



In the Community to Serve®

Washington Integrated Resource Plan Targeted Technical Advisory Group Meeting #4

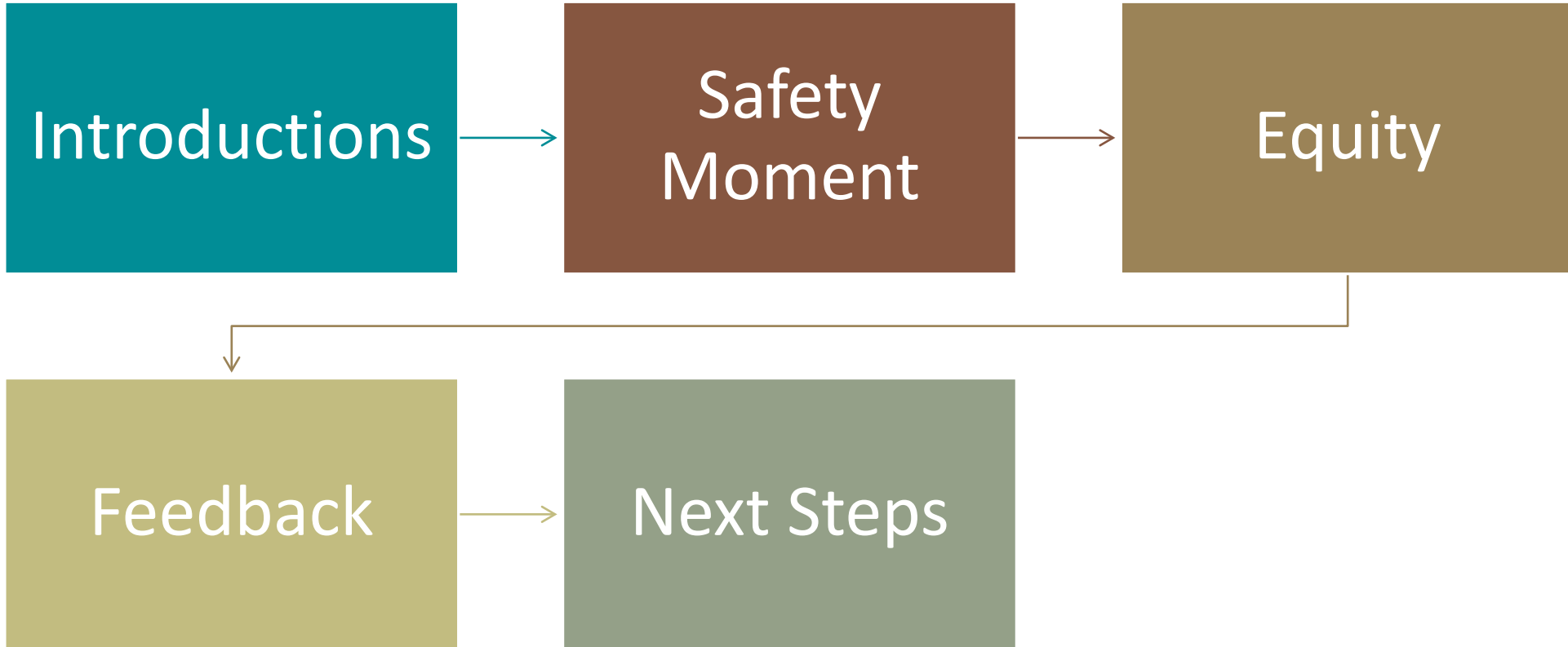
MARCH 28, 2024

MICROSOFT TEAMS/TELECONFERENCE



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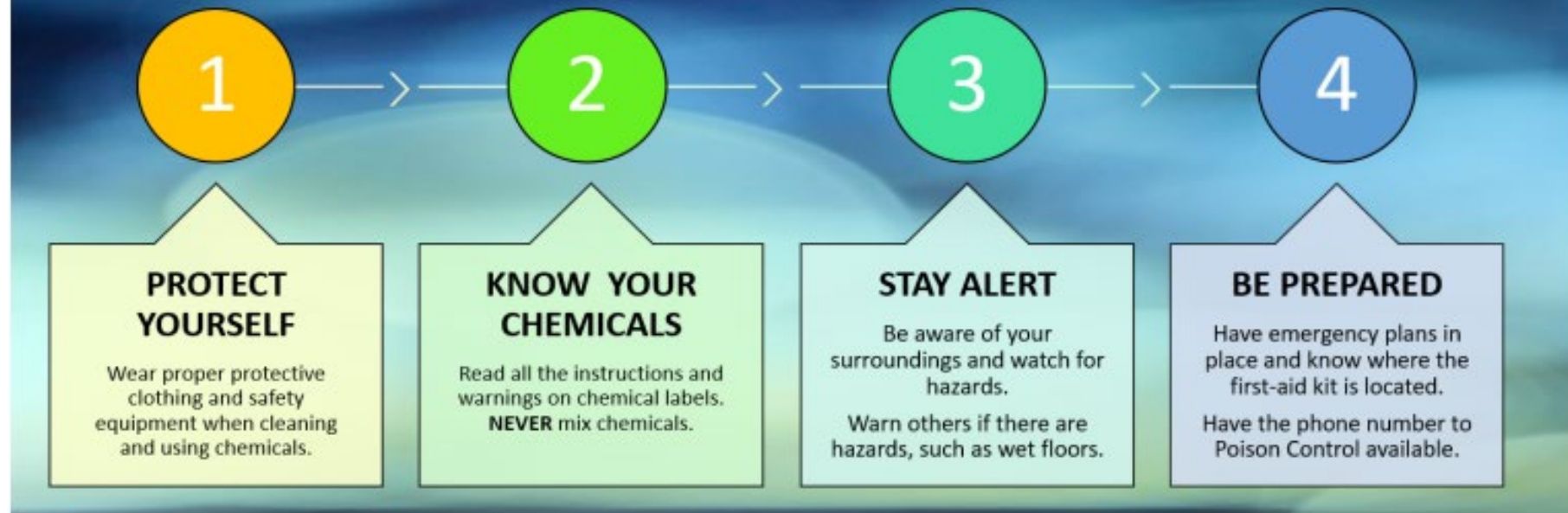
Agenda



Safety Moment

Careful Cleaning

Keeping our homes and workspaces clean and tidy can come with hazards. Staying safe while keeping your spaces clean can be done by following a few simple steps:



Equity

What is Equity?

Equity in the energy sector tries to achieve energy justice by:

- Addressing disparities so that everyone has a fair opportunity to benefit from natural gas service or utility programs
- Remediating social, economic, and health burdens faced by marginalized communities
- Including affected communities in the decision-making process for energy policies, project and infrastructure

Rate Case Order 09 in UG-210755

The Legislature established the Washington Office of equity, which set out the following principle of equity:

- Equity requires developing, strengthening, and supporting policies and procedures that distribute and prioritize resources to those who have been historically and currently marginalized, including tribes;
- Equity requires the elimination of systemic barriers that have been deeply entrenched in systems of inequality and oppression; and
- Equity achieves procedural and outcome fairness, promoting dignity, honor, and respect for all people

What is Energy Justice?

