\$ millions except for per-unit

Reference	Value
N/A (Note 1)	0%
Exhibit 8 (Note 2)	
	2%
Note 3	4,873.0
Note 3	4,506.0
Note 4	27.75%
Noto F	
MHI-Nalcor-58(h)	\$75.82
Jan 1, 2010 to Jul 1, 2017	7.5
	\$87.96
Note 6	0.988
Note 7; Note 8	\$ 89.03
Exhibit 56	\$5.0
	2008
	5%
	01-Oct-11
	75%
, 	
	\$2.50
Note 12	2008
	\$2.99
Note 13	
	\$5.00
	2006
	\$6.22
	250
Note 14	
	1.6% 37.4%
	Note 3 Note 3 Note 4 Note 5 Exhibit 6b MHI-Nalcor-58(h) Jan 1, 2010 to Jul 1, 2017

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\$ millions except for per-unit

Assumptions		Full Commer		2010	2020	2024	2022	2022	2024	2025	2026	2027	2020	2020	2020	2024
Cap Ex / Op Ex:	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Capital expenditures	147.0															
Capital sensitivity	147.0															
Capital expenditures - current analysis	147.0															
O&M expenses		13.3	13.6	14.0	14.3	14.7	15.0	15.5	16.1	16.5	16.9	17.2	17.7	18.1	18.6	19.0
СРІ																
Production:																
Muskrat Falls maximum energy, GWh																
Average																
Firm																
Pct of firm energy in year prior to Full Power																
Load (GWh):																
Energy required from Labrador		1,907	1,976	2,055	2,125	2,226	2,328	2,503	2,576	2,637	2,724	2,817	2,957	3,184	3,266	
Energy required from Muskrat Falls (maximum of average production)	1,250	1,907	1,976	2,055	2,125	2,226	2,328	2,503	2,576	2,637	2,724	2,817	2,957	3,184	3,266	3,348
Revenue Rate:																
Supply price, January 1, 2010\$/MWh																
Escalation to Full Commercial Power (years)																
July 1, 2017 rate (\$/MWh)																
Credit for power before full commercial power																
Cost-out price for Muskrat falls																
Innu Payments:																
Minimum payment, \$ M:																
Stated in (year)																
Payment as pct of After Debt Net Cash Flow																
Payment start date (project sanction date)																
First year pct (Project year basis 1-Oct-2011 to 30-Jun-2012)																

Water Power Lease:

Water power lease (\$/MWh) Cost Year Water power cost, Full Power (\$/MWh)

Water Management:

Water management cost (\$/MWh) Cost Year Water management cost, Full Power (\$/MWh) Water management energy (GWh)

Cash / Working Capital:

Working capital - average requirement as % of change in revenues Cap ex defrayed by revenues before Full Commercial Power (%)

\$ millions except for per-unit

Assumptions

Assumptions																
	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047
Cap Ex / Op Ex:																
Capital expenditures																
Capital sensitivity																
Capital expenditures - current analysis																
O&M expenses	19.5	20.0	20.5	21.0	21.5	22.1	22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.9	27.6	28.3
CPI																
Production:																
Muskrat Falls maximum energy, GWh																
Average																
Firm																
Pct of firm energy in year prior to Full Power																
Load (GWh):																
Energy required from Labrador	3,430	3,511	3,593		3,732	3,666	3,735	3,808	3,874	3,939	4,004	4,069	4,134	4,199	4,264	4,328
Energy required from Muskrat Falls (maximum of average production)	3,430	3,511	3,593	3,667	3,732	3,666	3,735	3,808	3,874	3,939	4,004	4,069	4,134	4,199	4,264	4,328
Povenue Poter																
Revenue Rate:																
Supply price, January 1, 2010\$/MWh Escalation to Full Commercial Power (years)																
July 1, 2017 rate (\$/MWh)																
Credit for power before full commercial power																
Cost-out price for Muskrat falls																
Innu Payments:																
Minimum payment, \$ M:																
Stated in (year)																
Payment as pct of After Debt Net Cash Flow																
Payment start date (project sanction date)																
First year pct (Project year basis 1-Oct-2011 to 30-Jun-2012)																
Water Power Lease:																
Water power lease (\$/MWh)																

Water power lease (\$/MWh) Cost Year Water power cost, Full Power (\$/MWh)

Water Management:

Water management cost (\$/MWh) Cost Year Water management cost, Full Power (\$/MWh) Water management energy (GWh)

