PSC REF#:230091

REDACTED

Public Service Commission of Wisconsin
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Ex.-PSC-Detmer-1p
Docket 9400-YO-100
Witness: Kenneth J Detmer
1/15/2015
Schedule 1

Worksheet	Reference Location in testimony
Sch. 1 p1	Footnote 3 p.3
Sch. 1 p1	Footnote 4 p.3
Sch. 1 p2	Footnote 4 p.3
Sch. 1 p3	Footnote 6 p.4
Sch. 1 p4, p5	Footnote 7 p.6

EGEAS values for
Acquisition Docket: 9400-YO-100

YEAR	PEAK LOAD, MW	ENERGY GWH	RESERVE PERCENT
2013	[redacted]		
2014			
2015			
2016			
2017			
2018			
2019			
2020			
2021			
2022			
2023			
2024			
2025			
2026			
2027			
2028			
2029			
2030			
2031			
2032			
2033			

Source of data: EGEAS output file page 4

EGEAS values for
Valley Conversion: Docket 6630-CU-101

YEAR	PEAK LOAD, MW	ENERGY GWH	RESERVE PERCENT
2013	[redacted]		
2014			
2015			
2016			
2017			
2018			
2019			
2020			
2021			
2022			
2023			
2024			
2025			
2026			
2027			
2028			
2029			
2030			
2031			
2032			
2033			
2034			
2035			
2036			

Source of data: EGEAS output file page 4

Note: The 2013, 2014, and 2015 Peak Load and Energy values for 'WEPCO Filing for Valley' are estimated

EGEAS values for
Acquisition Docket: 9400-YO-100

YEAR	PEAK LOAD, MW	ENERGY GWH	RESERVE PERCENT
2011			
2012			
2013	[redacted]		
2014			
2015			
2016			
2017			
2018			
2019			
2020			
2021			
2022			
2023			
2024			
2025			
2026			
2027			
2028			
2029			
2030			
2031			
2032			
2033			

Source of data: EGEAS output file page 10

EGEAS values for
Weston 3 REACT Docket: 6690-CE-197

YEAR	PEAK LOAD, MW	ENERGY GWH	RESERVE PERCENT
2011	[redacted]		
2012			
2013			
2014			
2015			
2016			
2017			
2018			
2019			
2020			
2021			
2022			
2023			
2024			
2025			
2026			
2027			
2028			
2029			
2030			
2031			
2032			
2033			
2034			
2035			
2036			

Source of data: EGEAS output file page 8

EGEAS PVRR Cost

Run	Case	Load Resource Zone 2	WEPCO and WPS Combined	WEPCO	WPS
WEPPS4	Reference Case	$41,260.90	$25,936.40	$16,917.70	$10,806.70
WEPPS5	Earlier Retirement of Pulliam 7-8 and Presque Isle	$41,547.20	$25,781.10	$16,650.10	$10,802.50
	Change in PVRR	$286.30	-$155.30	-$267.60	-$4.20

Capital Investment Savings for a Combined Company (CONFIDENTIAL)

Based on Capital Expenditures from EGEAS Analysis

DISCOUNT RATE	8.20%

WEPPS4

Capital Investment Net Present Value Savings for a Combined Company Based on No Additional Retirements

	2014	2015	2016	2017	2018	2019	2020	2021	2022
Capital Costs for a Combined WEPCO and WPS	[redacted]								
Capital Costs - WEPCO ONLY									
Capital Costs - WPS ONLY									
Savings between a Combined EGEAS run and WPS and WEPCO individual runs	$0.0	$0.0	$35.9	$40.6	$45.2	$93.3	$89.7	$85.6	$81.7
PVRR of Savings =	**$603.4**								

WEPPS5

Capital Investment Net Present Value Savings for a Combined Company With Additional Retirements

	2014	2015	2016	2017	2018	2019	2020	2021	2022
Capital Costs for a Combined WEPCO and WPS	[redacted]								
Capital Costs - WEPCO ONLY									
Capital Costs - WPS ONLY									
Savings between a Combined EGEAS run and WPS and WEPCO individual runs	$0.0	$0.0	$28.0	$33.0	$38.0	$118.7	$114.1	$108.9	$104.0
PVRR of Savings =	**$593.4**								

2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	EXT.
[redacted]											
$78.1	$74.7	$71.3	$73.0	$97.8	$122.1	$116.3	$110.3	$104.5	$99.0	$93.7	$272.2

2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	EXT.
[redacted]											
$99.4	$95.0	$90.8	$91.6	$87.2	$82.8	$78.5	$55.3	$51.8	$48.3	$24.6	$145.3