The four tenets of Energy Justice are:

Recognition Justice

Procedural Justice

Distributional Justice

Restorative Justice

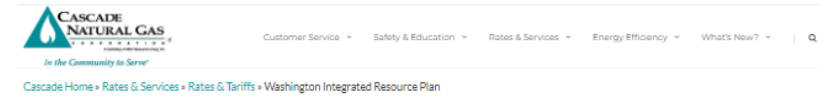


Specific Examples of Energy Justice

Procedural Justice

- Post IRP meetings, materials, and recordings online
- Cascade is working towards having all posted pdfs translated into Spanish

 <https://www.cngc.com/rates-services/rates-tariffs/washington-integrated-resource-plan/>



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 MStTeams as its means to connect participants remotely. MStTeams 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](#)

IRP Public Process Timeline:
2025 IRP Targeted-TAG #1 – Thursday, January 25, 2024
Microsoft Teams Only – 9 AM PST to 10 AM PST
What is an IRP and how to get involved

- [Targeted TAG 1 Presentation](#)
- [Targeted TAG 1 Minutes](#)
- [Targeted TAG 1 Video Recording](#)



2025 IRP Targeted-TAG #2 – Thursday, February 15, 2024
Microsoft Teams Only – 9 AM PST to 10 AM PST
Avoided Cost

- [Targeted TAG 2 Presentation](#)
- [Targeted TAG 2 Minutes](#)
- [Targeted TAG 2 Video Recording](#)



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Specific Examples of Energy Justice

Procedural Justice

- Customer communications on the IRP Process will be through multiple communication channels and in multiple languages
- As recommended by Equity Advisory Group
- Hold a meeting(s) in the community
 - Based on feedback the from Equity Advisory Group, Cascade may partner with other scheduled community meetings
 - Cascade will provide childcare and food, and will have a Spanish translator present at the meeting

INTEGRATED RESOURCE STAKEHOLDER GROUP

Interested in Cascade's Future Plans?
Want to Provide Feedback to Those Plans?
JOIN CASCADE'S INTEGRATED RESOURCE PLAN STAKEHOLDER GROUP!
Anyone Can Join! For Further Information, or to Join, Please Visit:
<https://www.cng.com/future-services/irp-ia/irp-ia-integrated-resource-plan/>

CASCADE'S INTEGRATED RESOURCE PLAN

WHAT IS IT? Cascade's Integrated Resource Plan describes the next year, four-year, and twenty-year regional energy needs at the lowest economic and carbon cost. The analysis in this 12-18-month process includes examination of existing and potential new pipelines and natural gas supply contracts (among others), consider emerging policies and regulations, as well as benefits of energy efficiency to customers. The IRP provides a comprehensive and transparent insight into how Cascade plans for customer energy needs.

WHY IS IT IMPORTANT? 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 staff, utility state safety examiners and groups representing residential and industrial customers. Community-based organizations and independent experts also attend the series of meetings.

HOW CAN I JOIN? Cascade's distribution fee. You may participate in multiple ways, ranging from attending meetings either in person or remotely, reviewing the agenda/presentations, or having the opportunity to comment. Scan the QR code for more information!

Scan the QR code with a mobile device to open the web page.

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GRUPO DE PARTES INTERESADAS DE RECURSOS INTEGRADOS

¿Interesado en los planes futuros de Cascade?
¿Desea proporcionar comentarios sobre esos planes?
¡ÚNASE AL GRUPO DE PARTES INTERESADAS DEL PLAN INTEGRADO DE RECURSOS DE CASCADE!
¡Cualquiera puede unirse! Para obtener más información o para unirse, visita:
<https://www.cng.com/future-services/irp-ia/irp-ia-integrated-resource-plan/>

PLAN INTEGRADO DE RECURSOS DE CASCADE

¿QUÉ ES? El Plan de Recursos Integrados de Cascade describe las necesidades a diez, cuatro y veinte años de cómo Cascade espera satisfacer de manera segura las necesidades energéticas de los clientes al costo más bajo, razonable y seguro. Los análisis en este proceso de 12 a 18 meses incluyen el examen de nuevas gasoductos existentes y potenciales y análisis de suministro de gas natural (entre otros), considerar políticas y regulaciones emergentes, así como los beneficios de la eficiencia energética para los clientes. El IRP proporciona un análisis integral y transparente información sobre cómo Cascade planifica el futuro energético de sus clientes.

