

The Empire District Electric Company 2013 IRP Preferred Plan Decision Scorecard (EO-2013-0547)

**** Denotes Highly Confidential****

NP

		Base Plans Data and Category Scores						Eligible Base Plans Weighted Scores				
	Weights	1 Base Case	2 RAP DSM	5 RAP + DSM	6 RAP ++ DSM	11 No DSM	12 RAP minus	2 RAP DSM	5 RAP + DSM	6 RAP ++ DSM	11 No DSM	12 RAP Minus
Meet Renewable Energy Standard (RES)?	Yes/No	No	Yes	Yes	Yes	Yes	Yes					
Long Run Cost												
20-Yr PVRR with Risk (\$Millions)			7,365.11	7,506.34	7,699.19	7,321.30	7,348.24					
40-Yr PVRR (\$Millions)			10,079.09	10,280.84	10,622.78	10,010.15	10,063.74					
20-Yr PVRR with Risk Score			9.40	7.47	4.84	10.00	9.63					
40-Yr PVRR Score			9.31	7.30	3.88	10.00	9.46					
Total PVRR Score	60%	NA	9.36	7.38	4.36	10.00	9.55	5.614	4.431	2.615	6.000	5.729
PVRR Rank		NA	3	4	5	1	2					
Rate Impact												
Average Rate Impact (Annual Compound Growth Rate)			** **	** **	** **	** **	** **					
Single Year Rate Impact (Max 4-Yr Period Increase)			** **	** **	** **	** **	** **					
Average Rate Impact Score			8.97	6.26	1.37	10.00	9.25					
Single Year Rate Impact Score			9.89	9.21	5.37	10.00	8.31					
Total Rate Impact Score	15%	NA	9.43	7.73	3.37	10.00	8.78	1.414	1.160	0.506	1.500	1.316
Rate Impact Rank		NA	2	4	5	1	3					
Environmental/State Energy Policy												
Hedge against potential environmental regulations Score			8.00	9.50	10.00	3.00	7.50					
State Energy Policy MEEIA Goal Score			10.00	9.50	9.00	5.00	8.00					
Total Environmental/State Energy Policy Score	15%	NA	9.00	9.50	9.50	4.00	7.75	1.350	1.425	1.425	0.600	1.163
Total Environmental/State Energy Policy Rank		NA	3	1	1	5	4					
Required MEEIA Filing												
Cost-effective RAP portfolio for MEEIA Filing Score	10%	NA	10.00	7.00	6.00	-	5.00	1.000	0.700	0.600	-	0.500
Cost-effective RAP portfolio for MEEIA Filing Rank		NA	1	2	3	5	4					
WEIGHTING 100.00%								TOTAL SCORE				
								RANK				
								9.378	7.716	5.146	8.100	8.708
								1	4	5	3	2

Notes:

- This supplemental information is being provided as described in paragraph 21 of a joint filing made on January 31, 2014 in File No. EO-2013-0547.
- The decision scorecard was an agreed to method to comply with 4 CSR 240-22.070(1) and 4 CSR 240-22.010(2)(C).
- The preferred plan selection process is documented in the IRP Executive Summary (pages 33-39). The decision scorecard attempts to follow that process while including the relative weights given to the various performance measures and the rationale used by utility decision makers to judge the appropriate tradeoffs between competing planning objectives and between expected performance and risk.
- The long run cost and rate impact scores are formulaic to represent the relative difference between the plans based on PVRR and rate increases respectively.
- The remaining scores are subjective based on how well they meet the category requirements.
- As documented in the IRP Executive Summary (pages 33-39), the preferred plan represents a balance between the various planning objectives.
- Prior to the IRP development, Empire agreed to bring forward as part of a follow on MEEIA filing, any cost effective realistic achievable potential (RAP) DSM portfolio from the 2013 IRP Preferred Plan.
- All of the alternate resource plans are further described in IRP Volumes 1: Executive Summary and IRP Volume and 6: Integrated Resource Plan and Risk Analysis.
- The list of Empire's utility decision makers can be found in Table 7-7 of IRP Volume 7: Resource Acquisition Strategy Selection.
- The RAP minus plan does not contain a consultant developed demand-side portfolio. This portfolio was developed to help address the uncertainty associated with the load impact estimates of DSM.
- The RAP+ and RAP++ plans are presented in this decision scorecard because they are variations of the base case plan that included a wide range of demand-side portfolios. However, they were created to test for the cost-effectiveness of a significant DSM stretch over historically attainable levels. While the RAP+ and RAP++ plans were added to the IRP plans at the Advisory Group request, Empire does not feel that these are viable or realistic resource plans.