

Entergy New Orleans, LLC, 2018 Integrated Resource Plan  
**Appendix A: Rules Compliance Matrix**

Requirement No.	Section No.	Page No.	Key phrase or Issue	Excerpt	Response and/or Citation to IRP Report
1	1.C.	1	Rules Matrix	<i>Each Utility IRP shall include a matrix of these rules, the corresponding section of the IRP responsive to that rule, and a brief description of how the Utility complied with the rules.</i>	<b>Appendix A</b>
2	3.A.	4	Specific Objectives	<i>The Utility shall state and support specific objectives to be accomplished in the IRP planning process, which include but are not limited to the following:</i>	<b>Pg 8: Planning Objectives</b>
3	3.A.1.	4	Integration of Supply Side and Demand Side Resources	<i>optimize the integration of supply-side resources and demand-side resources, while taking into account transmission and distribution, to provide New Orleans ratepayers with reliable electricity at the lowest practicable cost given an acceptable level of risk;</i>	<b>Pg 8: Planning Objectives Pg 22 Transmission Pg 26 Distribution Section 5 Portfolio Analytics</b>
4	3.A.2.	4	Maintain Financial Integrity	<i>maintain the Utility's financial integrity;</i>	<b>Pg 8: Planning Objectives</b>
5	3.A.3.	4	Mitigate Risks	<i>anticipate and mitigate risks associated with fuel and market prices, environmental compliance</i>	<b>Pg. 63: Stochastic Assessment of Risk</b>

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				<i>costs, and other economic factors;</i>	
6	3.A.4.	4	Support Resiliency and Sustainability	<i>support the resiliency and sustainability of the Utility's systems in New Orleans;</i>	<b>Pg 22: Transmission Pg 26: Distribution Pg 65: Scorecard Metrics and Results</b>
7	3.A.5.	4	Comply with Requirements and Council Policies	<i>comply with local, state and federal regulatory requirements and regulatory requirements and known policies (including such policies identified in the Initiating Resolution) established by the Council;</i>	<b>Pg 54: Planning Strategy Overview Pg 65: Scorecard Metrics and Results</b>
8	3.A.6.	4	Evaluate Incorporation of new technology	<i>evaluate the appropriateness of incorporating advances in technology, including, but not limited to, renewable energy, storage, and DERs, among others;</i>	<b>Pg 34: Assessing Alternatives to Meet ENO Resource Needs</b>
9	3.A.7.	4	Acceptable Risk	<i>achieve a range of acceptable risk in the trade-off between cost and risk;</i>	<b>Pg. 63: Stochastic Assessment of Risk</b>
10	3.A.8.	4	Transparency and Engagement	<i>maintain transparency and engagement with stakeholders throughout the IRP process by conducting technical conferences and providing for stakeholder feedback regarding the Planning Scenarios, Planning Strategies, input parameters, and assumptions.</i>	<b>Technical Meeting #1: 1/22/18 Technical Meeting #2: 9/14/18 Technical Meeting #3: 11/28/18 Technical Meeting #4: 5/1/19</b>

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11	3.B.	4	Efforts to Achieve Objectives	<i>In the IRP Report, the Utility shall discuss its efforts to achieve the objectives identified in Section 3A and any additional specific objectives identified in the Initiating Resolution.</i>	<b>Pg 8: Planning Objectives Section 5, Portfolio Design Analytics</b>
12	4.A.	5	Reference Load Forecasts and alternatives	<i>The Utility shall develop a reference case Load Forecast and at least two alternative Load Forecasts applicable to the Planning Period which are consistent with the Planning Scenarios identified in Section 7C. The following data shall be supplied in support of each Load Forecast:</i>	<b>Pg 12: Load Forecasting Methodology</b>
13	4.A.1.	5	Forecast of Demand and Energy by Customer Class	<i>The Utility's forecast of demand and energy usage by customer class for the Planning Period;</i>	<b>Pg 12: Load Forecasting Methodology</b>
14	4.A.2.	5	Methodology	<i>A detailed discussion of the forecasting methodology and a list of independent variables and their reference sources that were utilized in the development of the Load Forecast, including assumptions and econometrically evaluated estimates. The details of the Load Forecast should identify the energy and demand impacts of customer-owned DERs and then existing Utility-sponsored DSM programs;</i>	<b>Pg 12: Load Forecasting Methodology</b>

