



In the Community to Serve®

Integrated Resource Plan

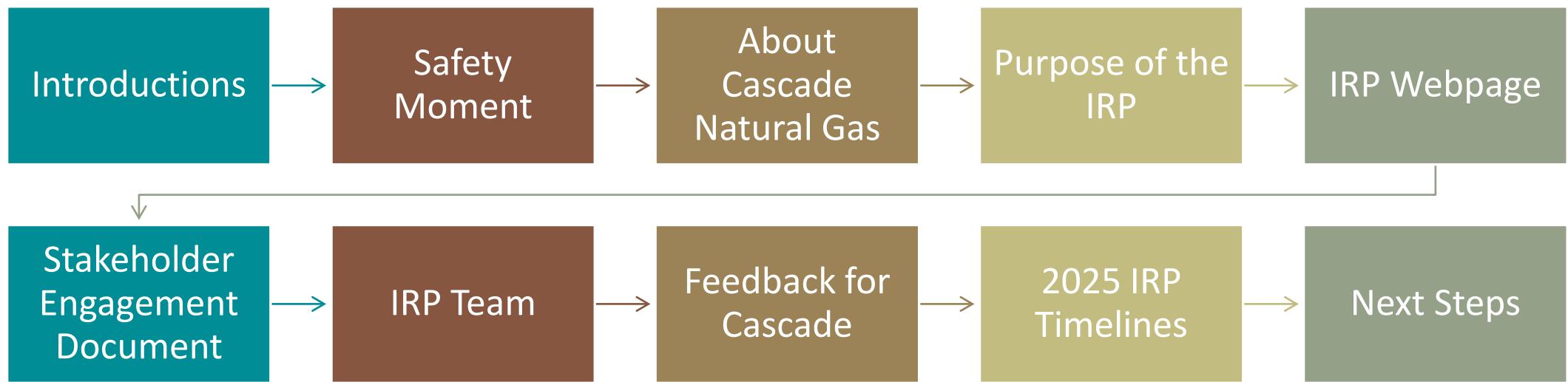
Targeted Technical Advisory Group

Meeting #1

JANUARY 25, 2024

MICROSOFT TEAMS/TELECONFERENCE

Agenda



Safety Moment

Winter Safety – Protecting Yourself from the Cold

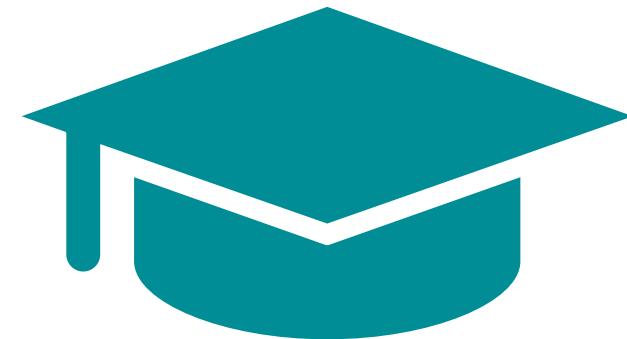
What you wear in winter can make the difference in protecting yourself from the cold and preventing frostbite and hypothermia.

- Keep your head warm with a hat
- Cover mouth with face mask or scarf to protect your lungs
- Outer coat should be tightly woven and water repellent
- Wear several loose-fitting, lightweight warm layers
- Wear mittens; they are warmer than gloves
- Wool socks and waterproof boots keep feet warm



A Little History Lesson...

- Prior to 1955, natural gas was virtually unheard-of in the Pacific Northwest. Seeing an opportunity, Lester Pettit, Spencer Clark, and Stewart Matthews led a group of associates to form a company that would rise to the challenge. Cascade Natural Gas Corporation was incorporated January 2, 1953.
- In July 2007, Cascade was acquired by MDU Resources headquartered in Bismarck, ND.
 - Founded in 1924 as an electric utility.
 - Core businesses are gas & electric utilities, and pipeline.
 - Approximately 11,000 employees, operating in 43 states.
 - Operates four utilities across eight states:
 - Montana-Dakota Utilities Co.
 - Great Plains Natural Gas Co.
 - Cascade Natural Gas Corporation
 - Intermountain Gas Co.



Today We Are...

Cascade serves more than 316,350 customers in 95 communities – 67 of which are in Washington and 28 in Oregon. Cascade's service areas are concentrated in western and central Washington and central and eastern Oregon.

Cascade serves a diverse territory covering more than 32,000 square miles and 700 highway miles from one end of the system to the other. Interstate pipelines transmit Cascade's natural gas from production areas in the Rocky Mountains and western Canada.



