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December 11, 2017

Washington Utilities & Transportation Commission
Mr. Steven King, Executive Director & Secretary
P.O. Box 47250
Olympia, WA 98504-7250

RE: Cascade Natural Gas Corporation 2018 Integrated Resource Plan

Dear Mr. King:

Pursuant to WAC 480-90-238, enclosed for filing is Cascade Natural Gas Corporation's Work Plan for its 2018 Integrated Resource Plan (IRP or Plan). This document provides an outline of the content for the Plan, the timing of the plan development, the method for assessing potential resources, and the internal IRP team.

If there are any questions regarding this matter, please contact Brian Robertson at (509) 734-4546 or myself at (509) 734-4589. Alternatively, we may be reached at brian.robertson@cngc.com and mark.sellers-vaughn@cngc.com.

Sincerely,
CASCADENATURAL GAS CORPORATION

Mark Sellers-Vaughn
Manager, Supply Resource Planning

Enclosures

Cascade Natural Gas Corporation's ("Cascade" or "the Company") Work Plan for its 2018 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 2018 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.

Outline of IRP Content:

The following is an outline of the Company's 2018 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. Company Overview
- III. Demand Forecast
- IV. Supply Side Resources
- V. Avoided Costs
- VI. Demand Side Management, Clean Air Rule (CAR), and Environmental Policy
- VII. Resource Integration
- VIII. Distribution System Planning
- IX. Stakeholder Engagement
- X. Two-year Action Plan
- XI. Appendices

2018 IRP Timeline

The following is Cascade's tentative 2018 IRP timeline (we anticipate all meetings will be held at Seattle-Tacoma International Airport Conference Center):

- Develop Demand Forecast: February through April 2018
- Distribution System Planning Analysis: May through August 2018
- Demand Side Resource Analysis: May through September 2018
- Gas Supply Analysis: May through August 2018
- Integration of Supply and Conservation Resources: May through September 2018
- Public Process: Technical Advisory Group Meetings (tentative dates)
 - TAG 1: Process, Key Points, IRP Team, Timeline, Regional Market Outlook, Plan for dealing with issues raised in 2016 IRP, C.A.R. (March 2018)
 - TAG 2: Demand and Customer Forecast and Non-Core Outlook, Drilling down into segments of demand forecast. NWP/GTN Present Demand Taps. (May 2018)
 - TAG 3: Distribution System Planning, Planned Scenarios and Sensitivities, Alternative Resources, Price Forecast, Avoided Costs. Current Supply Resources, Transport Issues. (July 2018)
 - TAG 4: Carbon Impacts, Conservation, Bio-Natural Gas, Preliminary Resource Integration Results, Proposed new 2-year Plan. (August 2018)
 - TAG 5: Final Integration Results, finalization of plan components (September 2018)
- File Draft 2018 IRP: (October 2018)
- Comments due on draft (November 2018)
 - TAG 6 (if needed) (November 2018)
- Final 2018 IRP Filed: on or before December 14, 2018

Planning Assumptions

Information needed to perform analysis will be gathered and input assumptions developed throughout Spring and early Summer 2018. 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.

*In the Community to Serve**

Date	Process Element	Location (Subject to change)
Thursday, March 15, 2018	TAG 1: Process, Key Points, IRP Team, Timeline, Regional Market Outlook, Plan for dealing with issues raised in 2016 IRP, C.A.R.	Seattle-Tacoma International Airport Conference Center 9am-12pm
Wednesday, May 23, 2018	TAG 2: Demand and Customer Forecast and Non-Core Outlook, Drilling down into segments of demand forecast. NWP/GTN Present Demand Taps.	Seattle-Tacoma International Airport Conference Center 9am-12pm
Thursday, May 31, 2018	2016 WA IRP 3rd Quarterly Update Filed	
Thursday, July 12, 2018	TAG 3: Distribution System Planning, Planned Scenarios and Sensitivities, Alternative Resources, Price Forecast, Avoided Costs. Current Supply Resources, Transport Issues.	Seattle-Tacoma International Airport Conference Center 9am-12pm
Thursday, August 16, 2018	TAG 4 Carbon Impacts, Conservation, Bio-Natural Gas, Preliminary Resource Integration Results, Proposed new 2-year Plan.	Seattle-Tacoma International Airport Conference Center 9am-3pm
Tuesday, September 18, 2018	TAG 5: Final Integration Results, finalization of plan components.	Seattle-Tacoma International Airport Conference Center 9am-12pm
Friday, October 5, 2018	Draft of 2018 IRP distributed	
Friday, November 2, 2018	Comments due on draft from all stakeholders	
Wednesday, November 14, 2018	TAG 6, if needed	WebEx Only
Friday, December 14, 2018	IRP filing in Washington	