¿POR QUÉ ES IMPORTANTE? Los clientes y el público en general están invitados a participar en una serie de reuniones sobre una variedad de temas, incluyendo la eficiencia energética y la reducción de emisiones de carbono. Juntos, los clientes y el público en general que participan en el proceso del IRP se denominan "Partes Interesadas." Las partes interesadas también incluyen al personal analítico profesional de las compañías estatales de servicios públicos y los grupos que representan a clientes residenciales e industriales. A la serie de reuniones también asisten organizaciones comunitarias y expertos independientes.

¿CÓMO PUEDO UNIRME? Usted o la familia de distribución de Cascade. Puede participar de múltiples maneras, desde asistir a reuniones en persona o de forma remota, revisar los agenda/presentaciones hasta tener la oportunidad de comentar. ¡Visita el código QR para más información!

Scan the QR code with a mobile device to open the web page.

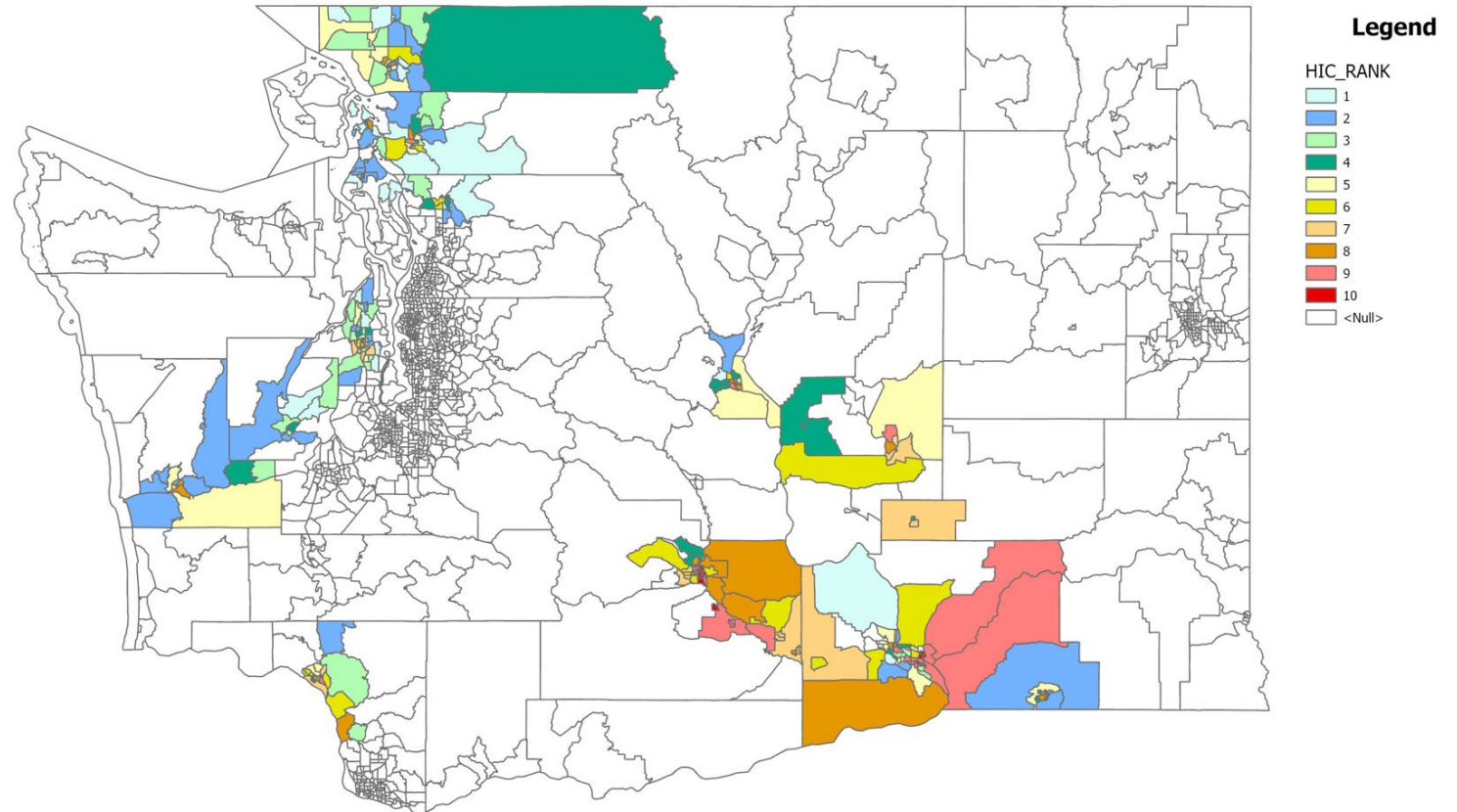
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Specific Examples of Energy Justice