Purpose of IRP



IRP Guidelines and Content

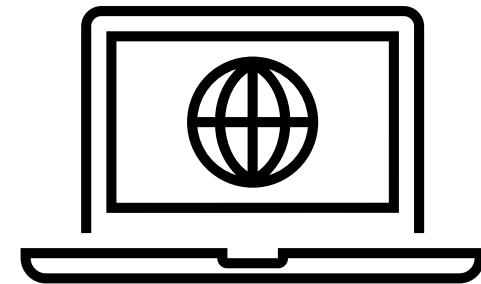
Washington

- IRP Guidelines from WUTC WAC 480-90-238.

Cascade's Basic Philosophy

- 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 process, consistent with state regulatory requirements.
- Input and feedback from the Company's Technical Advisory Group (TAG) is an important resource to help ensure that CNGC's IRP is developed from a broader perspective than Cascade could have on its own.
- As the scope of the IRP continues to expand, Cascade is committed to securing and supporting the appropriate internal and external resources necessary to work with all stakeholders to produce an Integrated Resource Plan that meets the requirements of Washington and Oregon.

IRP Webpage



What, Who, How?

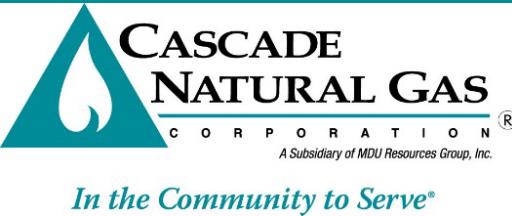
Information on Cascade's IRP can be found on the Company's webpage.

Stakeholder Engagement Design Document

Pre- and Post-IRP Feedback Report

IRP Timeline

Previous IRPs



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WASHINGTON | CASCADE NATURAL GAS | NATURAL GAS – INTEGRATED RESOURCE PLAN

The What: Cascade's Integrated Resource Plan describes the two- to four-year and twenty-year expectation of how Cascade expects to safely serve customers' energy needs at the lowest reasonable and safe cost. The analyses in this 12–18-month process includes existing and potential new pipelines and natural gas supply contracts (among others) as well as benefits of energy efficiency to customers. The IRP provides comprehensive and transparent insight into how Cascade plans for customers' energy future. To view what an IRP looks like, please see Previous Years' IRP at the bottom of the page. The Executive Summary and Key Points are designed to provide a quick, but descriptive, explanation of the process and plan.

The Who: Customers and the general public are invited to participate in a series of meetings on the variety of topics contained in the IRP, including energy efficiency and carbon emission reductions. Together, customers and the general public participating in the IRP process are called Stakeholders. Stakeholders also include the professional analytical staffs of the state utility commissions and groups representing residential and industrial customers. Community-based organizations and independent experts also attend the series of meetings.

How it works: The IRP process begins with a kick-off meeting to lay out the 12-18 month schedule of four to six meetings as well as provide an overview of what issues will be covered. These meetings are called Technical Advisory Group meetings or TAGs. Links are available to the TAG presentations, minutes, and written responses to Stakeholder's requests and comments.

What to expect: Expectations of participants and tips for the best way for Stakeholders (including customers and the general public) are described in Cascade's [Stakeholder Engagement Design Document](#). This is a "living document" and suggestions for improvement are welcome.

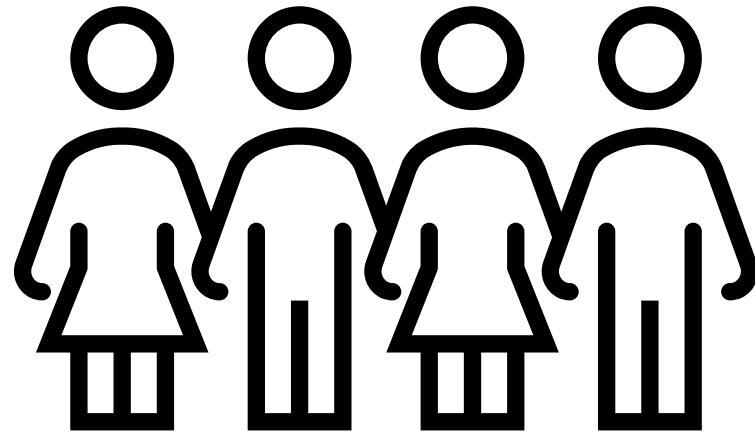
Sign up! Join Cascade's distribution list. You may participate in multiple ways, ranging from attending the TAG meetings (either in-person or remotely) and receiving the agendas/presentations to opportunity to comment. Do so by contacting the Supervisor of Resource Planning, Brian Robertson at either Brian.Robertson@cngc.com or (509) 221-9808. You may also contact the Company's IRP email address at irp@cngc.com. Cascade uses MSTEams as its means to connect participants remotely. MSTEams is a free application to be used by Stakeholders including customers and the general public.

