

# **Integrated Resource Plan of Entergy New Orleans**

Initial Public Meeting  
September 25, 2017

# Initial Public Meeting

## Topics

- Purpose of the IRP (Advisors)
- The IRP Process, Timeline, and Procedural Schedule (Advisors)
- Analyses Performed During the IRP Process, Including Inputs and Assumptions Thereto (Entergy New Orleans)
- Ways In Which the Public May Participate in the Proceeding (Advisors)

# Before We Get Started

## Resolutions Governing the IRP Process

- **R-17-332** - Adopted the Electric Utility Integrated Resource Plan Rules of the Council of the City of New Orleans (IRP Rules)
  - Supersede IRP Requirements Adopted by Resolution No. R-10-142
- **R-17-429** - Approved two amendments to the IRP Rules
  - Added an Introductory Statement to the IRP Rules
  - Clarified the Actions the Council May Take with Respect to the IRP After Consideration of All of the Evidence Entered into the Record
- **R-17-430** - Initiating Resolution Regarding the 2018 Triennial IRP Planning Process

# Purpose of the IRP

## Excerpts from IRP Rules Introductory Statement

- Inform and empower effective council and utility decision making
- Enhancing public awareness of and input into the utility's energy choices
- Provide a full picture of all reasonably available resource options in light of current and expected market conditions and technology trends
- Generate an informed understanding of the economic, reliability, and risk evaluation of utility resource planning as well as the associated social and environmental impacts
- Encourage and enforce a transparent process that allows all interested constituents and stakeholders to participate
- Foster the development of a complete administrative record upon which informed council decision-making can occur

# Purpose of the IRP

## Planning Tool, Not Resource Acquisition Proceeding

- IRP Rules, Section 1
  - “Each Utility IRP is intended to serve as a general resource planning tool to the Utility and the Council, rather than a forum for the approval of the acquisition, implementation, or deactivation of any supply-side or demand-side resource.”
- Council Resolution R-17-332
  - “... an IRP process should be a broad analytical framework and not a vehicle for the consideration of specific assets”
  - “... proposals to acquire specific assets should continue to be considered on a case-by-case basis”

# IRP Process

## Initiating Resolution

- R-17-430 – (Initiating Resolution) provides details regarding:
  - The IRP Process and Timeline
  - Intervenor and Public Participation in the IRP Process
  - Policy Objectives For Consideration in the IRP Process
    - Optimization Policy Objectives
    - Scorecard Policy Objectives
  - The Council’s Desire to Engage an Independent Consultant to Perform a Demand-side Management (DSM) Potential Study for Input to the IRP Process
    - Desire is for a Neutral, Unbiased Expert with Substantial Experience with DSM Potential Studies
  - The Council’s Requirement that ENO Include with Its IRP Filing a Report Detailing the Development of Modeling Capability to Integrate Distributed Energy Resources

# IRP Process

Informs IRP Development and Ultimately the Results

## Inputs

Supply-Side  
Resource Options

Demand-Side  
Resource Options

Load Forecasts

Fuel Forecasts

Capacity Market  
Price Forecasts

Energy Market Price  
Forecasts

Emissions Price  
Forecasts

## Utility Modeling

Optimization of All  
Resource Options  
on an Equal  
Footing Subject to  
Planning Strategy  
Constraints

## Results

Optimized Resource Portfolios

Risk Assessment

Scorecard Ranking

- Cost
- Impact on revenue requirements
- Flexibility
- Environmental Impacts
- City Policies
- Sustainability

