

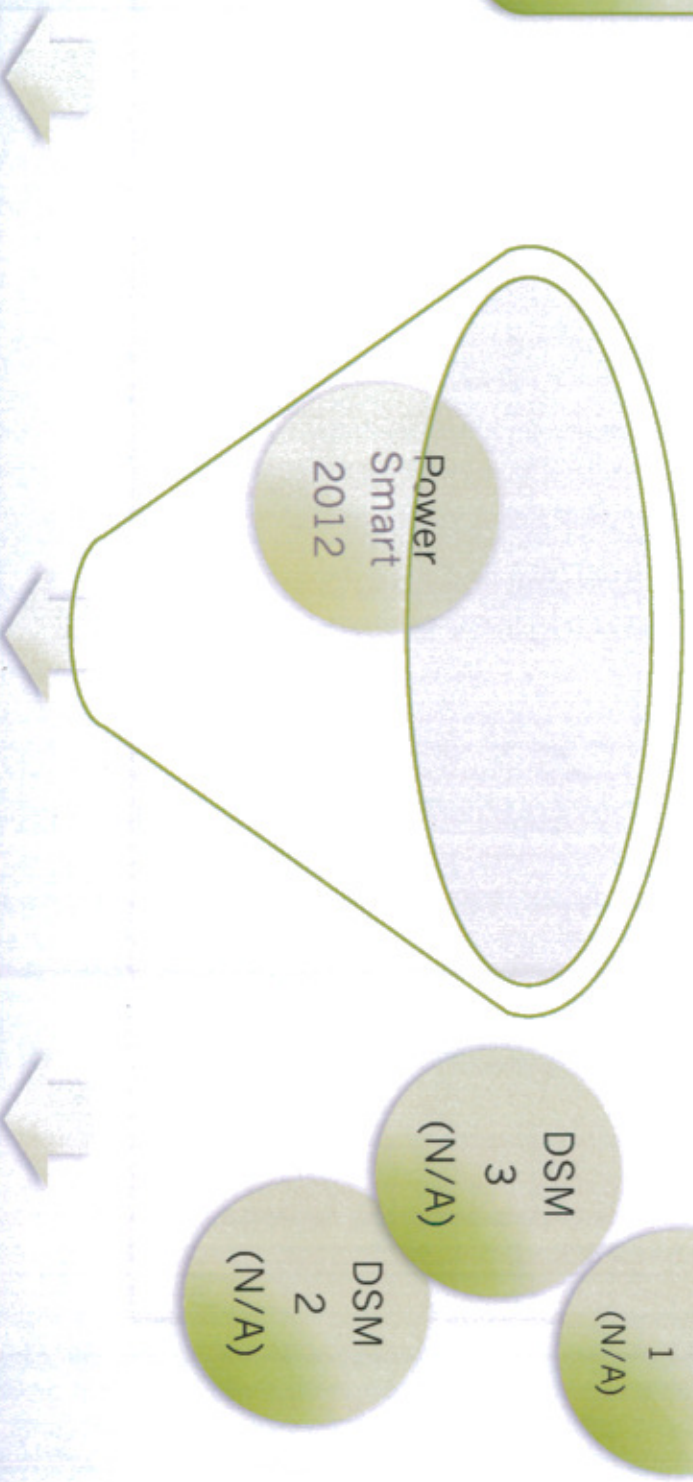
**CAC Manitoba: Book of Documents**  
**NFAT Review**

Tab	Document
1	Evaluation of Development Plans Diagrams
2	Evaluation of Development Plans Table
3	Comparison of ROE Premiums Table

TAB 1

# 2012 Base Case (2012 Assumptions)

Conawapa  
1<sup>st</sup>  
(not included)