Cash / Working Capital:

Working capital - average requirement as % of change in revenues Cap ex defrayed by revenues before Full Commercial Power (%)

\$ millions except for per-unit

Assumptions

Assumptions																
	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063
Cap Ex / Op Ex:																
Capital expenditures																
Capital sensitivity																
Capital expenditures - current analysis																
O&M expenses	29.0	29.7	30.4	31.2	32.0	32.8	33.6	34.4	35.3	36.2	37.1	38.0	39.0	39.9	40.9	42.0
СРІ																
Production:																
Muskrat Falls maximum energy, GWh																
Average																
Firm																
Pct of firm energy in year prior to Full Power																
Load (GWh):																
Energy required from Labrador	4,393	4,458	4,515	4,571	4,628	4,684	4,737	4,789	4,842	4,894	4,946	4,998	5,051	5,103	5,155	5,207
Energy required from Muskrat Falls (maximum of average production)	4,393	4,458	4,515	4,571	4,628	4,684	4,737	4,789	4,842	4,873	4,873	4,873	4,873	4,873	4,873	4,873
Revenue Rate:																
Supply price, January 1, 2010\$/MWh																
Escalation to Full Commercial Power (years)																
July 1, 2017 rate (\$/MWh)																
Credit for power before full commercial power																
Cost-out price for Muskrat falls																
Innu Payments:																
Minimum payment, \$ M:																
Stated in (year)																
Payment as pct of After Debt Net Cash Flow																
Payment start date (project sanction date)																
First year pct (Project year basis 1-Oct-2011 to 30-Jun-2012)																
Water Power Lease:																

Water power lease (\$/MWh) Cost Year Water power cost, Full Power (\$/MWh)

Water Management:

Water management cost (\$/MWh) Cost Year Water management cost, Full Power (\$/MWh) Water management energy (GWh)

Cash / Working Capital:

Working capital - average requirement as % of change in revenues Cap ex defrayed by revenues before Full Commercial Power (%)

\$ millions except for per-unit

Assumptions

Assumptions				
	2064	2065	2066	2067
Cap Ex / Op Ex:				
Capital expenditures				
Capital sensitivity				
Capital expenditures - current analysis				
O&M expenses	43.0	44.1	45.1	46.0
СРІ				
Production:				
Muskrat Falls maximum energy, GWh				
Average				
Firm				
Pct of firm energy in year prior to Full Power				
Load (GWh):				
Energy required from Labrador	5,259	5,306	5,349	5,389
Energy required from Muskrat Falls (maximum of average production)	4,873	4,873	4,873	4,873
Revenue Rate:				
Supply price, January 1, 2010\$/MWh				
Escalation to Full Commercial Power (years)				
July 1, 2017 rate (\$/MWh)				
Credit for power before full commercial power				
Cost-out price for Muskrat falls				
Innu Payments:				
Minimum payment, \$ M:				
Stated in (year)				
Payment as pct of After Debt Net Cash Flow				

Payment start date (project sanction date) First year pct (Project year basis 1-Oct-2011 to 30-Jun-2012)

Water Power Lease:

Water power lease (\$/MWh) Cost Year Water power cost, Full Power (\$/MWh)

Water Management:

Water management cost (\$/MWh) Cost Year Water management cost, Full Power (\$/MWh) Water management energy (GWh)

Cash / Working Capital:

Working capital - average requirement as % of change in revenues Cap ex defrayed by revenues before Full Commercial Power (%) Muskrat Falls Project CE-53 Rev. 2 (Public) Page 5 of 16

\$ millions except for per-unit

Notes:

- 1. This input for capital sensitivity is optional and was used to verify results from this model with PWC's full project model.
- 2. PWC modeling uses a July 1 to June 30 project year. For modeling purposes, annual operating costs in Exhibit 8 are adjusted as (year_t + year_{t+1}) / 2.
- 3. The firm and average values of 4,873 and 4,506 GWh were used throughout the DG2 screening process based on past hydrology studies. Hydrology studies undertaken in 2011 (see CE-27 Rev. 1) confirmed the adequacy of these estimates.
- 4. As per internal analysis by LCP.
- 5. In the DG2 screening level analysis, annual calendar year Island volume was used to calculate project-year revenues.
- 6. Muskrat Falls produces and sells power in the year preceding full power and commencement of financial returns. These revenues are used to defray construction costs, thereby reducing the required revenue. The 98.80% was estimated over previous Muskrat analysis.
- 7. Muskrat Falls cost out price recovers all costs spread over average power starting at Full Commercial Power.
- 8. Cost out price in run-up year to Full Power is equal to price in year beginning Full Power.
- 9. Historical model assumption used prior to formal agreements.