# IRP Process

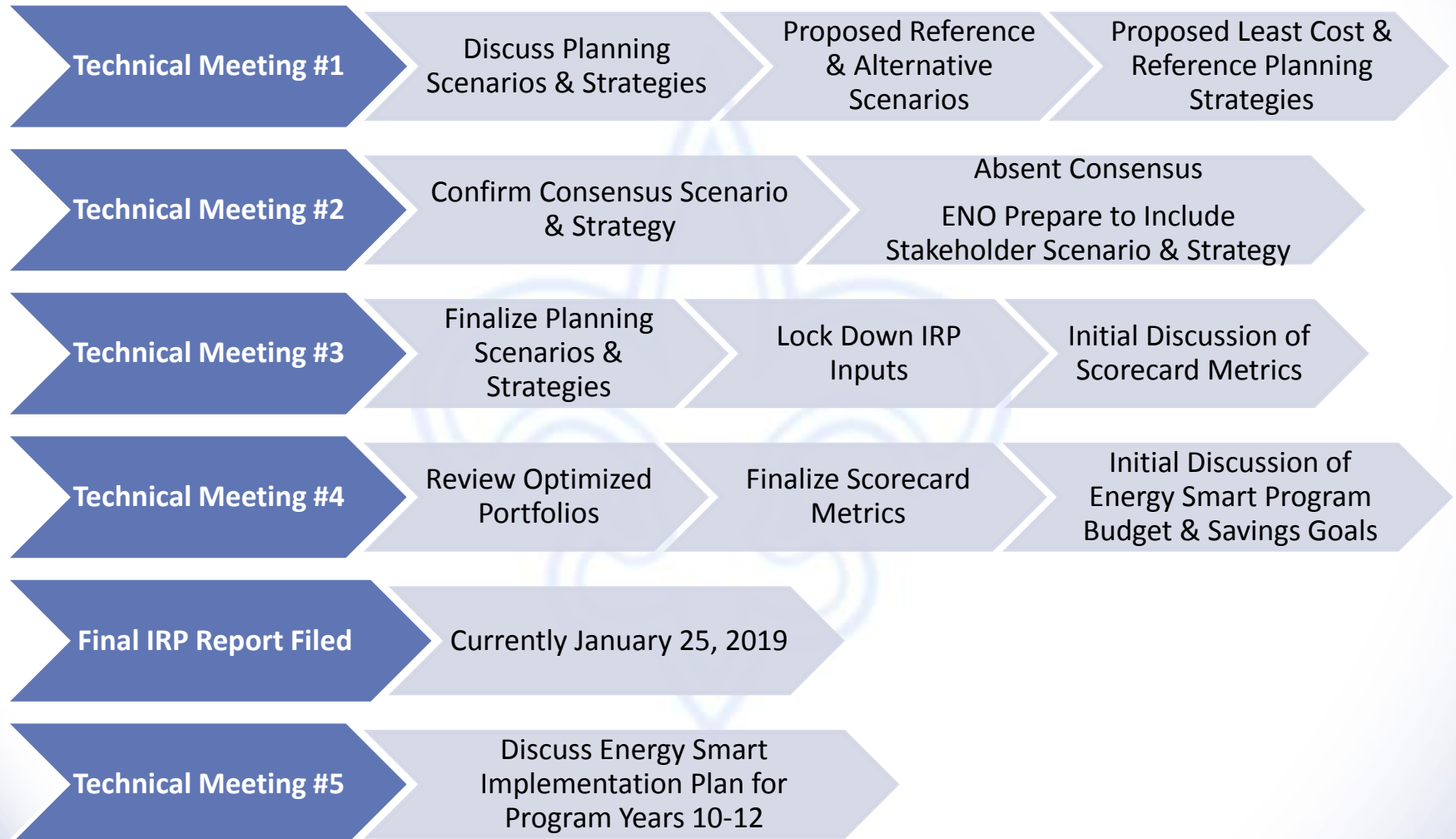
## Advisor and Stakeholder Input is Important

- The Development of the IRP Requires Complex Software Which Requires Forecasts on an Hourly Basis and Performs Detailed Modeling on an Hour by Hour Basis
- The Output of Detailed Modeling is of Little or No Value if the Inputs to the Model are Inappropriate
  - Garbage In / Garbage Out
- Developing Inputs to the IRP Modeling is Critical
  - Opinions on Inputs May Differ Due to Perspective
  - Specific Inputs Need Not Predict the Future, However the Array of Inputs Should Reasonably be Expected to Encompass the Future
- The Technical Meetings Established by the IRP Process Form the Backbone by Which ENO, Advisors, and Stakeholder Input is Exchanged and Discussed