Recognition Justice

- Map highly impacted communities

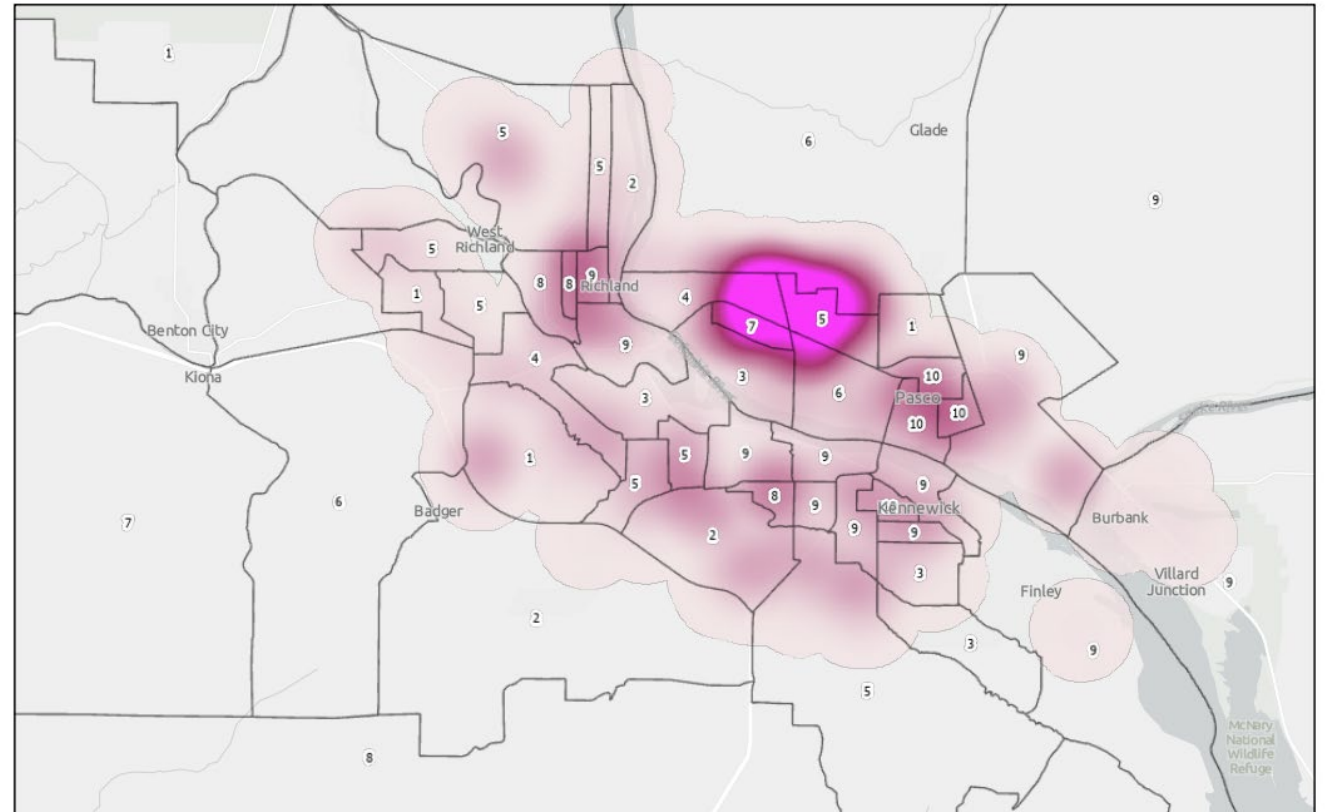


Specific Examples of Energy Justice

Recognition Justice

- Merge highly impacted community data with billing data (arrears, program participation, disconnection for nonpayment, etc.)

Tri-Cities Late Pay Heat Map



3/14/2024, 4:47:12 PM

□ HIC Rank Areas

1:288,895

0 1.75 3.5 7 mi
0 2.75 5.5 11 km

City of Kennewick, City of Pasco, Oregon State Parks, State of Oregon GEO, WA State Parks GIS, Esri, TomTom, Garmin, SafeGraph, METI/NASA.

Specific Examples of Energy Justice

Recognition Justice

- Map the areas most likely to have low-income residents based on Cascade's Low-Income Propensity Model

TRI-CITY LOW INCOME PROBABILITY DENSITY MAP - FEB 15 2024



Specific Examples of Energy Justice

