

Economic Summary Tables  
Flat load growth beyond 2022/23  
In support of Manitoba Hydro Exhibit 156



Plan 0-2: No Load Growth/K19/750MW  
 DSM Base

TABLE 002  
 ECONOMIC SUMMARY - MANITOBA HYDRO VIEW  
 HYPOTHETICAL FLAT MANITOBA LOAD GROWTH BEYOND 2022/23  
 REQUEST OF MANITOBA HYDRO REGARDING THE EVIDENCE OF MR. THOMSON  
 ADDITIONAL SURPLUS DEPENDABLE ENERGY PRICED AT LONG TERM DEPENDABLE PRICE FORECAST

Energy Price  
 Discount Rate  
 Capital Cost  
 Reference  
 5.40%  
 2014 Ref

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	381.63	0.00	0.00	11.53	20.31	0.00	413.47	2.07	0.00	0.00	0.00	0.00	0.00	0.00
2015	0.00	658.21	0.00	0.00	9.05	6.51	0.00	673.77	5.44	0.00	333.20	101.69	23.87	101.42	106.23
2016	0.00	727.13	0.00	0.00	16.18	29.23	0.00	772.54	9.30	0.00	361.97	99.77	25.14	107.91	129.15
2017	0.00	891.26	0.00	0.00	29.74	92.73	0.00	1013.72	14.37	0.00	396.35	97.84	26.35	113.22	158.93
2018	0.00	510.88	0.00	0.00	42.34	112.46	0.00	665.67	17.70	0.00	395.29	95.27	28.20	118.05	153.77
2019	0.00	258.44	0.00	0.00	39.84	69.79	0.00	368.07	19.54	16.55	420.65	95.12	27.01	118.03	180.50
2020	0.00	136.74	0.00	0.00	0.01	217.43	0.00	354.18	21.31	50.87	659.78	102.81	20.75	126.62	409.60
2021	0.00	59.23	0.00	0.00	0.00	0.40	0.00	59.63	21.61	49.09	737.22	103.32	21.47	136.22	476.21
2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	47.80	739.82	101.78	22.29	139.98	475.77
2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	45.85	768.83	99.88	24.23	142.58	502.15
2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	44.05	772.93	98.02	24.25	142.46	508.20
2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	42.33	745.57	96.19	24.29	142.37	482.73
2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	40.48	745.91	94.40	24.31	141.38	485.82
2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	39.12	749.07	92.64	24.33	141.20	490.90
2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	37.83	752.57	90.91	24.35	140.76	496.54
2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	39.20	756.06	89.21	24.38	140.37	502.10
2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	34.00	759.67	87.55	24.41	139.97	507.74
2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	32.76	764.27	85.92	24.45	139.60	514.30
2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	31.56	768.63	84.32	24.48	139.23	520.59
2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	30.40	772.38	82.74	24.52	138.87	526.25
2034	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	29.28	776.86	81.20	24.55	138.53	532.57
2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	27.76	791.65	79.69	24.58	137.60	549.77
2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	27.14	816.59	78.20	24.61	137.41	576.37
2037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	26.55	826.30	76.74	24.64	137.86	587.06
2038	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	25.98	831.63	75.31	24.66	137.76	593.89
2039	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	28.31	836.48	73.91	24.69	144.93	592.96
2040	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	24.89	840.84	72.53	24.71	144.97	598.64
2041	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	24.37	844.71	71.18	24.72	145.00	603.80
2042	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	23.87	848.05	69.85	24.74	145.04	608.42
2043	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	23.38	850.86	68.55	24.75	145.06	612.49
2044	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	24.64	853.12	67.27	24.76	145.08	616.00
2045	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	24.18	854.82	66.02	24.77	145.10	618.94
2046	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	23.74	855.96	64.78	24.77	145.11	621.29
2047	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	22.44	856.54	63.58	24.78	145.12	623.06
2048	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	21.16	856.53	62.39	24.78	145.12	624.24
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.00	1.46	21.61	23.65	856.34	63.58	24.78	145.11	622.87
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.00	2.02	21.61	20.37	856.34	63.58	24.78	145.11	622.87
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.00	35.62	21.61	20.00	856.34	63.58	24.78	145.11	622.87
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.00	48.34	21.61	19.63	856.34	63.58	24.78	145.11	622.87
2053	0.00	0.00	0.00	0.00	19.59	14.01	0.00	33.61	21.61	19.28	856.34	63.58	24.78	145.11	622.87
2054	0.00	0.00	0.00	0.00	16.72	23.35	0.00	40.07	21.61	18.94	856.34	63.58	24.78	145.11	622.87
2055	0.00	0.00	0.00	0.00	0.00	23.52	0.00	23.52	21.61	18.61	856.34	63.58	24.78	145.11	622.87
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.35	21.61	33.74	856.34	63.58	24.78	145.11	622.87
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	17.99	856.34	63.58	24.78	145.11	622.87
2058	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	33.14	856.34	63.58	24.78	145.11	622.87
2059	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	20.29	856.34	63.58	24.78	145.11	622.87
2060	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	29.34	856.34	63.58	24.78	145.11	622.87
2061	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2062	0.00	0.00	0.00	0.00	3.06	1.10	0.00	4.16	21.61	29.34	856.34	63.58	24.78	145.11	622.87
2063	0.00	0.00	0.00	0.00	0.72	0.05	0.00	0.77	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2064	0.00	0.00	0.00	0.00	18.79	17.45	0.00	36.25	21.61	29.34	856.34	63.58	24.78	145.11	622.87
2065	0.00	0.00	0.00	0.00	8.63	1.98	0.00	10.60	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2066	0.00	0.00	0.00	0.00	1.18	7.37	0.00	8.55	21.61	29.34	856.34	63.58	24.78	145.11	622.87
2067	0.00	0.00	0.00	0.00	11.03	63.09	0.00	74.12	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2068	0.00	0.00	0.00	0.00	22.75	32.22	0.00	54.97	21.61	29.34	856.34	63.58	24.78	145.11	622.87
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.00	45.98	21.61	16.78	856.34	63.58	24.78	145.11	622.87
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.00	13.14	21.61	15.63	856.34	63.58	24.78	145.11	622.87
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	21.61	15.63	856.34	63.58	24.78	145.11	622.87
2072	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	15.63	856.34	63.58	24.78	145.11	622.87
2073	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	14.76	856.34	63.58	24.78	145.11	622.87
2074	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2075	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2076	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2077	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2078	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	16.78	856.34	63.58	24.78	145.11	622.87
2080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2081	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.00	1.46	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.00	2.02	21.61	13.90	856.34	63.58	24.78	145.11	622.87
2086	0.00	0.00	0.00	0.00	15.00										



