

**WYOMING PUBLIC SERVICE COMMISSION
NATURAL GAS INTEGRATED RESOURCE PLAN GUIDELINES**

The Commission's review of a natural gas utility's Integrated Resource Plan (IRP) may include, but is not limited to:

- A. A discussion of the IRP public input process and any results from the public process that have been incorporated in the utility's IRP process, including a description of the public input as well as the timing of and weight given to the public input;

[In the utility's description the public input process, it should discuss/explain such items as comments received and public meetings held as part of its IRP process. The considerations utilized in the IRP or expected to be utilized in the future should be addressed as should any Request for Proposals (RFP) processes and the results of such.]

- B. The utility's illustration of its load requirement historically and over the planning horizon;

[The utility's demonstration should include current and projected utility load requirements, historical and projected load growth, changes or expected changes in the projected load growth since the utility's previous IRP and discussion of the reason for changes in load requirement. The load requirements should be presented for the total utility, for the Wyoming jurisdiction and for each customer class.]

- C. The utility's resource planning goals and analyses and the results of the analyses conducted, including the preferred portfolio to meet load requirements, as well as the utility's projection of asset acquisition, retirement or sale;

[This may include, but is not limited to, an illustration of supply side resources such as production, market purchases, storage alternatives and physical or financial price stabilization efforts for meeting expected load requirements. Local market considerations should be addressed by the utility as well as system and resource modeling results and sensitivity analyses conducted and the results of such analyses. The utility should explain how it derives its planned portfolio and how it monitors the portfolio throughout the plan period. This should include a demonstration and analysis addressing whether the resources studied balance least-cost/least-risk for the utility and its consumers and how the resources studied balance least-cost/least risk. The IRP should clearly depict the modeling assumptions and demonstrate that the assumptions used in the study are reasonable. The presentation should also include the risks and uncertainties the utility is facing, current and potential costs of those risks to the utility and its customers and a discussion of the risk mitigation measures considered and instituted in the IRP to minimize those risks.]

D. Analysis and discussion of current and expected infrastructure utilization, repair and replacement projects;

[This should include a detailed description of the analyses and results of the system constraints, capabilities and utilization. The discussion of the utility's plan should include how and when the utility will address any limitations or other operational issues such as current and expected repair, replacement and expansion projects.]

E. The environmental impacts considered;

[The impacts considered may include, but are not limited to:

- i. Discussion of environmental considerations such as state, regional or federal environmental policies or requirements that affect or may affect operation, safety, security, compliance or other along with any impacts of such that have been incorporated in the planning process;*
- ii. The risks and uncertainties associated with potential environmental policies and regulations; and*
- iii. Any environmental effects of mitigation and operational considerations and requirements.]*

F. Depiction of lost and unaccounted for natural gas, both historically and expected/anticipated during the planning horizon; and

[The analysis of lost and unaccounted for natural gas should include a historical depiction and current and planned remedies to minimize losses during the planning horizon period.]

G. Demand-side management (DSM), efficiency and conservation options.

[Discussion and presentation of the options should include:

- i. Description of the DSM and energy efficiency programs offered by the utility;*
- ii. Description of the cost/benefit analyses and results utilized to assess the current DSM programs, including administrative and other costs along with discussion of those costs;*
- iii. Actual and projected energy savings resulting from the programs, including explanations of the calculations of the energy savings as well as the derivation and description of the amount of actual and projected energy savings relative to the projected gas cost;*
- iv. Discussion regarding how the DSM and efficiency program analysis is incorporated into the IRP modeling or results of the plan; and*
- v. Any DSM or efficiency programs the utility expects to institute in the future as well as the expected timing and benefits of such programs.]*