.55	520.58
2081	0.00	0.00	0.00	0.00	76.87	0.00	96.38	173.25	63.00	45.18	760.44	76.27	28.05	135.55	520.58
2082	0.00	0.00	0.00	0.00	0.00	0.00	84.61	84.61	63.00	29.73	760.44	76.27	28.05	135.55	520.58
2083	0.00	0.00	0.00	0.00	0.00	0.00	93.93	93.93	63.00	45.18	760.44	76.27	28.05	135.55	520.58
2084	0.00	0.00	0.00	0.00	1.09	0.37	91.95	93.42	63.00	29.73	760.44	76.27	28.05	135.55	520.58
2085	0.00	0.00	0.00	0.00	0.43	1.59	83.19	85.20							

TABLE 019B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)									Net Average Flow Related Revenue (Millions of 2014\$)					
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.78	0.00	0.00	11.53	0.00	36.23	429.53	2.12	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	14.49	0.00	0.00	0.00	0.00	36.56	51.05	2.33	0.91	334.42	101.68	23.59	100.77	108.37
2016	0.00	14.44	0.00	0.00	0.00	0.00	34.97	49.41	2.55	0.91	365.51	99.77	25.34	106.68	133.72
2017	0.00	14.50	0.00	0.00	0.00	0.00	32.80	47.30	2.75	0.91	403.68	98.01	27.52	111.18	166.97
2018	0.00	14.24	0.00	0.00	0.00	0.00	32.18	46.42	2.91	0.91	403.66	95.23	29.77	116.57	162.09
2019	0.00	673.44	0.00	0.00	9.06	0.00	28.32	710.81	6.39	0.91	389.19	93.29	26.47	119.86	149.57
2020	0.00	744.14	0.00	0.00	16.18	0.00	28.36	788.68	10.26	0.94	405.22	92.53	22.87	125.92	163.90
2021	0.00	912.08	0.00	0.00	29.74	0.00	28.35	970.17	15.04	0.94	397.35	90.82	21.94	130.45	154.14
2022	0.00	522.84	0.00	0.00	42.34	0.00	28.42	593.61	17.93	0.94	395.29	89.32	23.24	136.33	146.40
2023	0.00	264.37	0.00	0.00	39.84	0.00	29.17	333.39	19.52	17.46	405.11	88.56	24.82	137.83	153.90
2024	0.00	139.75	0.00	0.00	0.01	0.00	27.67	167.43	20.28	17.59	540.04	94.76	24.46	119.04	301.78
2025	0.00	60.40	0.00	0.00	0.00	0.00	17.91	78.31	20.65	17.19	532.44	95.41	22.65	116.44	297.95
2026	0.00	0.00	0.00	0.00	0.00	0.00	16.11	16.11	20.70	17.41	529.68	94.18	23.14	118.80	293.57
2027	0.00	0.00	0.00	0.00	0.00	0.00	17.49	17.49	20.75	17.23	493.77	92.14	21.42	118.24	261.97
2028	0.00	0.00	0.00	0.00	0.00	0.00	9.74	9.74	20.78	17.09	468.39	89.95	24.05	121.83	232.57
2029	0.00	0.00	74.12	0.00	0.00	0.00	9.59	83.71	21.17	16.87	455.22	88.89	23.49	119.99	222.84
2030	0.00	0.00	101.23	0.00	9.06	0.00	9.45	119.75	21.75	16.45	446.89	88.85	15.87	113.09	229.08
2031	0.00	0.00	15.36	0.00	0.00	0.00	9.37	24.72	21.86	20.45	413.25	86.30	25.90	115.63	185.42
2032	0.00	0.00	75.24	0.00	0.00	0.00	9.36	84.60	22.26	20.49	393.96	84.55	29.03	118.63	161.74
2033	0.00	0.00	102.76	0.00	71.36	0.00	9.22	183.34	23.16	23.18	394.36	83.83	28.73	120.34	161.47
2034	0.00	0.00	15.59	0.00	0.00	0.00	9.16	24.75	23.26	23.25	374.41	81.42	45.88	126.89	120.21
2035	0.00	0.00	76.37	0.00	0.00	0.00	9.11	85.48	23.67	23.25	359.95	79.80	50.74	132.60	96.81
2036	0.00	0.00	104.31	0.00	0.00	0.00	9.09	113.40	24.22	23.25	354.83	79.00	51.73	133.23	90.87
2037	0.00	0.00	92.96	0.00	0.00	0.00	9.07	102.04	24.71	27.23	338.72	77.17	68.31	138.98	54.26
2038	0.00	0.00	105.35	0.00	60.03	0.00	2.72	168.10	25.54	27.24	325.21	75.76	78.01	144.27	27.16
2039	0.00	0.00	176.59	0.00	0.00	0.00	2.70	179.29	26.42	30.58	307.31	73.88	100.00	156.67	-23.25
2040	0.00	0.00	232.03	0.00	0.00	0.00	2.70	234.73	27.58	30.58	288.39	72.36	110.73	161.70	-56.40
2041	0.00	0.00	103.92	0.00	9.06	0.00	2.70	115.68	28.14	30.59	269.56	70.66	133.58	167.24	-101.91
2042	0.00	0.00	7.64	0.00	0.00	0.00	2.70	10.34	28.18	37.70	304.93	69.83	171.30	154.54	-90.75
2043	0.00	0.00	0.00	0.00	0.00	0.00	28.88	28.88	28.18	40.59	293.40	68.52	181.85	162.02	-118.98
2044	0.00	0.00	0.00	0.00	0.00	0.00	27.43	27.43	28.18	37.71	281.13	67.17	195.31	168.34	-149.89
2045	0.00	0.00	80.28	0.00	0.00	0.00	18.78	99.06	28.58	37.72	270.16	65.94	208.32	173.80	-177.89
2046	0.00	0.00	109.64	0.00	0.00	0.00	16.33	125.97	29.13	37.72	265.13	65.06	220.92	175.50	-196.35
2047	0.00	0.00	16.63	0.00	0.00	0.00	15.52	32.16	29.22	41.70	269.38	64.53	234.82	174.07	-204.04
2048	0.00	0.00	0.00	0.00	0.00	0.00	14.70	14.70	29.22	43.43	251.49	62.79	262.29	181.90	-255.49
2049	0.00	0.00	0.00	0.00	0.00	0.00	13.63	13.63	29.22	43.43	262.00	64.12	239.34	177.16	-218.63
2050	0.00	0.00	0.00	0.00	0.00	0.00	13.25	13.25	29.22	43.43	262.00	64.12	239.34	177.16	-218.63
2051	0.00	0.00	0.00	0.00	0.00	0.00	12.92	12.92	29.22	42.57	262.00	64.12	239.34	177.16	-218.63
2052	0.00	0.00	0.00	0.00	0.00	0.00	11.38	11.38	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2053	0.00	0.00	0.00	0.00	1.09	0.00	10.65	11.73	29.22	44.59	262.00	64.12	239.34	177.16	-218.63
2054	0.00	0.00	0.00	0.00	0.43	0.00	9.97	10.40	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2055	0.00	0.00	0.00	0.00	15.00	0.00	9.42	24.42	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2056	0.00	0.00	0.00	0.00	18.71	0.00	9.43	28.14	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2057	0.00	0.00	0.00	0.00	19.60	0.00	10.00	29.59	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2058	0.00	0.00	0.00	0.00	16.72	0.00	17.94	34.66	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2059	0.00	0.00	74.12	0.00	0.00	0.00	15.09	89.22	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2060	0.00	0.00	101.23	0.00	0.00	0.00	15.65	116.89	29.22	57.15	262.00	64.12	239.34	177.16	-218.63
2061	0.00	0.00	15.36	0.00	0.00	0.00	13.66	29.02	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2062	0.00	0.00	75.24	0.00	0.00	0.00	13.40	88.64	29.22	57.15	262.00	64.12	239.34	177.16	-218.63
2063	0.00	0.00	102.76	0.00	0.00	0.00	20.72	123.48	29.22	44.59	262.00	64.12	239.34	177.16	-218.63
2064	0.00	0.00	15.59	0.00	0.00	0.00	21.99	37.58	29.22	57.15	262.00	64.12	239.34	177.16	-218.63
2065	0.00	0.00	76.37	0.00	9.06	0.00	12.52	97.96	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2066	0.00	0.00	104.31	0.00	3.06	0.00	11.30	118.67	29.22	57.15	262.00	64.12	239.34	177.16	-218.63
2067	0.00	0.00	92.96	0.00	0.72	0.00	11.36	105.05	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2068	0.00	0.00	105.35	0.00	72.31	0.00	13.45	191.12	29.22	57.15	262.00	64.12	239.34	177.16	-218.63
2069	0.00	0.00	176.59	0.00	8.63	0.00	9.76	194.98	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2070	0.00	0.00	232.03	0.00	1.18	0.00	9.00	242.21	29.22	57.15	262.00	64.12	239.34	177.16	-218.63
2071	0.00	0.00	103.92	0.00	11.03	0.00	10.37	125.32	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2072	0.00	0.00	7.64	0.00	22.75	0.00	10.36	40.75	29.22	57.15	262.00	64.12	239.34	177.16	-218.63
2073	0.00	0.00	0.00	0.00	68.15	0.00	19.58	87.72	29.22	44.59	262.00	64.12	239.34	177.16	-218.63
2074	0.00	0.00	0.00	0.00	0.01	0.00	17.86	17.87	29.22	43.43	262.00	64.12	239.34	177.16	-218.63
2075	0.00	0.00	80.28	0.00	0.00	0.00	18.35	98.63	29.22	43.43	262.00	64.12	239.34	177.16	-218.63
2076	0.00	0.00	109.64	0.00	9.06	0.00	15.88	134.58	29.22	43.43	262.00	64.12	239.34	177.16	-218.63
2077	0.00	0.00	16.63	0.00	0.00	0.00	15.30	31.93	29.22	42.57	262.00	64.12	239.34	177.16	-218.63
2078	0.00	0.00	0.00	0.00	0.00	0.00	15.17	15.17	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2079	0.00	0.00	0.00	0.00	0.00	0.00	14.10	14.10	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2080	0.00	0.00	0.00	0.00	0.00	0.00	11.12	11.12	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2081	0.00	0.00	0.00	0.00	0.00	0.00	10.89	10.89	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2082	0.00	0.00	0.00	0.00	0.00	0.00	10.70	10.70	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2083	0.00	0.00	0.00	0.00	17.84	0.00	18.46	36.30	29.22	44.59	262.00	64.12	239.34	177.16	-218.63
2084	0.00	0.00	0.00	0.00	0.00	0.00	18.15	18.15	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2085	0.00	0.00	0.00	0.00	0.00	0.00	10.86	10.86	29.22	41.70	262.00	64.12	239.34	177.16	-218.63
2086	0.00	0.00	0.0												

TABLE 020B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

FYB	Capital and Related Costs (Millions of 2014\$)								Net Average Flow Related Revenue (Millions of 2014\$)						
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	48.54	0.00	0.00	0.00	0.00	19.91	68.45	0.39	0.91	-10.97	0.00	0.00	0.00	-10.97
2015	0.00	0.00	0.00	0.00	0.00	0.00	19.21	19.21	0.54	0.91	319.01	101.69	23.90	101.36	92.05
2016	0.00	0.00	0.00	0.00	0.00	0.00	18.51	18.51	0.68	0.91	345.94	99.77	25.10	107.75	113.31
2017	0.00	0.00	0.00	0.00	0.00	0.00	17.16	17.16	0.81	0.91	380.11	98.00	25.84	112.44	143.84
2018	0.00	0.00	0.00	0.00	0.00	0.00	16.23	16.23	0.89	0.91	377.05	95.23	28.34	117.96	135.52
2019	0.00	0.00	0.00	0.00	0.00	0.00	14.42	14.42	0.97	0.91	362.16	93.27	26.37	120.40	122.12
2020	0.00	0.00	0.00	0.00	0.00	0.00	13.41	13.41	1.03	0.91	377.42	92.58	22.63	125.56	136.66
2021	0.00	0.00	71.22	0.00	0.00	0.00	13.27	84.49	1.46	0.91	366.54	90.89	21.57	129.04	125.04
2022	0.00	0.00	97.27	0.00	9.06	0.00	13.18	119.52	2.05	0.91	369.51	90.12	19.86	132.57	126.96
2023	0.00	0.00	14.76	0.00	0.00	0.00	13.60	28.36	2.20	4.88	370.99	88.50	32.80	136.27	113.43
2024	0.00	0.00	0.00	0.00	0.00	0.00	13.21	13.21	2.26	4.88	362.35	86.90	35.87	142.68	96.91
2025	0.00	0.00	0.00	0.00	0.00	0.00	12.41	12.41	2.32	4.88	277.62	84.48	28.49	138.45	26.19
2026	0.00	0.00	0.00	0.00	0.00	0.00	10.64	10.64	2.38	4.88	255.30	82.39	32.75	144.20	-4.05
2027	0.00	0.00	73.39	0.00	0.00	0.00	10.40	83.79	2.80	4.88	239.56	80.73	37.77	148.08	-27.02
2028	0.00	0.00	173.98	0.00	71.36	0.00	5.33	250.67	4.05	4.88	255.36	81.53	33.05	144.95	-4.18
2029	0.00	0.00	268.73	0.00	0.00	0.00	5.33	274.06	5.42	8.88	240.69	79.32	49.23	153.31	-41.16
2030	0.00	0.00	236.03	0.00	0.00	0.00	5.33	241.36	6.63	12.85	239.34	78.04	73.38	147.08	-59.16
2031	0.00	0.00	98.87	0.00	9.06	0.00	5.33	113.26	7.19	12.85	237.78	76.86	85.64	152.34	-77.07
2032	0.00	0.00	7.27	0.00	0.00	0.00	5.35	12.62	7.26	19.96	272.06	75.20	137.99	141.40	-82.53
2033	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	7.28	19.97	251.46	72.83	157.02	151.12	-129.52
2034	0.00	0.00	75.99	0.00	0.00	0.00	5.35	81.34	7.69	19.98	251.95	72.05	165.48	154.27	-139.84
2035	0.00	0.00	103.79	0.00	60.03	0.00	5.35	169.17	8.53	19.98	239.87	70.87	174.90	157.49	-163.39
2036	0.00	0.00	173.97	0.00	0.00	0.00	5.35	179.32	9.43	23.98	232.05	69.42	197.38	161.97	-196.71
2037	0.00	0.00	228.59	0.00	0.00	0.00	5.35	233.93	10.60	23.98	221.69	68.08	213.18	167.81	-227.38
2038	0.00	0.00	102.38	0.00	0.00	0.00	0.01	102.39	11.11	23.98	215.43	66.98	232.19	170.76	-254.50
2039	0.00	0.00	7.53	0.00	0.00	0.00	0.01	7.53	11.15	31.09	236.00	65.65	273.66	166.14	-269.46
2040	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	11.15	31.10	222.57	64.26	291.01	171.97	-304.68
2041	0.00	0.00	78.69	0.00	0.00	0.00	0.01	78.70	11.54	31.10	208.72	63.04	306.76	176.73	-337.81
2042	0.00	0.00	107.48	0.00	60.03	0.00	0.01	167.52	12.38	31.11	201.85	61.97	324.68	181.53	-366.33
2043	0.00	0.00	16.30	0.00	0.00	0.00	0.01	16.31	12.46	35.11	194.25	60.77	347.68	187.36	-401.55
2044	0.00	0.00	79.88	0.00	0.00	0.00	0.01	79.89	12.86	35.11	185.37	59.63	365.62	193.28	-433.17
2045	0.00	0.00	109.10	0.00	0.00	0.00	0.01	109.10	13.41	35.11	178.05	58.58	386.81	197.11	-464.45
2046	0.00	0.00	16.55	0.00	0.00	0.00	0.01	16.56	13.49	39.09	171.95	57.45	412.32	200.50	-498.33
2047	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	13.49	39.09	170.08	56.92	420.43	200.29	-507.56
2048	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	13.49	39.10	157.31	55.40	452.97	205.76	-556.82
2049	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	13.49	39.10	166.45	56.59	428.57	202.18	-520.90
2050	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2051	0.00	0.00	71.22	0.00	0.00	0.00	0.01	71.23	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2052	0.00	0.00	97.27	0.00	0.00	0.00	0.01	97.28	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2053	0.00	0.00	14.76	0.00	0.00	0.00	0.01	14.76	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2054	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2055	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2056	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2057	0.00	0.00	73.39	0.00	9.06	0.00	0.01	82.45	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2058	0.00	0.00	173.98	0.00	0.00	0.00	0.01	173.99	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2059	0.00	0.00	268.73	0.00	0.00	0.00	0.01	268.74	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2060	0.00	0.00	236.03	0.00	0.00	0.00	0.01	236.03	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2061	0.00	0.00	98.87	0.00	0.00	0.00	0.01	98.87	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2062	0.00	0.00	7.27	0.00	0.00	0.00	0.01	7.28	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2063	0.00	0.00	0.00	0.00	53.52	0.00	0.01	53.53	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2064	0.00	0.00	75.99	0.00	0.00	0.00	0.01	76.00	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2065	0.00	0.00	103.79	0.00	0.00	0.00	0.01	103.80	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2066	0.00	0.00	173.97	0.00	9.06	0.00	0.01	183.04	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2067	0.00	0.00	228.59	0.00	0.00	0.00	0.01	228.59	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2068	0.00	0.00	102.38	0.00	0.00	0.00	0.01	102.39	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2069	0.00	0.00	7.53	0.00	0.00	0.00	0.01	7.53	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2070	0.00	0.00	0.00	0.00	45.02	0.00	0.01	45.03	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2071	0.00	0.00	78.69	0.00	0.00	0.00	0.01	78.70	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2072	0.00	0.00	107.48	0.00	0.00	0.00	0.01	107.48	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2073	0.00	0.00	16.30	0.00	0.00	0.00	0.01	16.31	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2074	0.00	0.00	79.88	0.00	0.00	0.00	0.01	79.89	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2075	0.00	0.00	109.10	0.00	0.00	0.00	0.01	109.10	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2076	0.00	0.00	16.55	0.00	0.00	0.00	0.01	16.56	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2077	0.00	0.00	0.00	0.00	45.02	0.00	0.01	45.03	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2078	0.00	0.00	0.00	0.00	17.84	0.00	0.01	17.85	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2080	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2081	0.00	0.00	71.22	0.00	0.00	0.00	0.01	71.23	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2082	0.00	0.00	97.27	0.00	0.00	0.00	0.01	97.28	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2083	0.00	0.00	14.76	0.00	0.00	0.00	0.01	14.76	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2084	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2085	0.00	0.00	0.00	0.00	15.01	0.00	0.01	15.01	13.49	39.11	166.45	56.59	428.57	202.18	-520.90
2086	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	13.49	39.11	166.45	56.59			

TABLE 021B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

FYB	Capital and Related Costs (Millions of 2014\$)								Net Average Flow Related Revenue (Millions of 2014\$)						
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	48.54	0.00	0.00	0.00	0.00	50.74	99.28	0.55	0.91	-14.28	0.00	0.00	0.00	-14.28
2015	0.00	0.00	0.00	0.00	0.00	0.00	55.32	55.32	0.87	0.91	316.49	101.65	24.02	101.27	89.55
2016	0.00	0.00	0.00	0.00	0.00	0.00	55.37	55.37	1.20	0.91	342.84	99.73	25.27	107.20	110.65
2017	0.00	0.00	0.00	0.00	0.00	0.00	46.76	46.76	1.48	0.91	378.15	97.97	25.99	111.81	142.38
2018	0.00	0.00	0.00	0.00	0.00	0.00	46.91	46.91	1.71	0.91	376.93	95.20	28.54	116.97	136.22
2019	0.00	0.00	0.00	0.00	0.00	0.00	42.51	42.51	1.93	0.91	363.36	93.25	26.56	119.29	124.26
2020	0.00	0.00	0.00	0.00	0.00	0.00	37.58	37.58	2.12	0.91	381.62	92.70	22.29	123.56	143.07
2021	0.00	0.00	0.00	0.00	0.00	0.00	32.33	32.33	2.28	0.91	367.53	90.89	21.65	125.78	129.21
2022	0.00	0.00	0.00	0.00	0.00	0.00	32.16	32.16	2.44	0.91	353.87	89.14	22.85	128.92	112.92
2023	0.00	0.00	0.00	0.00	0.00	0.00	32.04	32.04	2.60	0.91	345.10	87.54	23.76	134.08	99.72
2024	0.00	0.00	0.00	0.00	0.00	0.00	31.90	31.90	2.76	0.91	334.58	85.79	24.78	140.81	83.20
2025	0.00	0.00	0.00	0.00	0.00	0.00	32.12	32.12	2.92	0.91	266.04	84.05	20.96	133.72	27.30
2026	0.00	0.00	73.02	0.00	0.00	0.00	32.25	105.27	3.44	0.91	263.95	83.49	19.83	133.88	26.74
2027	0.00	0.00	99.73	0.00	9.06	0.00	32.17	140.96	4.15	0.91	245.03	82.47	15.46	132.48	14.62
2028	0.00	0.00	15.13	0.00	0.00	0.00	10.77	25.90	4.28	4.88	217.57	79.43	32.39	138.44	-32.69
2029	0.00	0.00	74.12	0.00	0.00	0.00	9.32	83.45	4.70	4.88	202.46	77.84	36.27	142.76	-54.41
2030	0.00	0.00	101.23	0.00	71.36	0.00	9.36	181.95	5.61	4.88	213.15	78.36	33.59	135.86	-34.66
2031	0.00	0.00	15.36	0.00	0.00	0.00	9.43	24.79	5.73	8.88	201.58	76.30	50.20	143.67	-68.58
2032	0.00	0.00	0.00	0.00	0.00	0.00	9.51	9.51	5.78	8.88	183.72	74.48	58.51	150.25	-99.51
2033	0.00	0.00	75.62	0.00	0.00	0.00	9.59	85.20	6.20	8.88	171.09	73.01	66.53	155.57	-124.02
2034	0.00	0.00	103.27	0.00	0.00	0.00	9.66	112.94	6.77	8.88	177.96	72.86	66.41	154.60	-115.91
2035	0.00	0.00	15.67	0.00	0.00	0.00	9.74	25.41	6.89	12.86	155.80	70.48	91.81	161.59	-168.07
2036	0.00	0.00	158.23	0.00	0.00	0.00	9.82	168.04	7.74	12.87	141.75	69.05	103.96	166.51	-197.76
2037	0.00	0.00	228.59	0.00	0.00	0.00	5.35	233.94	8.90	12.87	129.43	67.70	118.09	171.83	-228.19
2038	0.00	0.00	102.38	0.00	9.06	0.00	0.38	111.82	9.46	12.88	134.56	67.59	122.17	168.57	-223.77
2039	0.00	0.00	7.53	0.00	0.00	0.00	0.38	7.91	9.50	19.99	154.64	65.79	168.82	165.64	-245.62
2040	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	9.51	19.99	133.90	64.14	182.90	172.74	-285.88
2041	0.00	0.00	162.22	0.00	0.00	0.00	0.38	162.60	10.32	19.99	112.55	62.67	195.11	178.23	-323.45
2042	0.00	0.00	234.36	0.00	0.00	0.00	0.38	234.74	11.49	19.99	100.37	61.50	207.52	183.28	-351.93
2043	0.00	0.00	104.97	0.00	60.03	0.00	0.38	165.38	12.32	19.99	101.59	61.09	217.63	184.58	-361.72
2044	0.00	0.00	7.72	0.00	0.00	0.00	0.38	8.10	12.36	27.11	128.76	59.72	269.77	172.84	-373.57
2045	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.36	27.11	105.78	57.73	296.87	185.17	-433.99
2046	0.00	0.00	35.49	0.00	0.00	0.00	0.38	35.87	12.54	27.11	106.73	57.56	294.79	184.29	-429.91
2047	0.00	0.00	48.47	0.00	0.00	0.00	0.38	48.85	12.78	27.11	96.77	56.38	319.28	189.44	-468.33
2048	0.00	0.00	7.35	0.00	0.00	0.00	0.38	7.73	12.82	28.45	86.99	55.24	339.54	193.79	-501.58
2049	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.46	96.83	56.39	317.87	189.17	-466.61
2050	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2051	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2052	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2053	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2054	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2055	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2056	0.00	0.00	73.02	0.00	0.00	0.00	0.38	73.40	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2057	0.00	0.00	99.73	0.00	0.00	0.00	0.38	100.11	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2058	0.00	0.00	15.13	0.00	0.00	0.00	0.38	15.51	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2059	0.00	0.00	74.12	0.00	0.00	0.00	0.38	74.50	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2060	0.00	0.00	101.23	0.00	0.00	0.00	0.38	101.61	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2061	0.00	0.00	15.36	0.00	0.00	0.00	0.38	15.73	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2062	0.00	0.00	0.00	0.00	9.06	0.00	0.38	9.44	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2063	0.00	0.00	75.62	0.00	0.00	0.00	0.38	75.99	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2064	0.00	0.00	103.27	0.00	0.00	0.00	0.38	103.65	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2065	0.00	0.00	15.67	0.00	53.52	0.00	0.38	69.56	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2066	0.00	0.00	158.23	0.00	0.00	0.00	0.38	158.60	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2067	0.00	0.00	228.59	0.00	0.00	0.00	0.38	228.97	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2068	0.00	0.00	102.38	0.00	0.00	0.00	0.38	102.76	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2069	0.00	0.00	7.53	0.00	0.00	0.00	0.38	7.91	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2070	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2071	0.00	0.00	162.22	0.00	0.00	0.00	0.38	162.60	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2072	0.00	0.00	234.36	0.00	0.00	0.00	0.38	234.74	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2073	0.00	0.00	104.97	0.00	9.06	0.00	0.38	114.40	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2074	0.00	0.00	7.72	0.00	0.00	0.00	0.38	8.10	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2075	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2076	0.00	0.00	35.49	0.00	0.00	0.00	0.38	35.87	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2077	0.00	0.00	48.47	0.00	0.00	0.00	0.38	48.85	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2078	0.00	0.00	7.35	0.00	45.02	0.00	0.38	52.76	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2080	0.00	0.00	0.00	0.00	17.84	0.00	0.38	18.22	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2081	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2084	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2085	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2086	0.00	0.00	73.02	0.00	0.00	0.00	0.38	73.40	12.82	28.47	96.83	56.39	317.87	189.17	-466.61
2087	0.00	0.00	99												