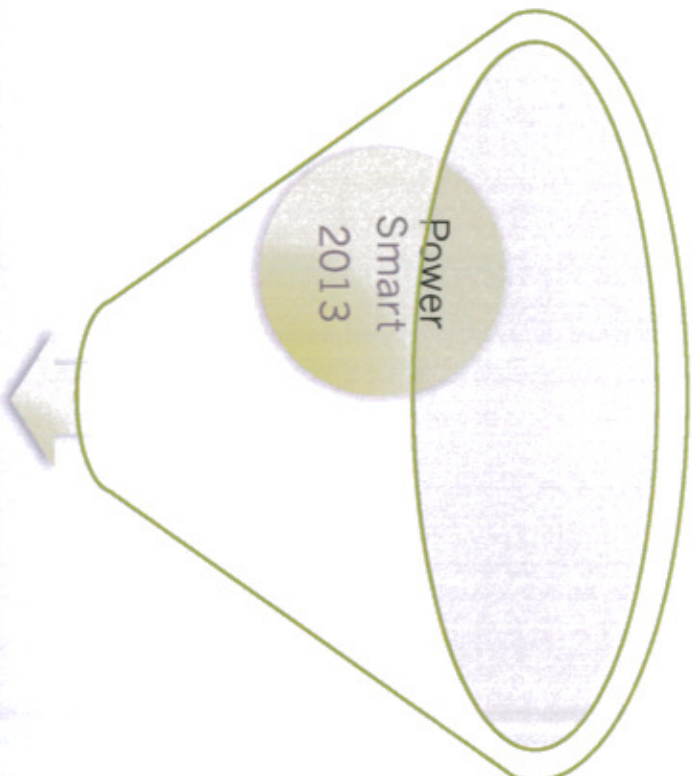


Domestic Need (no new inter)	Advance Keyask 250 MW	Advance Keyask 750 MW
Plan 1 Plan 2 Plan 3 Plan 7 Plan 8 Plan 9 Plan 10	Plan 13 Plan 4 Plan 11	Plan 5 Plan 6 Plan 12 Plan 14 Plan 15

# 2013 Update (2013 Assumptions)

Conawapa  
1<sup>st</sup>  
(not included)

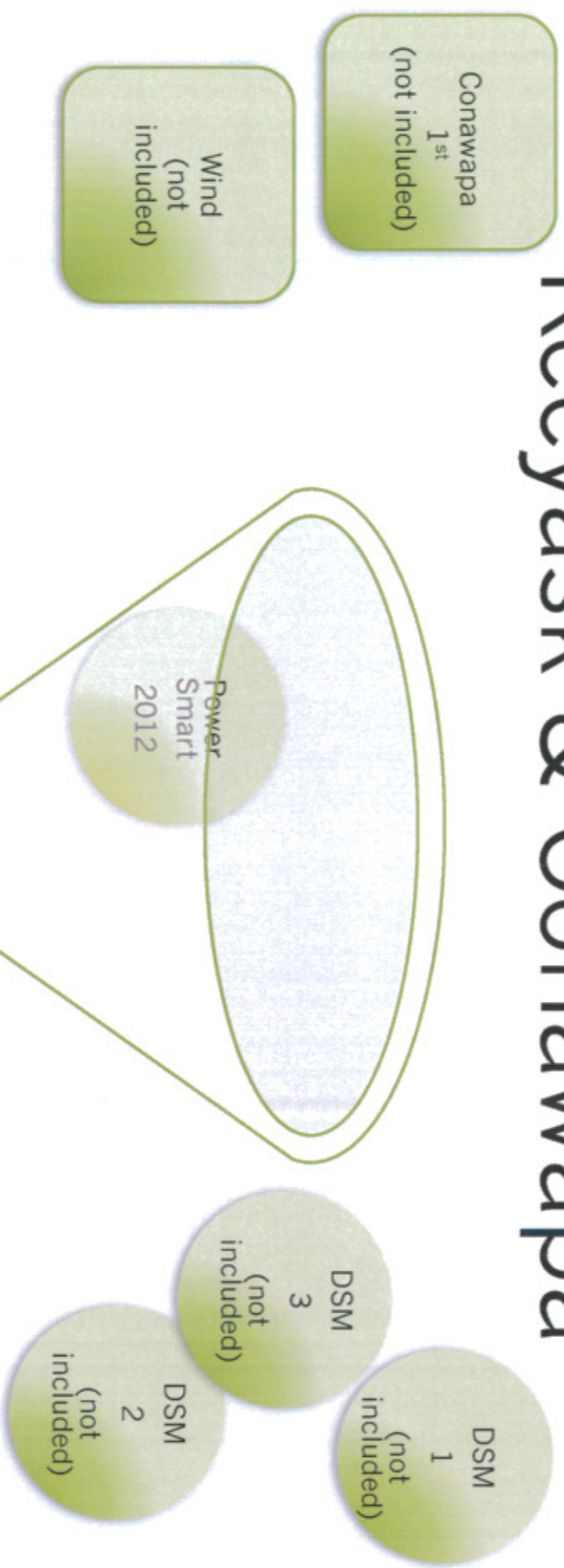
Wind  
(not  
included)



