



ENO 2021 IRP
Technical Meeting #3



August 12, 2021

Goals and Agenda of Technical Meeting #3

Goals

- As described in the Initiating Resolution (R-20-257), the main purpose of this meeting is for ENO, the Advisors, and Intervenors to discuss and finalize the Planning Strategies and engage in an initial discussion regarding scorecard metrics.
- Address questions as necessary to finalize the IRP inputs by August 15, 2021, as required by the procedural schedule.

Agenda

1. Planning Strategies—Discussion of ENO Proposed Strategies and Proposed Stakeholder Strategy (if applicable)
2. Initial Discussion of Scorecard Metrics—Initial discussion, starting from 2018 IRP Scorecard
3. IRP Inputs and DSM Studies—Discussion of any outstanding questions



Technical Meeting #2 (4/29/21)—Follow Ups

- BP21 Macro Inputs Workbook
 - Circulated HSPM workbook on 5/10/21
- Planning Scenarios
 - Worked out parameters for Stakeholder Scenario #3 through series of calls and emails in May and June
 - Finalized Scenario #3 on 6/29/21
 - EPG working on MISO market modeling for all three Scenarios
- DSM Studies
 - Call w/ GDS and EPG to discuss required IRP inputs on 6/4/21
 - Circulated description of achievable cases from Guidehouse study on 6/15/21
 - GDS achievable cases circulated 6/17/21
 - Call to discuss GDS cases on 7/16/21
 - Call w/ Guidehouse and GDS to confirm alignment on study inputs on 7/21/21
- Union 1 Deactivation Sensitivity
 - Based on discussion at TM#2, developed approach for manual portfolio to assess early deactivation of Union 1

Section 1

Planning Strategies

ENO Proposed Planning Strategies--Assumptions

	Strategy 1	Strategy 2	Strategy 3	Strategy 4	Strategy 5
Description	Least Cost Planning	But For RCPS (Reference)	RCPS Compliance	TBD, Stakeholder Strategy	TBD, If applicable
Resource Portfolio Criteria and Constraints	Meet long-term Planning Reserve Margin (PRM) target using least-cost resource portfolio of supply and DSM resources	Include a portfolio of DSM programs that meet the Council's stated 2% goal and determine remaining needs	Include a portfolio of DSM programs that meet the Council's stated 2% goal and determine remaining needs in compliance with RCPS policy goals		
Objective	Assess demand- and supply-side alternatives to meet projected capacity needs with a focus on total relevant supply costs.	Design a portfolio that includes a set of potential DSM programs intended to meet the Council's stated 2% goal.	Design a portfolio that includes a set of potential DSM programs intended to meet the Council's stated 2% goal. Excludes resources that would not be RCPS compliant.		
DSM Input Case	Reference Case (Guidehouse)	2% Program Case (Guidehouse)	2% Program Case (Guidehouse)		
Manual Portfolio*	Alternative Deactivation – Union Power Station	N/A	N/A		

*An additional portfolio informed by the portfolio developed under Strategy 1 and Scenario 1 ("Strategy 1a") will be developed to assess the accelerated deactivation of Union, as discussed at Technical Meeting #2.

Anticipated Resulting Portfolios

- Below is a table of the anticipated 13 portfolios to be developed from capacity expansion* assuming four Strategies and the three established Scenarios.

Strategies Scenarios	Strategy 1 (Least Cost)	Strategy 1a (Least Cost- Union Sensitivity)	Strategy 2 (But For RCPS)	Strategy 3 (RCPS Compliance)	Strategy 4 (TBD, Stakeholder Strategy)	Strategy 5 (TBD, if applicable)
Scenario 1	P1&1	MP1a&1	P2&1	P3&1	P4&1	
Scenario 2	P1&2	N/A	P2&2	P3&2	P4&2	
Scenario 3	P1&3	N/A	P2&3	P3&3	P4&3	

*The one exception is that the Union Sensitivity will be developed manually and informed by the portfolio resulting from Strategy 1/Scenario 1 ("P1&1") as discussed at Technical Meeting #2

Section 2
Scorecard Metrics
(Separate Excel File with Draft Scorecard Format)

Section 3

IRP Inputs and DSM Studies

Section 4

Timeline and Next Steps

Current Timeline

Description	Target Date	Status
Public Meeting #1- Process Overview	September 2020	✓
Technical Meeting #1 Material Due	November 2020	✓
Technical Meeting #1	December 2020	✓
Technical Meeting #2 Material Due	April 2021	✓
Technical Meeting #2	April 2021	✓
Planning Scenarios and Non-DSM Inputs Finalized	May 2021	✓
DSM Potential Studies Due	July 2021	✓
Technical Meeting #3 Material Due	July/August 2021	-
Technical Meeting #3	August 2021	-
IRP Inputs Finalized	August 15, 2021	-
Optimized Portfolio Results Due	December 2021	-
Technical Meeting #4 Material Due	January 2022	-
Technical Meeting #4	January 2022	-
Final IRP Report due	March 2022	-
Public Meeting #2 Material Due	April 2022	-
Public Meeting #2 - Present IRP Results	April 2022	-
Public Meeting #3 Material Due	April 2022	-
Public Meeting #3 - Public Response	April/May 2022	-
Technical Meeting #5 Material Due	April 2022	-
Technical Meeting #5	April/May 2022	-
Intervenors and Advisors Questions & Comments Due	May 2022	-
ENO Response to Questions and Comments Due	June 2022	-
ENO File Reply Comments	June 2022	-
Advisors File Report	July 2022	-

Appendix

2021 IRP Planning Scenarios—Finalized 6/29/21

	Scenario 1	Scenario 2	Scenario 3
Description	Reference	Decentralized Focus (DSM & renewables)	Stakeholder
Peak / Energy Load Growth	Reference	Low	High
Basis of DR / EE / DER Additions (Adjustment to Load)	Entergy (Medium)	Entergy (High)	Entergy (High)
Natural Gas Prices (Levelized Real, 2021\$/MMBtu)	Reference	Low	High
Market Coal Retirements	Reference (60 years)	Accelerated (55 years)	Accelerated (30 Years)
Legacy Gas Fleet Retirements	Reference (60 years)	Accelerated (55 years)	Accelerated (30 Years)
CO2 Tax Assumption (Levelized Real, 2021\$/short ton)	Reference	Reference	High
New-Build Resource Alignment with MTEP Future #3	No, Aurora capacity expansion tool will be used	No, Aurora capacity expansion tool will be used	Yes, via a manual MISO market portfolio buildout
Renewable Resource Costs	Entergy Technology Assessment	Entergy Technology Assessment	NREL 2020 ATB