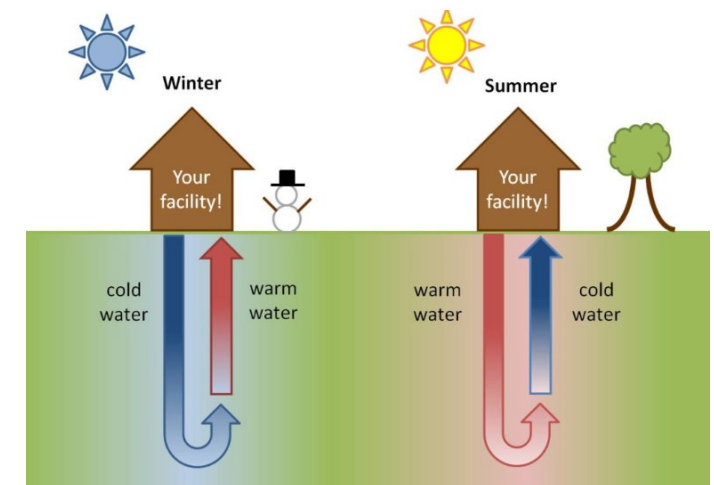
Distributional Justice

- Develop cost benefit analyses for projects measuring costs and benefits for highly impacted communities



Specific Examples of Energy Justice Restorative Justice

- The Cascade Arrearage Relief and Energy Savings program (CARES) alleviates energy burden for low-income customers
- Enhanced targeted conservation programs
- Pilot decarbonization programs that would encourage businesses to stay in the communities for jobs and economic health
- Pilot projects such as community geothermal projects for residential heating and cooling or residential and commercial hybrid heating systems



What has Cascade done to make Energy Justice part of its daily operations?

2022

- Procured a low income needs assessment study
- Hired a full-time employee to oversee equity