TABLE Q23B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

FYB	Capital and Related Costs (Millions of 2014\$)									Net Average Flow Related Revenue (Millions of 2014\$)					
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	48.54	0.00	0.00	0.00	0.00	97.03	145.57	0.78	0.91	-21.40	0.00	0.00	0.00	-21.40
2015	0.00	0.00	0.00	0.00	0.00	0.00	110.40	110.40	1.38	0.91	311.08	101.54	24.32	100.54	84.68
2016	0.00	0.00	0.00	0.00	0.00	0.00	159.64	159.64	2.23	0.91	338.47	99.52	25.96	105.92	107.07
2017	0.00	0.00	0.00	0.00	0.00	0.00	126.53	126.53	2.91	0.91	376.20	97.87	26.43	109.50	142.40
2018	0.00	0.00	0.00	0.00	0.00	0.00	129.81	129.81	3.56	0.91	378.32	95.08	29.07	113.57	140.60
2019	0.00	0.00	0.00	0.00	0.00	0.00	108.72	108.72	4.10	0.91	368.69	93.12	27.12	115.43	133.02
2020	0.00	0.00	0.00	0.00	0.00	0.00	96.41	96.41	4.58	0.91	391.26	92.52	22.84	119.38	156.53
2021	0.00	0.00	0.00	0.00	0.00	0.00	87.21	87.21	5.02	0.91	380.84	90.73	21.92	121.04	147.14
2022	0.00	0.00	0.00	0.00	0.00	0.00	87.14	87.14	5.45	0.91	371.86	89.11	22.94	123.59	136.21
2023	0.00	0.00	0.00	0.00	0.00	0.00	86.88	86.88	5.89	0.91	366.70	87.61	23.12	127.50	128.46
2024	0.00	0.00	0.00	0.00	0.00	0.00	84.81	84.81	6.31	0.91	342.14	85.55	24.35	130.19	102.05
2025	0.00	0.00	0.00	0.00	0.00	0.00	82.98	82.98	6.73	0.91	283.36	83.75	21.90	124.85	52.87
2026	0.00	0.00	0.00	0.00	0.00	0.00	81.62	81.62	7.14	0.91	281.15	82.83	22.60	126.21	49.51
2027	0.00	0.00	0.00	0.00	0.00	0.00	80.69	80.69	7.54	0.91	251.07	81.01	20.98	126.29	22.78
2028	0.00	0.00	0.00	0.00	0.00	0.00	18.59	18.59	7.63	0.91	229.47	79.15	23.51	129.44	-2.62
2029	0.00	0.00	0.00	0.00	0.00	0.00	10.30	10.30	7.68	0.91	209.88	77.56	25.41	132.45	-25.54
2030	0.00	0.00	0.00	0.00	0.00	0.00	10.38	10.38	7.74	0.91	193.07	77.21	20.79	123.54	-28.47
2031	0.00	0.00	74.87	0.00	0.00	0.00	10.45	85.32	8.16	0.91	177.45	75.99	20.01	125.31	-43.86
2032	0.00	0.00	102.25	0.00	9.06	0.00	10.53	121.84	8.77	0.91	164.42	75.25	16.62	124.53	-51.98
2033	0.00	0.00	15.51	0.00	0.00	0.00	10.61	26.12	8.90	4.88	146.85	73.18	31.38	128.05	-85.75
2034	0.00	0.00	0.00	0.00	0.00	0.00	10.68	10.68	8.95	4.88	127.70	71.35	36.99	134.86	-115.50
2035	0.00	0.00	76.37	0.00	0.00	0.00	10.76	87.13	9.39	4.88	111.94	69.92	40.81	139.71	-138.50
2036	0.00	0.00	104.31	0.00	71.36	0.00	10.84	186.51	10.32	4.88	116.35	69.74	39.26	140.01	-132.67
2037	0.00	0.00	15.82	0.00	0.00	0.00	6.37	22.20	10.43	8.88	95.62	67.71	57.05	148.49	-177.64
2038	0.00	0.00	77.53	0.00	0.00	0.00	1.40	78.92	10.83	8.88	80.37	66.40	64.55	153.91	-204.48
2039	0.00	0.00	105.88	0.00	0.00	0.00	1.19	107.08	11.36	8.88	74.53	65.72	67.32	161.47	-219.99
2040	0.00	0.00	16.06	0.00	0.00	0.00	1.19	17.26	11.45	12.85	53.86	63.94	88.05	167.01	-265.14
2041	0.00	0.00	162.22	0.00	0.00	0.00	1.19	163.42	12.27	12.86	25.73	62.09	102.49	175.34	-314.19
2042	0.00	0.00	234.36	0.00	0.00	0.00	1.19	235.55	13.45	12.87	20.34	61.28	115.37	177.95	-334.26
2043	0.00	0.00	104.97	0.00	9.06	0.00	1.19	115.22	14.02	12.87	25.79	61.04	119.51	178.94	-333.70
2044	0.00	0.00	7.72	0.00	0.00	0.00	1.19	8.91	14.07	19.99	50.07	59.60	167.10	168.79	-345.42
2045	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	14.07	19.99	33.74	58.22	183.03	176.06	-383.57
2046	0.00	0.00	35.49	0.00	0.00	0.00	1.19	36.68	14.26	19.99	14.11	56.73	199.65	184.32	-426.58
2047	0.00	0.00	48.47	0.00	60.03	0.00	1.19	109.70	14.80	19.99	13.34	56.23	213.29	184.29	-440.45
2048	0.00	0.00	7.35	0.00	0.00	0.00	1.19	8.55	14.85	21.34	3.26	55.09	233.06	188.88	-473.77
2049	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	14.85	21.34	10.24	56.02	215.33	185.83	-446.94
2050	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	14.85	21.34	10.24	56.02	215.33	185.83	-446.94
2051	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	14.85	21.34	10.24	56.02	215.33	185.83	-446.94
2052	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	14.85	21.34	10.24	56.02	215.33	185.83	-446.94
2053	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	14.85	21.35	10.24	56.02	215.33	185.83	-446.94
2054	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2055	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2056	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2058	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2059	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2060	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2061	0.00	0.00	74.87	0.00	0.00	0.00	0.79	75.65	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2062	0.00	0.00	102.25	0.00	0.00	0.00	0.79	103.03	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2063	0.00	0.00	15.51	0.00	0.00	0.00	0.79	16.30	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2064	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2065	0.00	0.00	76.37	0.00	0.00	0.00	0.79	77.16	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2066	0.00	0.00	104.31	0.00	0.00	0.00	0.79	105.09	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2067	0.00	0.00	15.82	0.00	9.06	0.00	0.79	25.67	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2068	0.00	0.00	77.53	0.00	0.00	0.00	0.79	78.31	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2069	0.00	0.00	105.88	0.00	0.00	0.00	0.58	106.46	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2070	0.00	0.00	16.06	0.00	0.00	0.00	0.58	16.64	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2071	0.00	0.00	162.22	0.00	53.52	0.00	0.58	216.32	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2072	0.00	0.00	234.36	0.00	0.00	0.00	0.58	234.94	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2073	0.00	0.00	104.97	0.00	0.00	0.00	0.58	105.55	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2074	0.00	0.00	7.72	0.00	0.00	0.00	0.58	8.30	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2075	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2076	0.00	0.00	35.49	0.00	0.00	0.00	0.58	36.07	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2077	0.00	0.00	48.47	0.00	0.00	0.00	0.58	49.05	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2078	0.00	0.00	7.35	0.00	9.06	0.00	0.58	17.00	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2080	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2081	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2082	0.00	0.00	0.00	0.00	45.02	0.00	0.58	45.61	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2084	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2085	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2086	0.00	0.00	0.00	0.00	17.84	0.00	0.58	18.42	14.85	21.36	10.24	56.02	215.33	185.83	-446.94
2087	0.00	0.00	0.00	0.00											

TABLE 024B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	19.91	433.44	2.22	0.91	-10.97	0.00	0.00	0.00	-10.97
2015	0.00	658.31	0.00	0.00	9.06	6.51	19.21	693.08	5.73	0.91	317.89	101.70	23.87	101.44	90.89
2016	0.00	727.23	0.00	0.00	16.18	29.23	18.51	791.16	9.74	0.91	342.75	99.78	25.14	107.92	109.90
2017	0.00	891.38	0.00	0.00	29.74	92.74	17.16	1031.03	14.94	0.91	373.51	97.86	26.36	113.24	136.06
2018	0.00	510.95	0.00	0.00	42.34	112.47	16.23	682.00	18.35	0.91	369.00	95.28	28.20	118.06	127.45
2019	0.00	258.48	0.00	0.00	39.84	69.80	14.42	382.54	20.26	17.46	391.90	95.13	27.01	118.04	151.72
2020	0.00	136.75	0.00	0.00	0.01	217.46	13.41	367.63	22.10	51.79	628.92	102.82	20.75	126.64	378.71
2021	0.00	59.24	0.00	0.00	0.00	0.40	13.27	72.91	22.47	50.00	704.24	103.33	21.47	136.24	443.19
2022	0.00	0.00	0.00	0.00	0.00	0.00	13.18	13.18	22.53	48.72	704.73	101.79	22.29	140.00	440.65
2023	0.00	0.00	0.00	0.00	0.00	0.00	13.60	13.60	22.60	46.76	690.95	99.75	21.84	146.22	423.14
2024	0.00	0.00	72.30	0.00	0.00	0.00	13.21	85.51	23.03	44.97	675.09	97.92	22.66	149.78	404.74
2025	0.00	0.00	98.74	0.00	9.06	0.00	12.41	120.21	23.63	43.24	632.72	98.49	13.31	136.95	383.97
2026	0.00	0.00	14.98	0.00	0.00	0.00	10.64	25.62	23.76	45.37	629.79	95.43	24.99	148.78	360.60
2027	0.00	0.00	73.39	0.00	0.00	0.00	10.40	83.79	24.18	44.01	604.26	93.46	23.74	151.66	335.40
2028	0.00	0.00	173.98	0.00	71.36	0.00	5.33	250.67	25.43	42.72	589.73	92.07	23.04	157.28	317.33
2029	0.00	0.00	115.93	0.00	0.00	0.00	5.33	121.27	26.03	48.08	569.23	89.88	33.62	164.09	281.64
2030	0.00	0.00	15.28	0.00	0.00	0.00	5.33	20.61	26.14	46.86	557.39	87.58	51.02	168.58	250.21
2031	0.00	0.00	74.87	0.00	0.00	0.00	5.33	80.20	26.54	45.62	564.70	86.86	53.66	173.16	251.03
2032	0.00	0.00	102.25	0.00	60.03	0.00	5.35	167.63	27.38	44.42	556.41	85.41	61.52	177.93	231.55
2033	0.00	0.00	15.51	0.00	0.00	0.00	5.35	20.86	27.48	47.26	553.48	83.81	79.37	183.09	207.21
2034	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	27.51	46.14	546.40	82.21	91.15	190.54	182.50
2035	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	27.53	44.63	489.77	80.56	81.70	183.48	144.02
2036	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	27.56	44.01	410.93	79.07	80.93	155.18	95.75
2037	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	27.59	43.43	389.39	77.56	89.11	157.64	65.08
2038	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	27.59	42.86	376.11	76.08	97.63	162.98	39.43
2039	0.00	0.00	160.61	0.00	0.00	0.00	0.01	160.62	28.39	45.21	362.39	74.59	106.77	176.03	5.00
2040	0.00	0.00	232.03	0.00	0.00	0.00	0.01	232.04	29.55	41.79	351.31	73.16	116.28	181.69	-19.83
2041	0.00	0.00	103.92	0.00	9.06	0.00	0.01	112.99	30.12	41.27	346.69	72.23	127.94	183.46	-36.93
2042	0.00	0.00	7.64	0.00	0.00	0.00	0.01	7.65	30.15	47.88	392.97	70.76	181.56	179.53	-38.89
2043	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	30.15	47.39	375.60	69.26	193.24	185.48	-72.38
2044	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	30.15	48.65	358.49	67.89	202.17	191.71	-103.28
2045	0.00	0.00	80.28	0.00	0.00	0.00	0.01	80.29	30.56	48.19	343.27	66.60	213.70	196.34	-133.38
2046	0.00	0.00	109.64	0.00	0.00	0.00	0.01	109.65	31.10	47.75	333.47	65.56	226.73	198.52	-157.34
2047	0.00	0.00	16.63	0.00	0.00	0.00	0.01	16.64	31.19	50.43	335.29	64.97	240.36	197.03	-167.06
2048	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	31.19	49.15	307.82	63.10	264.54	202.25	-222.07
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.01	1.47	31.19	51.63	325.53	64.54	243.88	199.26	-182.16
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.01	2.03	31.19	48.36	325.53	64.54	243.88	199.26	-182.16
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.01	35.63	31.19	47.98	325.53	64.54	243.88	199.26	-182.16
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.01	48.36	31.19	47.62	325.53	64.54	243.88	199.26	-182.16
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.01	33.62	31.19	47.27	325.53	64.54	243.88	199.26	-182.16
2054	0.00	0.00	72.30	0.00	16.72	23.36	0.01	112.38	31.19	46.93	325.53	64.54	243.88	199.26	-182.16
2055	0.00	0.00	98.74	0.00	0.00	23.53	0.01	122.27	31.19	46.60	325.53	64.54	243.88	199.26	-182.16
2056	0.00	0.00	14.98	0.00	0.00	0.35	0.01	15.34	31.19	61.73	325.53	64.54	243.88	199.26	-182.16
2057	0.00	0.00	73.39	0.00	0.00	0.00	0.01	73.40	31.19	45.97	325.53	64.54	243.88	199.26	-182.16
2058	0.00	0.00	173.98	0.00	0.00	0.00	0.01	173.99	31.19	61.12	325.53	64.54	243.88	199.26	-182.16
2059	0.00	0.00	115.93	0.00	0.00	0.00	0.01	115.94	31.19	48.28	325.53	64.54	243.88	199.26	-182.16
2060	0.00	0.00	15.28	0.00	9.06	0.00	0.01	24.35	31.19	57.33	325.53	64.54	243.88	199.26	-182.16
2061	0.00	0.00	74.87	0.00	0.00	0.00	0.01	74.87	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2062	0.00	0.00	102.25	0.00	3.06	1.10	0.01	106.42	31.19	57.33	325.53	64.54	243.88	199.26	-182.16
2063	0.00	0.00	15.51	0.00	54.24	0.05	0.01	69.81	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2064	0.00	0.00	0.00	0.00	18.79	17.46	0.01	36.26	31.19	57.33	325.53	64.54	243.88	199.26	-182.16
2065	0.00	0.00	0.00	0.00	8.63	1.98	0.01	10.61	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2066	0.00	0.00	0.00	0.00	1.18	7.37	0.01	8.55	31.19	57.33	325.53	64.54	243.88	199.26	-182.16
2067	0.00	0.00	0.00	0.00	56.06	63.10	0.01	119.16	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.01	54.98	31.19	57.33	325.53	64.54	243.88	199.26	-182.16
2069	0.00	0.00	160.61	0.00	23.12	22.86	0.01	206.60	31.19	44.77	325.53	64.54	243.88	199.26	-182.16
2070	0.00	0.00	232.03	0.00	0.01	13.13	0.01	245.18	31.19	43.61	325.53	64.54	243.88	199.26	-182.16
2071	0.00	0.00	103.92	0.00	0.00	0.05	0.01	103.98	31.19	43.61	325.53	64.54	243.88	199.26	-182.16
2072	0.00	0.00	7.64	0.00	0.00	0.00	0.01	7.65	31.19	43.61	325.53	64.54	243.88	199.26	-182.16
2073	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	31.19	42.75	325.53	64.54	243.88	199.26	-182.16
2074	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2075	0.00	0.00	80.28	0.00	0.00	0.00	0.01	80.29	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2076	0.00	0.00	109.64	0.00	9.06	0.00	0.01	118.71	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2077	0.00	0.00	16.63	0.00	0.00	0.00	0.01	16.64	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2078	0.00	0.00	0.00	0.00	17.84	0.00	0.01	17.85	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	31.19	44.77	325.53	64.54	243.88	199.26	-182.16
2080	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2081	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2082	0.00	0.00	0.00	0.00	15.01	0.00	0.01	15.01	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2084	0.00	0.00	72.30	0.00	1.09	0.37	0.01	73.77	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2085	0.00	0.00	98.74	0.00	0.43	1.59	0.01	100.77	31.19	41.88	325.53	64.54	243.88	199.26	-182.16
2086	0.00	0.00	14.98	0.00	1										