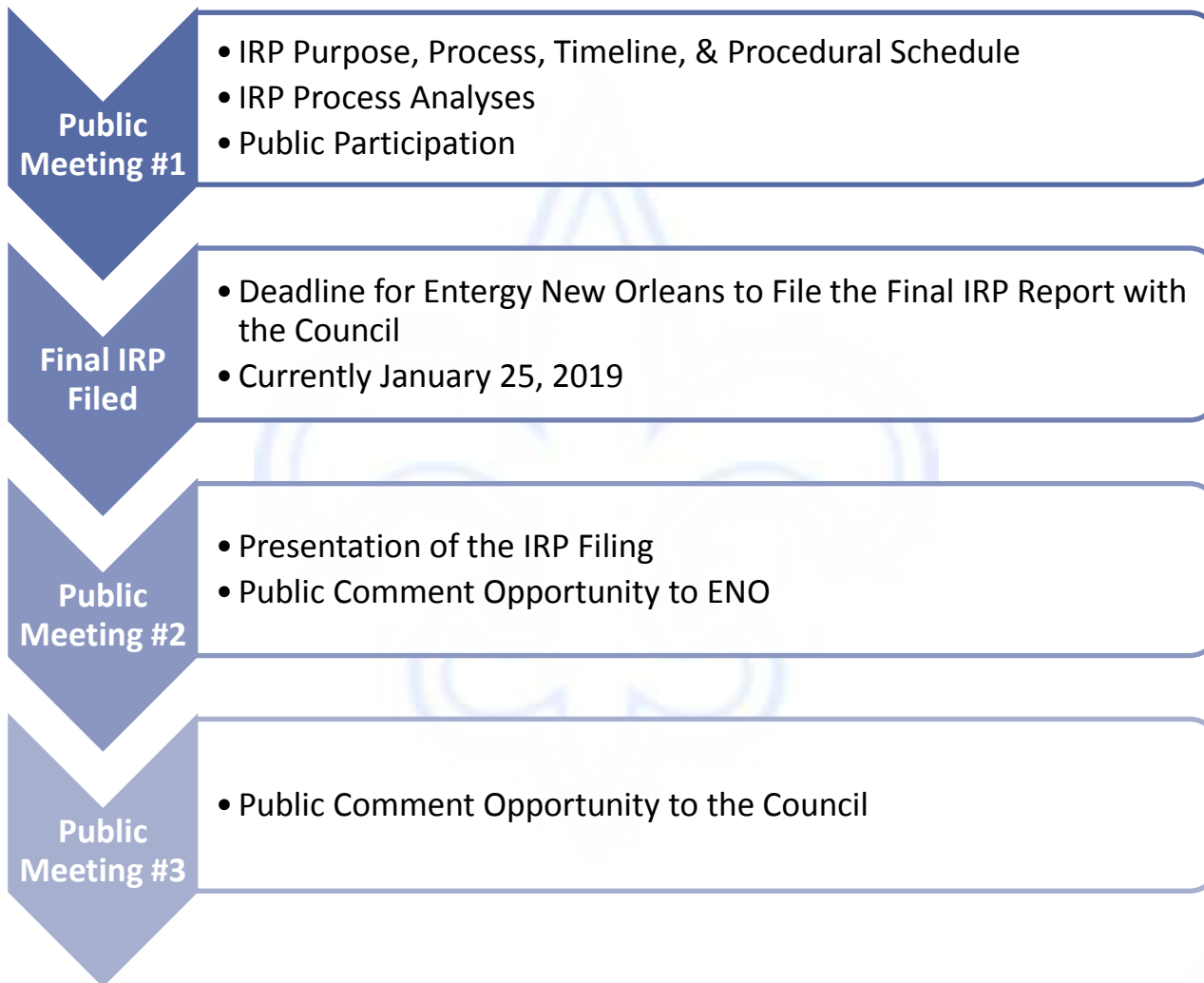
# IRP Process

## Flow of Technical Meetings



# IRP Process

## Flow of Public Meetings



# IRP Procedural Schedule

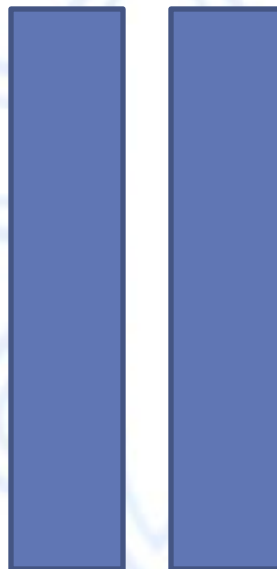
(Potential Future Revisions based on RFQ for DSM Study)

<u>IRP Milestones</u>	<u>DSM Potential Study</u>	<u>Technical Meetings</u>	<u>Public Meetings</u>
	RFQ For DSM Consultant	Sep-17 Oct-17 Nov-17 Dec-17	Public Meeting #1
	Selection of DSM Consultant	Jan-18 Feb-18 Mar-18 Apr-18 May-18	Technical Meeting #1
	Potential Studies Submitted	Jun-18 Jul-18 Aug-18 Sep-18 Oct-18 Nov-18 Dec-18	Technical Meeting #2 Technical Meeting #3 Technical Meeting #4
Lock Down of IRP Inputs			
Optimized Portfolios / Results			
Final IRP Report Filed		Jan-19 Feb-19 Mar-19 Apr-19 May-19 Jun-19 Jul-19	Public Meeting #2 Public Meeting #3
Intervenor Comments on IRP			Technical Meeting #5
ENO Reply Comments on IRP			
Advisors Report on IRP			

# ENO Presentation

(Hold Advisor Presentation to Allow ENO to Present)

- Entergy New Orleans Presentation on the Analyses Performed During the IRP Process, Including Inputs and Assumptions Thereeto



# How To Participate

- Three Ways To Participate
  - Intervenor
    - Must File Motion for Intervention by October 16, 2017
    - Participation is More Technical
    - Official Status in Docket
    - Participate in Technical Meetings
    - Perform Detailed Review of Analyses
    - File Written Comments in Docket
  - Interested Person
    - Must Notify the Council Utility Regulatory Office
    - Real Time Monitoring of the IRP Process
    - Receive Copies of All Filings, Issuances, and Notices
    - Participate In Public Meetings
    - Provide Verbal Comments to ENO and the Council
  - Public
    - Participate In Public Meetings
    - Provide Verbal Comments to ENO and the Council