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15	4.A.3.	5	Independent Variables	<i>Forecasts of the independent variables for the Planning Period, including their probability distributions and statistical significance;</i>	<b>Pg 12: Load Forecasting Methodology</b>
16	4.A.4.	5	Expected Value of forecast	<i>The expected value of the Load Forecast as well as the probability distributions (uncertainty ranges) around the expected value of the Load Forecast;</i>	<b>Pg 12: Load Forecasting Methodology; Appendix B</b>
17	4.A.5.	5	Line Losses	<i>A discussion of the extent to which line losses have been incorporated in the Load Forecast.</i>	<b>Pg 12: Load Forecasting Methodology</b>
18	4.B.	5	Composite Customer Hourly Load Profiles	<i>The Utility shall construct composite customer hourly load profiles based on the forecasted demand and energy usage by customer class and relevant load research data, including the factors which determine future load levels and shape.</i>	<b>Pg 12: Load Forecasting Methodology and Appendix B</b>
19	4.C.	5	Demand and Energy data for 5 preceding years	<i>Concurrent with the presentation of the Load Forecasts to the Advisors, CURO, and stakeholders, the Utility shall provide historical demand and energy data for the five (5) years immediately preceding the Planning Period. At a minimum, the following data shall be provided:</i>	<b>Pg 12: Load Forecasting Methodology and Appendix B</b>

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20	4.C.1.	5	Monthly energy consumption by class	<i>monthly energy consumption for the Utility in total and for each customer class;</i>	<b>Pg 12: Load Forecasting Methodology and Appendix B</b>
21	4.C.2.	5	Monthly CP for utility and classes	<i>monthly coincident peak demand for the Utility and estimates of the monthly coincident peak demand for each customer class;</i>	<b>Pg 12: Load Forecasting Methodology and Appendix B</b>
22	4.C.3.	5	Monthly peak demand by class	<i>estimates of the monthly peak demand for each customer class;</i>	<b>Pg 12: Load Forecasting Methodology and Appendix B</b>
23	4.D.	5	Section 4 data in attachment	<i>The data and discussions developed pursuant to Section 4A and Section 4B, and Section 4C shall be provided as an attachment to the IRP report and summarized in the IRP report.</i>	<b>Pg 12: Load Forecasting Methodology and Appendix B</b>
24	4.E.	6	Known cogen and >300kW DER resources	<i>The Utility shall also provide a list of any known co-generation resources and DERs larger than 300 kW existing on the Utility's system, including resources maintained by the City of New Orleans for city/parish purposes, (e.g. Sewerage and Water Board, Orleans Levee District, or by independent agencies or entities such as universities, etc.).</i>	<b>Paterson Solar + Storage Pilot; Sites constructed under Commercial Rooftop Project (UD-17-05): TCI and Dwyer Rd.</b>

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25	5.A.	6	Identification of resource options	<i>Identification of resource options. The Utility shall identify and evaluate all existing supply-side and demand-side resources and identify a variety of potential supply-side and demand-side resources which can be reasonably expected to meet the Utility's projected resource needs during the Planning Period.</i>	<b>Appendix D and E: Optimal and Navigant Studies Pg 34: Assessing Alternatives to Meet ENO Resource Needs</b>
26	5.A.1.	6	Existing supply side resource costs	<i>Existing supply-side resources. For existing supply-side resources, the Utility should incorporate all fixed and variable costs necessary to continue to utilize the resource as part of a Resource Portfolio. Costs shall include the costs of any anticipated renewal and replacement projects as well as the cost of regulatory mandated current and future emission controls.</i>	<b>Appendix C-- Variable Supply Cost reflects the optimized run time of existing units</b>
27	5.A.1.a.	6	Changes to resource mix	<i>The Utility shall identify important changes to the Utility's resource mix that occurred since the last IRP including large capital projects, resource procurements, changes in fuel types, and actual or expected operational changes regardless of cause.</i>	<b>Pg 10: Figure 2</b>