TABLE 025B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	50.74	464.27	2.37	0.91	-14.28	0.00	0.00	-14.28	
2015	0.00	658.31	0.00	0.00	9.06	6.51	55.32	729.19	6.07	0.91	315.31	101.66	23.98	101.27	88.39
2016	0.00	727.23	0.00	0.00	16.18	29.23	55.37	828.01	10.25	0.91	339.75	99.74	25.32	107.41	107.28
2017	0.00	891.38	0.00	0.00	29.74	92.74	46.76	1060.63	15.61	0.91	371.26	97.80	26.54	112.50	134.41
2018	0.00	510.95	0.00	0.00	42.34	112.47	46.91	712.68	19.17	0.91	368.88	95.24	28.43	117.25	127.96
2019	0.00	258.48	0.00	0.00	39.84	69.80	42.51	410.62	21.22	17.46	392.33	95.10	27.07	116.87	153.29
2020	0.00	136.75	0.00	0.00	0.01	217.46	37.58	391.81	23.18	51.79	629.16	102.80	20.72	124.22	381.42
2021	0.00	59.24	0.00	0.00	0.00	0.40	32.33	91.97	23.64	50.00	705.22	103.31	21.31	133.28	447.32
2022	0.00	0.00	0.00	0.00	0.00	0.00	32.16	32.16	23.80	48.72	707.02	101.76	22.04	136.62	446.59
2023	0.00	0.00	0.00	0.00	0.00	0.00	32.04	32.04	23.96	46.76	694.96	99.77	21.61	141.67	431.92
2024	0.00	0.00	0.00	0.00	0.00	0.00	31.90	31.90	24.12	44.97	675.78	97.44	23.71	146.75	407.89
2025	0.00	0.00	0.00	0.00	0.00	0.00	32.12	32.12	24.28	43.24	603.94	95.43	21.50	139.70	347.31
2026	0.00	0.00	0.00	0.00	0.00	0.00	32.25	32.25	24.44	41.40	621.07	94.41	22.39	146.47	357.80
2027	0.00	0.00	0.00	0.00	0.00	0.00	32.17	32.17	24.61	40.03	595.29	92.34	21.74	148.84	332.38
2028	0.00	0.00	73.75	0.00	0.00	0.00	10.77	84.53	25.03	38.74	580.21	90.67	23.19	152.27	314.08
2029	0.00	0.00	174.85	0.00	9.06	0.00	9.32	193.24	25.99	40.11	599.68	92.05	13.30	145.35	348.98
2030	0.00	0.00	116.51	0.00	71.36	0.00	9.36	197.23	26.98	38.89	575.24	89.63	22.57	149.01	314.02
2031	0.00	0.00	15.36	0.00	0.00	0.00	9.43	24.79	27.10	41.64	556.73	87.35	33.77	155.51	280.10
2032	0.00	0.00	0.00	0.00	0.00	0.00	9.51	9.51	27.15	40.44	528.23	85.40	35.66	158.28	248.89
2033	0.00	0.00	0.00	0.00	0.00	0.00	9.59	9.59	27.20	39.28	516.56	83.69	39.31	165.87	227.68
2034	0.00	0.00	0.00	0.00	0.00	0.00	9.66	9.66	27.25	38.16	496.13	81.34	47.44	178.25	189.10
2035	0.00	0.00	0.00	0.00	0.00	0.00	9.74	9.74	27.30	36.65	456.25	80.43	39.48	166.24	170.11
2036	0.00	0.00	0.00	0.00	0.00	0.00	9.82	9.82	27.35	36.03	377.17	78.90	40.66	137.18	120.43
2037	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	27.37	35.45	366.52	78.11	40.61	135.54	112.26
2038	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	27.37	34.88	334.56	75.69	48.40	144.55	65.91
2039	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	27.38	37.22	312.96	73.91	54.57	158.63	25.84
2040	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	27.38	33.79	302.84	72.56	59.69	165.48	5.11
2041	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	27.38	33.27	288.08	71.17	64.17	171.43	-18.70
2042	0.00	0.00	79.09	0.00	0.00	0.00	0.38	79.47	27.78	32.77	276.90	70.06	67.37	175.17	-35.68
2043	0.00	0.00	108.02	0.00	0.00	0.00	0.38	108.39	28.32	32.28	284.08	69.98	64.11	173.82	-23.83
2044	0.00	0.00	181.05	0.00	0.00	0.00	0.38	181.43	29.23	37.52	257.09	67.87	87.49	182.84	-81.10
2045	0.00	0.00	237.89	0.00	0.00	0.00	0.38	238.27	30.42	37.06	243.01	66.61	99.67	187.87	-111.14
2046	0.00	0.00	106.55	0.00	9.06	0.00	0.38	115.99	31.00	36.62	249.86	66.26	109.46	186.22	-112.09
2047	0.00	0.00	7.84	0.00	0.00	0.00	0.38	8.21	31.04	42.44	299.47	65.03	166.42	180.65	-112.64
2048	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	31.04	41.15	267.71	63.04	184.77	188.93	-169.03
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.38	1.84	31.04	43.64	272.35	64.78	153.55	185.27	-131.25
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.38	2.40	31.04	40.36	272.35	64.78	153.55	185.27	-131.25
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.38	36.00	31.04	39.99	272.35	64.78	153.55	185.27	-131.25
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.38	48.73	31.04	39.62	272.35	64.78	153.55	185.27	-131.25
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.38	33.99	31.04	39.27	272.35	64.78	153.55	185.27	-131.25
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.38	40.45	31.04	38.93	272.35	64.78	153.55	185.27	-131.25
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.38	23.90	31.04	38.60	272.35	64.78	153.55	185.27	-131.25
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.38	0.73	31.04	53.73	272.35	64.78	153.55	185.27	-131.25
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	31.04	37.98	272.35	64.78	153.55	185.27	-131.25
2058	0.00	0.00	73.75	0.00	0.00	0.00	0.38	74.13	31.04	53.13	272.35	64.78	153.55	185.27	-131.25
2059	0.00	0.00	174.85	0.00	0.00	0.00	0.38	175.23	31.04	40.28	272.35	64.78	153.55	185.27	-131.25
2060	0.00	0.00	116.51	0.00	0.00	0.00	0.38	116.89	31.04	49.34	272.35	64.78	153.55	185.27	-131.25
2061	0.00	0.00	15.36	0.00	0.00	0.00	0.38	15.73	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2062	0.00	0.00	0.00	0.00	3.06	1.10	0.38	4.54	31.04	49.34	272.35	64.78	153.55	185.27	-131.25
2063	0.00	0.00	0.00	0.00	0.72	0.05	0.38	1.15	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2064	0.00	0.00	0.00	0.00	27.86	17.46	0.38	45.69	31.04	49.34	272.35	64.78	153.55	185.27	-131.25
2065	0.00	0.00	0.00	0.00	62.15	1.98	0.38	64.50	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2066	0.00	0.00	0.00	0.00	1.18	7.37	0.38	8.93	31.04	49.34	272.35	64.78	153.55	185.27	-131.25
2067	0.00	0.00	0.00	0.00	11.03	63.10	0.38	74.51	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.38	55.35	31.04	49.34	272.35	64.78	153.55	185.27	-131.25
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.38	46.36	31.04	36.77	272.35	64.78	153.55	185.27	-131.25
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.38	13.52	31.04	35.62	272.35	64.78	153.55	185.27	-131.25
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.38	0.43	31.04	35.62	272.35	64.78	153.55	185.27	-131.25
2072	0.00	0.00	79.09	0.00	0.00	0.00	0.38	79.47	31.04	35.62	272.35	64.78	153.55	185.27	-131.25
2073	0.00	0.00	108.02	0.00	0.00	0.00	0.38	108.39	31.04	34.75	272.35	64.78	153.55	185.27	-131.25
2074	0.00	0.00	181.05	0.00	0.00	0.00	0.38	181.43	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2075	0.00	0.00	237.89	0.00	0.00	0.00	0.38	238.27	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2076	0.00	0.00	106.55	0.00	0.00	0.00	0.38	106.93	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2077	0.00	0.00	7.84	0.00	0.00	0.00	0.38	8.21	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2078	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	31.04	36.77	272.35	64.78	153.55	185.27	-131.25
2080	0.00	0.00	0.00	0.00	17.84	0.00	0.38	18.22	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2081	0.00	0.00	0.00	0.00	9.06	0.00	0.38	9.44	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.38	1.84	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.38	2.40	31.04	33.89	272.35	64.78	153.55	185.27	-131.25
2086	0.00	0.00	0.00	0.00	15.00	20.62	0.38	36.00	31.04						

TABLE Q26B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	61.08	474.60	2.42	0.91	-20.26	0.00	0.00	0.00	-20.26
2015	0.00	658.31	0.00	0.00	9.06	6.51	66.46	740.32	6.17	0.91	310.77	101.55	24.43	100.65	84.15
2016	0.00	727.23	0.00	0.00	16.18	29.23	109.95	882.59	10.64	0.91	336.02	99.54	25.87	106.14	104.48
2017	0.00	891.38	0.00	0.00	29.74	92.74	71.39	1085.26	16.11	0.91	370.68	97.68	27.37	110.67	134.96
2018	0.00	510.95	0.00	0.00	42.34	112.47	73.10	738.87	19.80	0.91	371.38	95.19	28.84	114.18	133.18
2019	0.00	258.48	0.00	0.00	39.84	69.80	57.30	425.42	21.93	17.46	396.16	95.09	27.08	112.55	161.44
2020	0.00	136.75	0.00	0.00	0.01	217.46	45.17	399.40	23.93	51.79	631.74	102.76	20.18	118.59	390.21
2021	0.00	59.24	0.00	0.00	0.00	0.40	35.91	95.56	24.41	50.00	709.95	103.25	21.29	127.26	458.15
2022	0.00	0.00	0.00	0.00	0.00	0.00	35.78	35.78	24.59	48.72	712.02	101.65	21.86	130.33	458.18
2023	0.00	0.00	0.00	0.00	0.00	0.00	36.22	36.22	24.77	46.76	701.87	99.68	21.14	134.31	446.74
2024	0.00	0.00	0.00	0.00	0.00	0.00	36.84	36.84	24.95	44.97	680.86	97.04	24.07	141.59	418.17
2025	0.00	0.00	0.00	0.00	0.00	0.00	35.65	35.65	25.13	43.24	607.04	95.09	22.95	133.22	355.78
2026	0.00	0.00	0.00	0.00	0.00	0.00	33.98	33.98	25.30	41.40	636.10	94.52	23.44	139.83	378.31
2027	0.00	0.00	0.00	0.00	0.00	0.00	33.93	33.93	25.47	40.03	608.57	92.36	21.36	139.18	355.67
2028	0.00	0.00	0.00	0.00	0.00	0.00	11.79	11.79	25.53	38.74	593.85	90.60	22.70	142.55	338.00
2029	0.00	0.00	74.12	0.00	0.00	0.00	10.34	84.47	25.95	40.11	580.68	89.26	22.54	144.77	324.12
2030	0.00	0.00	101.23	0.00	9.06	0.00	10.38	120.67	26.55	34.91	587.97	89.64	15.77	138.46	344.10
2031	0.00	0.00	15.36	0.00	0.00	0.00	10.45	25.81	26.68	37.65	574.36	87.42	25.70	145.66	315.59
2032	0.00	0.00	0.00	0.00	0.00	0.00	10.53	10.53	26.74	36.45	546.74	85.46	27.08	148.78	285.42
2033	0.00	0.00	0.00	0.00	0.00	0.00	10.61	10.61	26.79	35.29	521.46	83.37	29.00	155.78	253.31
2034	0.00	0.00	0.00	0.00	0.00	0.00	10.68	10.68	26.84	34.17	498.23	81.51	30.66	161.03	225.02
2035	0.00	0.00	0.00	0.00	0.00	0.00	10.76	10.76	26.90	32.65	475.96	80.70	28.25	151.36	215.66
2036	0.00	0.00	0.00	0.00	0.00	0.00	10.84	10.84	26.95	32.03	401.43	79.19	29.06	125.34	167.84
2037	0.00	0.00	0.00	0.00	0.00	0.00	6.37	6.37	26.98	31.44	370.01	77.62	29.84	126.10	136.46
2038	0.00	0.00	0.00	0.00	0.00	0.00	1.40	1.40	26.99	30.87	341.56	75.91	31.17	129.71	104.77
2039	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	26.99	33.20	311.30	74.21	32.73	141.10	63.26
2040	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	27.00	29.78	290.71	72.57	36.12	146.59	35.42
2041	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	27.01	29.26	276.03	71.15	40.08	152.12	12.67
2042	0.00	0.00	79.09	0.00	0.00	0.00	1.19	80.28	27.41	28.75	261.10	69.77	44.71	157.54	-10.92
2043	0.00	0.00	108.02	0.00	9.06	0.00	1.19	118.27	28.00	28.27	270.79	69.81	39.54	156.53	4.91
2044	0.00	0.00	16.39	0.00	0.00	0.00	1.19	17.58	28.09	33.51	245.77	67.84	57.94	164.50	-44.51
2045	0.00	0.00	80.28	0.00	0.00	0.00	1.19	81.47	28.49	33.05	228.07	66.57	63.15	170.59	-72.23
2046	0.00	0.00	109.64	0.00	71.36	0.00	1.19	182.20	29.41	32.61	226.14	66.00	65.45	172.94	-78.24
2047	0.00	0.00	16.63	0.00	0.00	0.00	1.19	17.83	29.49	35.30	216.62	64.75	85.83	176.50	-110.47
2048	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	29.50	34.02	186.08	62.96	100.95	183.77	-161.59
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.99	2.45	29.50	36.51	209.61	64.57	84.07	177.74	-116.77
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.99	3.01	29.50	33.23	209.61	64.57	84.07	177.74	-116.77
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.99	36.61	29.50	32.86	209.61	64.57	84.07	177.74	-116.77
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.99	49.34	29.50	32.50	209.61	64.57	84.07	177.74	-116.77
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.99	34.60	29.50	32.16	209.61	64.57	84.07	177.74	-116.77
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.99	41.07	29.50	31.82	209.61	64.57	84.07	177.74	-116.77
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.99	24.52	29.50	31.49	209.61	64.57	84.07	177.74	-116.77
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.99	1.34	29.50	46.62	209.61	64.57	84.07	177.74	-116.77
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	29.50	30.87	209.61	64.57	84.07	177.74	-116.77
2058	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	29.50	46.02	209.61	64.57	84.07	177.74	-116.77
2059	0.00	0.00	74.12	0.00	0.00	0.00	0.79	74.91	29.50	33.17	209.61	64.57	84.07	177.74	-116.77
2060	0.00	0.00	101.23	0.00	0.00	0.00	0.79	102.02	29.50	42.23	209.61	64.57	84.07	177.74	-116.77
2061	0.00	0.00	15.36	0.00	0.00	0.00	0.79	16.14	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2062	0.00	0.00	0.00	0.00	3.06	1.10	0.79	4.95	29.50	42.23	209.61	64.57	84.07	177.74	-116.77
2063	0.00	0.00	0.00	0.00	0.72	0.05	0.79	1.55	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2064	0.00	0.00	0.00	0.00	18.79	17.46	0.79	37.04	29.50	42.23	209.61	64.57	84.07	177.74	-116.77
2065	0.00	0.00	0.00	0.00	17.69	1.98	0.79	20.45	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2066	0.00	0.00	0.00	0.00	1.18	7.37	0.79	9.33	29.50	42.23	209.61	64.57	84.07	177.74	-116.77
2067	0.00	0.00	0.00	0.00	11.03	63.10	0.79	74.92	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.79	55.76	29.50	42.23	209.61	64.57	84.07	177.74	-116.77
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.58	46.56	29.50	29.66	209.61	64.57	84.07	177.74	-116.77
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.58	13.72	29.50	28.51	209.61	64.57	84.07	177.74	-116.77
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.58	0.64	29.50	28.51	209.61	64.57	84.07	177.74	-116.77
2072	0.00	0.00	79.09	0.00	0.00	0.00	0.58	79.67	29.50	28.51	209.61	64.57	84.07	177.74	-116.77
2073	0.00	0.00	108.02	0.00	0.00	0.00	0.58	108.60	29.50	27.64	209.61	64.57	84.07	177.74	-116.77
2074	0.00	0.00	16.39	0.00	0.00	0.00	0.58	16.97	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2075	0.00	0.00	80.28	0.00	0.00	0.00	0.58	80.86	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2076	0.00	0.00	109.64	0.00	0.00	0.00	0.58	110.23	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2077	0.00	0.00	16.63	0.00	0.00	0.00	0.58	17.21	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2078	0.00	0.00	0.00	0.00	9.06	0.00	0.58	9.64	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	29.50	29.66	209.61	64.57	84.07	177.74	-116.77
2080	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2081	0.00	0.00	0.00	0.00	53.52	0.00	0.58	54.10	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.58	2.04	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.58	2.60	29.50	26.78	209.61	64.57	84.07	177.74	-116.77
2086	0.00	0.00	0.00	0.00	15.00	20.62	0.58	36.20	29.50	26.78	209.61	64.57	8		

TABLE 027B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	97.03	510.56	2.60	0.91	-21.40	0.00	0.00	0.00	-21.40
2015	0.00	658.31	0.00	0.00	9.06	6.51	110.40	784.27	6.57	0.91	309.91	101.55	24.42	100.60	83.35
2016	0.00	727.23	0.00	0.00	16.18	29.23	159.64	932.28	11.28	0.91	335.01	99.53	25.89	106.02	103.58
2017	0.00	891.38	0.00	0.00	29.74	92.74	126.53	1140.39	17.03	0.91	369.68	97.66	27.40	110.38	134.24
2018	0.00	510.95	0.00	0.00	42.34	112.47	129.81	795.58	21.01	0.91	370.86	95.16	28.77	113.79	133.14
2019	0.00	258.48	0.00	0.00	39.84	69.80	108.72	476.83	23.40	17.46	396.33	95.05	27.06	112.16	162.06
2020	0.00	136.75	0.00	0.00	0.01	217.46	96.41	450.63	25.65	51.79	632.72	102.75	19.98	118.00	391.99
2021	0.00	59.24	0.00	0.00	0.00	0.40	87.21	146.86	26.38	50.00	711.52	103.23	21.26	126.24	460.79
2022	0.00	0.00	0.00	0.00	0.00	0.00	87.14	87.14	26.82	48.72	714.92	101.62	21.90	129.36	462.03
2023	0.00	0.00	0.00	0.00	0.00	0.00	86.88	86.88	27.25	46.76	704.31	99.57	21.16	133.29	450.29
2024	0.00	0.00	0.00	0.00	0.00	0.00	84.81	84.81	27.68	44.97	685.19	97.00	24.12	140.03	424.03
2025	0.00	0.00	0.00	0.00	0.00	0.00	82.98	82.98	28.09	43.24	609.45	94.97	24.03	130.07	360.38
2026	0.00	0.00	0.00	0.00	0.00	0.00	81.62	81.62	28.50	41.40	644.06	94.55	23.89	137.63	388.00
2027	0.00	0.00	0.00	0.00	0.00	0.00	80.69	80.69	28.90	40.03	614.44	92.35	21.54	135.58	364.97
2028	0.00	0.00	0.00	0.00	0.00	0.00	18.59	18.59	29.00	38.74	600.54	90.58	22.61	138.73	348.62
2029	0.00	0.00	0.00	0.00	0.00	0.00	10.30	10.30	29.05	40.11	584.44	88.92	23.30	142.01	330.21
2030	0.00	0.00	0.00	0.00	0.00	0.00	10.38	10.38	29.10	34.91	569.94	87.77	22.38	138.64	321.16
2031	0.00	0.00	74.87	0.00	9.06	0.00	10.45	94.38	29.57	33.67	561.77	86.43	22.54	142.04	310.75
2032	0.00	0.00	102.25	0.00	0.00	0.00	10.53	112.78	30.14	32.47	564.29	86.46	16.33	139.11	322.40
2033	0.00	0.00	15.51	0.00	0.00	0.00	10.61	26.12	30.27	35.29	543.81	84.09	26.72	148.04	284.96
2034	0.00	0.00	0.00	0.00	0.00	0.00	10.68	10.68	30.32	34.17	517.07	81.90	29.39	154.64	251.14
2035	0.00	0.00	0.00	0.00	0.00	0.00	10.76	10.76	30.37	32.65	486.74	80.74	28.04	145.42	232.54
2036	0.00	0.00	0.00	0.00	0.00	0.00	10.84	10.84	30.43	32.03	415.56	79.18	28.95	121.68	185.75
2037	0.00	0.00	0.00	0.00	0.00	0.00	6.37	6.37	30.46	31.44	383.82	77.59	29.58	122.50	154.15
2038	0.00	0.00	0.00	0.00	0.00	0.00	1.40	1.40	30.47	30.87	359.88	76.08	30.17	125.22	128.41
2039	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	30.47	33.20	335.56	74.62	30.78	135.44	94.72
2040	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	30.48	29.78	306.86	72.89	32.34	139.82	61.81
2041	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	30.49	29.26	277.84	71.32	33.48	143.43	29.60
2042	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	30.49	28.75	258.16	69.80	37.66	149.09	1.60
2043	0.00	0.00	79.48	0.00	0.00	0.00	1.19	80.68	30.89	28.27	242.07	68.40	42.81	155.64	-24.78
2044	0.00	0.00	108.56	0.00	9.06	0.00	1.19	118.81	31.49	29.53	254.65	68.54	37.07	153.89	-4.84
2045	0.00	0.00	16.47	0.00	0.00	0.00	1.19	17.66	31.58	33.05	227.75	66.57	55.48	162.08	-56.38
2046	0.00	0.00	35.49	0.00	0.00	0.00	1.19	36.68	31.76	32.61	208.03	65.24	60.85	168.50	-86.56
2047	0.00	0.00	48.47	0.00	71.36	0.00	1.19	121.02	32.37	31.31	191.86	64.09	67.07	173.88	-113.18
2048	0.00	0.00	7.35	0.00	0.00	0.00	1.19	8.55	32.41	31.38	173.70	62.83	76.55	178.75	-144.42
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.99	2.45	32.41	33.86	191.20	64.05	68.15	173.71	-114.72
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.99	3.01	32.41	30.59	191.20	64.05	68.15	173.71	-114.72
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.99	36.61	32.41	30.21	191.20	64.05	68.15	173.71	-114.72
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.99	49.34	32.41	29.85	191.20	64.05	68.15	173.71	-114.72
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.99	34.60	32.41	29.51	191.20	64.05	68.15	173.71	-114.72
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.99	41.07	32.41	29.17	191.20	64.05	68.15	173.71	-114.72
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.99	24.52	32.41	28.85	191.20	64.05	68.15	173.71	-114.72
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.99	1.34	32.41	43.98	191.20	64.05	68.15	173.71	-114.72
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	32.41	28.23	191.20	64.05	68.15	173.71	-114.72
2058	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	32.41	43.38	191.20	64.05	68.15	173.71	-114.72
2059	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	32.41	30.53	191.20	64.05	68.15	173.71	-114.72
2060	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	32.41	39.58	191.20	64.05	68.15	173.71	-114.72
2061	0.00	0.00	74.87	0.00	0.00	0.00	0.79	75.65	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2062	0.00	0.00	102.25	0.00	3.06	1.10	0.79	107.20	32.41	39.58	191.20	64.05	68.15	173.71	-114.72
2063	0.00	0.00	15.51	0.00	0.72	0.05	0.79	17.07	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2064	0.00	0.00	0.00	0.00	18.79	17.46	0.79	37.04	32.41	39.58	191.20	64.05	68.15	173.71	-114.72
2065	0.00	0.00	0.00	0.00	8.63	1.98	0.79	11.39	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2066	0.00	0.00	0.00	0.00	10.24	7.37	0.79	18.40	32.41	39.58	191.20	64.05	68.15	173.71	-114.72
2067	0.00	0.00	0.00	0.00	11.03	63.10	0.79	74.92	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.79	55.76	32.41	39.58	191.20	64.05	68.15	173.71	-114.72
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.58	46.56	32.41	27.02	191.20	64.05	68.15	173.71	-114.72
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.58	13.72	32.41	25.87	191.20	64.05	68.15	173.71	-114.72
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.58	0.64	32.41	25.87	191.20	64.05	68.15	173.71	-114.72
2072	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.41	25.87	191.20	64.05	68.15	173.71	-114.72
2073	0.00	0.00	79.48	0.00	0.00	0.00	0.58	80.06	32.41	25.00	191.20	64.05	68.15	173.71	-114.72
2074	0.00	0.00	108.56	0.00	0.00	0.00	0.58	109.14	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2075	0.00	0.00	16.47	0.00	0.00	0.00	0.58	17.05	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2076	0.00	0.00	35.49	0.00	0.00	0.00	0.58	36.07	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2077	0.00	0.00	48.47	0.00	0.00	0.00	0.58	49.05	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2078	0.00	0.00	7.35	0.00	0.00	0.00	0.58	7.93	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2079	0.00	0.00	0.00	0.00	9.06	0.00	0.58	9.64	32.41	27.02	191.20	64.05	68.15	173.71	-114.72
2080	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2081	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2082	0.00	0.00	0.00	0.00	53.52	0.00	0.58	54.10	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.58	2.04	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.58	2.60	32.41	24.14	191.20	64.05	68.15	173.71	-114.72
2086	0.00	0.00	0.00	0.00	15.00	20.62	0.58	36.20	32.41	24.14	191.20	64.05	68.		