**Cascade Natural Gas Corporation:
Low-Income Rate Analysis
for Washington**

Prepared for:
Cascade Natural Gas Corporation

Prepared by:
*Forefront Economics Inc
H. Gil Peach & Associates, LLC*

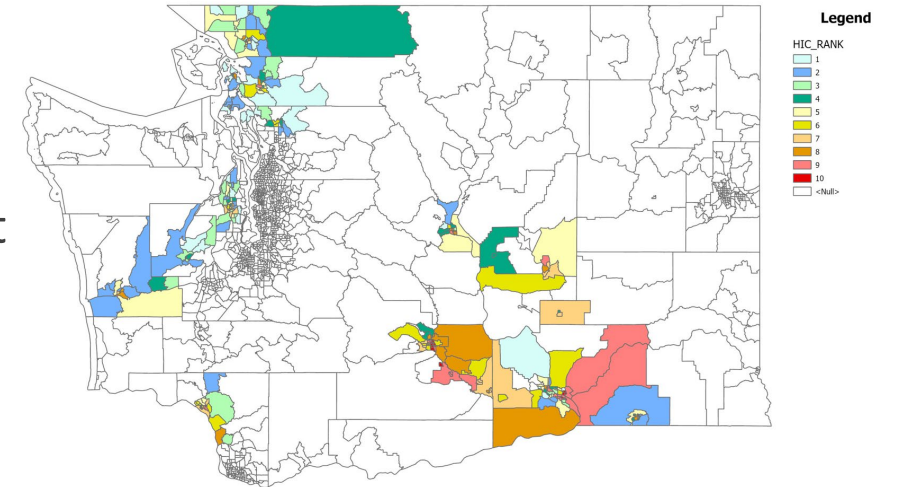
with contributions from:
*Mark E. Thompson
H. Gil Peach*

May 31, 2022

What has Cascade done to make Energy Justice part of its daily operations?

2023

- Mapped Cascade's Highly Impacted Communities
- Merged Highly Impacted Community data with billing data to identify correlations and trends which may point to inequities
- Mapped the census tracts most apt to be low-income per our Low-Income Propensity Model



What has Cascade done to make Energy Justice part of its daily operations?

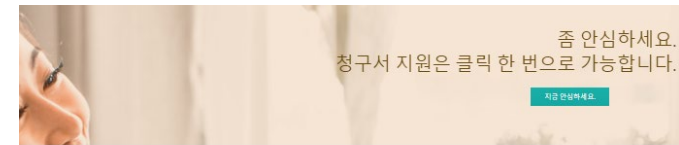
2023

- Established an Equity Advisory Group
 - Comprised of seven members living in and representing different vulnerable populations
 - Monthly meetings on regulatory proceedings, filings, Company outreach, and planning

What has Cascade done to make Energy Justice part of its daily operations?

2023

- Improved accessibility of customer communications for linguistically isolated customers
 - Access to customer communications in multiple languages
 - Improved readability of translations
 - Working on providing all pdfs posted on cngc.com in both English and Spanish



나의 계정 지불 옵션 EBILL에 가입

워싱턴 기후 협약법(CCA)에 관한 중요한 메시지

WA 기후 공약법으로 인해 대부분의 고객은 1년 2024년 XNUMX일부의 청구서에 새로운 WA 기후별 수수료 및 새로운 WA 기후별 코퍼레이트가 표시될 수 있습니다. 자세한 내용은 여기를 클릭하십시오.

CASCADE NATURAL은 환경 불평등의 기후 변화 프로그램에 도전하는 소송에서 다음 요건을 전면 가스 유틸리티와 합류했습니다. 자세한 내용을 보려면 여기를 클릭하십시오.

부동산 소유자 및 집주인을 위한 부동산 포털

온라인에서 지속적 서비스 계약에 대한 세부 정보보고 변경을 요청하십시오. 포털을 통해 다음 온라인 작업을 사용할 수 있습니다.

- 지속적 서비스 계약에서 속성 추가 또는 제거
- 기존 속성의 서비스 상태 확인
- 주소의 서비스가 귀하의 이용으로 되어 있는지 또는 세일즈의 이용으로 되어 있는지 확인

부동산 포털

Earn your biggest cash back reward yet!

NEW REBATE OFFERINGS

Cascade has high-efficiency incentives* for residential and commercial customers. Click to start saving today.



What has Cascade done to make Energy Justice part of its daily operations?

2023

- Improved bill pay assistance by offering a bill discount and arrearage relief program (CARES)
 - CARES program designed in collaboration with the Company's Advisory Group
 - Piloting the use of community-based organization for outreach to hard-to reach populations



What will Cascade be doing to make Energy Justice part of its daily operations?