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TABLE 004  
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 HYPOTHETICAL FLAT MANITOBA LOAD GROWTH BEYOND 2022/23  
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Energy Price Reference  
 Discount Rate 4.65%  
 Capital Cost 2014 Ref

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	0.00	413.53	2.07	0.00	0.00	0.00	0.00	0.00	0.00
2015	0.00	658.31	0.00	0.00	9.06	6.51	0.00	673.87	5.44	0.00	333.25	101.70	23.87	101.44	106.24
2016	0.00	727.23	0.00	0.00	16.18	29.23	0.00	772.64	9.30	0.00	362.02	99.78	25.14	107.92	129.17
2017	0.00	891.38	0.00	0.00	29.74	92.74	0.00	1013.87	14.37	0.00	396.41	97.86	26.36	113.24	158.96
2018	0.00	510.95	0.00	0.00	42.34	112.47	0.00	665.77	17.70	0.00	395.35	95.28	28.20	118.06	153.80
2019	0.00	258.48	0.00	0.00	39.84	69.80	0.00	368.12	19.54	16.56	420.71	95.13	27.01	118.04	180.52
2020	0.00	136.75	0.00	0.00	0.01	217.46	0.00	354.22	21.31	50.88	659.87	102.82	20.75	126.64	409.66
2021	0.00	59.24	0.00	0.00	0.00	0.40	0.00	59.64	21.61	49.10	737.32	103.33	21.47	136.24	476.28
2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	47.81	739.93	101.79	22.29	140.00	475.84
2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	45.86	768.94	99.89	24.23	142.60	502.22
2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	44.06	773.03	98.03	24.25	142.48	508.27
2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	42.33	745.68	96.20	24.29	142.39	482.80
2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	40.49	746.02	94.41	24.32	141.40	485.89
2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	39.13	749.17	92.65	24.34	141.22	490.97
2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	37.84	752.68	90.92	24.36	140.78	496.61
2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	39.20	756.17	89.23	24.39	140.39	502.17
2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	34.00	759.77	87.56	24.41	139.99	507.81
2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	32.76	764.38	85.93	24.45	139.62	514.38
2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	31.57	768.73	84.33	24.49	139.25	520.67
2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	30.41	772.49	82.76	24.52	138.89	526.33
2034	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	29.29	776.96	81.21	24.56	138.55	532.64
2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	27.76	791.76	79.70	24.59	137.62	549.85
2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	27.14	816.70	78.21	24.62	137.42	576.45
2037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	26.55	826.42	76.75	24.64	137.88	587.14
2038	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	25.98	831.74	75.32	24.67	137.78	593.97
2039	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	28.32	836.60	73.92	24.69	144.95	593.04
2040	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	24.89	840.96	72.54	24.71	144.99	598.72
2041	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	24.37	844.82	71.19	24.73	145.03	603.88
2042	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	23.87	848.17	69.86	24.74	145.06	608.51
2043	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	23.38	850.98	68.56	24.76	145.08	612.58
2044	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	24.64	853.24	67.28	24.77	145.10	616.09
2045	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	24.19	854.94	66.03	24.77	145.12	619.02