TABLE Q28B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	27.86	381.69	0.00	0.00	11.53	20.31	19.91	461.30	2.36	0.91	-10.97	0.00	0.00	-10.97	-10.97
2015	31.26	658.31	0.00	0.00	9.06	6.51	19.21	724.34	6.03	0.91	317.89	101.70	23.89	101.42	90.89
2016	84.34	727.23	0.00	0.00	16.18	29.23	18.51	875.49	10.45	0.91	342.76	99.79	25.14	107.90	109.92
2017	102.92	891.38	0.00	0.00	29.74	92.74	17.16	1133.95	16.17	0.91	373.51	97.87	26.34	113.23	136.08
2018	490.21	510.95	0.00	0.00	42.34	112.47	16.23	1172.21	22.03	0.91	368.59	95.28	28.23	118.13	126.95
2019	808.57	258.48	0.00	0.00	39.84	69.80	14.42	1191.11	27.99	17.46	391.10	95.14	26.98	118.06	150.91
2020	513.35	136.75	0.00	0.00	3.53	217.46	13.41	884.50	32.41	51.75	627.85	102.81	20.80	126.75	377.48
2021	915.61	59.24	0.00	0.00	3.52	0.40	13.27	992.04	37.37	50.00	702.70	103.32	21.53	136.48	441.35
2022	693.19	0.00	0.00	0.00	42.78	0.00	13.18	749.15	41.12	48.72	702.32	101.80	22.34	140.23	437.95
2023	626.03	0.00	0.00	0.00	22.19	0.00	13.60	661.83	44.43	46.76	687.60	99.74	21.87	146.47	419.52
2024	500.99	0.00	0.00	0.00	37.34	0.00	13.21	551.54	47.18	44.95	661.31	97.04	24.83	154.57	384.87
2025	880.94	0.00	0.00	0.00	64.65	0.00	12.41	958.00	51.97	43.22	588.17	95.09	22.78	150.77	319.53
2026	394.21	0.00	0.00	0.00	86.62	0.00	10.64	491.47	54.43	55.64	719.80	99.77	25.51	133.54	460.98
2027	51.78	0.00	0.00	0.00	102.09	0.00	10.40	164.27	55.25	54.51	909.07	107.66	23.27	121.94	656.21
2028	-0.38	0.00	0.00	0.00	0.00	0.00	5.33	4.95	55.28	53.09	974.37	108.33	24.54	133.62	707.88
2029	0.00	0.00	0.00	0.00	0.00	0.00	5.33	5.33	55.30	54.68	953.93	106.12	25.06	137.12	685.64
2030	0.00	0.00	0.00	0.00	0.00	0.00	5.33	5.33	55.33	49.30	935.67	104.65	23.61	133.74	673.67
2031	0.00	0.00	0.00	0.00	0.00	0.00	5.33	5.33	55.36	48.03	929.81	102.87	24.42	138.48	664.03
2032	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	55.38	46.66	913.17	100.95	24.47	141.78	645.97
2033	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	55.41	45.15	896.96	99.10	24.86	145.46	627.54
2034	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	55.44	44.10	877.58	97.29	25.07	146.91	608.30
2035	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	55.46	42.69	844.93	95.52	25.28	140.45	583.68
2036	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	55.49	44.79	774.49	93.88	25.42	116.22	538.98
2037	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	55.52	41.31	745.12	92.16	25.60	116.28	511.07
2038	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	55.52	40.74	722.51	90.45	25.64	118.89	487.53
2039	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	55.52	43.07	699.53	88.77	25.81	129.07	455.88
2040	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	55.52	39.65	680.17	87.11	25.96	132.88	434.22
2041	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	55.52	39.13	657.52	85.51	25.94	136.63	409.44
2042	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	55.52	37.97	629.61	83.90	26.02	138.83	380.86
2043	0.00	0.00	79.48	0.00	0.00	0.00	0.01	79.49	55.92	37.48	607.48	82.33	26.09	144.03	355.02
2044	0.00	0.00	108.56	0.00	9.06	0.00	0.01	117.62	56.50	38.74	603.36	81.23	24.22	151.71	346.20
2045	0.00	0.00	16.47	0.00	0.00	0.00	0.01	16.47	56.59	42.26	578.66	79.20	42.18	153.91	303.37
2046	0.00	0.00	35.49	0.00	0.00	0.00	0.01	35.50	56.76	44.71	562.30	77.70	45.67	160.41	278.53
2047	0.00	0.00	48.47	0.00	9.06	0.00	0.01	57.54	57.05	40.53	547.86	76.34	48.90	166.34	256.28
2048	0.00	0.00	7.35	0.00	0.00	0.00	0.01	7.36	57.09	40.58	531.78	74.91	55.19	171.74	229.94
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.01	1.47	57.09	43.07	547.31	76.32	49.92	166.16	254.91
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.01	2.03	57.09	39.79	547.31	76.32	49.92	166.16	254.91
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.01	35.63	57.09	41.15	547.31	76.32	49.92	166.16	254.91
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.01	48.36	57.09	40.78	547.31	76.32	49.92	166.16	254.91
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.01	33.62	57.09	40.43	547.31	76.32	49.92	166.16	254.91
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.01	40.08	57.09	40.09	547.31	76.32	49.92	166.16	254.91
2055	0.00	0.00	0.00	0.00	0.87	23.53	0.01	24.40	57.09	39.76	547.31	76.32	49.92	166.16	254.91
2056	0.00	0.00	0.00	0.00	0.87	0.35	0.01	1.23	57.09	56.05	547.31	76.32	49.92	166.16	254.91
2057	0.00	0.00	0.00	0.00	10.44	0.00	0.01	10.45	57.09	37.40	547.31	76.32	49.92	166.16	254.91
2058	0.00	0.00	0.00	0.00	5.22	0.00	0.01	5.22	57.09	52.56	547.31	76.32	49.92	166.16	254.91
2059	0.00	0.00	0.00	0.00	8.70	0.00	0.01	8.70	57.09	39.71	547.31	76.32	49.92	166.16	254.91
2060	0.00	0.00	0.00	0.00	14.78	0.00	0.01	14.79	57.09	48.76	547.31	76.32	49.92	166.16	254.91
2061	0.00	0.00	0.00	0.00	20.87	0.00	0.01	20.88	57.09	33.31	547.31	76.32	49.92	166.16	254.91
2062	0.00	0.00	0.00	0.00	28.28	1.10	0.01	29.39	57.09	48.76	547.31	76.32	49.92	166.16	254.91
2063	0.00	0.00	0.00	0.00	0.72	0.05	0.01	0.77	57.09	48.76	547.31	76.32	49.92	166.16	254.91
2064	0.00	0.00	0.00	0.00	18.79	17.46	0.01	36.26	57.09	48.76	547.31	76.32	49.92	166.16	254.91
2065	0.00	0.00	0.00	0.00	8.63	1.98	0.01	10.61	57.09	48.76	547.31	76.32	49.92	166.16	254.91
2066	0.00	0.00	0.00	0.00	1.18	7.37	0.01	8.55	57.09	51.65	547.31	76.32	49.92	166.16	254.91
2067	0.00	0.00	0.00	0.00	11.03	63.10	0.01	74.14	57.09	48.76	547.31	76.32	49.92	166.16	254.91
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.01	54.98	57.09	48.76	547.31	76.32	49.92	166.16	254.91
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.01	45.99	57.09	51.65	547.31	76.32	49.92	166.16	254.91
2070	0.00	0.00	0.00	0.00	2.66	13.13	0.01	15.80	57.09	35.05	547.31	76.32	49.92	166.16	254.91
2071	0.00	0.00	0.00	0.00	2.65	0.05	0.01	2.71	57.09	50.49	547.31	76.32	49.92	166.16	254.91
2072	0.00	0.00	0.00	0.00	32.34	0.00	0.01	32.35	57.09	35.05	547.31	76.32	49.92	166.16	254.91
2073	0.00	0.00	79.48	0.00	16.97	0.00	0.01	96.46	57.09	49.63	547.31	76.32	49.92	166.16	254.91
2074	0.00	0.00	108.56	0.00	28.64	0.00	0.01	137.20	57.09	33.31	547.31	76.32	49.92	166.16	254.91
2075	0.00	0.00	16.47	0.00	49.87	0.00	0.01	66.34	57.09	48.76	547.31	76.32	49.92	166.16	254.91
2076	0.00	0.00	35.49	0.00	65.75	0.00	0.01	101.25	57.09	36.20	547.31	76.32	49.92	166.16	254.91
2077	0.00	0.00	48.47	0.00	76.87	0.00	0.01	125.35	57.09	50.49	547.31	76.32	49.92	166.16	254.91
2078	0.00	0.00	7.35	0.00	0.00	0.00	0.01	7.36	57.09	35.05	547.31	76.32	49.92	166.16	254.91
2079	0.00	0.00	0.00	0.00	9.06	0.00	0.01	9.07	57.09	53.38	547.31	76.32	49.92	166.16	254.91
2080	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	57.09	35.05	547.31	76.32	49.92	166.16	254.91
2081	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	57.09	50.49	547.31	76.32	49.92	166.16	254.91
2082	0.00	0.00	0.00	0.00	9.06	0.00	0.01	9.07	57.09	33.31	547.31	76.32	49.92	166.16	254.91
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	57.09	33.31	547.31	76.32	49.92	166.16	254.91
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.01	1.47	57.09	33.31	547.31	76.32	49.92	166.16	254.91
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.01	2.03	57.09	33.31	547.31	76.32	49.92	166.16	254.91
2086	0.00	0.00	0.00	0.00	15.00	20.62	0.01	35.63	57.09	36					

TABLE 029B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	27.87	381.69	0.00	0.00	11.53	20.31	50.74	492.13	2.51	0.91	-14.28	0.00	0.00	-14.28	
2015	20.98	658.31	0.00	0.00	9.06	6.51	55.32	750.17	6.31	0.91	315.31	101.67	23.98	101.25	88.40
2016	25.03	727.23	0.00	0.00	16.18	29.23	55.37	853.04	10.62	0.91	339.75	99.74	25.31	107.40	107.30
2017	24.13	891.38	0.00	0.00	29.74	92.74	46.76	1084.75	16.10	0.91	371.28	97.80	26.47	112.47	134.53
2018	21.11	510.95	0.00	0.00	42.34	112.47	46.91	733.79	19.77	0.91	368.87	95.24	28.43	117.24	127.96
2019	35.67	258.48	0.00	0.00	39.84	69.80	42.51	446.29	22.00	17.46	392.34	95.10	27.03	116.85	153.36
2020	93.02	136.75	0.00	0.00	0.01	217.46	37.58	484.82	24.42	51.75	629.17	102.81	20.72	124.21	381.43
2021	70.77	59.24	0.00	0.00	0.00	0.40	32.33	162.73	25.24	50.00	705.27	103.32	21.31	133.28	447.36
2022	501.86	0.00	0.00	0.00	0.00	0.00	32.16	534.02	27.91	48.72	706.42	101.76	22.05	136.64	445.97
2023	827.79	0.00	0.00	0.00	0.00	0.00	32.04	859.82	32.20	46.76	694.04	99.77	21.57	141.67	431.03
2024	525.55	0.00	0.00	0.00	3.52	0.00	31.90	560.97	35.01	44.95	674.68	97.44	23.72	146.87	406.65
2025	937.37	0.00	0.00	0.00	3.52	0.00	32.12	973.01	39.87	43.22	602.19	95.43	21.51	139.90	345.35
2026	709.66	0.00	0.00	0.00	42.78	0.00	32.25	784.69	43.80	41.38	618.24	94.41	22.41	146.83	354.59
2027	640.91	0.00	0.00	0.00	22.19	0.00	32.17	695.27	47.27	40.02	592.27	92.35	21.76	149.12	329.04
2028	512.89	0.00	0.00	0.00	37.34	0.00	10.77	561.01	50.08	38.74	569.59	90.18	24.63	155.61	299.16
2029	901.87	0.00	0.00	0.00	64.65	0.00	9.32	975.85	54.96	40.11	544.13	88.07	27.21	162.48	266.38
2030	403.58	0.00	0.00	0.00	86.62	0.00	9.36	499.56	57.46	49.17	662.53	93.24	24.80	128.20	416.29
2031	53.01	0.00	0.00	0.00	102.09	0.00	9.43	164.53	58.28	48.16	882.30	101.05	24.30	120.24	636.72
2032	-0.39	0.00	0.00	0.00	0.00	0.00	9.51	9.12	58.32	46.83	939.50	101.09	24.66	133.63	680.13
2033	0.00	0.00	0.00	0.00	0.00	0.00	9.59	9.59	58.37	45.88	922.27	99.07	25.13	136.90	661.16
2034	0.00	0.00	0.00	0.00	0.00	0.00	9.66	9.66	58.42	44.59	903.84	97.21	25.50	137.99	643.13
2035	0.00	0.00	0.00	0.00	0.00	0.00	9.74	9.74	58.47	43.02	876.56	95.45	25.33	132.18	623.61
2036	0.00	0.00	0.00	0.00	0.00	0.00	9.82	9.82	58.52	42.24	808.21	93.76	26.89	108.87	578.69
2037	0.00	0.00	0.00	0.00	0.00	0.00	5.35	5.35	58.55	41.29	781.05	92.06	27.16	108.29	553.54
2038	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.55	40.80	761.55	90.37	27.38	110.35	533.45
2039	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.55	43.25	740.84	88.69	27.57	119.70	504.87
2040	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.55	42.54	722.98	87.06	27.76	122.09	486.07
2041	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.55	39.13	701.56	85.43	27.93	124.95	463.25
2042	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.55	38.63	677.33	83.85	28.14	126.97	438.37
2043	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.56	38.14	652.21	82.29	28.24	129.73	411.95
2044	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.56	39.40	624.76	80.75	28.25	132.04	383.73
2045	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.56	38.94	597.09	79.25	28.31	134.72	354.82
2046	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.56	37.84	568.63	77.77	28.19	137.39	325.28
2047	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.56	36.55	539.24	76.34	27.94	139.61	295.35
2048	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.57	35.27	508.60	74.91	27.71	142.11	263.88
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.38	1.84	58.57	37.75	538.82	76.34	27.95	139.70	294.83
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.38	2.40	58.57	37.36	538.82	76.34	27.95	139.70	294.83
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.38	36.00	58.57	34.10	538.82	76.34	27.95	139.70	294.83
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.38	48.73	58.57	33.74	538.82	76.34	27.95	139.70	294.83
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.38	33.99	58.57	33.38	538.82	76.34	27.95	139.70	294.83
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.38	40.45	58.57	33.04	538.82	76.34	27.95	139.70	294.83
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.38	23.90	58.57	34.45	538.82	76.34	27.95	139.70	294.83
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.38	0.73	58.57	49.58	538.82	76.34	27.95	139.70	294.83
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.57	33.82	538.82	76.34	27.95	139.70	294.83
2058	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.57	48.97	538.82	76.34	27.95	139.70	294.83
2059	0.00	0.00	0.00	0.00	0.87	0.00	0.38	1.25	58.57	36.13	538.82	76.34	27.95	139.70	294.83
2060	0.00	0.00	0.00	0.00	0.87	0.00	0.38	1.25	58.57	46.33	538.82	76.34	27.95	139.70	294.83
2061	0.00	0.00	0.00	0.00	10.44	0.00	0.38	10.81	58.57	28.00	538.82	76.34	27.95	139.70	294.83
2062	0.00	0.00	0.00	0.00	8.28	1.10	0.38	9.76	58.57	43.45	538.82	76.34	27.95	139.70	294.83
2063	0.00	0.00	0.00	0.00	9.41	0.05	0.38	9.84	58.57	28.00	538.82	76.34	27.95	139.70	294.83
2064	0.00	0.00	0.00	0.00	33.58	17.46	0.38	51.41	58.57	43.45	538.82	76.34	27.95	139.70	294.83
2065	0.00	0.00	0.00	0.00	29.50	1.98	0.38	31.85	58.57	28.00	538.82	76.34	27.95	139.70	294.83
2066	0.00	0.00	0.00	0.00	26.40	7.37	0.38	34.14	58.57	43.45	538.82	76.34	27.95	139.70	294.83
2067	0.00	0.00	0.00	0.00	11.03	63.10	0.38	74.51	58.57	43.45	538.82	76.34	27.95	139.70	294.83
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.38	55.35	58.57	43.45	538.82	76.34	27.95	139.70	294.83
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.38	46.36	58.57	46.33	538.82	76.34	27.95	139.70	294.83
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.38	13.52	58.57	32.62	538.82	76.34	27.95	139.70	294.83
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.38	0.43	58.57	45.18	538.82	76.34	27.95	139.70	294.83
2072	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.57	29.73	538.82	76.34	27.95	139.70	294.83
2073	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.57	44.31	538.82	76.34	27.95	139.70	294.83
2074	0.00	0.00	0.00	0.00	2.65	0.00	0.38	3.03	58.57	28.00	538.82	76.34	27.95	139.70	294.83
2075	0.00	0.00	0.00	0.00	2.65	0.00	0.38	3.03	58.57	43.45	538.82	76.34	27.95	139.70	294.83
2076	0.00	0.00	0.00	0.00	32.34	0.00	0.38	32.72	58.57	28.00	538.82	76.34	27.95	139.70	294.83
2077	0.00	0.00	0.00	0.00	16.97	0.00	0.38	17.35	58.57	43.45	538.82	76.34	27.95	139.70	294.83
2078	0.00	0.00	0.00	0.00	28.64	0.00	0.38	29.02	58.57	28.00	538.82	76.34	27.95	139.70	294.83
2079	0.00	0.00	0.00	0.00	49.87	0.00	0.38	50.25	58.57	46.33	538.82	76.34	27.95	139.70	294.83
2080	0.00	0.00	0.00	0.00	65.75	0.00	0.38	66.13	58.57	30.89	538.82	76.34	27.95	139.70	294.83
2081	0.00	0.00	0.00	0.00	76.87	0.00	0.38	77.25	58.57	45.18	538.82	76.34	27.95	139.70	294.83
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.57	29.73	538.82	76.34	27.95	139.70	294.83
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	58.57	45.18	538.82	76.34	27.95	139.70	294.83
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.38	1.84	58.57	29.73	538.82	76.34	27.95	139.70	294.83
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.38	2.40	58.57	45.18	538.82	76.34	27.95	139.70	294.83
2086	0.00	0.00	0.00	0.00	15.00	20.62	0.38	36.00	58.57	28.00	538.82	76.3			

TABLE 030B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	13.19	381.69	0.00	0.00	11.53	20.31	61.08	487.80	2.49	0.91	-20.26	0.00	0.00	0.00	-20.26
2015	17.88	658.31	0.00	0.00	9.06	6.51	66.46	758.20	6.33	0.91	310.78	101.56	24.40	100.64	84.19
2016	21.90	727.23	0.00	0.00	16.18	29.23	109.95	904.49	10.90	0.91	336.01	99.54	25.87	106.11	104.50
2017	20.98	891.38	0.00	0.00	29.74	92.74	71.39	1106.24	16.48	0.91	370.72	97.68	27.38	110.69	134.97
2018	30.59	510.95	0.00	0.00	42.34	112.47	73.10	769.46	20.33	0.91	371.40	95.20	28.81	114.17	133.23
2019	61.10	258.48	0.00	0.00	39.84	69.80	57.30	486.52	22.76	17.46	396.16	95.09	27.06	112.52	161.49
2020	45.47	136.75	0.00	0.00	0.01	217.46	45.17	444.87	24.98	51.75	631.75	102.76	20.18	118.62	390.19
2021	100.00	59.24	0.00	0.00	0.00	0.40	35.91	195.55	25.96	50.00	709.94	103.25	21.29	127.27	458.13
2022	151.12	0.00	0.00	0.00	0.00	0.00	35.78	186.90	26.90	48.72	711.98	101.64	21.87	130.33	458.14
2023	415.00	0.00	0.00	0.00	0.00	0.00	36.22	451.21	29.15	46.76	701.38	99.69	21.11	134.31	446.27
2024	832.66	0.00	0.00	0.00	0.00	0.00	36.84	869.50	33.50	44.95	680.20	97.05	24.06	141.67	417.42
2025	528.64	0.00	0.00	0.00	3.52	0.00	35.65	567.82	36.34	43.22	605.79	95.08	22.91	133.40	354.39
2026	942.89	0.00	0.00	0.00	3.52	0.00	33.98	980.39	41.24	41.38	634.55	94.52	23.43	139.98	376.62
2027	713.84	0.00	0.00	0.00	42.78	0.00	33.93	790.54	45.19	40.02	605.79	92.36	21.39	139.53	352.51
2028	644.68	0.00	0.00	0.00	22.19	0.00	11.79	678.66	48.59	38.74	590.58	90.60	22.71	142.87	334.40
2029	515.91	0.00	0.00	0.00	37.34	0.00	10.34	563.60	51.41	40.11	567.29	88.56	24.35	149.63	304.75
2030	907.18	0.00	0.00	0.00	64.65	0.00	10.38	982.21	56.32	34.91	547.76	87.23	23.96	148.27	288.31
2031	405.96	0.00	0.00	0.00	86.62	0.00	10.45	503.03	58.83	47.93	673.31	91.67	25.08	125.79	430.76
2032	53.32	0.00	0.00	0.00	102.09	0.00	10.53	165.94	59.66	46.96	884.91	98.57	25.20	119.33	641.82
2033	-0.39	0.00	0.00	0.00	0.00	0.00	10.61	10.22	59.71	45.67	945.77	98.93	25.41	128.64	692.79
2034	0.00	0.00	0.00	0.00	0.00	0.00	10.68	10.68	59.77	44.76	932.14	97.12	25.46	130.32	679.24
2035	0.00	0.00	0.00	0.00	0.00	0.00	10.76	10.76	59.82	43.07	900.65	95.30	25.47	122.88	657.00
2036	0.00	0.00	0.00	0.00	0.00	0.00	10.84	10.84	59.87	42.40	837.16	93.59	26.94	102.52	614.11
2037	0.00	0.00	0.00	0.00	0.00	0.00	6.37	6.37	59.91	41.65	813.20	91.90	27.85	102.35	591.10
2038	0.00	0.00	0.00	0.00	0.00	0.00	1.40	59.91	40.72	794.43	90.21	28.05	103.85	572.31	
2039	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.92	43.13	775.12	88.55	28.36	112.97	545.23
2040	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.92	39.82	758.84	86.92	28.55	115.33	528.04
2041	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.93	42.02	738.51	85.31	28.73	118.07	506.41
2042	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.94	38.63	714.68	83.73	28.86	119.82	482.27
2043	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.94	38.14	689.44	82.18	28.98	122.09	456.19
2044	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.95	39.40	662.80	80.66	29.07	124.03	429.05
2045	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.95	38.94	635.13	79.16	29.09	126.43	400.45
2046	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.96	38.50	606.02	77.66	28.97	128.83	370.56
2047	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.97	36.55	578.35	76.27	28.63	130.71	342.74
2048	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.97	35.27	547.50	74.82	28.48	133.03	311.17
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.99	2.45	59.97	37.75	577.29	76.25	28.69	130.86	341.49
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.99	3.01	59.97	34.48	577.29	76.25	28.69	130.86	341.49
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.99	36.61	59.97	36.99	577.29	76.25	28.69	130.86	341.49
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.99	49.34	59.97	33.74	577.29	76.25	28.69	130.86	341.49
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.99	34.60	59.97	33.38	577.29	76.25	28.69	130.86	341.49
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.99	41.07	59.97	33.04	577.29	76.25	28.69	130.86	341.49
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.99	24.52	59.97	32.72	577.29	76.25	28.69	130.86	341.49
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.99	1.34	59.97	49.58	577.29	76.25	28.69	130.86	341.49
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	59.97	33.82	577.29	76.25	28.69	130.86	341.49
2058	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	59.97	48.97	577.29	76.25	28.69	130.86	341.49
2059	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	59.97	36.13	577.29	76.25	28.69	130.86	341.49
2060	0.00	0.00	0.00	0.00	0.87	0.00	0.79	1.66	59.97	45.18	577.29	76.25	28.69	130.86	341.49
2061	0.00	0.00	0.00	0.00	0.87	0.00	0.79	1.66	59.97	30.89	577.29	76.25	28.69	130.86	341.49
2062	0.00	0.00	0.00	0.00	13.50	1.10	0.79	15.38	59.97	43.45	577.29	76.25	28.69	130.86	341.49
2063	0.00	0.00	0.00	0.00	5.94	0.05	0.79	6.77	59.97	28.00	577.29	76.25	28.69	130.86	341.49
2064	0.00	0.00	0.00	0.00	27.49	17.46	0.79	45.73	59.97	43.45	577.29	76.25	28.69	130.86	341.49
2065	0.00	0.00	0.00	0.00	23.41	1.98	0.79	26.18	59.97	28.00	577.29	76.25	28.69	130.86	341.49
2066	0.00	0.00	0.00	0.00	22.05	7.37	0.79	30.20	59.97	43.45	577.29	76.25	28.69	130.86	341.49
2067	0.00	0.00	0.00	0.00	36.25	63.10	0.79	100.14	59.97	28.00	577.29	76.25	28.69	130.86	341.49
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.79	55.76	59.97	58.90	577.29	76.25	28.69	130.86	341.49
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.58	46.56	59.97	30.89	577.29	76.25	28.69	130.86	341.49
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.58	13.72	59.97	45.18	577.29	76.25	28.69	130.86	341.49
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.58	0.64	59.97	32.62	577.29	76.25	28.69	130.86	341.49
2072	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	59.97	45.18	577.29	76.25	28.69	130.86	341.49
2073	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	59.97	28.87	577.29	76.25	28.69	130.86	341.49
2074	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	59.97	43.45	577.29	76.25	28.69	130.86	341.49
2075	0.00	0.00	0.00	0.00	2.65	0.00	0.58	3.23	59.97	28.00	577.29	76.25	28.69	130.86	341.49
2076	0.00	0.00	0.00	0.00	2.65	0.00	0.58	3.23	59.97	43.45	577.29	76.25	28.69	130.86	341.49
2077	0.00	0.00	0.00	0.00	32.34	0.00	0.58	32.92	59.97	28.00	577.29	76.25	28.69	130.86	341.49
2078	0.00	0.00	0.00	0.00	16.97	0.00	0.58	17.55	59.97	43.45	577.29	76.25	28.69	130.86	341.49
2079	0.00	0.00	0.00	0.00	28.64	0.00	0.58	29.22	59.97	30.89	577.29	76.25	28.69	130.86	341.49
2080	0.00	0.00	0.00	0.00	49.87	0.00	0.58	50.45	59.97	43.45	577.29	76.25	28.69	130.86	341.49
2081	0.00	0.00	0.00	0.00	65.75	0.00	0.58	66.33	59.97	30.89	577.29	76.25	28.69	130.86	341.49
2082	0.00	0.00	0.00	0.00	76.87	0.00	0.58	77.45	59.97	45.18	577.29	76.25	28.69	130.86	341.49
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	59.97	29.73	577.29	76.25	28.69	130.86	341.49
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.58	2.04	59.97	45.18	577.29	76.25	28.69	130.86	341.49
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.58	2.60	59.97	29.73	577.29	76.25	28.69	130.86	341.49
2086	0.00	0.00	0.00	0.00	15.00	20.62	0.58	36.20	59.97	45.18	57				