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28	5.A.1.b.	6	Supply side resource info	<p><i>Data supplied as part of the Utility’s IRP filing should include a list of the Utility’s existing supply-side resources including: the resource name, fuel type, capacity rating at time of summer and winter peak, and typical operating role (e.g. base, intermediate, peaking).</i></p>	<p><b>Pg. 11: Table 2</b></p>
29	5.A.2.	6	Load reductions from existing DSM resources	<p><i>For existing demand-side resources, the Utility should account for load reductions attributable to the then-existing demand-side resources in each year of the Planning Period. Each existing demand-side resource will be identified as either a specific energy efficiency program or DR program with an individual program lifetime and estimated energy and demand reductions applicable to the Planning Period, or as a then-existing Utility owned or Utility-managed distributed generation resource with energy and demand impacts that are estimated for applicable years of the Planning Period. Data supplied as part of the Utility’s IRP filing should include:</i></p>	<p><b>Pg 12: Load Forecasting Methodology</b>  <b>Pg 42: Demand-Side Management</b>  <b>Pg 68: Action Plan</b></p>

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30	5.A.2.a.	6	Projected reductions	<i>Details of projected kWh/kW reductions from existing DSM programs based on quantifiable results and other credible support derived from Energy Smart New Orleans, or any successor program, using verified data available to the Utility from prior DSM program implementation years.</i>	<b>Appendix B</b>
31	5.A.2.b.	6	Existing DSM resources	<i>A list categorizing the Utility’s existing demand-side resources including anticipated capacity at time of summer and winter peak.</i>	<b>Pg 42: Demand-Side Management Pg 68: Action Plan</b>
32	5.A.3.	6	Potential SS resources	<i>With respect to potential supply-side resources, the Utility shall consider: Utility-owned and purchased power resources; conventional and new generating technologies including technologies expected to become commercially viable during the Planning Period; technologies utilizing renewable fuels; energy storage technologies; cogeneration resources; and Distributed Energy Resources, among others.</i>	<b>Pg 34: Technology Assessment</b>
33	5.A.3.a.	7	Incorporate known policy goals	<i>The Utility should incorporate any known Council policy goals (including such policy goals identified in the Initiating Resolution) with respect to</i>	<b>Section V, Portfolio Design Analytics Pg 68: Action Plan Pg 25: Distribution</b>

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				<i>resource acquisition, including, but not limited to, renewable resources, energy storage technologies, and DERs.</i>	
34	5.A.3.b.	7	Required data for resources	<i>Data supplied as part of the Utility’s IRP filing should include: a description of each potential supply-side resource including a technology description, operating characteristics, capital cost or demand charge, fixed operation and maintenance costs, variable charges, variable operation and maintenance costs, earliest date available to provide supply, expected life or contractual term of resource, and fuel type with reference to fuel forecast.</i>	<b>Pg 34: Assessing Alternatives to Meet ENO Resource Needs</b>
35	5.A.4.	7	Potential DSM Resources	<i>Potential demand-side resources. With respect to potential demand-side resources, the Utility should consider and identify all cost-effective demand-side resources through the development of a DSM potential study. All DSM measures with a Total Resource Cost Test value of 1.0 or greater shall be considered cost effective for DSM measure screening purposes.</i>	<b>Appendix D and E-- Navigant and Optimal Potential Studies</b>
36	5.A.4.a.	7	DSM Potential Study	<i>The DSM potential study shall include, but not be limited to: identification of eligible measures, measure life expectancies,</i>	<b>Appendix D and E-- Navigant and Optimal Potential Studies</b>

