

EXHIBIT # CAC/mso3 - 1004
 WUSKWATIM GENERATION
 & TRANSMISSION PROJECT

CLEAN ENVIRONMENT COMMISSION
 TRC, RIM and CCE

Exhibit --CAC MSOS Simplified Illustrative Example of DSM Program Portfolio Design TRC, RIM and CCE

Cost of Conserved Energy CCE		CCE Cost Data per Technology				Total Energy Savings		
Commercial Low E Windows	Utility Avoided Cost rate (d)	Annualized Cost ¹ (a)/(b)	Cost of Conserved Energy (e)/(c)	CCE Ratio (d)/(f)	Participants	Economic Potential kWh/yr (c)		
Cap. Cost \$ (a)	Life yr (b)	Savings/yr (c)	Utility Avoided Cost rate (d)	Annualized Cost ¹ (a)/(b)	Cost of Conserved Energy (e)/(c)	CCE Ratio (d)/(f)	Participants (g)	Economic Potential kWh/yr (c)
\$5,000	25	4000 kWh	6 c/kWh	\$200 ²	5 c/kWh	1.2	1000 ³	4,000,000

Notes 1. Assumes no annual O&M cost 2. Assumes simple payback 3. Assumed number

Total Resource Cost TRC		Total Resource Cost Data per participant				Total Energy Savings		
DSM Measure	Utility Avoided Cost rate (c)	Utility Program Cost (d)	Participant Cost ¹ (e)	TRC Benefit/Cost (a)x(b)x(c)	Participants Per year (g)	Total Savings kWh/yr (b)x(g)		
Commercial Low E Windows	Utility Avoided Cost rate (c)	Utility Program Cost (d)	Participant Cost ¹ (e)	TRC Benefit/Cost (a)x(b)x(c)	Participants Per year (g)	Total Savings kWh/yr (b)x(g)		
Cap. Cost \$ (a)	Life yr (b)	Savings/yr (b)	Utility Program Cost (d)	Participant Cost ¹ (e)	TRC Benefit/Cost (a)x(b)x(c)	Total Savings kWh/yr (b)x(g)		
\$5000	25	4000 kWh	6 c/kWh	\$1000 ²	\$3,500 ³	1.33	250	1,000,000

Notes 1. Assumes no annual O&M cost 2. Does not include MH incentives 3. Net cost after Federal \$1500 incentives

Ratepayer Impact Measure RIM		RIM Cost Data per participant				Total Energy Savings			
DSM Measure	Utility Avoided Cost rate (c)	Utility Program Cost (d)	Incentive ² (e)	Lost Revenue Rate ³ (f)	RIM Benefit/Cost (a)x(b)x(c)	Participants Per year (g)	Total Savings kWh/yr (b)x(g)		
Commercial Low E Windows	Utility Avoided Cost rate (c)	Utility Program Cost (d)	Incentive ² (e)	Lost Revenue Rate ³ (f)	RIM Benefit/Cost (a)x(b)x(c)	Participants Per year (g)	Total Savings kWh/yr (b)x(g)		
Cap. Cost \$ (a)	Life yr (b)	Savings/yr (b)	Utility Program Cost (d)	Incentive ² (e)	Lost Revenue Rate ³ (f)	RIM Benefit/Cost (a)x(b)x(c)	Total Savings kWh/yr (b)x(g)		
\$5,000	25	4000 kWh	6c/kWh	1000	300	4 c/kWh	1.13	250	1,000,000

Notes 1. Assumes no annual O&M cost 2. includes MH \$300 incentive 3. Average MH commercial rate

For TRC and RIM Formulas see MH/NCN April Submission Appendix 6. For CCE see Manitoba Hydro DSM Market Potential Study 2003. Page iii; Demand Side Management Consultants