TABLE 031B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	13.19	381.69	0.00	0.00	11.53	20.31	97.03	523.75	2.67	0.91	-21.40	0.00	0.00	0.00	-21.40
2015	17.88	658.31	0.00	0.00	9.06	6.51	110.40	802.14	6.73	0.91	309.92	101.55	24.39	100.58	83.41
2016	21.90	727.23	0.00	0.00	16.18	29.23	159.64	954.18	11.55	0.91	334.99	99.53	25.93	105.96	103.57
2017	20.98	891.38	0.00	0.00	29.74	92.74	126.53	1161.38	17.40	0.91	369.74	97.67	27.40	110.40	134.27
2018	21.11	510.95	0.00	0.00	42.34	112.47	129.81	816.68	21.49	0.91	370.86	95.17	28.78	113.77	133.14
2019	35.67	258.48	0.00	0.00	39.84	69.80	108.72	512.50	24.05	17.46	396.31	95.05	27.06	112.13	162.07
2020	45.47	136.75	0.00	0.00	0.01	217.46	96.41	496.10	26.53	51.75	632.75	102.75	19.97	118.00	392.02
2021	61.82	59.24	0.00	0.00	0.00	0.40	87.21	208.67	27.57	50.00	711.50	103.23	21.26	126.22	460.79
2022	74.84	0.00	0.00	0.00	0.00	0.00	87.14	161.98	28.38	48.72	714.91	101.62	21.90	129.34	462.04
2023	130.18	0.00	0.00	0.00	0.00	0.00	86.88	217.05	29.47	46.76	704.55	99.60	21.08	133.15	450.72
2024	104.46	0.00	0.00	0.00	0.00	0.00	84.81	189.28	30.42	44.95	685.08	96.99	24.12	140.03	423.93
2025	371.17	0.00	0.00	0.00	0.00	0.00	82.98	454.15	32.69	43.22	608.70	94.95	23.83	130.44	359.49
2026	842.49	0.00	0.00	0.00	0.00	0.00	81.62	924.11	37.31	41.38	643.14	94.55	24.01	137.62	386.97
2027	534.89	0.00	0.00	0.00	3.52	0.00	80.69	619.10	40.40	40.02	613.35	92.36	21.49	135.65	363.85
2028	954.02	0.00	0.00	0.00	3.52	0.00	18.59	976.14	45.28	38.74	599.13	90.59	22.61	138.95	346.97
2029	722.27	0.00	0.00	0.00	42.78	0.00	10.30	775.34	49.16	40.11	581.16	88.91	23.26	142.33	326.66
2030	652.29	0.00	0.00	0.00	22.19	0.00	10.38	684.86	52.58	34.91	566.68	87.76	22.41	139.08	317.43
2031	522.01	0.00	0.00	0.00	37.34	0.00	10.45	569.80	55.43	33.67	548.96	85.89	24.04	145.57	293.45
2032	917.90	0.00	0.00	0.00	64.65	0.00	10.53	993.08	60.40	32.47	522.66	84.14	24.87	148.85	264.80
2033	410.75	0.00	0.00	0.00	86.62	0.00	10.61	507.98	62.94	45.58	640.79	87.70	27.80	131.26	394.03
2034	53.95	0.00	0.00	0.00	102.09	0.00	10.68	166.72	63.77	44.68	856.31	94.16	28.25	127.18	606.72
2035	-0.39	0.00	0.00	0.00	0.00	0.00	10.76	10.37	63.82	43.02	917.04	95.47	26.52	120.31	674.74
2036	0.00	0.00	0.00	0.00	0.00	0.00	10.84	10.84	63.88	42.62	852.21	93.69	27.15	100.03	631.33
2037	0.00	0.00	0.00	0.00	0.00	0.00	6.37	6.37	63.91	41.85	824.33	91.90	27.51	99.41	605.52
2038	0.00	0.00	0.00	0.00	0.00	0.00	1.40	1.40	63.92	41.24	808.90	90.18	28.15	101.39	589.16
2039	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	63.92	43.41	789.50	88.51	28.48	110.31	562.20
2040	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	63.93	39.63	771.59	86.84	28.48	112.34	543.93
2041	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	63.93	39.19	752.11	85.24	28.73	115.04	523.10
2042	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	63.94	38.80	729.47	83.66	28.96	116.96	499.89
2043	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	63.95	41.03	704.09	82.11	29.00	119.08	473.90
2044	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	63.95	39.40	677.51	80.59	29.08	121.05	446.79
2045	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	63.96	38.94	650.53	79.10	29.11	123.24	419.07
2046	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	63.96	38.50	618.02	77.45	29.68	126.00	384.88
2047	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	63.97	37.21	598.19	76.38	28.35	125.37	368.09
2048	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	63.98	35.92	563.55	74.79	28.36	128.24	332.15
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.99	2.45	63.98	37.75	593.25	76.21	28.80	126.54	361.71
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.99	3.01	63.98	34.48	593.25	76.21	28.80	126.54	361.71
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.99	36.61	63.98	34.10	593.25	76.21	28.80	126.54	361.71
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.99	49.34	63.98	33.74	593.25	76.21	28.80	126.54	361.71
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.99	34.60	63.98	36.27	593.25	76.21	28.80	126.54	361.71
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.99	41.07	63.98	33.04	593.25	76.21	28.80	126.54	361.71
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.99	24.52	63.98	32.72	593.25	76.21	28.80	126.54	361.71
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.99	1.34	63.98	47.85	593.25	76.21	28.80	126.54	361.71
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	63.98	32.09	593.25	76.21	28.80	126.54	361.71
2058	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	63.98	48.97	593.25	76.21	28.80	126.54	361.71
2059	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	63.98	36.13	593.25	76.21	28.80	126.54	361.71
2060	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	63.98	45.18	593.25	76.21	28.80	126.54	361.71
2061	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	63.98	29.73	593.25	76.21	28.80	126.54	361.71
2062	0.00	0.00	0.00	0.00	3.93	1.10	0.79	5.82	63.98	45.18	593.25	76.21	28.80	126.54	361.71
2063	0.00	0.00	0.00	0.00	1.59	0.05	0.79	2.42	63.98	30.89	593.25	76.21	28.80	126.54	361.71
2064	0.00	0.00	0.00	0.00	29.23	17.46	0.79	47.47	63.98	43.45	593.25	76.21	28.80	126.54	361.71
2065	0.00	0.00	0.00	0.00	13.84	1.98	0.79	16.61	63.98	28.00	593.25	76.21	28.80	126.54	361.71
2066	0.00	0.00	0.00	0.00	9.88	7.37	0.79	18.03	63.98	43.45	593.25	76.21	28.80	126.54	361.71
2067	0.00	0.00	0.00	0.00	25.82	63.10	0.79	89.70	63.98	28.00	593.25	76.21	28.80	126.54	361.71
2068	0.00	0.00	0.00	0.00	43.62	32.23	0.79	76.63	63.98	43.45	593.25	76.21	28.80	126.54	361.71
2069	0.00	0.00	0.00	0.00	48.34	22.86	0.58	71.78	63.98	30.89	593.25	76.21	28.80	126.54	361.71
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.58	13.72	63.98	45.18	593.25	76.21	28.80	126.54	361.71
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.58	0.64	63.98	29.73	593.25	76.21	28.80	126.54	361.71
2072	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	63.98	45.18	593.25	76.21	28.80	126.54	361.71
2073	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	63.98	31.75	593.25	76.21	28.80	126.54	361.71
2074	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	63.98	43.45	593.25	76.21	28.80	126.54	361.71
2075	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	63.98	28.00	593.25	76.21	28.80	126.54	361.71
2076	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	63.98	43.45	593.25	76.21	28.80	126.54	361.71
2077	0.00	0.00	0.00	0.00	2.65	0.00	0.58	3.23	63.98	28.00	593.25	76.21	28.80	126.54	361.71
2078	0.00	0.00	0.00	0.00	2.65	0.00	0.58	3.23	63.98	43.45	593.25	76.21	28.80	126.54	361.71
2079	0.00	0.00	0.00	0.00	32.34	0.00	0.58	32.92	63.98	30.89	593.25	76.21	28.80	126.54	361.71
2080	0.00	0.00	0.00	0.00	16.97	0.00	0.58	17.55	63.98	43.45	593.25	76.21	28.80	126.54	361.71
2081	0.00	0.00	0.00	0.00	28.64	0.00	0.58	29.22	63.98	28.00	593.25	76.21	28.80	126.54	361.71
2082	0.00	0.00	0.00	0.00	49.87	0.00	0.58	50.45	63.98	43.45	593.25	76.21	28.80	126.54	361.71
2083	0.00	0.00	0.00	0.00	65.75	0.00	0.58	66.33	63.98	30.89	593.25	76.21	28.80	126.54	361.71
2084	0.00	0.00	0.00	0.00	77.96	0.37	0.58	78.91	63.98	45.18	593.25	76.21	28.80	126.54	361.71
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.58	2.60	63.98	29.73	593.25	76.21	28.80	126.54	361.71
2086	0.00	0.00	0.00	0.00	15.00	20.62	0.58	36.20	63.98						

Plan 1: All Gas
DSM Level 2
Pipeline Load

TABLE 032B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)									Net Average Flow Related Revenue (Millions of 2014\$)					
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	48.54	0.00	0.00	0.00	0.00	61.08	109.62	0.60	0.91	-20.26	0.00	0.00	0.00	-20.26
2015	0.00	0.00	0.00	0.00	0.00	0.00	66.46	66.46	0.98	0.91	312.26	101.59	24.31	100.61	85.76
2016	0.00	0.00	0.00	0.00	0.00	0.00	109.95	109.95	1.58	0.91	339.19	99.63	25.52	106.41	107.63
2017	0.00	0.00	0.00	0.00	0.00	0.00	71.39	71.39	1.98	0.91	373.64	97.99	26.25	111.49	137.91
2018	0.00	0.00	0.00	0.00	0.00	0.00	73.10	73.10	2.35	0.91	366.26	95.18	28.69	116.84	125.54
2019	0.00	0.00	0.00	0.00	0.00	0.00	57.30	57.30	2.64	0.91	348.25	93.24	26.63	119.73	108.65
2020	0.00	0.00	0.00	0.00	0.00	0.00	45.17	45.17	2.86	0.91	366.14	92.70	22.45	123.91	127.07
2021	0.00	0.00	0.00	0.00	0.00	0.00	35.91	35.91	3.04	0.91	350.05	90.80	21.93	126.23	111.09
2022	0.00	0.00	71.58	0.00	0.00	0.00	35.78	107.35	3.58	0.91	337.34	89.16	22.85	129.00	96.33
2023	0.00	0.00	97.76	0.00	9.06	0.00	36.22	143.04	4.29	0.91	356.70	89.53	17.06	130.07	120.04
2024	0.00	0.00	14.83	0.00	0.00	0.00	36.84	51.67	4.55	4.88	343.47	87.51	29.39	130.61	95.96
2025	0.00	0.00	0.00	0.00	0.00	0.00	35.65	35.65	4.73	4.88	262.03	85.00	22.84	128.45	25.74
2026	0.00	0.00	0.00	0.00	0.00	0.00	33.98	33.98	4.90	4.88	236.82	82.89	25.15	132.57	-3.79
2027	0.00	0.00	0.00	0.00	0.00	0.00	33.93	33.93	5.07	4.88	219.99	81.03	28.79	135.61	-25.44
2028	0.00	0.00	0.00	0.00	0.00	0.00	11.79	11.79	5.13	4.88	197.85	78.77	35.75	141.62	-58.29
2029	0.00	0.00	74.12	0.00	0.00	0.00	10.34	84.47	5.55	4.88	181.90	77.08	41.46	146.61	-83.25
2030	0.00	0.00	101.23	0.00	71.36	0.00	10.38	182.97	6.47	4.88	202.79	78.31	35.22	136.81	-47.56
2031	0.00	0.00	15.36	0.00	0.00	0.00	10.45	25.81	6.59	8.88	191.41	76.26	51.23	145.02	-81.10
2032	0.00	0.00	0.00	0.00	0.00	0.00	10.53	10.53	6.65	8.88	173.72	74.44	60.05	151.22	-112.00
2033	0.00	0.00	75.62	0.00	0.00	0.00	10.61	86.22	7.08	8.88	160.87	72.98	68.08	156.29	-136.48
2034	0.00	0.00	103.27	0.00	0.00	0.00	10.68	113.96	7.65	8.88	168.15	72.87	67.57	154.93	-127.22
2035	0.00	0.00	15.67	0.00	0.00	0.00	10.76	26.43	7.78	12.86	146.81	70.55	92.83	161.38	-177.95
2036	0.00	0.00	158.23	0.00	0.00	0.00	10.84	169.06	8.63	12.87	131.20	69.02	105.71	166.52	-210.04
2037	0.00	0.00	228.59	0.00	0.00	0.00	6.37	234.96	9.80	12.87	118.39	67.66	119.60	171.59	-240.46
2038	0.00	0.00	102.38	0.00	9.06	0.00	1.40	112.84	10.36	12.88	123.19	67.55	122.95	168.04	-235.35
2039	0.00	0.00	7.53	0.00	0.00	0.00	1.19	8.72	10.41	19.99	144.13	65.76	169.39	165.67	-256.69
2040	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	10.41	19.99	123.57	64.12	183.51	172.62	-296.68
2041	0.00	0.00	162.22	0.00	0.00	0.00	1.19	163.42	11.23	19.99	102.04	62.65	195.71	178.01	-334.33
2042	0.00	0.00	234.36	0.00	0.00	0.00	1.19	235.55	12.41	19.99	89.88	61.48	208.30	182.98	-362.87
2043	0.00	0.00	104.97	0.00	60.03	0.00	1.19	166.19	13.24	19.99	90.49	61.06	218.48	184.24	-373.30
2044	0.00	0.00	7.72	0.00	0.00	0.00	1.19	8.91	13.28	27.11	118.14	59.70	270.77	172.56	-384.90
2045	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	13.29	27.11	95.49	57.69	298.19	185.06	-445.45
2046	0.00	0.00	35.49	0.00	0.00	0.00	1.19	36.68	13.47	27.11	96.41	57.53	296.06	184.14	-441.33
2047	0.00	0.00	48.47	0.00	0.00	0.00	1.19	49.66	13.72	27.11	86.50	56.35	320.89	188.98	-479.72
2048	0.00	0.00	7.35	0.00	0.00	0.00	1.19	8.55	13.76	28.45	77.00	55.21	341.23	193.50	-512.93
2049	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	13.76	28.46	86.64	56.36	319.40	188.87	-477.99
2050	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2051	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2052	0.00	0.00	71.58	0.00	0.00	0.00	0.99	72.57	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2053	0.00	0.00	97.76	0.00	0.00	0.00	0.99	98.75	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2054	0.00	0.00	14.83	0.00	0.00	0.00	0.99	15.82	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2055	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2056	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2058	0.00	0.00	0.00	0.00	9.06	0.00	0.99	10.05	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2059	0.00	0.00	74.12	0.00	0.00	0.00	0.79	74.91	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2060	0.00	0.00	101.23	0.00	0.00	0.00	0.79	102.02	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2061	0.00	0.00	15.36	0.00	0.00	0.00	0.79	16.14	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2062	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2063	0.00	0.00	75.62	0.00	0.00	0.00	0.79	76.40	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2064	0.00	0.00	103.27	0.00	0.00	0.00	0.79	104.06	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2065	0.00	0.00	15.67	0.00	53.52	0.00	0.79	69.97	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2066	0.00	0.00	158.23	0.00	0.00	0.00	0.79	159.01	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2067	0.00	0.00	228.59	0.00	0.00	0.00	0.79	229.37	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2068	0.00	0.00	102.38	0.00	0.00	0.00	0.79	103.17	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2069	0.00	0.00	7.53	0.00	0.00	0.00	0.58	8.11	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2070	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2071	0.00	0.00	162.22	0.00	0.00	0.00	0.58	162.80	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2072	0.00	0.00	234.36	0.00	0.00	0.00	0.58	234.94	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2073	0.00	0.00	104.97	0.00	9.06	0.00	0.58	114.61	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2074	0.00	0.00	7.72	0.00	0.00	0.00	0.58	8.30	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2075	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2076	0.00	0.00	35.49	0.00	0.00	0.00	0.58	36.07	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2077	0.00	0.00	48.47	0.00	0.00	0.00	0.58	49.05	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2078	0.00	0.00	7.35	0.00	45.02	0.00	0.58	52.96	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2080	0.00	0.00	0.00	0.00	17.84	0.00	0.58	18.42	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2081	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2082	0.00	0.00	71.58	0.00	0.00	0.00	0.58	72.16	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2083	0.00	0.00	97.76	0.00	0.00	0.00	0.58	98.34	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2084	0.00	0.00	14.83	0.00	0.00	0.00	0.58	15.41	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2085	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2086	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	13.76	28.47	86.64	56.36	319.40	188.87	-477.99
2087	0.00</														