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				<i>baseline standards, load reduction profiles, incremental capacity and energy savings, measure and program cost assumptions, participant adoption rates, market development, and avoided energy and capacity costs for DSM measure and program screening purposes.</i>	
37	5.A.4.b.	7	N.O. TRM	<i>The principal reference document for the DSM potential study shall be the New Orleans Technical Reference Manual.</i>	<b>Appendix D and E-- Navigant and Optimal Potential Studies</b>
38	5.A.4.c.	7	CA Standard Practice Tests	<i>In the development of the DSM potential study, all four California Standard Practice Tests (i.e. TRC, PACT, RIM and PCT) will be calculated for the DSM measures and programs considered.</i>	<b>Appendix D and E-- Navigant and Optimal Potential Studies</b>
39	5.A.4.d.	7	Known policy goals re: DSM	<i>The Utility should incorporate any known Council policy goals or targets (including such policy goals or targets identified in the Initiating Resolution) with respect to demand-side resources.</i>	<b>Pg 54: Planning Strategy Overview Pg 65: Scorecard Metrics and Results</b>
40	5.A.4.e.	7	Cost effective DR programs	<i>The cost-effective DR programs should include consideration of those programs enabled by the deployment of Advanced Meter Infrastructure, including both direct load control and DR pricing programs for both Residential and</i>	<b>Appendix D and E-- Navigant and Optimal Potential Studies</b>

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				<i>Commercial customer classes.</i>	
41	5.A.4.f.	8	Required data for DSM analysis	<i>Data supplied as part of the Utility's IRP filing should include: a description of each potential demand-side resource considered, including a description of the resource or program; expected penetration levels by planning year; hourly load reduction profiles for each DSM program utilized in the IRP process; and results of appropriate cost-benefit analyses and acceptance tests, as part of the planning assumptions utilized within the IRP planning process.</i>	<b>Appendix D and E-- Navigant and Optimal Studies Pg 42: Demand-Side Management Pg 44: Energy Efficiency Pg 47: Demand Response</b>
42	5.B.	8	Stakeholder process	<i>Through the Stakeholder Process, the Utility shall strive to develop a position agreed to by the Utility, the Advisors, and a majority of the Intervenors regarding the potential supply-side and potential demand-side resources and their associated defining characteristics (e.g., capital cost, operating and maintenance costs, emissions, DSM supply curve, etc.).</i>	<b>Consensus among parties reached at Technical Meeting #3</b>

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43	5.B.1.	8	Reference Planning Strategy	<p><i>To the extent such a consensus can be achieved among the Utility, the Advisors, and a majority of the Intervenors, the resulting collection of potential supply-side and demand-side resources and their associated defining characteristics will be utilized in the reference Planning Strategy developed pursuant to Section 7D.</i></p>	<b>Consensus among parties reached at Technical Meeting #3</b>
44	5.B.2.	8	Stakeholder Strategy	<p><i>To the extent such a consensus cannot be achieved, the Utility shall model, in coordination with the requirements in Section 7D, two distinct Planning Strategies: a reference Planning Strategy and a stakeholder Planning Strategy. The reference Planning Strategy will be based on the Utility's assessment of the collection of potential supply-side and demand-side resources and their associated defining characteristics. The stakeholder Planning Strategy will be determined by a majority of the Intervenors and modeled by the Utility based on inputs provided to the Utility describing the collection of potential supply-side and demand-side resources and their associated defining characteristics. To maintain consistency in the modeling process, the Advisors will work</i></p>	<b>Consensus among parties reached at Technical Meeting #3</b>