2046	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	23.74	856.08	64.79	24.78	145.13	621.38
2047	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	22.45	856.66	63.59	24.78	145.14	623.15
2048	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	21.17	856.65	62.40	24.78	145.14	624.33
2049	0.00	0.00	0.00	0.00	1.09	0.37	0.00	1.46	21.61	23.65	856.46	63.59	24.78	145.13	622.95
2050	0.00	0.00	0.00	0.00	0.43	1.59	0.00	2.02	21.61	20.37	856.46	63.59	24.78	145.13	622.95
2051	0.00	0.00	0.00	0.00	15.00	20.62	0.00	35.62	21.61	20.00	856.46	63.59	24.78	145.13	622.95
2052	0.00	0.00	0.00	0.00	18.71	29.64	0.00	48.35	21.61	19.63	856.46	63.59	24.78	145.13	622.95
2053	0.00	0.00	0.00	0.00	19.60	14.01	0.00	33.61	21.61	19.28	856.46	63.59	24.78	145.13	622.95
2054	0.00	0.00	0.00	0.00	16.72	23.36	0.00	40.08	21.61	18.94	856.46	63.59	24.78	145.13	622.95
2055	0.00	0.00	0.00	0.00	0.00	23.53	0.00	23.53	21.61	18.61	856.46	63.59	24.78	145.13	622.95
2056	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.35	21.61	33.74	856.46	63.59	24.78	145.13	622.95
2057	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	17.99	856.46	63.59	24.78	145.13	622.95
2058	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	33.14	856.46	63.59	24.78	145.13	622.95
2059	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	20.29	856.46	63.59	24.78	145.13	622.95
2060	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	29.35	856.46	63.59	24.78	145.13	622.95
2061	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2062	0.00	0.00	0.00	0.00	3.06	1.10	0.00	4.16	21.61	29.35	856.46	63.59	24.78	145.13	622.95
2063	0.00	0.00	0.00	0.00	0.72	0.05	0.00	0.77	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2064	0.00	0.00	0.00	0.00	18.79	17.46	0.00	36.25	21.61	29.35	856.46	63.59	24.78	145.13	622.95
2065	0.00	0.00	0.00	0.00	8.63	1.98	0.00	10.61	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2066	0.00	0.00	0.00	0.00	1.18	7.37	0.00	8.55	21.61	29.35	856.46	63.59	24.78	145.13	622.95
2067	0.00	0.00	0.00	0.00	11.03	63.10	0.00	74.13	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2068	0.00	0.00	0.00	0.00	22.75	32.23	0.00	54.98	21.61	29.35	856.46	63.59	24.78	145.13	622.95
2069	0.00	0.00	0.00	0.00	23.12	22.86	0.00	45.98	21.61	16.79	856.46	63.59	24.78	145.13	622.95
2070	0.00	0.00	0.00	0.00	0.01	13.13	0.00	13.14	21.61	15.63	856.46	63.59	24.78	145.13	622.95
2071	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	21.61	15.63	856.46	63.59	24.78	145.13	622.95
2072	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	15.63	856.46	63.59	24.78	145.13	622.95
2073	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	14.76	856.46	63.59	24.78	145.13	622.95
2074	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2075	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2076	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2077	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2078	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	16.79	856.46	63.59	24.78	145.13	622.95
2080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2081	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2082	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2083	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2084	0.00	0.00	0.00	0.00	1.09	0.37	0.00	1.46	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2085	0.00	0.00	0.00	0.00	0.43	1.59	0.00	2.02	21.61	13.90	856.46	63.59	24.78	145.13	622.95
2086	0.00	0.00	0.00	0.00	15.00	20.62									