Plan 1: All Gas
DSM Level 3
Pipeline Load

TABLE 033B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)									Net Average Flow Related Revenue (Millions of 2014\$)					
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	48.54	0.00	0.00	0.00	0.00	97.03	145.57	0.78	0.91	-21.40	0.00	0.00	0.00	-21.40
2015	0.00	0.00	0.00	0.00	0.00	0.00	110.40	110.40	1.38	0.91	311.39	101.59	24.21	100.48	85.12
2016	0.00	0.00	0.00	0.00	0.00	0.00	159.64	159.64	2.23	0.91	338.74	99.64	25.63	106.44	107.02
2017	0.00	0.00	0.00	0.00	0.00	0.00	126.53	126.53	2.91	0.91	372.28	97.96	26.10	111.12	137.10
2018	0.00	0.00	0.00	0.00	0.00	0.00	129.81	129.81	3.56	0.91	366.24	95.16	28.66	116.42	125.99
2019	0.00	0.00	0.00	0.00	0.00	0.00	108.72	108.72	4.10	0.91	348.72	93.21	26.62	119.15	109.73
2020	0.00	0.00	0.00	0.00	0.00	0.00	96.41	96.41	4.58	0.91	367.85	92.67	22.41	123.25	129.52
2021	0.00	0.00	0.00	0.00	0.00	0.00	87.21	87.21	5.02	0.91	353.24	90.85	21.64	124.96	115.80
2022	0.00	0.00	0.00	0.00	0.00	0.00	87.14	87.14	5.45	0.91	341.66	89.23	22.46	127.59	102.39
2023	0.00	0.00	0.00	0.00	0.00	0.00	86.88	86.88	5.89	0.91	330.25	87.37	24.10	133.07	85.71
2024	0.00	0.00	0.00	0.00	0.00	0.00	84.81	84.81	6.31	0.91	313.85	85.54	24.69	137.67	65.96
2025	0.00	0.00	0.00	0.00	0.00	0.00	82.98	82.98	6.73	0.91	256.28	84.18	20.52	130.74	20.84
2026	0.00	0.00	0.00	0.00	0.00	0.00	81.62	81.62	7.14	0.91	247.56	82.89	21.89	133.47	9.32
2027	0.00	0.00	73.39	0.00	0.00	0.00	80.69	154.08	7.91	0.91	220.36	81.36	19.62	132.52	-13.13
2028	0.00	0.00	100.23	0.00	9.06	0.00	18.59	127.89	8.55	0.91	209.04	80.41	18.16	132.18	-21.71
2029	0.00	0.00	15.20	0.00	0.00	0.00	10.30	25.50	8.67	4.88	190.85	78.20	30.46	137.36	-55.17
2030	0.00	0.00	0.00	0.00	0.00	0.00	10.38	10.38	8.72	4.88	181.95	76.93	35.85	136.58	-67.41
2031	0.00	0.00	74.87	0.00	0.00	0.00	10.45	85.32	9.15	4.88	172.38	75.56	39.65	141.55	-84.38
2032	0.00	0.00	102.25	0.00	71.36	0.00	10.53	184.14	10.07	4.88	176.38	75.56	37.67	138.85	-75.70
2033	0.00	0.00	15.51	0.00	0.00	0.00	10.61	26.12	10.20	8.88	159.29	73.36	54.46	146.78	-115.32
2034	0.00	0.00	0.00	0.00	0.00	0.00	10.68	10.68	10.26	8.88	141.44	71.56	62.72	154.47	-147.31
2035	0.00	0.00	77.53	0.00	0.00	0.00	10.76	88.29	10.70	8.88	127.07	70.13	70.28	158.84	-172.19
2036	0.00	0.00	105.88	0.00	0.00	0.00	10.84	116.72	11.28	8.88	131.53	70.02	69.37	156.64	-164.50
2037	0.00	0.00	16.06	0.00	0.00	0.00	6.37	22.43	11.39	12.86	108.15	67.76	95.56	164.46	-219.62
2038	0.00	0.00	159.81	0.00	0.00	0.00	1.40	161.21	12.20	12.87	91.03	66.22	109.67	170.15	-255.00
2039	0.00	0.00	230.88	0.00	0.00	0.00	1.19	232.07	13.36	12.87	77.56	64.91	124.02	182.19	-293.56
2040	0.00	0.00	103.41	0.00	9.06	0.00	1.19	113.66	13.93	12.88	83.22	64.93	126.39	177.17	-285.25
2041	0.00	0.00	7.60	0.00	0.00	0.00	1.19	8.80	13.97	19.99	100.23	63.15	172.08	167.51	-302.50
2042	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	13.98	19.99	82.63	61.63	186.98	175.24	-341.22
2043	0.00	0.00	77.53	0.00	0.00	0.00	1.19	78.72	14.37	19.99	69.26	60.44	199.53	181.71	-372.42
2044	0.00	0.00	105.88	0.00	60.03	0.00	1.19	167.11	15.21	19.99	64.37	59.71	212.48	184.55	-392.38
2045	0.00	0.00	16.06	0.00	0.00	0.00	1.19	17.26	15.29	23.98	46.19	57.69	252.71	194.18	-458.40
2046	0.00	0.00	35.49	0.00	0.00	0.00	1.19	36.68	15.48	23.98	48.76	57.54	252.23	192.81	-453.83
2047	0.00	0.00	48.47	0.00	0.00	0.00	1.19	49.66	15.72	23.98	39.89	56.30	281.04	197.55	-495.00
2048	0.00	0.00	7.35	0.00	0.00	0.00	1.19	8.55	15.77	25.32	32.17	55.19	303.65	201.52	-528.19
2049	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	15.77	25.32	40.27	56.34	278.97	197.29	-492.34
2050	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2051	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2052	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2053	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2054	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2055	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2056	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2057	0.00	0.00	73.39	0.00	0.00	0.00	0.99	74.38	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2058	0.00	0.00	100.23	0.00	0.00	0.00	0.99	101.22	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2059	0.00	0.00	15.20	0.00	0.00	0.00	0.79	15.99	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2060	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2061	0.00	0.00	74.87	0.00	0.00	0.00	0.79	75.65	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2062	0.00	0.00	102.25	0.00	0.00	0.00	0.79	103.03	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2063	0.00	0.00	15.51	0.00	9.06	0.00	0.79	25.36	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2064	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2065	0.00	0.00	77.53	0.00	0.00	0.00	0.79	78.31	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2066	0.00	0.00	105.88	0.00	0.00	0.00	0.79	106.67	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2067	0.00	0.00	16.06	0.00	53.52	0.00	0.79	70.37	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2068	0.00	0.00	159.81	0.00	0.00	0.00	0.79	160.60	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2069	0.00	0.00	230.88	0.00	0.00	0.00	0.58	231.46	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2070	0.00	0.00	103.41	0.00	0.00	0.00	0.58	103.99	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2071	0.00	0.00	7.60	0.00	0.00	0.00	0.58	8.19	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2072	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2073	0.00	0.00	77.53	0.00	0.00	0.00	0.58	78.11	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2074	0.00	0.00	105.88	0.00	0.00	0.00	0.58	106.46	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2075	0.00	0.00	16.06	0.00	9.06	0.00	0.58	25.71	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2076	0.00	0.00	35.49	0.00	0.00	0.00	0.58	36.07	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2077	0.00	0.00	48.47	0.00	0.00	0.00	0.58	49.05	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2078	0.00	0.00	7.35	0.00	0.00	0.00	0.58	7.93	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2079	0.00	0.00	0.00	0.00	45.02	0.00	0.58	45.61	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2080	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2081	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2082	0.00	0.00	0.00	0.00	17.84	0.00	0.58	18.42	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2084	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2085	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2086	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	15.77	25.34	40.27	56.34	278.97	197.29	-492.34
2087	0.00	0													

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	61.08	474.60	2.42	0.91	-20.26	0.00	0.00	0.00	-20.26
2015	0.00	658.31	0.00	0.00	9.06	6.51	66.46	740.32	6.17	0.91	311.04	101.59	24.31	100.62	84.52
2016	0.00	727.23	0.00	0.00	16.18	29.23	109.95	882.59	10.64	0.91	335.92	99.64	25.50	106.55	104.23
2017	0.00	891.38	0.00	0.00	29.74	92.74	71.39	1085.26	16.11	0.91	367.04	97.81	26.91	112.24	130.07
2018	0.00	510.95	0.00	0.00	42.34	112.47	73.10	738.87	19.80	0.91	358.28	95.22	28.60	117.07	117.38
2019	0.00	258.48	0.00	0.00	39.84	69.80	57.30	425.42	21.93	17.46	377.25	95.10	27.15	117.31	137.69
2020	0.00	136.75	0.00	0.00	0.01	217.46	45.17	399.40	23.93	51.79	612.48	102.83	20.79	124.06	298.22
2021	0.00	59.24	0.00	0.00	0.00	0.40	35.91	95.56	24.41	50.00	687.74	103.36	21.25	132.94	430.19
2022	0.00	0.00	0.00	0.00	0.00	0.00	35.78	35.78	24.59	48.72	687.85	101.73	22.02	136.22	427.87
2023	0.00	0.00	0.00	0.00	0.00	0.00	36.22	36.22	24.77	46.76	675.95	99.77	21.53	141.18	413.47
2024	0.00	0.00	0.00	0.00	0.00	0.00	36.84	36.84	24.95	44.97	655.87	97.37	23.86	146.30	388.35
2025	0.00	0.00	0.00	0.00	0.00	0.00	35.65	35.65	25.13	43.24	582.82	95.35	21.76	138.71	327.01
2026	0.00	0.00	0.00	0.00	0.00	0.00	33.98	33.98	25.30	41.40	601.79	94.41	22.52	145.60	339.25
2027	0.00	0.00	0.00	0.00	0.00	0.00	33.93	33.93	25.47	40.03	578.36	92.33	21.74	147.81	316.48
2028	0.00	0.00	73.75	0.00	0.00	0.00	11.79	85.55	25.90	38.74	563.04	90.67	23.08	151.06	298.22
2029	0.00	0.00	174.85	0.00	9.06	0.00	10.34	194.26	26.87	40.11	584.15	92.14	13.12	143.94	334.95
2030	0.00	0.00	116.51	0.00	71.36	0.00	10.38	198.25	27.86	38.89	558.57	89.59	22.82	148.20	297.96
2031	0.00	0.00	15.36	0.00	0.00	0.00	10.45	25.81	27.99	41.64	540.45	87.31	33.91	154.75	264.48
2032	0.00	0.00	0.00	0.00	0.00	0.00	10.53	10.53	28.04	40.44	515.21	85.34	36.53	158.43	234.91
2033	0.00	0.00	0.00	0.00	0.00	0.00	10.61	10.61	28.09	39.28	502.43	83.63	40.22	165.23	213.35
2034	0.00	0.00	0.00	0.00	0.00	0.00	10.68	10.68	28.15	38.16	482.80	81.33	48.20	177.45	175.82
2035	0.00	0.00	0.00	0.00	0.00	0.00	10.76	10.76	28.20	36.65	442.92	80.42	39.91	165.29	157.80
2036	0.00	0.00	0.00	0.00	0.00	0.00	10.84	10.84	28.26	36.03	365.09	78.89	40.88	136.87	108.44
2037	0.00	0.00	0.00	0.00	0.00	0.00	6.37	6.37	28.29	35.45	354.33	78.09	40.81	135.25	100.18
2038	0.00	0.00	0.00	0.00	0.00	0.00	1.40	1.40	28.29	34.88	322.76	75.70	48.39	143.95	54.72
2039	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	28.30	37.22	303.05	74.04	53.91	157.12	17.98
2040	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	28.31	33.79	291.77	72.66	58.66	163.26	-2.82
2041	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	28.31	33.27	270.99	71.02	64.73	170.26	-35.02
2042	0.00	0.00	79.09	0.00	0.00	0.00	1.19	80.28	28.71	32.77	259.42	69.91	68.53	174.04	-53.06
2043	0.00	0.00	108.02	0.00	0.00	0.00	1.19	109.21	29.26	32.28	269.25	69.95	64.24	172.19	-37.12
2044	0.00	0.00	181.05	0.00	0.00	0.00	1.19	182.25	30.17	37.52	242.70	67.84	87.53	181.34	-94.01
2045	0.00	0.00	237.89	0.00	0.00	0.00	1.19	239.09	31.37	37.06	229.01	66.59	99.93	186.65	-124.16
2046	0.00	0.00	106.55	0.00	9.06	0.00	1.19	116.80	31.95	36.62	235.60	66.22	109.94	185.04	-125.60
2047	0.00	0.00	7.84	0.00	0.00	0.00	1.19	9.03	32.00	42.44	285.81	65.01	166.78	179.52	-125.50
2048	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	32.00	41.15	254.07	63.02	185.05	187.95	-181.94
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.99	2.45	32.00	43.64	258.49	64.75	153.92	184.17	-144.35
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.99	3.01	32.00	40.36	258.49	64.75	153.92	184.17	-144.35
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.99	36.61	32.00	39.99	258.49	64.75	153.92	184.17	-144.35
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.99	49.34	32.00	39.62	258.49	64.75	153.92	184.17	-144.35
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.99	34.60	32.00	39.27	258.49	64.75	153.92	184.17	-144.35
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.99	41.07	32.00	38.93	258.49	64.75	153.92	184.17	-144.35
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.99	24.52	32.00	38.60	258.49	64.75	153.92	184.17	-144.35
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.99	1.34	32.00	53.73	258.49	64.75	153.92	184.17	-144.35
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	32.00	37.98	258.49	64.75	153.92	184.17	-144.35
2058	0.00	0.00	73.75	0.00	0.00	0.00	0.99	74.74	32.00	53.13	258.49	64.75	153.92	184.17	-144.35
2059	0.00	0.00	174.85	0.00	0.00	0.00	0.79	175.64	32.00	40.28	258.49	64.75	153.92	184.17	-144.35
2060	0.00	0.00	116.51	0.00	0.00	0.00	0.79	117.30	32.00	49.34	258.49	64.75	153.92	184.17	-144.35
2061	0.00	0.00	15.36	0.00	0.00	0.00	0.79	16.14	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2062	0.00	0.00	0.00	0.00	3.06	1.10	0.79	4.95	32.00	49.34	258.49	64.75	153.92	184.17	-144.35
2063	0.00	0.00	0.00	0.00	0.72	0.05	0.79	1.55	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2064	0.00	0.00	0.00	0.00	27.86	17.46	0.79	46.10	32.00	49.34	258.49	64.75	153.92	184.17	-144.35
2065	0.00	0.00	0.00	0.00	62.15	1.98	0.79	64.91	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2066	0.00	0.00	0.00	0.00	1.18	7.37	0.79	9.33	32.00	49.34	258.49	64.75	153.92	184.17	-144.35
2067	0.00	0.00	0.00	0.00	11.03	63.10	0.79	74.92	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.79	55.76	32.00	49.34	258.49	64.75	153.92	184.17	-144.35
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.58	46.56	32.00	36.77	258.49	64.75	153.92	184.17	-144.35
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.58	13.72	32.00	35.62	258.49	64.75	153.92	184.17	-144.35
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.58	0.64	32.00	35.62	258.49	64.75	153.92	184.17	-144.35
2072	0.00	0.00	79.09	0.00	0.00	0.00	0.58	79.67	32.00	35.62	258.49	64.75	153.92	184.17	-144.35
2073	0.00	0.00	108.02	0.00	0.00	0.00	0.58	108.60	32.00	34.75	258.49	64.75	153.92	184.17	-144.35
2074	0.00	0.00	181.05	0.00	0.00	0.00	0.58	181.64	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2075	0.00	0.00	237.89	0.00	0.00	0.00	0.58	238.48	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2076	0.00	0.00	106.55	0.00	0.00	0.00	0.58	107.13	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2077	0.00	0.00	7.84	0.00	0.00	0.00	0.58	8.42	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2078	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.00	36.77	258.49	64.75	153.92	184.17	-144.35
2080	0.00	0.00	0.00	0.00	17.84	0.00	0.58	18.42	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2081	0.00	0.00	0.00	0.00	9.06	0.00	0.58	9.64	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.58	2.04	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.58	2.60	32.00	33.89	258.49	64.75	153.92	184.17	-144.35
2086	0.00	0.00	0.00	0.00	15.00</										

TABLE 035B
 ECONOMIC SUMMARY
 DSM ANALYSIS - MANITOBA HYDRO VIEW

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	97.03	510.56	2.60	0.91	-21.40	0.00	0.00	0.00	-21.40
2015	0.00	658.31	0.00	0.00	9.06	6.51	110.40	784.27	6.57	0.91	310.19	101.59	24.31	100.55	83.74
2016	0.00	727.23	0.00	0.00	16.18	29.23	159.64	932.28	11.28	0.91	334.97	99.63	25.54	106.44	103.36
2017	0.00	891.38	0.00	0.00	29.74	92.74	126.53	1140.39	17.03	0.91	366.15	97.79	26.93	111.99	129.43
2018	0.00	510.95	0.00	0.00	42.34	112.47	129.81	795.58	21.01	0.91	358.22	95.22	28.48	116.55	117.97
2019	0.00	258.48	0.00	0.00	39.84	69.80	108.72	476.83	23.40	17.46	378.05	95.10	27.01	116.70	139.24
2020	0.00	136.75	0.00	0.00	0.01	217.46	96.41	450.63	25.65	51.79	612.72	102.80	20.60	122.92	366.41
2021	0.00	59.24	0.00	0.00	0.00	0.40	87.21	146.86	26.38	50.00	688.77	103.31	21.13	131.63	432.70
2022	0.00	0.00	0.00	0.00	0.00	0.00	87.14	87.14	26.82	48.72	690.07	101.72	21.82	134.60	431.93
2023	0.00	0.00	0.00	0.00	0.00	0.00	86.88	86.88	27.25	46.76	678.52	99.73	21.28	139.19	418.32
2024	0.00	0.00	0.00	0.00	0.00	0.00	84.81	84.81	27.68	44.97	659.00	97.30	23.67	144.18	393.86
2025	0.00	0.00	0.00	0.00	0.00	0.00	82.98	82.98	28.09	43.24	586.08	95.28	22.09	135.56	333.14
2026	0.00	0.00	0.00	0.00	0.00	0.00	81.62	81.62	28.50	41.40	607.10	94.42	22.68	142.03	347.97
2027	0.00	0.00	0.00	0.00	0.00	0.00	80.69	80.69	28.90	40.03	583.77	92.31	21.46	144.00	326.00
2028	0.00	0.00	73.75	0.00	0.00	0.00	18.59	92.35	29.37	38.74	569.59	90.66	22.68	147.00	309.24
2029	0.00	0.00	100.73	0.00	9.06	0.00	10.30	120.09	29.97	40.11	577.08	90.89	16.99	145.08	324.11
2030	0.00	0.00	15.28	0.00	0.00	0.00	10.38	25.66	30.09	38.89	561.30	89.11	23.98	144.75	303.46
2031	0.00	0.00	74.87	0.00	0.00	0.00	10.45	85.32	30.52	37.65	550.44	87.63	24.46	149.67	288.67
2032	0.00	0.00	102.25	0.00	9.06	0.00	10.53	121.84	31.13	36.45	524.52	85.97	24.48	151.22	262.84
2033	0.00	0.00	15.51	0.00	0.00	0.00	10.61	26.12	31.26	39.27	507.29	84.05	34.90	156.08	232.26
2034	0.00	0.00	0.00	0.00	0.00	0.00	10.68	10.68	31.31	38.15	491.28	82.25	38.42	163.92	206.69
2035	0.00	0.00	0.00	0.00	0.00	0.00	10.76	10.76	31.37	36.63	440.38	80.55	35.24	156.06	168.52
2036	0.00	0.00	0.00	0.00	0.00	0.00	10.84	10.84	31.42	36.01	350.02	78.23	39.79	132.57	99.43
2037	0.00	0.00	0.00	0.00	0.00	0.00	6.37	6.37	31.45	35.41	340.12	77.40	39.68	132.10	90.94
2038	0.00	0.00	0.00	0.00	0.00	0.00	1.40	1.40	31.46	34.84	324.46	75.85	43.14	136.74	68.72
2039	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	31.47	37.18	323.71	75.11	42.85	145.72	60.03
2040	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	31.47	33.76	291.54	72.71	51.25	154.86	12.73
2041	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	31.48	33.24	271.71	71.20	55.79	160.76	-16.05
2042	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	31.49	32.73	250.37	69.51	63.34	168.67	-51.15
2043	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	31.49	32.25	241.09	68.53	66.70	172.30	-66.44
2044	0.00	0.00	79.88	0.00	0.00	0.00	1.19	81.07	31.90	33.51	223.14	67.24	72.45	177.54	-94.09
2045	0.00	0.00	109.10	0.00	71.36	0.00	1.19	181.65	32.80	33.05	232.39	67.26	68.68	175.93	-79.48
2046	0.00	0.00	16.55	0.00	0.00	0.00	1.19	17.74	32.89	36.60	207.19	65.30	91.41	184.44	-133.96
2047	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	32.90	35.30	191.12	64.08	101.56	189.33	-163.85
2048	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	32.91	34.02	173.79	62.82	112.89	193.79	-195.71
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.99	2.45	32.91	36.51	190.70	64.07	101.95	189.19	-164.51
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.99	3.01	32.91	33.24	190.70	64.07	101.95	189.19	-164.51
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.99	36.61	32.91	32.87	190.70	64.07	101.95	189.19	-164.51
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.99	49.34	32.91	32.51	190.70	64.07	101.95	189.19	-164.51
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.99	34.60	32.91	32.16	190.70	64.07	101.95	189.19	-164.51
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.99	41.07	32.91	31.82	190.70	64.07	101.95	189.19	-164.51
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.99	24.52	32.91	31.49	190.70	64.07	101.95	189.19	-164.51
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.99	1.34	32.91	46.62	190.70	64.07	101.95	189.19	-164.51
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	32.91	30.87	190.70	64.07	101.95	189.19	-164.51
2058	0.00	0.00	73.75	0.00	0.00	0.00	0.99	74.74	32.91	46.02	190.70	64.07	101.95	189.19	-164.51
2059	0.00	0.00	100.73	0.00	0.00	0.00	0.79	101.52	32.91	33.17	190.70	64.07	101.95	189.19	-164.51
2060	0.00	0.00	15.28	0.00	0.00	0.00	0.79	16.07	32.91	42.23	190.70	64.07	101.95	189.19	-164.51
2061	0.00	0.00	74.87	0.00	0.00	0.00	0.79	75.65	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2062	0.00	0.00	102.25	0.00	3.06	1.10	0.79	107.20	32.91	42.23	190.70	64.07	101.95	189.19	-164.51
2063	0.00	0.00	15.51	0.00	0.72	0.05	0.79	17.07	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2064	0.00	0.00	0.00	0.00	27.86	17.46	0.79	46.10	32.91	42.23	190.70	64.07	101.95	189.19	-164.51
2065	0.00	0.00	0.00	0.00	8.63	1.98	0.79	11.39	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2066	0.00	0.00	0.00	0.00	1.18	7.37	0.79	9.33	32.91	42.23	190.70	64.07	101.95	189.19	-164.51
2067	0.00	0.00	0.00	0.00	20.09	63.10	0.79	83.98	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.79	55.76	32.91	42.23	190.70	64.07	101.95	189.19	-164.51
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.58	46.56	32.91	29.66	190.70	64.07	101.95	189.19	-164.51
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.58	13.72	32.91	28.51	190.70	64.07	101.95	189.19	-164.51
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.58	0.64	32.91	28.51	190.70	64.07	101.95	189.19	-164.51
2072	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.91	28.51	190.70	64.07	101.95	189.19	-164.51
2073	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.91	27.64	190.70	64.07	101.95	189.19	-164.51
2074	0.00	0.00	79.88	0.00	0.00	0.00	0.58	80.46	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2075	0.00	0.00	109.10	0.00	0.00	0.00	0.58	109.68	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2076	0.00	0.00	16.55	0.00	0.00	0.00	0.58	17.13	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2077	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2078	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.91	29.66	190.70	64.07	101.95	189.19	-164.51
2080	0.00	0.00	0.00	0.00	53.52	0.00	0.58	54.10	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2081	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.58	2.04	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.58	2.60	32.91	26.78	190.70	64.07	101.95	189.19	-164.51
2086	0.00	0.00	0.00	0.00	15.00	20.62									