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				<i>with the Intervenors and the Utility to ensure that input that is provided for the stakeholder Planning Strategy can be accommodated within the framework of the existing model and software.</i>	
45	6.A.	8	Integration of T&D planning into IRP	<i>The Utility shall explain how the Utility's current transmission system, and any planned transmission system expansions (including regional transmission system expansion planned by the RTO in which the Utility participates) and the Utility's distribution system are integrated into the overall resource planning process to optimize the Utility's resource portfolio and provide New Orleans ratepayers with reliable electricity at the lowest practicable cost.</i>	<b>Pg 22: Transmission Pg 26: Distribution</b>
46	6.B.	9	Planned transmission topology	<i>Models developed for the integrated resource planning process should incorporate the planned configuration of the Utility's transmission system and the interconnected RTO during the Planning Period.</i>	<b>Pg 22: Transmission</b>

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47	6.C.	9	Major changes to T&D systems	<p><i>To the extent major changes in the operation or planning of the transmission system and/or distribution system (including changes to accommodate the expansion of DERs) are contemplated in the Planning Period, the Utility should describe the anticipated changes and provide an assessment of the cost and benefits to the Utility and its customers.</i></p>	<p><b>Pg 22: Transmission</b> <b>Pg 26: Distribution</b></p>
48	6.D.	9	Transmission solutions for reliability	<p><i>To the extent that new resource additions are selected by the Utility for a Resource Portfolio based on reliability needs rather than as a result of the optimized development of a Resource Portfolio, the Utility shall identify reasonable transmission solutions that can be employed to either reduce the size, delay, or eliminate the need for the new reliability-driven resource additions and provide economic analyses demonstrating why the new reliability-driven resource addition was selected in lieu of the transmission solutions identified.</i></p>	<p><b>Pg 22: Transmission</b></p>

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49	6.E.	9	Evaluation of DERs	<p><i>It is the Council's intent that, as part of the IRP, the Utility shall evaluate the extent to which reliability of the distribution system can be improved through the strategic location of DERs or other resources identified as part of the IRP planning process. The Utility should provide an analysis, discussion, and quantification of the costs and benefits as part of the evaluation. To the extent the Utility does not currently have the capability to meet this requirement, the utility shall demonstrate progress toward accomplishing this requirement until such time as it acquires the capability.</i></p>	<b>Pg 26: Distribution</b>
50	7.A.	9	IRP Modeling parameters	<p><i>The integrated resource planning process should include modeling of specific parameters and their relationships consistent with market fundamentals, and as appropriate for long-term Portfolio planning. This overall modeling approach is an accepted analytic approach used in resource planning considering the range of both supply-side and demand-side options as well as uncertainty surrounding market pricing. To represent and account for the different characteristics of alternative types of resource</i></p>	<b>Section 5, Portfolio Design Analytics</b>

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				<i>options, mathematical methods such as a linear programming formulation should be used to optimize resource decisions.</i>	
51	7.B.	9	External Capacity sales	<i>The optimization process shall be constrained to mitigate the over-reliance on forecasted revenues from external capacity market sales and external energy market sales driving the selection of resources.</i>	<b>Pg 56: Market Modeling Pg 56: Capacity Optimization and Results</b>
52	7.C.	9	Planning Scenarios	<i>The Utility shall develop three to four Planning Scenarios that incorporate different economic and environmental circumstances and national and regional regulatory and legislative policies.</i>	<b>Consensus among parties reached at Technical Meeting #3</b>
53	7.C.1.	10	Reference and Alternative Scenarios	<i>The Planning Scenarios should include a reference Planning Scenario that represents the Utility's point of view on the most likely future circumstances and policies, as well as two alternative Planning Scenarios that account for alternative circumstances and policies.</i>	<b>Consensus among parties reached at Technical Meeting #3</b>
54	7.C.2.	10	Scenario Assumptions	<i>In the development of the Planning Scenarios, the Utility should seek to develop a position agreed to by the Utility, Advisors, and a</i>	<b>Consensus among parties reached at Technical Meeting #3</b>