Domestic Need (no new inter)	Advance Keeyask 250 MW	Advance Keeyask 750 MW
Plan 1 Plan 2	Plan 4	Plan 12 Plan 14

MH Exhibit 95 – Slide 33

# 2014 Updated Capital Cost Keeyask & Conawappa

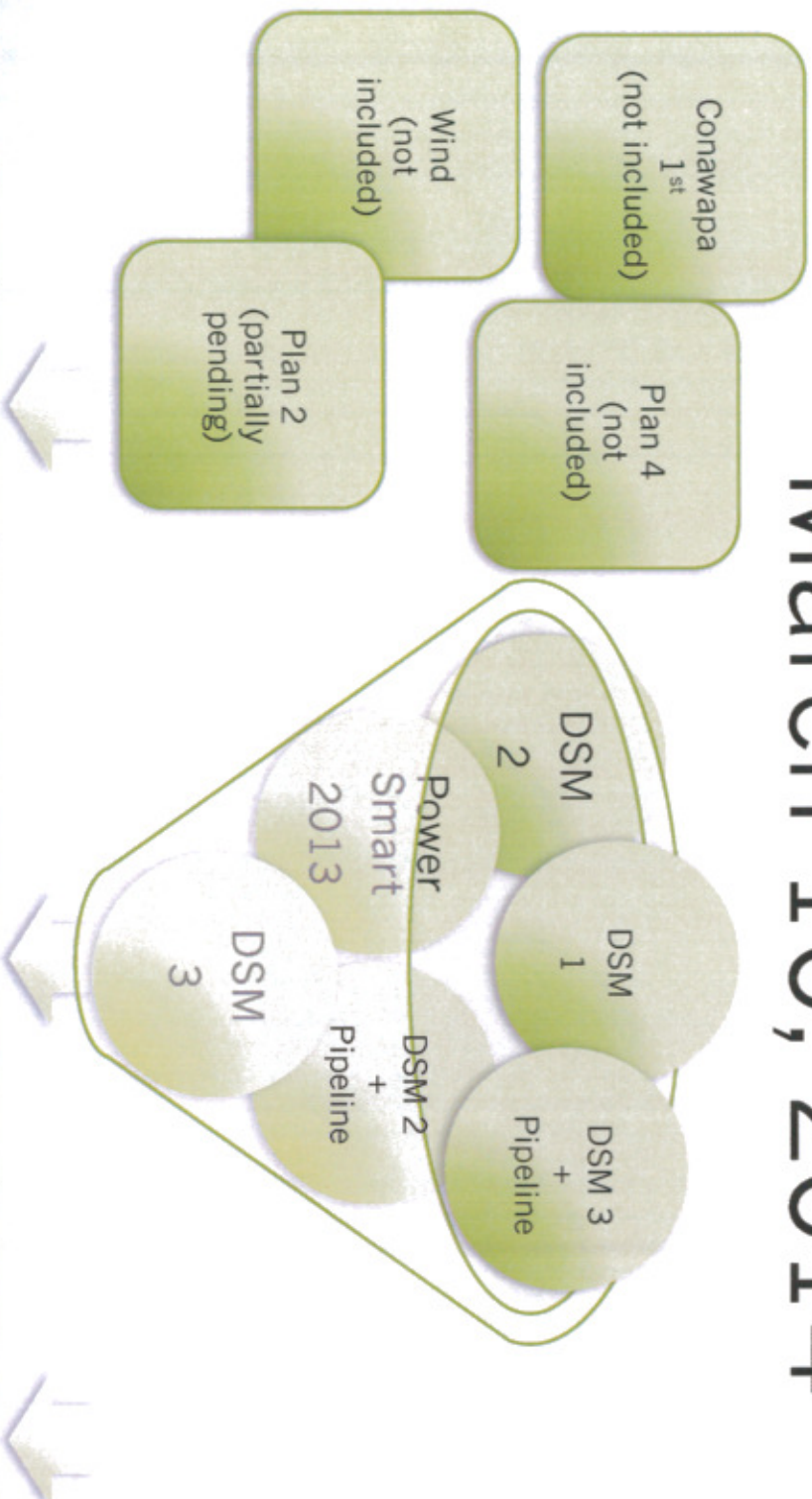


Domestic Need (no new inter)	Advance Keeyask 250 MW	Advance Keeyask 750 MW
Plan 1 Plan 2 Plan 8	Plan 4	Plan 14 Plan 5

MH Exhibit 95 – Slide 34

# Updated DSM Evaluation

## March 10, 2014



Domestic Need (no new inter)	Advance Keeyask 250 MW	Advance Keeyask 750 MW
Plan 1		Plan 1 Plan 5

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TAB 2

## Evaluation of Development Plans

	2012 Assumptions <sup>1</sup>	2013 Assumptions <sup>2</sup>	DSM Stress Test <sup>3</sup>	2014 Updated Capital <sup>4</sup> Costs	Updated DSM <sup>5</sup> Evaluation
Adv. Keeyask 250MW	13 - K19/C25/250MW 4 - K19/Gas24/250MW 11 - K19/C31/250MW	4 - K19/Gas24/250MW	4 - K19/Gas24/250MW	4 - K19/Gas24/250MW	
Adv. Keeyask 750 MW	14 - K19/C25/750MW 15 - K19/C25/750MW (WPS Sale & Inv) 5 - K19/Gas25/750MW (WPS Sale & Inv) 12 - K19/C31/750MW 6 - K19/Gas31/750MW	14 - K19/C25/750MW 12 - K19/C31/750MW	14 - K19/C25/750MW	14 - K19/C25/750MW 5 - K19/Gas25/750MW (WPS Sale & Inv)	5 - K19/Gas25/750MW (WPS Sale & Inv)
