

## **Cascade Natural Gas Corporation 2014 IRP Work Plan**

Cascade Natural Gas Corporation's ("Cascade" or "the Company") Work Plan for its 2014 Integrated Resource Plan ("IRP") is filed pursuant to the Washington Utilities and Transportation Commission (WUTC) IRP rules (WAC 480-90-238).

### **Purpose of the Integrated Resource Plan/Key Issues for 2014 IRP**

The primary purpose of Cascade's long-term resource planning process has been, and continues to be, to inform and guide the Company's resource acquisition processes, consistent with the rule (WAC 480-90-238). Input and feedback from the Company's Technical Advisory Group (TAG) will continue to be an important resource to help ensure Cascade's IRP is developed from a broader perspective than Cascade could have on its own.

In order to complete a more robust demand forecast and capacity analysis the Company has undertaken a near total reconfiguration of the SENDOUT resource optimization model, which is a highly complex and time consuming process. The focus of this modified configuration is to develop the forecast and resource modeling at the city gate level, as opposed to the zonal and state levels used in our most recent IRPs. At the city gate level, the Company will be able to perform more detailed analysis, allowing Cascade to better identify specific locales where shortfalls may exist. This more detailed analysis will better inform all stakeholders, allowing for a more robust discussion during the public process on how best to address specific capacity needs or determine what alternative resources may be needed to meet long term demand. Given the complexity of this work Cascade will be formally request an extension to the IRP from the WUTC. However, in the absence of an extension, we have attempted to develop a schedule to meet the December 15, 2014 deadline.

### **Outline of IRP Content:**

The following is an outline of the Company's 2014 IRP plan. Organizational structure of the final IRP may be revised based on results of analysis and feedback received through the planning process.

- I. Executive Summary
- II. Introduction & Planning Overview
- III. Demand Forecast
- IV. Distribution System Enhancements
- V. Demand Side Resources
- VI. Supply Side Resources
- VII. Resource Integration
- VIII. Two-Year Action Plan
- IX. Appendices

### **2014 IRP Timeline**

The following is Cascade's tentative 2014 IRP timeline:

- Request permission from WUTC to extend current IRP deadline to late 2015 (late December 2013).
- Develop Demand Forecast: January through March 2014
- Distribution System Planning Analysis: March through April 2014
- Demand Side Resource Analysis: January through September 2014
- Gas Supply Analysis: January through September 2014
- Integration of Supply and Conservation Resources: April through September 2014
- Public Process: Technical Advisory Group Meetings (tentative dates)
  - TAG 1: Process, Key Assumptions, IRP Team, Timeline, Highlights of 2011 IRP, Latest Economic Indicators, Price Forecast and Demand Forecast (May 15, 2014)
  - TAG 2: Conservation, Avoided Costs, Distribution Enhancements (June 19, 2014)
  - TAG 3: Supply Resources, Transport Issues, Alternative Resources, Update on 2 Year Plan (July 24, 2014)
  - TAG 4: Preliminary Resource Integration Results, Proposed new 2 year Plan (August 28, 2014)

## **Cascade Natural Gas Corporation 2014 IRP Work Plan**

- File Draft 2014 IRP: (September 26, 2014)
- Comments due on draft (October 27, 2014)
- TAG 5 (if needed) (November 10, 2014)
- Final 2014 IRP Filed: December 12, 2014

### Planning Assumptions

Information needed to perform analysis will be gathered and input assumptions developed by late June 2014. This will include detailed definitions of alternative scenarios and all primary input assumptions for demand forecasting and resource modeling. Additional planning information will be assimilated into the analytical process and planning information that is not incorporated into the modeling process will continue to be assessed.

### Resource Analysis:

Natural gas analysis will include long-term optimization and stochastic analysis under the same planning scenarios, including natural gas energy efficiency and supply alternatives.

### Draft 2014 IRP and Review Period:

Cascade is planning to have its IRP draft plan distributed for initial feedback to the group members September 26, 2014. Given Cascade's commitment to facilitate and communicate with members of the Technical Advisory Group, the draft IRP content and its key assumptions will be discussed with the Technical Advisory Group during the TAG sessions. Any feedback is due to the Company by October 27, 2014 to give the Company sufficient time to incorporate such feedback as needed into the final plan.

### Final 2014 IRP Filed December 12, 2014

**Cascade Natural Gas Corporation  
2014 IRP Work Plan  
2014 Integrated Resource Plan Timeline**

2013	2014											
December	January	February	March	April	May	June	July	August	September	October	November	December
File Work Plan with WUTC	Develop Demand Forecast					Distribution System Planning			Review draft IRP	Comments due	Revisions	12/12 Submit Final IRP
	Demand Side Resource Analysis											
	Gas Supply Resource Analysis											
						Resource Integration						
					TAG 1	TAG 2	TAG 3	TAG 4				

Tentative Date	Topic	Likely Location
Thursday, May 15, 2014	TAG 1: Process, Key Assumptions (IRP Team, Timeline, Highlights of 2011 IRP, Latest Economic Indicators, Price Forecast and Demand Forecast)	SeaTac Airport Conference Center
Thursday, June 19, 2014	TAG 2: Conservation, Avoided Costs, Distribution Enhancements	CNGC Headquarters, Kennewick WA
Thursday, July 24, 2014	TAG 3: Supply Resources, Transport Issues, Alternative Resources, Update on 2 Year Plan	SeaTac Airport Conference Center
Thursday, August 28, 2014	TAG 4: Preliminary Resource Integration Results, Proposed new 2 year Plan	SeaTac Airport Conference Center
Friday, September 26, 2014	Draft IRP distributed	
Monday, October 27, 2014	Comments due on draft	
Monday, November 10, 2014	TAG 5: If Needed	SeaTac Airport Conference Center
Friday, December 05, 2014	Final IRP goes to press	
Monday, December 15, 2014	IRP filing	