2024

- A Vice President equity sponsor will oversee the integration of equity
- Create a benefit cost analysis template for projects
 - Collaborate with the Equity Advisory Group on its development
 - Integrate use of the benefit cost analysis template for company projects

What will Cascade be doing to make Energy Justice part of its daily operations?

2024

- Continue engagement with the Washington Equity Advisory Group
 - Discuss the multi-year rate plan, IRP, Climate Commitment Act, potential pilot projects
- Establish the Oregon Equity Advisory Group
 - Identify vulnerable populations
 - Solicit then choose community representatives
 - Establish regular meetings to begin collaboration

What will Cascade be doing to make Energy Justice part of its daily operations?

2024

- Continued engagement
 - Technical Advisory Group
 - CARES Advisory Group
 - Conservation Advisory Group





When will we be done?

- Adopting an equity lens is an ongoing process
- The process requires ongoing collaboration

Feedback for Cascade?

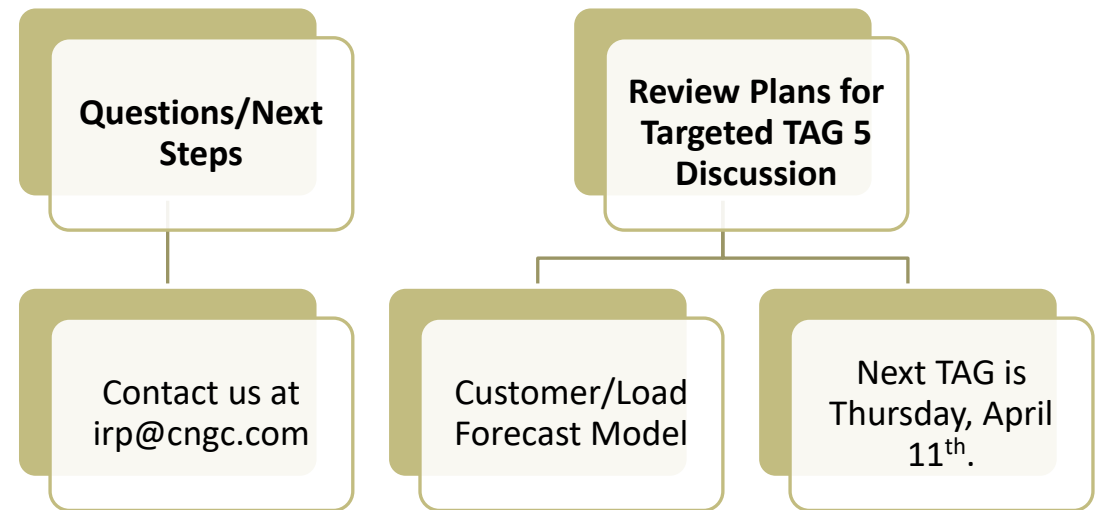
Do you have comments or ideas that Cascade should consider regarding Equity?

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	Customer/Load Forecast
Targeted-TAG	Tuesday, May 7, 2024	CCA/Compliance Modeling
Targeted-TAG	Thursday, May 16, 2024	Distribution System Planning
Targeted-TAG	Thursday, May 30, 2024	Resource Integration
		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.
TAG 1	Thursday, June 13, 2024	Upstream Pipeline presentation.
Receive feedback on TAG 1	Friday, June 28, 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.
TAG 2	Thursday, July 25, 2024	
Receive feedback on TAG 2	Friday, August 9, 2024	
First Draft	Friday, September 6, 2024	
Comments Due	Friday, October 4, 2024	
		Respond to TAG 2 feedback, Final Integration Results, finalization of plan components, Proposed new 2- to 4-year
TAG 3	Wednesday, October 30, 2024	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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MARCH 28, 2024

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