Accommodations: As shown as point #1 on page 2 of the Stakeholder Engagement Design Document, Cascade will provide reasonable accommodations for people with disabilities. Additionally, the Company will reasonably accommodate items such as requests for meeting locations, audio and visual capabilities, and other items requested by external stakeholders. If you have a request for accommodations, please reach out to one of the contacts listed above and the Company will gladly coordinate any reasonable requests for accommodations.

Pre- and Post-IRP feedback report:

[Washington Integrated Resource Plan - Cascade Natural Gas Corporation \(cngc.com\)](#)

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Stakeholder Engagement Document

“Cascade seeks to employ best industry practices and recognizes external participation can add incremental improvements.

Cascade recognizes stakeholders have a multitude of projects before them. This Design Document is intended to assist in optimizing participation by interested parties to yield a solid IRP to the benefit of customers and the Company.”

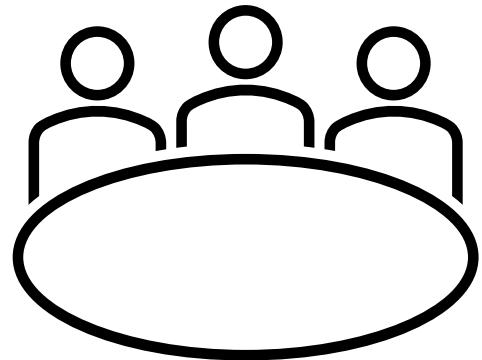


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CASCADE NATURAL GAS STAKEHOLDER ENGAGEMENT DESIGN DOCUMENT

Abstract

This document contains the rational, assumptions, and explanation behind the Stakeholder Engagement process of Cascade's IRP Process



IRP Team

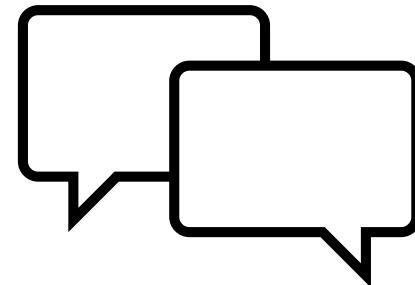
LAST NAME	FIRST NAME	TITLE	COMPANY
Blattner	Lori	Director, Regulatory Affairs	Cascade/Intermountain
Burin	Kary	Supervisor, Conservation	Cascade
Campbell	Kathleen	Senior Engineer	MDU
Chiles	Mark	Vice President, Customer Service and Regulatory Affairs	Intermountain
Darras	Patrick	Vice President, Engineer & Operations Services	MDU
De Boer	Jenny	Resource Planning Economist I	Cascade
Folsom	Bruce	Consultant	Bruce W Folsom Consulting LLC
Forrester	Gabe	Manager, Environmental Compliance and Sustainability	Cascade
Goodman	Chad	Enterprise Endpoint Administrator, Associate	MDU
Hodges	Becky	Financial Analyst IV	Cascade
Hoyle	Brian	Financial Analyst II	Cascade
Krebsbach	Abbie	Director, Environmental	MDU
Madison	Scott	Executive Vice President, Business Development and Gas Supply	MDU
Marek	Chanda	Director, Business Development and Energy Services	Cascade

INTERNAL TEAM MEMBERS OF CNGC'S INTEGRATED RESOURCE PLAN

LAST NAME	FIRST NAME	TITLE	COMPANY
McGreal	Devin	Renewable Resources Manager	Cascade
Nishikawa	Russ	Manager, Engineering Services	MDU
Nygard	Tammy	Controller	MDU
Ortiz	Noemi	Manager Energy Efficiency Programs	Cascade
Parvinen	Mike	Manager, Regulatory Affairs II	Cascade
Reimer	Caleb	Manager Energy Efficiency Programs	Cascade
Robbins	Chris	Director, Gas Supply	Cascade/ Intermountain
Robertson	Brian	Manager, Supply Resource Planning	Cascade
Sellers-Vaughn	Mark	Upstream Resources & Special Projects Manager	Cascade
Senger	Garret	Chief Utilities Officer	MDU
Sowards	Zachary	Engineer III	MDU
Spector	Alyn	Manager, External Affairs	Cascade
Steeves	Bailey	Resource Planning Economist I	Cascade
Stone	Carolyn	Gas Supply Analyst III	Cascade
Wood	Eric	Manager, Gas Supply	Cascade/ Intermountain

INTERNAL TEAM MEMBERS OF CNGC'S INTEGRATED RESOURCE PLAN

Feedback for Cascade



How can Cascade make IRPs more accessible?