- 12. Historical model assumption used prior to formal agreements. For the final executed water lease, the royalty payable is \$2.50 /MWh in 2009 with annual CPI escalation commencing in January 2010, based on the previous 12 months ending September 30.
- 13. Historical model assumptions based on working provisional quantities and expense for Gull Island.
- 14. Assumptions for cash and working capital were derived from PWC's full project model. These assumptions enable the simplification of this model.

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	Project year beginning July 1												
Development Phase	Prior	2010	2011	2012	2013	2014	2015	2016					
Capital expenditure	(33.8)	(60.0)	(268.0)	(638.4)	(790.2)	(508.8)	(423.0)	(147.0)					
Revenue before Full Power													
of which: used to defray construction expenditures													
carried forward to PY 2017													
Working capital													
Water power rental													
Innu payments													
Equity requirement													
Operational Phase													
Island Load, GWh													
Supply price, \$/MWh													
Revenues, \$millions													
Carry-over cash from prior year													
O&M													
Water power rental													
Water management													
Working capital													

Subtotal: Cash flow before Innu

Innu payments Cash flow after Innu payments

Cash Flow to Equity	IRR	(33.8) 8.4%	(60.0)	(272.0)	(643.9)	(795.7)	(514.4)	(428.7)	(103.3)	
Per CE-53	IRR	(33.8) 8.4%	(60.0)	(272.0)	(643.9)	(795.7)	(514.4)	(428.7)	(104.4)	
Difference		-	-	-	-	-	-	-	(1.1)	

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	Full Comme	rcial Power											
Development Phase	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capital expenditure			•	•		•			•		•		
Revenue before Full Power	_												
of which: used to defray construction expenditures		Note: in the	e year prior	to Full Com	mercial Pov	ver, constru	ction expen	ditures					
carried forward to PY 2017				half of the	•		•		es are most	y in the			
Working capital				e are minim				-					
Water power rental			•	eet construe	ction expen	ditures, wh	ile revenues	give rise to	cash balan	ces which a	re carried		
Innu payments	L	forward to	the operation	onal phase.									
Equity requirement													
Operational Phase													
Island Load, GWh	1,907	1,976	2,055	2,125	2,226	2,328	2,503	2,576	2,637	2,724	2,817	2,957	3,184
Supply price, \$/MWh	\$89.03	\$90.81	\$92.63	\$94.48	\$96.37	\$98.29	\$100.26	\$102.27	\$104.31	\$106.40	\$108.53	\$110.70	\$112.91
Revenues, \$millions	169.75	179.47	190.39	200.78	214.51	228.86	250.99	263.43	275.08	289.79	305.72	327.35	359.51
Carry-over cash from prior year	105.75	175.47	190.99	200.70	214.91	220.00	230.33	203.43	275.00	205.75	505.72	527.55	555.51
O&M													
Water power rental													
Water management													
Working capital													
Subtotal: Cash flow before Innu													
Innu payments													
Cash flow after Innu payments													
<u>Cash Flow to Equity</u>	198.6	152.0	162.0	171.6	189.1	204.2	224.9	236.5	247.4	261.1	275.9	295.2	324.1
Per CE-53	200.0	152.0	162.1	171.6	189.1	204.2	224.9	236.5	247.4	261.1	275.7	295.0	323.9
Difference	1.4	0.0	0.0	0.0	0.0	0.0	0.0	(0.0)	0.0	0.0	(0.2)	(0.2)	(0.2)