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				<i>majority of Intervenors regarding the assumptions surrounding each of the Planning Scenarios. To the extent such a consensus is not reasonably attainable regarding the Planning Scenarios, the Utility shall model a fourth Planning Scenario which is based upon input agreed to by a majority of the Intervenors.</i>	
55	7.C.3.	10	Data for Scenarios	<i>For each IRP Planning Scenario, data supplied as part of the Utility's IRP filing should include:</i>	
56	7.C.3.a.	10	Fuel Price Forecast	<i>a fuel price forecast for each fuel considered for utilization in any existing or potential supply-side resource;</i>	<b>Pg 50: Natural Gas Price Forecast</b>
57	7.C.3.b.	10	Hourly Market Price Forecast for Energy	<i>an hourly market price forecast for energy (e.g. locational marginal prices);</i>	<b>Pg 56: Market Modeling</b>
58	7.C.3.c.	10	Annual Capacity Price Forecast	<i>an annual capacity price forecast for both a short-term capacity purchase (e.g. bilateral contract or Planning Resource Credit) and a long-term capacity purchase (e.g. long-run marginal cost of a new replacement gas combustion turbine);</i>	<b>Appendix F--Macro Inputs Workbook</b>
59	7.C.3.d.	10	Other Price Components	<i>forecasts of price for any other price related components that are defined by the Planning Scenario</i>	<b>Pg 51: CO<sub>2</sub> Price forecast</b>

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				<i>(e.g. CO<sub>2</sub> price forecast, etc.).</i>	
60	7.D.	10	Strategies	<i>Distinct from the Planning Scenarios, the Utility shall identify two to four Planning Strategies which constrain the optimization process to achieve particular goals, regulatory policies and/or business decisions over which the Council, the Utility, or stakeholders have control.</i>	<b>Consensus among the parties reached at Technical Meeting #3</b>
61	7.D.1.	10	Lowest Cost Strategy	<i>The Utility shall develop a Planning Strategy that allows the optimization process to identify the lowest cost option for meeting the needs identified in the IRP process.</i>	<b>Pg 54: Planning Strategy Overview</b>
62	7.D.2.	10	Reference Strategy	<i>The Utility shall develop a reference Planning Strategy agreed to by the Utility, Advisors, and a majority of the Intervenors. To the extent such a consensus cannot be reasonably achieved, the reference Planning Strategy shall reflect the Utility's point of view on resource input parameters and constraints, and the Utility shall model a separate stakeholder Planning Strategy based upon input determined by a majority of the Intervenors.</i>	<b>Consensus among the parties reached at Technical Meeting #3</b>

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63	7.D.3.	11	Alternate Strategies	<i>As necessary, the Utility shall develop alternate Planning Strategies to reflect known utility regulatory policy goals of the Council (including such policy goals or targets identified in the Initiating Resolution) as established no later than 30 days prior to the date the Planning Strategy inputs must be finalized.</i>	<b>Consensus among the parties reached at Technical Meeting #3</b>
64	7.E.	11	Finalization of Scenario and Strategy Parameters	<i>Prior to the development of optimized Resource Portfolios, the parameters developed for the Planning Scenarios and Planning Strategies shall be set, considered finalized, and not subject for alteration during the remainder of the IRP planning cycle. The IRP Report shall describe the parameters of each Planning Scenario and each Planning Strategy, including all artificial constraints utilized in the optimization modeling.</i>	<b>Section 5, Portfolio Design Analytics</b>
65	7.F.	11	Portfolio Optimization	<i>Resource Portfolios shall be developed through optimization utilizing the Utility's modeling software. The Utility shall identify the least-cost Resource Portfolio for each Planning Scenario and Planning Strategy combination, based on total cost. Resource Portfolios shall consist of optimized combinations of supply-</i>	<b>Pg 56: Capacity Optimization and Results</b>