TABLE 036B
 ECONOMIC SUMMARY
 DSM ANALYSIS - MANITOBA HYDRO VIEW

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2014	27.87	381.69	0.00	0.00	11.53	20.31	61.08	502.47	2.56	0.91	-20.26	0.00	0.00	-20.26	
2015	20.98	658.31	0.00	0.00	9.06	6.51	66.46	761.30	6.42	0.91	311.04	101.60	24.30	84.54	
2016	25.03	727.23	0.00	0.00	16.18	29.23	109.95	907.62	11.00	0.91	335.92	99.64	25.52	104.22	
2017	24.13	891.38	0.00	0.00	29.74	92.74	71.39	1109.38	16.60	0.91	367.05	97.82	26.93	130.07	
2018	21.11	510.95	0.00	0.00	42.34	112.47	73.10	759.98	20.40	0.91	358.30	95.22	28.60	117.42	
2019	35.67	258.48	0.00	0.00	39.84	69.80	57.30	461.09	22.71	17.46	377.25	95.10	27.11	137.73	
2020	93.02	136.75	0.00	0.00	0.01	217.46	45.17	492.42	25.17	51.75	612.48	102.83	20.80	364.79	
2021	70.77	59.24	0.00	0.00	0.00	0.40	35.91	166.32	26.00	50.00	687.75	103.35	21.24	430.22	
2022	501.86	0.00	0.00	0.00	0.00	0.00	35.78	537.64	28.69	48.72	687.46	101.75	21.99	427.50	
2023	827.79	0.00	0.00	0.00	0.00	0.00	36.22	864.00	33.01	46.76	675.08	99.76	21.59	412.43	
2024	525.55	0.00	0.00	0.00	3.52	0.00	36.84	565.91	35.84	44.95	654.51	97.37	23.79	387.04	
2025	937.37	0.00	0.00	0.00	3.52	0.00	35.65	976.54	40.72	43.22	581.47	95.35	21.73	325.21	
2026	709.66	0.00	0.00	0.00	42.78	0.00	33.98	786.42	44.65	41.38	598.94	94.42	22.54	336.09	
2027	640.91	0.00	0.00	0.00	22.19	0.00	33.93	697.02	48.14	40.02	575.09	92.32	21.78	312.80	
2028	512.89	0.00	0.00	0.00	37.34	0.00	11.79	562.03	50.95	38.74	551.54	90.14	24.63	282.26	
2029	901.87	0.00	0.00	0.00	64.65	0.00	10.34	976.87	55.83	40.11	531.89	88.44	26.11	257.19	
2030	403.58	0.00	0.00	0.00	86.62	0.00	10.38	500.58	58.33	49.17	647.23	93.40	23.92	402.82	
2031	53.01	0.00	0.00	0.00	102.09	0.00	10.45	165.55	59.16	48.16	864.76	100.72	24.66	617.67	
2032	-0.39	0.00	0.00	0.00	0.00	0.00	10.53	10.14	59.21	46.83	925.39	101.02	24.61	666.36	
2033	0.00	0.00	0.00	0.00	0.00	0.00	10.61	10.61	59.27	45.88	909.28	99.06	25.05	648.79	
2034	0.00	0.00	0.00	0.00	0.00	0.00	10.68	10.68	59.32	44.59	891.80	97.22	25.38	631.65	
2035	0.00	0.00	0.00	0.00	0.00	0.00	10.76	10.76	59.37	43.02	865.13	95.48	25.28	612.75	
2036	0.00	0.00	0.00	0.00	0.00	0.00	10.84	10.84	59.43	42.24	797.29	93.74	26.90	567.65	
2037	0.00	0.00	0.00	0.00	0.00	0.00	6.37	6.37	59.46	41.29	770.04	92.03	27.21	542.52	
2038	0.00	0.00	0.00	0.00	0.00	0.00	1.40	1.40	59.47	40.80	751.66	90.35	27.52	523.42	
2039	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.47	43.25	730.55	88.67	27.69	494.54	
2040	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.48	42.54	712.87	87.03	27.90	475.79	
2041	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.48	39.13	691.56	85.41	28.07	453.12	
2042	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.49	38.63	666.70	83.82	28.18	427.84	
2043	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.50	38.14	641.38	82.26	28.32	401.14	
2044	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.50	39.40	614.25	80.72	28.37	373.10	
2045	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.51	38.94	586.35	79.22	28.41	344.00	
2046	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.51	37.84	557.74	77.74	28.27	314.35	
2047	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.52	36.55	528.30	76.30	28.06	284.27	
2048	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	59.53	35.27	498.17	74.88	27.89	253.33	
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.99	2.45	59.53	37.75	528.07	76.31	28.07	283.98	
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.99	3.01	59.53	37.36	528.07	76.31	28.07	283.98	
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.99	36.61	59.53	34.10	528.07	76.31	28.07	283.98	
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.99	49.34	59.53	33.74	528.07	76.31	28.07	283.98	
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.99	34.60	59.53	33.38	528.07	76.31	28.07	283.98	
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.99	41.07	59.53	33.04	528.07	76.31	28.07	283.98	
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.99	24.52	59.53	34.45	528.07	76.31	28.07	283.98	
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.99	1.34	59.53	49.58	528.07	76.31	28.07	283.98	
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	59.53	33.82	528.07	76.31	28.07	283.98	
2058	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	59.53	48.97	528.07	76.31	28.07	283.98	
2059	0.00	0.00	0.00	0.00	0.87	0.00	0.79	1.66	59.53	36.13	528.07	76.31	28.07	283.98	
2060	0.00	0.00	0.00	0.00	0.87	0.00	0.79	1.66	59.53	46.33	528.07	76.31	28.07	283.98	
2061	0.00	0.00	0.00	0.00	10.44	0.00	0.79	11.22	59.53	28.00	528.07	76.31	28.07	283.98	
2062	0.00	0.00	0.00	0.00	8.28	1.10	0.79	10.16	59.53	43.45	528.07	76.31	28.07	283.98	
2063	0.00	0.00	0.00	0.00	9.41	0.05	0.79	10.25	59.53	28.00	528.07	76.31	28.07	283.98	
2064	0.00	0.00	0.00	0.00	33.58	17.46	0.79	51.82	59.53	43.45	528.07	76.31	28.07	283.98	
2065	0.00	0.00	0.00	0.00	29.50	1.98	0.79	32.26	59.53	28.00	528.07	76.31	28.07	283.98	
2066	0.00	0.00	0.00	0.00	26.40	7.37	0.79	34.55	59.53	43.45	528.07	76.31	28.07	283.98	
2067	0.00	0.00	0.00	0.00	11.03	63.10	0.79	74.92	59.53	43.45	528.07	76.31	28.07	283.98	
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.79	55.76	59.53	43.45	528.07	76.31	28.07	283.98	
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.58	46.56	59.53	46.33	528.07	76.31	28.07	283.98	
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.58	13.72	59.53	32.62	528.07	76.31	28.07	283.98	
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.58	0.64	59.53	45.18	528.07	76.31	28.07	283.98	
2072	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	59.53	29.73	528.07	76.31	28.07	283.98	
2073	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	59.53	44.31	528.07	76.31	28.07	283.98	
2074	0.00	0.00	0.00	0.00	2.65	0.00	0.58	3.23	59.53	28.00	528.07	76.31	28.07	283.98	
2075	0.00	0.00	0.00	0.00	2.65	0.00	0.58	3.23	59.53	43.45	528.07	76.31	28.07	283.98	
2076	0.00	0.00	0.00	0.00	32.34	0.00	0.58	32.92	59.53	28.00	528.07	76.31	28.07	283.98	
2077	0.00	0.00	0.00	0.00	16.97	0.00	0.58	17.55	59.53	43.45	528.07	76.31	28.07	283.98	
2078	0.00	0.00	0.00	0.00	28.64	0.00	0.58	29.22	59.53	28.00	528.07	76.31	28.07	283.98	
2079	0.00	0.00	0.00	0.00	49.87	0.00	0.58	50.45	59.53	46.33	528.07	76.31	28.07	283.98	
2080	0.00	0.00	0.00	0.00	65.75	0.00	0.58	66.33	59.53	30.89	528.07	76.31	28.07	283.98	
2081	0.00	0.00	0.00	0.00	76.87	0.00	0.58	77.45	59.53	45.18	528.07	76.31	28.07	283.98	
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	59.53	29.73	528.07	76.31	28.07	283.98	
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	59.53	45.18	528.07	76.31	28.07	283.98	
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.58	2.04	59.53	29.73	528.07	76.31	28.07	283.98	
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.58	2.60	59.53	45.18	528.07	76.31	28.07	283.98	
2086	0.00	0.00	0.00	0.00	15.00	20.62	0.58	36.20	59.53	28.00	528.07	76.31	28.07	283.98	
2087	0.00	0.00	0.00	0.00	18.71	29.64	0.58	48.93	59.53	28.00	528.07	76.31	28.07	283.98	
2088	0.00	0.00	0.00	0.00	19.60	14.01	0.58	34.19	59.53	28.00	528.07	76.31	28.07	283.98	
2089	0.00	0.00	0.00	0.00	16.72	23.36	0.58	40.66	59.53	30.89	528.07	76.31	28.07	283.98	
2090	0.00	0.00	0.00	0.00	0.00	23.53	0.58	24.11	59.53	33.77	528.07	76.31	28.07	283.98	
2091	0.00	0.00	0.00	0.00	0.00	0.35	0.58	0.93	59.53	30.89	528.07	76.31</			

TABLE 037B
 ECONOMIC SUMMARY
 DSM ANALYSIS - MANITOBA HYDRO VIEW

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	27.87	381.69	0.00	0.00	11.53	20.31	97.03	538.42	2.74	0.91	-21.40	0.00	0.00	0.00	-21.40
2015	20.98	658.31	0.00	0.00	9.06	6.51	110.40	805.25	6.82	0.91	310.20	101.59	24.29	100.55	83.77
2016	25.03	727.23	0.00	0.00	16.18	29.23	159.64	957.31	11.65	0.91	334.98	99.63	25.51	106.43	103.41
2017	24.13	891.38	0.00	0.00	29.74	92.74	126.53	1164.52	17.52	0.91	366.14	97.80	26.95	111.96	129.42
2018	21.11	510.95	0.00	0.00	42.34	112.47	129.81	816.68	21.61	0.91	358.26	95.22	28.49	116.56	117.99
2019	35.67	258.48	0.00	0.00	39.84	69.80	108.72	512.50	24.17	17.46	378.05	95.10	27.05	116.69	139.21
2020	93.02	136.75	0.00	0.00	0.01	217.46	96.41	543.65	26.89	51.75	612.76	102.80	20.60	122.92	366.45
2021	70.77	59.24	0.00	0.00	0.00	0.40	87.21	217.62	27.98	50.00	688.78	103.31	21.12	131.63	432.72
2022	501.86	0.00	0.00	0.00	0.00	0.00	87.14	589.00	30.92	48.72	689.62	101.73	21.78	134.62	431.49
2023	827.79	0.00	0.00	0.00	0.00	0.00	86.88	914.66	35.49	46.76	677.59	99.72	21.33	139.28	417.26
2024	525.55	0.00	0.00	0.00	3.52	0.00	84.81	613.88	38.56	44.95	657.81	97.31	23.61	144.19	392.70
2025	937.37	0.00	0.00	0.00	3.52	0.00	82.98	1023.87	43.68	43.22	584.80	95.29	21.98	136.04	331.49
2026	709.66	0.00	0.00	0.00	42.78	0.00	81.62	834.05	47.85	41.38	604.10	94.43	22.66	142.25	344.76
2027	640.91	0.00	0.00	0.00	22.19	0.00	80.69	743.79	51.57	40.02	580.73	92.31	21.48	144.41	322.53
2028	512.89	0.00	0.00	0.00	37.34	0.00	18.59	568.83	54.42	38.74	554.63	89.83	25.00	152.36	287.45
2029	901.87	0.00	0.00	0.00	64.65	0.00	10.30	976.82	59.30	40.11	534.23	88.01	26.86	159.17	260.19
2030	403.58	0.00	0.00	0.00	86.62	0.00	10.38	500.58	61.80	49.17	659.00	93.55	24.08	124.28	417.08
2031	53.01	0.00	0.00	0.00	102.09	0.00	10.45	165.55	62.63	48.16	876.09	100.77	24.50	118.91	631.90
2032	-0.39	0.00	0.00	0.00	0.00	0.00	10.53	10.14	62.68	46.83	932.85	100.93	24.54	129.40	677.98
2033	0.00	0.00	0.00	0.00	0.00	0.00	10.61	10.61	62.74	45.88	916.98	98.93	24.99	132.35	660.71
2034	0.00	0.00	0.00	0.00	0.00	0.00	10.68	10.68	62.79	44.59	900.86	97.10	25.15	133.79	644.82
2035	0.00	0.00	0.00	0.00	0.00	0.00	10.76	10.76	62.84	43.02	875.26	95.40	25.38	127.25	627.23
2036	0.00	0.00	0.00	0.00	0.00	0.00	10.84	10.84	62.90	42.24	808.56	93.65	26.75	105.90	582.26
2037	0.00	0.00	0.00	0.00	0.00	0.00	6.37	6.37	62.93	41.29	782.00	91.94	27.22	105.39	557.45
2038	0.00	0.00	0.00	0.00	0.00	0.00	1.40	1.40	62.94	40.80	763.88	90.26	27.51	107.31	538.80
2039	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	62.94	43.25	744.10	88.60	27.72	116.68	511.11
2040	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	62.95	42.54	726.61	86.96	27.88	119.09	492.68
2041	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	62.95	39.13	705.28	85.34	28.03	121.61	470.30
2042	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	62.96	38.63	681.36	83.76	28.22	123.51	445.88
2043	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	62.97	38.14	655.87	82.20	28.31	126.06	419.31
2044	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	62.97	39.40	628.67	80.68	28.30	128.26	391.43
2045	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	62.98	38.94	601.64	79.17	28.39	131.11	362.97
2046	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	62.98	37.84	572.22	77.66	28.35	133.66	332.55
2047	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	62.99	36.55	544.92	76.30	27.96	135.20	305.46
2048	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	63.00	35.27	513.75	74.84	27.85	137.78	273.28
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.99	2.45	63.00	37.75	543.63	76.27	28.05	135.55	303.76
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.99	3.01	63.00	37.36	543.63	76.27	28.05	135.55	303.76
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.99	36.61	63.00	34.10	543.63	76.27	28.05	135.55	303.76
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.99	49.34	63.00	33.74	543.63	76.27	28.05	135.55	303.76
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.99	34.60	63.00	33.38	543.63	76.27	28.05	135.55	303.76
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.99	41.07	63.00	33.04	543.63	76.27	28.05	135.55	303.76
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.99	24.52	63.00	34.45	543.63	76.27	28.05	135.55	303.76
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.99	1.34	63.00	49.58	543.63	76.27	28.05	135.55	303.76
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	63.00	33.82	543.63	76.27	28.05	135.55	303.76
2058	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	63.00	48.97	543.63	76.27	28.05	135.55	303.76
2059	0.00	0.00	0.00	0.00	0.87	0.00	0.79	1.66	63.00	36.13	543.63	76.27	28.05	135.55	303.76
2060	0.00	0.00	0.00	0.00	0.87	0.00	0.79	1.66	63.00	46.33	543.63	76.27	28.05	135.55	303.76
2061	0.00	0.00	0.00	0.00	10.44	0.00	0.79	11.22	63.00	28.00	543.63	76.27	28.05	135.55	303.76
2062	0.00	0.00	0.00	0.00	8.28	1.10	0.79	10.16	63.00	43.45	543.63	76.27	28.05	135.55	303.76
2063	0.00	0.00	0.00	0.00	9.41	0.05	0.79	10.25	63.00	28.00	543.63	76.27	28.05	135.55	303.76
2064	0.00	0.00	0.00	0.00	33.58	17.46	0.79	51.82	63.00	43.45	543.63	76.27	28.05	135.55	303.76
2065	0.00	0.00	0.00	0.00	29.50	1.98	0.79	32.26	63.00	28.00	543.63	76.27	28.05	135.55	303.76
2066	0.00	0.00	0.00	0.00	26.40	7.37	0.79	34.55	63.00	43.45	543.63	76.27	28.05	135.55	303.76
2067	0.00	0.00	0.00	0.00	11.03	63.10	0.79	74.92	63.00	43.45	543.63	76.27	28.05	135.55	303.76
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.79	55.76	63.00	43.45	543.63	76.27	28.05	135.55	303.76
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.58	46.56	63.00	46.33	543.63	76.27	28.05	135.55	303.76
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.58	13.72	63.00	32.62	543.63	76.27	28.05	135.55	303.76
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.58	0.64	63.00	45.18	543.63	76.27	28.05	135.55	303.76
2072	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	63.00	29.73	543.63	76.27	28.05	135.55	303.76
2073	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	63.00	44.31	543.63	76.27	28.05	135.55	303.76
2074	0.00	0.00	0.00	0.00	2.65	0.00	0.58	3.23	63.00	28.00	543.63	76.27	28.05	135.55	303.76
2075	0.00	0.00	0.00	0.00	2.65	0.00	0.58	3.23	63.00	43.45	543.63	76.27	28.05	135.55	303.76
2076	0.00	0.00	0.00	0.00	32.34	0.00	0.58	32.92	63.00	28.00	543.63	76.27	28.05	135.55	303.76
2077	0.00	0.00	0.00	0.00	16.97	0.00	0.58	17.55	63.00	43.45	543.63	76.27	28.05	135.55	303.76
2078	0.00	0.00	0.00	0.00	28.64	0.00	0.58	29.22	63.00	28.00	543.63	76.27	28.05	135.55	303.76
2079	0.00	0.00	0.00	0.00	49.87	0.00	0.58	50.45	63.00	46.33	543.63	76.27	28.05	135.55	303.76
2080	0.00	0.00	0.00	0.00	65.75	0.00	0.58	66.33	63.00	30.89	543.63	76.27	28.05	135.55	303.76
2081	0.00	0.00	0.00	0.00	76.87	0.00	0.58	77.45	63.00	45.18	543.63	76.27	28.05	135.55	303.76
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	63.00	29.73	543.63	76.27	28.05	135.55	303.76
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	63.00	45.18	543.63	76.27	28.05	135.55	303.76
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.58	2.04	63.00	29.73	543.63	76.27	28.05	135.55	303.76
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.58	2.60	63.00	45.18	543.63	76.27	28.05	135.55	303.76
2086	0.00	0.00	0.00	0.00	15.00	20.62	0.58</								

TABLE 038B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.78	0.00	0.00	11.53	0.00	19.91	413.21	2.12	0.91	-10.97	0.00	0.00	0.00	-10.97
2015	0.00	14.49	0.00	0.00	0.00	0.00	19.21	33.70	2.33	0.91	319.07	101.68	23.59	100.77	93.02
2016	0.00	14.44	0.00	0.00	0.00	0.00	18.51	32.95	2.55	0.91	346.25	99.77	25.34	106.68	114.46
2017	0.00	14.50	0.00	0.00	0.00	0.00	17.16	31.67	2.75	0.91	380.81	98.01	27.52	111.18	144.10
2018	0.00	14.24	0.00	0.00	0.00	0.00	16.23	30.47	2.91	0.91	377.30	95.23	29.77	116.57	135.73
2019	0.00	673.44	0.00	0.00	9.06	0.00	14.42	696.92	6.39	0.91	360.37	93.29	26.47	119.86	120.76
2020	0.00	744.14	0.00	0.00	16.18	0.00	13.41	773.72	10.26	0.94	374.27	92.53	22.87	125.92	132.95
2021	0.00	912.08	0.00	0.00	29.74	0.00	13.27	955.09	15.04	0.94	364.26	90.82	21.94	130.45	121.05
2022	0.00	522.84	0.00	0.00	42.34	0.00	13.18	578.37	17.93	0.94	360.09	89.32	23.24	136.33	111.21
2023	0.00	264.37	0.00	0.00	39.84	0.00	13.60	317.82	19.52	17.46	368.39	88.56	24.82	137.83	117.18
2024	0.00	139.75	0.00	0.00	0.01	0.00	13.21	152.97	20.28	17.59	502.71	94.76	24.46	119.04	264.44
2025	0.00	60.40	0.00	0.00	0.00	0.00	12.41	72.81	20.65	17.19	494.38	95.41	22.65	116.44	259.89
2026	0.00	0.00	0.00	0.00	0.00	0.00	10.64	10.64	20.70	17.41	490.41	94.18	23.14	118.80	254.30
2027	0.00	0.00	0.00	0.00	0.00	0.00	10.40	10.40	20.75	17.23	453.36	92.14	21.42	118.24	221.56
2028	0.00	0.00	0.00	0.00	0.00	0.00	5.33	5.33	20.78	17.09	429.20	89.95	24.05	121.83	193.37
2029	0.00	0.00	74.12	0.00	0.00	0.00	5.33	79.45	21.17	16.87	416.92	88.89	23.49	119.99	184.55
2030	0.00	0.00	101.23	0.00	9.06	0.00	5.33	115.63	21.75	16.45	409.24	88.85	15.87	113.09	191.42
2031	0.00	0.00	15.36	0.00	0.00	0.00	5.33	20.69	21.86	20.45	376.07	86.30	25.90	115.63	148.24
2032	0.00	0.00	75.24	0.00	0.00	0.00	5.35	80.59	22.26	20.49	357.23	84.55	29.03	118.63	125.01
2033	0.00	0.00	102.76	0.00	71.36	0.00	5.35	179.47	23.16	23.18	359.55	83.83	28.73	120.34	126.66
2034	0.00	0.00	15.59	0.00	0.00	0.00	5.35	20.93	23.26	23.25	341.20	81.42	45.88	126.89	87.01
2035	0.00	0.00	76.37	0.00	0.00	0.00	5.35	81.72	23.67	23.25	328.28	79.80	50.74	132.60	65.14
2036	0.00	0.00	104.31	0.00	0.00	0.00	5.35	109.66	24.22	23.25	324.49	79.00	51.73	133.23	60.53
2037	0.00	0.00	92.96	0.00	0.00	0.00	5.35	98.31	24.71	27.23	309.67	77.17	68.31	138.98	25.21
2038	0.00	0.00	105.35	0.00	60.03	0.00	0.01	165.39	25.54	27.24	297.74	75.76	78.01	144.27	-0.31
2039	0.00	0.00	176.59	0.00	0.00	0.00	0.01	176.60	26.42	30.58	281.35	73.88	100.00	156.67	-49.20
2040	0.00	0.00	232.03	0.00	0.00	0.00	0.01	232.04	27.58	30.58	263.80	72.36	110.73	161.70	-80.99
2041	0.00	0.00	103.92	0.00	9.06	0.00	0.01	112.99	28.14	30.59	246.12	70.66	133.58	167.24	-125.36
2042	0.00	0.00	7.64	0.00	0.00	0.00	0.01	7.65	28.18	37.70	282.59	69.83	171.30	154.54	-113.09
2043	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	28.18	40.59	271.06	68.52	181.85	162.02	-141.32
2044	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	28.18	37.71	258.79	67.17	195.31	168.34	-172.04
2045	0.00	0.00	80.28	0.00	0.00	0.00	0.01	80.29	28.58	37.72	247.82	65.94	208.32	173.80	-200.23
2046	0.00	0.00	109.64	0.00	0.00	0.00	0.01	109.65	29.13	37.72	242.78	65.06	220.92	175.50	-218.70
2047	0.00	0.00	16.63	0.00	0.00	0.00	0.01	16.64	29.22	41.70	247.04	64.53	234.82	174.07	-226.39
2048	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	43.43	229.14	62.79	262.29	181.90	-277.83
2049	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	43.43	239.65	64.12	239.34	177.16	-240.97
2050	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	43.43	239.65	64.12	239.34	177.16	-240.97
2051	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	42.57	239.65	64.12	239.34	177.16	-240.97
2052	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2053	0.00	0.00	0.00	0.00	1.09	0.00	0.01	1.09	29.22	44.59	239.65	64.12	239.34	177.16	-240.97
2054	0.00	0.00	0.00	0.00	0.43	0.00	0.01	0.43	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2055	0.00	0.00	0.00	0.00	15.00	0.00	0.01	15.01	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2056	0.00	0.00	0.00	0.00	18.71	0.00	0.01	18.72	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2057	0.00	0.00	0.00	0.00	19.60	0.00	0.01	19.60	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2058	0.00	0.00	0.00	0.00	16.72	0.00	0.01	16.73	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2059	0.00	0.00	74.12	0.00	0.00	0.00	0.01	74.13	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2060	0.00	0.00	101.23	0.00	0.00	0.00	0.01	101.24	29.22	57.15	239.65	64.12	239.34	177.16	-240.97
2061	0.00	0.00	15.36	0.00	0.00	0.00	0.01	15.36	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2062	0.00	0.00	75.24	0.00	0.00	0.00	0.01	75.25	29.22	57.15	239.65	64.12	239.34	177.16	-240.97
2063	0.00	0.00	102.76	0.00	0.00	0.00	0.01	102.77	29.22	44.59	239.65	64.12	239.34	177.16	-240.97
2064	0.00	0.00	15.59	0.00	0.00	0.00	0.01	15.59	29.22	57.15	239.65	64.12	239.34	177.16	-240.97
2065	0.00	0.00	76.37	0.00	9.06	0.00	0.01	85.44	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2066	0.00	0.00	104.31	0.00	3.06	0.00	0.01	107.38	29.22	57.15	239.65	64.12	239.34	177.16	-240.97
2067	0.00	0.00	92.96	0.00	0.72	0.00	0.01	93.69	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2068	0.00	0.00	105.35	0.00	72.31	0.00	0.01	177.68	29.22	57.15	239.65	64.12	239.34	177.16	-240.97
2069	0.00	0.00	176.59	0.00	8.63	0.00	0.01	185.23	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2070	0.00	0.00	232.03	0.00	1.18	0.00	0.01	233.22	29.22	57.15	239.65	64.12	239.34	177.16	-240.97
2071	0.00	0.00	103.92	0.00	11.03	0.00	0.01	114.96	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2072	0.00	0.00	7.64	0.00	22.75	0.00	0.01	30.40	29.22	57.15	239.65	64.12	239.34	177.16	-240.97
2073	0.00	0.00	0.00	0.00	68.15	0.00	0.01	68.15	29.22	44.59	239.65	64.12	239.34	177.16	-240.97
2074	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	29.22	43.43	239.65	64.12	239.34	177.16	-240.97
2075	0.00	0.00	80.28	0.00	0.00	0.00	0.01	80.29	29.22	43.43	239.65	64.12	239.34	177.16	-240.97
2076	0.00	0.00	109.64	0.00	9.06	0.00	0.01	118.71	29.22	43.43	239.65	64.12	239.34	177.16	-240.97
2077	0.00	0.00	16.63	0.00	0.00	0.00	0.01	16.64	29.22	42.57	239.65	64.12	239.34	177.16	-240.97
2078	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2080	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2081	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2083	0.00	0.00	0.00	0.00	17.84	0.00	0.01	17.85	29.22	44.59	239.65	64.12	239.34	177.16	-240.97
2084	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2085	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	29.22	41.70	239.65	64.12	239.34	177.16	-240.97
2086	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01							