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Development Phase	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
Capital expenditure													
Revenue before Full Power													
of which: used to defray construction expenditures carried forward to PY 2017													
Working capital													
Water power rental													
Innu payments													
Equity requirement													
Operational Phase													
Island Load, GWh	3,266	3,348	3,430	3,511	3,593	3,667	3,732	3,666	3,735	3,808	3,874	3,939	4,004
Supply price, \$/MWh	\$115.17	\$117.47	\$119.82	\$122.22	\$124.66	\$127.15	\$129.70	\$132.29	\$134.94	\$137.64	\$140.39	\$143.20	\$146.06
Revenues, \$millions	376.12	393.28	410.94	429.15	447.93	466.24	483.98	484.93	504.02	524.18	543.85	564.02	584.80
Carry-over cash from prior year													
0&M													
Water power rental													
Water management													
Working capital													
Subtotal: Cash flow before Innu													
Innu payments													
Cash flow after Innu payments													
Cash Flow to Equity	339.1	354.4	370.1	386.3	403.0	419.3	435.1	435.7	452.3	470.3	487.7	505.6	524.1
	228.0	254.2	260.0	296 1	402.9	410.2	424.0	42E E	452.1	470 1	407 F		F 2 2 0
Per CE-53	338.9	354.2	369.9	386.1	402.8	419.2	434.9	435.5	452.1	470.1	487.5	505.4	523.9
Difference	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)

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Development Phase	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
Capital expenditure													
Revenue before Full Power													
of which: used to defray construction expenditures carried forward to PY 2017													
Working capital													
Water power rental													
Innu payments													
Equity requirement													
Operational Phase													
Island Load, GWh	4,069	4,134	4,199	4,264	4,328	4,393	4,458	4,515	4,571	4,628	4,684	4,737	4,789
Supply price, \$/MWh	\$148.98	\$151.96	\$155.00	\$158.10	\$161.26	\$164.49	\$167.78	\$171.13	\$174.56	\$178.05	\$181.61	\$185.24	\$188.94
Revenues, \$millions	606.16	628.20	650.82	674.12	697.98	722.62	747.96	772.62	797.94	823.95	850.69	877.42	904.88
Carry-over cash from prior year													
O&M													
Water power rental													
Water management													
Working capital													
Subtotal: Cash flow before Innu													
Innu payments													
Cash flow after Innu payments													
Cash Flow to Equity	543.0	562.6	582.7	603.4	610.9	632.8	655.3	677.2	699.7	722.8	746.5	770.2	794.5
Per CE-53	542.9	562.4	582.5	603.2	611.0	632.8	655.4	677.3	699.8	722.7	746.5	770.2	794.6
Difference	(0.1)	(0.2)	(0.2)	(0.2)	0.1	(0.0)	0.0	0.0	0.1	(0.0)	0.0	0.0	0.1

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			2050	2050	2000	2001				2007	2000	2007
Development Phase	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Capital expenditure Revenue before Full Power												
of which: used to defray construction expenditures												
carried forward to PY 2017												
Working capital												
Water power rental												
Innu payments												
Equity requirement												
Operational Phase												
Island Load, GWh	4,842	4,873	4,873	4,873	4,873	4,873	4,873	4,873	4,873	4,873	4,873	4,873
Supply price, \$/MWh	\$192.72	\$196.58	\$200.51	\$204.52	, \$208.61	, \$212.78	, \$217.04	, \$221.38	, \$225.81	\$230.32	, \$234.93	, \$239.63
Revenues, \$millions	933.11	957.92	977.08	996.62	1,016.56	1,036.89	1,057.63	1,078.78	1,100.35	1,122.36	1,144.81	1,167.70
Carry-over cash from prior year												
O&M												
Water power rental												
Water management												
Working capital												
Subtotal: Cash flow before Innu												
Innu payments												
Cash flow after Innu payments												
Cash Flow to Equity	819.5	841.5	858.2	875.2	892.5	910.2	928.2	946.6	965.3	984.4	1,004.0	1,024.1
Per CE-53	819.5	841.6	858.3	875.4	892.6	910.3	928.3	946.8	965.3	984.5	1,004.1	1,024.3
Difference	(0.0)	0.1	0.1	0.2	0.0	0.1	0.1	0.2	0.0	0.1	0.1	0.2
Directence	(0.0)	0.1	0.1	0.2	0.0	0.1	0.1	0.2	0.0	0.1	0.1	0.2

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\$ millions except for per-unit

Note original screening models were based on semi-annual calculations; this summary shows annual calculations

Innu	Project year beginning July 1								
	Prior	2010	2011	2012	2013	2014	2015	2016	

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Full Commercial Power

2017	2018	2019

\$ millions except for per-unit

Innu

2020	2021	2022	2023	2024	2025	2026	2027

2028	2029	2030	2031

\$ millions except for per-unit

Innu

2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044

\$ millions except for per-unit

Innu

2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057

\$ millions except for per-unit

Innu

2058	2059	2060	2061	2062	2063	2064	2065

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