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				<i>side and demand-side resources, while recognizing constraints including transmission and distribution.</i>	
66	7.G.	11	Results of Scenario&Strategy combinations	<i>The Utility shall provide a discussion and presentation of results for each Planning Scenario/Planning Strategy combination, the annual total demand related costs, energy related costs, and total supply costs associated with each least-cost Resource Portfolio identified under each Planning Scenario/Planning Strategy combination, a load and capability table indicating the total load requirements and identifying all supply-side and demand-side resources included in the Resource Portfolio (including identifying the impacts of existing demand-side resources on the total load requirements), and a description of the supply-side and demand-side resources that are planned and, if applicable, their principal rationale for selection (i.e., supply peak demand, supply non-peak demand or operational constraints, achieve more economical production of energy, etc.).</i>	<b>Pg 61: Total relevant supply Cost Results; Appendix C</b>

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67	7.G.1.	11	Annual and Cumulative portfolio costs	<i>Data supplied as part of the Utility's IRP filing shall include a cumulative present worth summary of the results as well as the annual estimates of costs that result in the cumulative present worth to enable the Council to understand the timing of costs and savings of each least-cost Resource Portfolio.</i>	<b>Pg 61: Total relevant supply Cost Results; Appendix C</b>
68	7.H.	11	Discussion of Portfolio Results	<i>The IRP report's discussion and presentation of results for each Resource Portfolio should identify key characteristics of that Resource Portfolio and significant factors that drive the ultimate cost of that Resource Portfolio such that the Council may understand which factors could ultimately and significantly affect the preference of a Resource Portfolio by the Council.</i>	<b>Pg 61: Total Relevant Supply Cost Results</b>
69	7.I.	11	Scorecard template	<i>The Utility will develop and include a scorecard template or set of quantitative and qualitative metrics to assist the Council in assessing the IRP based on the Resource Portfolios. The scorecard should rank the resource portfolios by how well each portfolio achieves each metric. Such metrics should include but not necessarily be limited to: cost; impact on the</i>	<b>Pg 65: Scorecard Metrics and Results</b>

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				<i>Utility's revenue requirements; risk; flexibility of resource options; reasonably quantifiable environmental impacts (such as national average emissions for the technologies chosen, amount of groundwater consumed, etc.); consistency with established, published city policies, such as the City's sustainability plan; and macroeconomic impacts in New Orleans.</i>	
70	8.A.	12	Cost/Risk Analysis	<i>The Utility shall develop a cost/risk analysis which balances quantifiable costs with quantifiable risks of the identified least-cost Resource Portfolios. The risk assessment must be presented in the IRP to allow the Council to comprehend the robustness of each Resource Portfolio across the cost/risk range of possible Resource Portfolios.</i>	<b>Pg 63: Stochastic Assessment of Risk</b>
71	8.A.1.	12	Assessment of social and environmental costs	<i>In quantifying Resource Portfolio costs/risks, the IRP shall assess any social and environmental effects of the Resource Portfolios to the extent that: 1) those effects can be quantified and have been modeled for a Resource Portfolio, including the applicable Planning Period years and ranges of uncertainty surrounding each</i>	<b>Pg 65: Scorecard Metrics and Results</b>

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				<i>externality cost, and 2) each quantified cost must be clearly identified by the portion which relates to the Utility's revenue requirements or cost of providing service to the Utility's customers under the Resource Portfolio.</i>	
72	8.A.2.	12	Probabilities of outcomes	<i>It is the Council's intent that, as part of the IRP, a risk assessment be conducted to evaluate both the expected outcome of potential costs as well as the distribution and potential range and associated probabilities of outcomes. To the extent the Utility believes the risk assessment described herein is beyond the current modeling capabilities of the Utility or that the risk assessment cannot be accomplished within the procedural schedule set forth in the Initiating Resolution, the Utility shall so inform the Council and meet with the Intervenors and Advisors to agree upon an alternative form of risk analysis to recommend to the Council.</i>	<b>Pg 63: Stochastic Assessment of Risk</b>
73	8.A.2.a.	12	Cost/MWh in future years	<i>The risk assessment shall include the expected cost per MWh of the Resource Portfolios in selected future years, along with the range of annual average costs foreseen for the 10th and 90th percentiles</i>	<b>Pg 63: Stochastic Assessment of Risk</b>