TABLE 039B
ECONOMIC SUMMARY
DSM ANALYSIS - TOTAL RESOURCE COST

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)								Net Average Flow Related Revenue (Millions of 2014\$)						
	Conawapa GS	Keyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	381.69	0.00	0.00	11.53	20.31	114.79	528.32	2.42	0.91	0.00	0.00	0.00	0.00	0.00
2015	0.00	658.31	0.00	0.00	9.06	6.51	130.13	804.00	6.17	0.91	344.80	101.55	24.43	100.65	118.17
2016	0.00	727.23	0.00	0.00	16.18	29.23	276.16	1048.80	10.64	0.91	395.12	99.54	25.87	106.14	163.58
2017	0.00	891.38	0.00	0.00	29.74	92.74	164.09	1177.95	16.11	0.91	444.81	97.68	27.37	110.67	209.09
2018	0.00	510.95	0.00	0.00	42.34	112.47	164.00	829.76	19.80	0.91	465.10	95.19	28.84	114.18	226.89
2019	0.00	258.48	0.00	0.00	39.84	69.80	138.28	506.40	21.93	17.46	500.30	95.09	27.08	112.55	265.57
2020	0.00	136.75	0.00	0.00	0.01	217.46	105.49	459.71	23.93	51.79	745.73	102.76	20.18	118.49	504.30
2021	0.00	59.24	0.00	0.00	0.00	0.40	84.64	144.28	24.41	50.00	831.53	103.25	21.29	127.17	579.82
2022	0.00	0.00	0.00	0.00	0.00	0.00	112.02	112.03	24.59	48.72	841.24	101.65	21.86	130.29	587.44
2023	0.00	0.00	0.00	0.00	0.00	0.00	111.43	111.43	24.77	46.76	837.25	99.68	21.14	133.98	582.46
2024	0.00	0.00	0.00	0.00	0.00	0.00	112.19	112.19	24.95	44.97	821.28	97.04	24.07	141.28	558.88
2025	0.00	0.00	0.00	0.00	0.00	0.00	102.83	102.83	25.13	43.24	753.33	95.09	22.90	132.97	502.37
2026	0.00	0.00	0.00	0.00	0.00	0.00	103.35	103.35	25.30	41.40	763.16	94.53	23.70	132.03	512.91
2027	0.00	0.00	0.00	0.00	0.00	0.00	103.31	103.31	25.47	40.03	720.26	92.35	21.31	126.77	479.83
2028	0.00	0.00	0.00	0.00	0.00	0.00	96.92	96.92	25.53	38.74	707.15	90.59	22.63	128.88	465.06
2029	0.00	0.00	0.00	0.00	0.00	0.00	97.87	97.87	25.58	40.11	695.84	88.95	23.25	132.25	451.39
2030	0.00	0.00	0.00	0.00	0.00	0.00	99.54	99.54	25.63	34.91	684.68	87.82	22.35	129.57	444.94
2031	0.00	0.00	0.00	0.00	0.00	0.00	101.93	101.93	25.68	33.67	679.62	86.34	22.91	133.58	436.79
2032	0.00	0.00	0.00	0.00	0.00	0.00	100.51	100.51	25.74	32.47	659.12	84.73	23.07	132.90	418.41
2033	0.00	0.00	0.00	0.00	0.00	0.00	106.89	106.89	25.79	31.31	645.94	83.15	23.70	136.37	402.72
2034	0.00	0.00	0.00	0.00	0.00	0.00	112.28	112.28	25.84	30.19	632.76	81.58	24.24	140.28	386.66
2035	0.00	0.00	0.00	0.00	0.00	0.00	115.74	115.74	25.90	28.67	577.29	80.14	24.55	121.09	351.50
2036	0.00	0.00	0.00	0.00	0.00	0.00	163.63	163.63	25.95	28.05	553.18	78.66	24.77	120.92	328.84
2037	0.00	0.00	0.00	0.00	0.00	0.00	119.48	119.48	25.98	27.46	534.98	77.21	25.00	124.47	308.31
2038	0.00	0.00	77.53	0.00	0.00	0.00	115.82	193.34	26.38	26.89	514.82	75.76	25.11	127.26	286.68
2039	0.00	0.00	105.88	0.00	9.06	0.00	129.62	244.56	26.96	29.22	498.01	74.63	23.78	136.42	263.18
2040	0.00	0.00	16.06	0.00	0.00	0.00	121.15	137.21	27.04	29.78	488.83	73.22	33.83	140.51	241.27
2041	0.00	0.00	0.00	0.00	0.00	0.00	115.05	115.05	27.05	29.26	457.70	71.80	46.28	135.87	203.75
2042	0.00	0.00	79.09	0.00	0.00	0.00	115.57	194.66	27.45	28.75	450.06	70.42	44.29	146.82	188.54
2043	0.00	0.00	108.02	0.00	9.06	0.00	82.55	199.62	28.04	28.27	455.68	69.82	39.37	155.49	191.00
2044	0.00	0.00	16.39	0.00	0.00	0.00	68.40	84.78	28.13	33.51	430.39	67.84	57.94	163.38	141.22
2045	0.00	0.00	80.28	0.00	0.00	0.00	61.98	142.25	28.54	33.05	412.37	66.57	63.15	169.21	113.44
2046	0.00	0.00	109.64	0.00	71.36	0.00	59.70	240.71	29.45	32.61	410.76	66.00	65.45	171.87	107.44
2047	0.00	0.00	16.63	0.00	0.00	0.00	58.38	75.01	29.54	35.30	401.18	64.75	85.83	175.51	75.09
2048	0.00	0.00	0.00	0.00	0.00	0.00	57.99	57.99	29.54	34.02	370.43	62.96	100.95	182.55	23.97
2049	0.00	0.00	0.00	0.00	1.09	0.37	53.55	55.01	29.54	36.51	394.12	64.57	84.07	176.64	68.83
2050	0.00	0.00	0.00	0.00	0.43	1.59	52.20	54.22	29.54	33.23	394.12	64.57	84.07	176.64	68.83
2051	0.00	0.00	0.00	0.00	15.00	20.62	51.77	87.39	29.54	32.86	394.12	64.57	84.07	176.64	68.83
2052	0.00	0.00	0.00	0.00	18.71	29.64	51.66	100.01	29.54	32.50	394.12	64.57	84.07	176.64	68.83
2053	0.00	0.00	0.00	0.00	19.60	14.01	52.87	86.48	29.54	32.16	394.12	64.57	84.07	176.64	68.83
2054	0.00	0.00	0.00	0.00	16.72	23.36	60.16	100.23	29.54	31.82	394.12	64.57	84.07	176.64	68.83
2055	0.00	0.00	0.00	0.00	0.00	23.53	64.83	88.36	29.54	31.49	394.12	64.57	84.07	176.64	68.83
2056	0.00	0.00	0.00	0.00	0.00	0.35	109.83	110.18	29.54	46.62	394.12	64.57	84.07	176.64	68.83
2057	0.00	0.00	0.00	0.00	0.00	0.00	73.00	73.00	29.54	30.87	394.12	64.57	84.07	176.64	68.83
2058	0.00	0.00	0.00	0.00	0.00	0.00	82.53	82.53	29.54	46.02	394.12	64.57	84.07	176.64	68.83
2059	0.00	0.00	0.00	0.00	0.00	0.00	81.67	81.67	29.54	33.17	394.12	64.57	84.07	176.64	68.83
2060	0.00	0.00	0.00	0.00	0.00	0.00	73.51	73.51	29.54	42.23	394.12	64.57	84.07	176.64	68.83
2061	0.00	0.00	0.00	0.00	0.00	0.00	64.58	64.58	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2062	0.00	0.00	0.00	0.00	3.06	1.10	55.38	59.54	29.54	42.23	394.12	64.57	84.07	176.64	68.83
2063	0.00	0.00	0.00	0.00	0.72	0.05	57.18	57.95	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2064	0.00	0.00	0.00	0.00	18.79	17.46	58.61	94.86	29.54	42.23	394.12	64.57	84.07	176.64	68.83
2065	0.00	0.00	0.00	0.00	8.63	1.98	68.43	79.03	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2066	0.00	0.00	0.00	0.00	1.18	7.37	70.76	79.31	29.54	42.23	394.12	64.57	84.07	176.64	68.83
2067	0.00	0.00	0.00	0.00	11.03	63.10	69.49	143.62	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2068	0.00	0.00	77.53	0.00	22.75	32.23	68.63	201.13	29.54	42.23	394.12	64.57	84.07	176.64	68.83
2069	0.00	0.00	105.88	0.00	23.12	22.86	68.46	220.33	29.54	29.66	394.12	64.57	84.07	176.64	68.83
2070	0.00	0.00	16.06	0.00	0.01	13.13	51.71	80.91	29.54	28.51	394.12	64.57	84.07	176.64	68.83
2071	0.00	0.00	0.00	0.00	0.00	0.05	51.88	51.93	29.54	28.51	394.12	64.57	84.07	176.64	68.83
2072	0.00	0.00	79.09	0.00	0.00	0.00	57.47	136.56	29.54	28.51	394.12	64.57	84.07	176.64	68.83
2073	0.00	0.00	108.02	0.00	0.00	0.00	78.05	186.06	29.54	27.64	394.12	64.57	84.07	176.64	68.83
2074	0.00	0.00	16.39	0.00	9.06	0.00	91.04	116.49	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2075	0.00	0.00	80.28	0.00	0.00	0.00	98.09	178.37	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2076	0.00	0.00	109.64	0.00	0.00	0.00	139.32	248.96	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2077	0.00	0.00	16.63	0.00	0.00	0.00	101.55	118.18	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2078	0.00	0.00	0.00	0.00	9.06	0.00	94.50	103.56	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2079	0.00	0.00	0.00	0.00	0.00	0.00	84.87	84.87	29.54	29.66	394.12	64.57	84.07	176.64	68.83
2080	0.00	0.00	0.00	0.00	0.00	0.00	74.10	74.10	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2081	0.00	0.00	0.00	0.00	53.52	0.00	66.50	120.02	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2082	0.00	0.00	0.00	0.00	0.00	0.00	65.64	65.64	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2083	0.00	0.00	0.00	0.00	0.00	0.00	64.06	64.06	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2084	0.00	0.00	0.00	0.00	1.09	0.37	63.58	65.04	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2085	0.00	0.00	0.00	0.00	0.43	1.59	54.80	56.82	29.54	26.78	394.12	64.57	84.07	176.64	68.83
2086	0.00	0.00	0.00												

TABLE 040B
ECONOMIC SUMMARY
DSM ANALYSIS - MANITOBA HYDRO VIEW

Energy Price
Discount Rate
Capital Cost
Reference
4.65%
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2014	0.00	381.69	0.00	0.00	11.53	20.31	61.08	474.60	2.42	0.91	-20.26	0.00	0.00	-20.26	
2015	0.00	658.31	0.00	0.00	9.06	6.51	66.46	740.32	6.17	0.91	310.77	101.55	24.43	84.15	
2016	0.00	727.23	0.00	0.00	16.18	29.23	109.95	882.59	10.64	0.91	336.02	99.54	25.87	104.48	
2017	0.00	891.38	0.00	0.00	29.74	92.74	71.39	1085.26	16.11	0.91	370.68	97.68	27.37	134.96	
2018	0.00	510.95	0.00	0.00	42.34	112.47	73.10	738.87	19.80	0.91	371.38	95.19	28.84	133.18	
2019	0.00	258.48	0.00	0.00	39.84	69.80	57.30	425.42	21.93	17.46	396.16	95.09	27.08	161.44	
2020	0.00	136.75	0.00	0.00	0.01	217.46	45.17	399.40	23.93	51.79	633.93	102.76	20.18	392.50	
2021	0.00	59.24	0.00	0.00	0.00	0.40	35.91	95.56	24.41	50.00	713.96	103.25	21.29	462.25	
2022	0.00	0.00	0.00	0.00	0.00	0.00	35.78	35.78	24.59	48.72	716.63	101.65	21.86	462.83	
2023	0.00	0.00	0.00	0.00	0.00	0.00	36.22	36.22	24.77	46.76	708.18	99.68	21.14	453.39	
2024	0.00	0.00	0.00	0.00	0.00	0.00	36.84	36.84	24.95	44.97	687.22	97.04	24.07	424.83	
2025	0.00	0.00	0.00	0.00	0.00	0.00	35.65	35.65	25.13	43.24	614.54	95.09	22.90	363.59	
2026	0.00	0.00	0.00	0.00	0.00	0.00	33.98	33.98	25.30	41.40	619.10	94.53	23.70	368.85	
2027	0.00	0.00	0.00	0.00	0.00	0.00	33.93	33.93	25.47	40.03	574.11	92.35	21.31	333.68	
2028	0.00	0.00	0.00	0.00	0.00	0.00	11.79	11.79	25.53	38.74	557.60	90.59	22.63	315.51	
2029	0.00	0.00	0.00	0.00	0.00	0.00	10.34	10.34	25.58	40.11	543.02	88.95	23.25	298.57	
2030	0.00	0.00	0.00	0.00	0.00	0.00	10.38	10.38	25.63	34.91	528.60	87.82	22.35	288.86	
2031	0.00	0.00	0.00	0.00	0.00	0.00	10.45	10.45	25.68	33.67	520.36	86.34	22.91	277.53	
2032	0.00	0.00	0.00	0.00	0.00	0.00	10.53	10.53	25.74	32.47	496.77	84.73	23.07	256.07	
2033	0.00	0.00	0.00	0.00	0.00	0.00	10.61	10.61	25.79	31.31	480.61	83.15	23.70	237.39	
2034	0.00	0.00	0.00	0.00	0.00	0.00	10.68	10.68	25.84	30.19	464.42	81.58	24.24	218.32	
2035	0.00	0.00	0.00	0.00	0.00	0.00	10.76	10.76	25.90	28.67	405.90	80.14	24.55	181.10	
2036	0.00	0.00	0.00	0.00	0.00	0.00	10.84	10.84	25.95	28.05	378.72	78.66	24.77	150.38	
2037	0.00	0.00	0.00	0.00	0.00	0.00	6.37	6.37	25.98	27.46	358.11	77.21	25.00	131.43	
2038	0.00	0.00	77.53	0.00	0.00	0.00	1.40	78.92	26.38	26.89	335.51	75.76	25.11	107.38	
2039	0.00	0.00	105.88	0.00	9.06	0.00	1.19	116.14	26.96	29.22	317.19	74.63	23.78	82.36	
2040	0.00	0.00	16.06	0.00	0.00	0.00	1.19	17.26	27.04	29.78	306.49	73.22	33.83	58.93	
2041	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	27.05	29.26	273.84	71.80	46.28	19.89	
2042	0.00	0.00	79.09	0.00	0.00	0.00	1.19	80.28	27.45	28.75	264.77	70.42	44.29	146.82	
2043	0.00	0.00	108.02	0.00	9.06	0.00	1.19	118.27	28.04	28.27	270.40	69.82	39.37	5.25	
2044	0.00	0.00	16.39	0.00	0.00	0.00	1.19	17.58	28.13	33.51	245.10	67.84	57.94	-44.07	
2045	0.00	0.00	80.28	0.00	0.00	0.00	1.19	81.47	28.54	33.05	227.08	66.57	63.15	-71.85	
2046	0.00	0.00	109.64	0.00	71.36	0.00	1.19	182.20	29.45	32.61	225.47	66.00	65.45	-77.85	
2047	0.00	0.00	16.63	0.00	0.00	0.00	1.19	17.83	29.54	35.30	215.89	64.75	85.83	-110.20	
2048	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	29.54	34.02	185.14	62.96	100.95	-161.32	
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.99	2.45	29.54	36.51	208.83	64.57	84.07	-116.45	
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.99	3.01	29.54	33.23	208.83	64.57	84.07	-116.45	
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.99	36.61	29.54	32.86	208.83	64.57	84.07	-116.45	
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.99	49.34	29.54	32.50	208.83	64.57	84.07	-116.45	
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.99	34.60	29.54	32.16	208.83	64.57	84.07	-116.45	
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.99	41.07	29.54	31.82	208.83	64.57	84.07	-116.45	
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.99	24.52	29.54	31.49	208.83	64.57	84.07	-116.45	
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.99	1.34	29.54	46.62	208.83	64.57	84.07	-116.45	
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	29.54	30.87	208.83	64.57	84.07	-116.45	
2058	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	29.54	46.02	208.83	64.57	84.07	-116.45	
2059	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	29.54	33.17	208.83	64.57	84.07	-116.45	
2060	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	29.54	42.23	208.83	64.57	84.07	-116.45	
2061	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.79	29.54	26.78	208.83	64.57	84.07	-116.45	
2062	0.00	0.00	0.00	0.00	3.06	1.10	0.79	4.95	29.54	42.23	208.83	64.57	84.07	-116.45	
2063	0.00	0.00	0.00	0.00	0.72	0.05	0.79	1.55	29.54	26.78	208.83	64.57	84.07	-116.45	
2064	0.00	0.00	0.00	0.00	18.79	17.46	0.79	37.04	29.54	42.23	208.83	64.57	84.07	-116.45	
2065	0.00	0.00	0.00	0.00	8.63	1.98	0.79	11.39	29.54	26.78	208.83	64.57	84.07	-116.45	
2066	0.00	0.00	0.00	0.00	1.18	7.37	0.79	9.33	29.54	42.23	208.83	64.57	84.07	-116.45	
2067	0.00	0.00	0.00	0.00	11.03	63.10	0.79	74.92	29.54	26.78	208.83	64.57	84.07	-116.45	
2068	0.00	0.00	77.53	0.00	22.75	32.23	0.79	133.29	29.54	42.23	208.83	64.57	84.07	-116.45	
2069	0.00	0.00	105.88	0.00	23.12	22.86	0.58	152.45	29.54	29.66	208.83	64.57	84.07	-116.45	
2070	0.00	0.00	16.06	0.00	0.01	13.13	0.58	29.78	29.54	28.51	208.83	64.57	84.07	-116.45	
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.58	0.64	29.54	28.51	208.83	64.57	84.07	-116.45	
2072	0.00	0.00	79.09	0.00	0.00	0.00	0.58	79.67	29.54	28.51	208.83	64.57	84.07	-116.45	
2073	0.00	0.00	108.02	0.00	0.00	0.00	0.58	108.60	29.54	27.64	208.83	64.57	84.07	-116.45	
2074	0.00	0.00	16.39	0.00	9.06	0.00	0.58	26.03	29.54	26.78	208.83	64.57	84.07	-116.45	
2075	0.00	0.00	80.28	0.00	0.00	0.00	0.58	80.86	29.54	26.78	208.83	64.57	84.07	-116.45	
2076	0.00	0.00	109.64	0.00	0.00	0.00	0.58	110.23	29.54	26.78	208.83	64.57	84.07	-116.45	
2077	0.00	0.00	16.63	0.00	0.00	0.00	0.58	17.21	29.54	26.78	208.83	64.57	84.07	-116.45	
2078	0.00	0.00	0.00	0.00	9.06	0.00	0.58	9.64	29.54	26.78	208.83	64.57	84.07	-116.45	
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	29.54	29.66	208.83	64.57	84.07	-116.45	
2080	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	29.54	26.78	208.83	64.57	84.07	-116.45	
2081	0.00	0.00	0.00	0.00	53.52	0.00	0.58	54.10	29.54	26.78	208.83	64.57	84.07	-116.45	
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	29.54	26.78	208.83	64.57	84.07	-116.45	
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	29.54	26.78	208.83	64.57	84.07	-116.45	
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.58	2.04	29.54	26.78	208.83	64.57	84.07	-116.45	
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.58	2.60	29.54	26.78	208.83	64.57	84.07	-116.45	
2086	0.00	0.00	0.00	0.00	15.00	20.62	0.58	36.20	29.54	26.78	208.83	64.57	84.07	-116.45	
2087	0.00	0.00	0.00	0.00	18.71	29.64	0.58	48.93	29.54	26.78	208.83	64.57	84.07	-116.45	
2088	0.00	0.00	0.00	0.00	19.60	14.01	0.58	34.19	29.54	26.78	208.83	64.57	84.07	-116.45	
2089	0.00	0.00	0.00	0.00	16.72	23.36	0.58	40.66	29.54	29.66	208.83	64.57	84.07	-116.45	
2090	0.00	0.00	0.00	0.00	0.00	23.53	0.58	24.11	29.54	29.66	208.83	64.57	84.07	-116.45	
2091	0.00	0.00	0.00	0.00	0.00	0.35	0.58	0.93	29.54	29.66	208.83	64.57	84.07	-116.45	
Salvage Value	0.00	0.													