Domestic Need (No Interconnect.)	1 - All Gas 2 - K22/Gas 3 - Wind/Gas 7 - SCGT/C26 8 - CCGT/C26 9 - Wind/C26 10 - K22/C29	1 - All Gas 2 - K22/Gas	2 - K22/Gas	1 - All Gas 2 - K22/Gas 8 - CCGT/C26	1 - All Gas

<sup>1</sup> MH 95 - slide 33

<sup>2</sup> MH 95 - slide 33

<sup>3</sup> MH - Chapter 12, pg. 14-18

<sup>4</sup> MH 95 - slide 34

<sup>5</sup> MH 95 - slide 35



TAB 3

**COMPARISON OF ROE PREMIUMS**

	Manitoba Hydro	MPA/OEB	ECS	Concentric Advisors – Authorized 2013 ROE and Government Bond Rates					
				Electric Distr. – Cnd.			Gas Distr. - US		
				Average	Median	Average	Median	Average	Median
ROE	9.30%	9.75%	9.90%	8.38%	8.75%	9.45%	8.93%	9.50%	9.40%
Government Long Term Bond Rate	4.65%	4.25%	4.65%	2.70%	2.70%	2.70%	2.70%	3.31%	3.31%
Premium	4.65%	5.50%	5.25%	5.68%	6.05%	6.75%	6.23%	6.19%	6.09%

**Sources:** Manitoba Hydro – PUB/MH I-156 a)

Morrison Park Associates/OEB – Report of the Board on Cost of Capital for Ontario's Regulated Utilities, Ontario

Energy Board, EB-2009-0084, page 37. The 500 basis point premium quoted in the MPA Report (page 66) was prior to the OEB's adjustment for transactional costs.

Econalysis Consulting Services – NFAT Review Report, pages 21-22 and PUB/CAC-Harper #3

Concentric Advisors – Authorized Return on Equity for Canadian Gas and Electric Distributors and Select

Comparators, October 2013 (see MH Rebuttal, page 126)