IRP BUILDING BLOCKS & DEVELOPMENT (IPL)
IRP Building Blocks & Development Outline

- Purpose of Integrated Resource Planning (IRP)
- Development process
- Building blocks
- Results
IRP Building Blocks & Development

- **Purpose of IRP:**
  - “IRPs describe how the utility plans to deliver safe, reliable, and efficient electricity at just and reasonable rates”.
- Process to screen options, model variables, produce possible resource plans for multiple scenarios
- Complex effort to balance multiple stakeholder interests
- Includes qualitative and quantitative information

*Source: IURC*
IRP Building Blocks

Load Forecast
- Economic drivers
- EE standard impacts

Resources
- Supply side-generation
- Demand side – EE, DR, DG

Costs
- Fuel – NG, coal, other
- Market prices – energy & capacity
- Risks – e.g. environmental costs
IRP Building Blocks

Load Forecast

Resources

Costs

Scenarios & Sensitivities
Process & Results

- Develop scenarios or future views of the world to shape inputs and frameworks for analysis
- Include sensitivity analysis of specific variables
- Results in multiple resource plan options
- Model outputs include parameters of each plan such as:
  - Present Value Revenue Requirements (PVRR)
  - Fuel consumption
  - Environmental impacts