INTERNAL TEAM MEMBERS OF CNGC'S INTEGRATED RESOURCE PLAN:

LAST NAME	FIRST NAME	TITLE	COMPANY	ROLE IN IRP
Abrahamson	Jim	Manager, Conservation Policy	Cascade	DSM and Conservation Measures analysis, Avoided Costs Calculations (45-yr resource cost effectiveness)
Archer	Pam	Supervisor, Regulatory Affairs	Cascade	Edit assists & miscellaneous IRP support
Bolton	Chris	Engineering II, Engineering	Cascade	Distribution System Enhancements, Distribution System Planning (Reinforcement Projects charts), forecast participant
Burin	Kary	Supervisor, Conservation	Cascade	Conservation Measures, Avoided Costs Calculations 45- yr resource cost effectiveness)
Chiles	Mark	Vice President, Customer Service and Regulatory Affairs	Intermountain	Regulatory, insights, consulting manager of IRP process; Executive summary
Cooley	John	Manager, Industrial Services	Cascade	Insights regarding industrial customer base and their issues relevant to the IRP
Cowlisha	Monica	Manager, Conservation Programs	Cascade	Responsible manager for DSM, Conservation Measures, Avoided Costs Calculations 45- yr resource cost effectiveness)
Cunnington	Brian	Manager, Industrial Services	Cascade	Insights regarding industrial customer base and their issues relevant to the IRP
Davis	Ashton	Resource Planning Analyst, Gas Supply	Cascade	Principle forecast participant and analysis (SENDOUT utilization); resource integration, Demand Forecast Model Escalation Rates (economic indicators, demand charts & tables), Miscellaneous IRP Support
Folsom	Bruce	Consultant	Bruce W Folsom Consulting LLC	Consultant to Cascade's IRP
Gross	Jennifer	Regulatory Analyst IV, Regulatory Affairs	Cascade	Edit assists & miscellaneous IRP support
Krebsbach	Abbie	Director, Environmental	MDU	Contributor to Environment Policy
Martuscelli	Eric	Vice President, Operations	Cascade	Executive

McGreal	Devin	Resource Planning Analyst, Gas Supply	Cascade	Principle forecast participant and analysis (SENDOUT utilization); resource integration, Demand Forecast Model Escalation Rates (economic indicators, demand charts & tables), Miscellaneous IRP Support
Mellinger	Becky	Financial Analyst	Cascade	Finance perspective, forecast participant
Morman	Bob	Director, Gas Supply Utility Group	MDU	Responsible senior utility group manager of IRP process; Executive summary
Ogden	Jeremy	Director, Engineering	Cascade	Distribution System Enhancements, Distribution System Planning (Reinforcement Projects charts), forecast participant
Parvinen	Mike	Director, Regulatory Affairs	Cascade	Regulatory, insights, consulting manager of IRP process; Executive summary
Robbins	Chris	Manager, Gas Supply and Control-CNGC/IGC	Cascade/Intermountain	Gas supply, transportation, storage, capacity requirements. Forecast participant
Robertson	Brian	Sr Resource Planning Analyst, Gas Supply	Cascade	Principle forecast participant and analysis (SENDOUT utilization); resource integration, Demand Forecast Model Escalation Rates (economic indicators, demand charts & tables), Miscellaneous IRP Support
Sargent	Amanda	Conservation Analyst	Intermountain	Conservation Measures and programs, Avoided Costs Calculations, forecast participant
Sellers-Vaughn	Mark	Manager, Supply Resource Planning	Cascade	Project manager and facilitator of IRP processes (involving planning, forecast, DSM, resources, integration, optimization, Monte Carlo, SENDOUT optimization organization & analysis, development of capacity, supplies, storage, price forecast associated with IRPs)

Senger	Garret	Executive Vice President, Regulatory, Customer Service, Gas Supply	MDU	Responsible senior utility group manager of IRP process; Executive summary
Spector	Allison	Manager, Conservation Policy	Cascade	Responsible manager for Conservation Policy
Stone	Carolyn	Gas Supply Analyst	Cascade	Gas supply, transportation and storage analysis (SENDOUT utilization), Demand Forecast, Supply Resource Alternatives (resource input tables, 20 yr. price forecast), Capacity Requirement and Peak Day Planning (summaries, zonal charts, etc.)
Wood	Eric	Gas Supply Analyst	Cascade	Gas supply, transportation and storage analysis (SENDOUT utilization), Demand Forecast, Supply Resource Alternatives (resource input tables, 20 yr. price forecast), Capacity Requirement and Peak Day Planning (summaries, zonal charts, etc.)