What are the barriers for people to join TAG meetings?

What are the barriers for people to participate in the IRP Process?

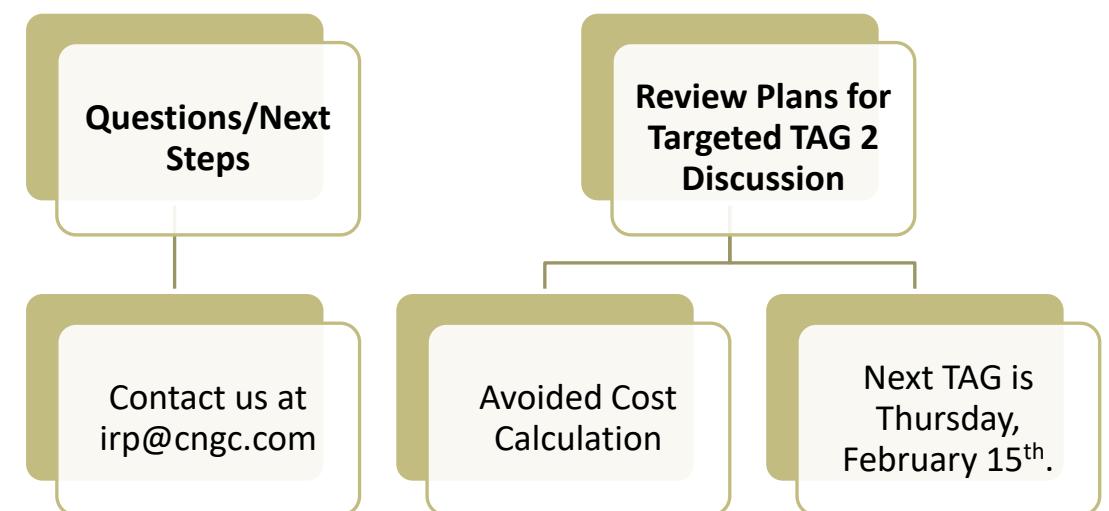
Process Item	Date	Process Element
Targeted-TAG	Thursday, January 25, 2024	What is an IRP and how to get involved
Targeted-TAG	Thursday, February 15, 2024	Avoided Cost
Targeted-TAG	Wednesday, March 6, 2024	Energy Efficiency
Targeted-TAG	Thursday, March 28, 2024	Equity in the IRP
Targeted-TAG	Thursday, April 11, 2024	Distribution System Planning
Targeted-TAG	Thursday, April 25, 2024	CCA/Compliance Modeling
Targeted-TAG	Thursday, May 16, 2024	Customer/Load Forecast
Targeted-TAG	Friday, May 31, 2024	Resource Integration
TAG 1	Thursday, June 13, 2024	Process, Key Points, IRP Team, Timeline, Regional Market Outlook, Planned Scenarios and Sensitivities, Stakeholder Engagement, Demand and Customer Forecast and Non-Core Outlook, Drilling down into segments of demand forecast. Upstream Pipeline presentation.
Receive feedback on TAG 1	Friday, June 28, 2024	
TAG 2	Thursday, July 25, 2024	Respond to TAG 1 Feedback, Distribution System Planning, Alternative Resources, Price Forecast, Avoided Costs, Current Supply Resources, Transport Issues, Carbon Impacts, Energy Efficiency, Bio-Natural Gas, Preliminary Resource Integration Results.
Receive feedback on TAG 2	Friday, August 9, 2024	
First Draft	Friday, September 6, 2024	
Comments Due	Friday, October 4, 2024	
TAG 3	Wednesday, October 30, 2024	Respond to TAG 2 feedback, Final Integration Results, finalization of plan components, Proposed new 2- to 4-year Action Plan
Final Draft	Tuesday, December 3, 2024	
Comments Due	Tuesday, January 14, 2025	
TAG 4 (if needed)	Thursday, January 30, 2025	
Final Complete By	Friday, February 14, 2025	
File	Monday, February 24, 2025	



2025 WA IRP Schedule



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Integrated Resource Plan

Targeted Technical Advisory Group

Meeting #1

JANUARY 25, 2024

MICROSOFT TEAMS/TELECONFERENCE