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				<i>of simulated possible outcomes.</i>	
74	8.A.2.b.	12	Supporting Methodology Included	<i>The supporting methodology shall be included, such as the iterations or simulations performed for the selected years, in which the possible outcomes are drawn from distributions that describe market expectations and volatility as of the current filing date.</i>	<b>Pg 63: Stochastic Assessment of Risk</b>
75	9.A.	12	IRP Process Requirements	<i>At a minimum, the IRP process shall include, but not be limited to, the following elements:</i>	
76	9.A.1.	12	Collaboration on IRP inputs	<i>The opportunity for Intervenors to participate in the concurrent development of inputs and assumptions for the major components of the IRP in collaboration with the Utility within the confines of the IRP timeline and procedural schedule.</i>	<b>Stakeholder process conducted in accordance with IRP Rules and Initiating Resolution</b>

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77	9.A.2.	12	Four Technical Meetings	<i>At least four technical meetings attended by the parties in the Docket focused on major IRP components that include the Utility, Intervenors, CURO, and the Advisors with structured comment deadlines so that meeting participants have the opportunity to present inputs and assumptions and provide comments, and attempt to reach consensus while remaining mindful of the procedural schedule established in the Initiating Resolution.</i>	<b>Technical Meeting #1: 1/22/18</b> <b>Technical Meeting #2: 9/14/18</b> <b>Technical Meeting #3: 11/28/18</b> <b>Technical Meeting #4: 5/1/19</b> <b>Technical Meeting #5: TBD</b>
78	9.A.3.	13	Three Public Meetings	<i>At least 3 public engagement technical conferences advertised through multiple media channels at a minimum of 30 days prior to the public technical conference.</i>	<b>Public Meeting #1: 9/25/17</b> <b>Public Meeting #2: 8/9/19</b> <b>Public Meeting #3: TBD</b>
79	10.A.	13	Public Review of IRP	<i>The Utility shall make its IRP available for public review subject to the provisions of the Council Resolution initiating the current IRP planning cycle and referenced in Section 1B.</i>	<b>Public IRP Available on ENO IRP Website</b>
80	10.B.	13	Filing of IRP	<i>The Utility shall file its IRP with the Council consistent with and subject to the provisions of the Council Resolution initiating the current IRP planning cycle</i>	<b>IRP Filed: 7/19/19</b>

( Entergy New Orleans, LLC, 2018 Integrated Resource Plan )

				<i>referenced in Section 1B.</i>	
81	10.C.	13	Discussion of Stakeholder engagement	<i>The IRP report should discuss the stakeholders’ engagement throughout the IRP process; the access to data inputs and specific modeling results by all parties; the consensus reached regarding all demand-side and supply-side resource inputs and assumptions; specific descriptions of unresolved issues regarding inputs, assumptions, or methodology; the formulation of the stakeholder Planning Scenario and/or stakeholder Planning Strategy as needed; and recommendations to improve the transparency and efficiency of the IRP process for prospective IRP cycles.</i>	<b>Pg 4: Executive Summary; Pg 53: Portfolio Design Analytics</b>
82	10.D.	13	Action Plan	<i>The IRP shall include an action plan and timeline discussing any steps or actions the Utility may propose to take as a result of the IRP, understanding that the Council’s acceptance of the filing of the Utility’s IRP would not operate as approval of any such proposed steps or actions.</i>	<b>Pg 68: Action Plan</b>