

Update to Manitoba Hydro Exhibit 104-16, Page 2

Plan 4 K19/Gas40/250MW (Hypothetical) with Level 2 DSM is added to the table which shows the incremental NPV relative to All Gas with Base DSM.

Note: Plan 4 is considered hypothetical from a business perspective as a 250 MW interconnection would require renegotiation of a contract with Minnesota Power which would not be expected to result in the same level of benefits given that the entire economic analysis is now in the public forum. MP has taken the position in its Certificate of Need filing on October 21, 2013 (Section 7.4.2.1 page 77) that “such a project would not meet the long-term needs of the region and would not prove to be cost-effective for customers or environmentally preferable over the long-term.” The 250MW interconnection is not likely to be approved by US authorities and proceed.

INCREMENTAL ECONOMICS – TOTAL RESOURCE COST VIEW

		Total Resource Cost – Plans 1, 2, 4, 5, 6 and 14 Base, Levels 1, 2, 3 DSM Without Pipeline Load Level 2, 3 DSM With Pipeline Load Includes Total Resource Costs and no lost domestic revenue Incremental NPV (millions of 2014\$) Relative to All Gas at base DSM				
DSM Level	All Gas	Plan 2 K/Gas	Plan 4 Hypothetical K19/Gas/250MW	Plan 5 K19/Gas/750MW	Plan 6 K19/Gas/750MW	Plan 14 K19/C/750MW
Base DSM	0 Gas 2023	164 K 2023		377 Gas 2026		374 C 2026
Level 1 DSM	535 Gas 2028			874 Gas 2047		659 C 2030
Level 2 DSM	1351 Gas 2031	1313 K 2031	1955 Gas 2040	1761 Gas 2031	1737 Gas 2040	1396 C 2031
Level 3 DSM	1302 Gas 2033			1675 Gas 2033		1295 C 2033
Level 2 DSM With pipeline	644 Gas 2024			983 Gas 2030		783 C 2030
Level 3 DSM With pipeline	584 Gas 2029			944 Gas 2030		698 C 2030

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