

Equity Advisory Group Meeting

October 20, 2025

5 p.m. – 7 p.m.



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Welcome and Introductions

Ishmael Nuñez, Uncommon Bridges
Facilitator



Safety Moment

Em Piro

Energy Equity Program Manager - Community Partnerships



Safety Moment: Fall Neighborhood Safety

- **Create neighborhood networks**
 - **Do you know** who lives in walking distance who might need extra support during emergencies?
Do neighbors **know you** and your needs?
 - When it is safe to do so, **exchange** contact information
- **DIY navigation safety**
 - Use **sidewalk chalk or reflective tape** to mark potholes or cracks
 - Draw **arrows** to accessible ramps that are not easily visible
 - Clear **overgrowth** from signs and sidewalks
 - Add **temporary lighting** (camping lanterns, floodlights) in dark areas
- **Report infrastructure problems**
 - 311 hotlines or apps, using **photos** and **exact locations**
 - **Multiple people** reporting the same issues can get faster responses



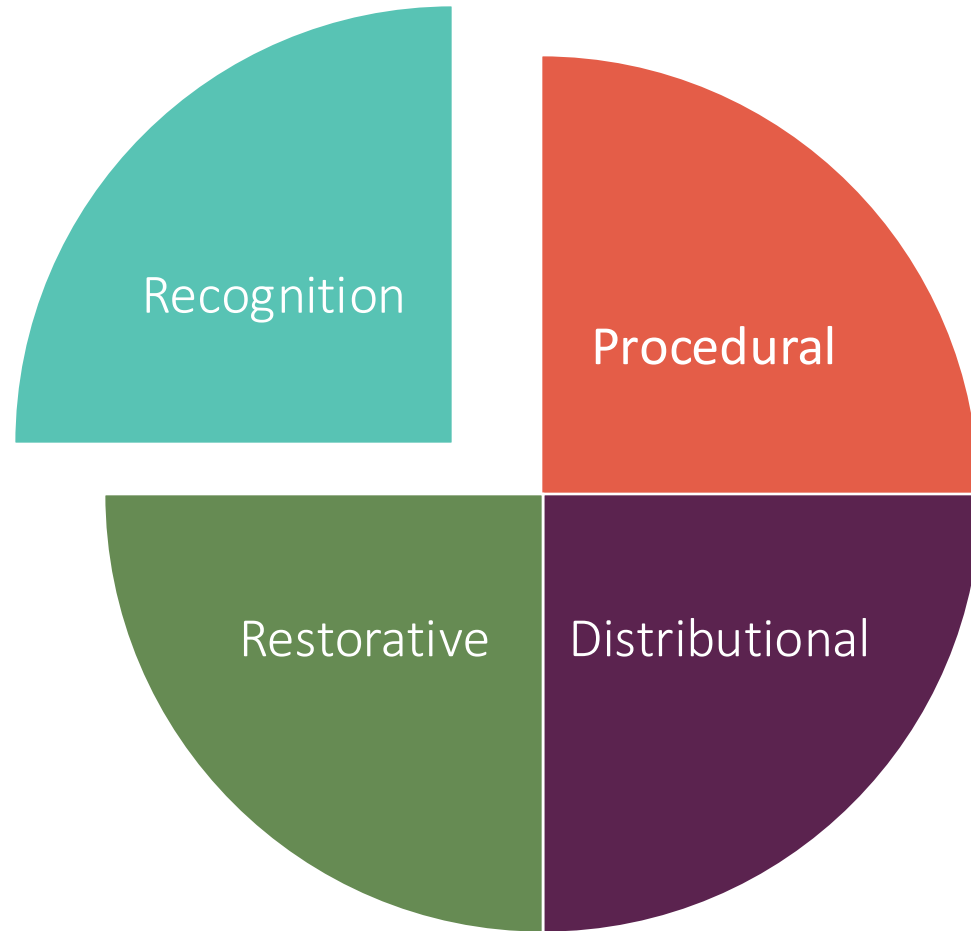
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Equity Moment

Karia Wang
EAG Member



Tonight's equity focus



Redlined Communities and Outage Burden

Redlining

- A form of housing discrimination practice took place after the introduction of New Deal, a series of programs in the 1930s, aiming to address the aftermath of Great Depression
- Refers to discriminatory practice of a lender refusing to provide or increasing the cost of financial services, such as mortgages or insurance, to residents of certain areas based on their race or ethnicity.
- To some extent, it also kept people of certain races or ethnicities from living in certain neighborhoods.

16. RACIAL RESTRICTIONS. No property in said Addition shall at any time be sold, conveyed, rented or leased in whole or in part to any person or persons not of the White or Caucasian race. No person other than one of the White or Caucasian race shall be permitted to occupy any property in said Addition or portion thereof or building thereon except a domestic servant actually employed by a person of the White or Caucasian race where the latter is an occupant of such property.

17. ANIMALS. No fowl or animal other than song birds, dogs or cats as household pets, shall at any time be kept upon land embraced in this Addition.

Many Queen Anne residents have this clause in their deeds: "*No person or persons of Asiatic, African or Negro blood, lineage, or extraction shall be permitted to occupy a portion of said property.*"

IMPLICATIONS:

- Environmental injustice (Air populations, less green spaces, other environmental hazards)
- Underinvestment in infrastructure
 - Such as power lines and transformers
- Aging equipment
 - More susceptible to failure from weather, wear, and tear, resulting in more frequent outages
- Increased social vulnerability
- Higher “outage burden”
 - Frequency and duration of outages, may last even after the weather conditions.

Higher “outage burden”

- Economic or social costs associated with power outages are disproportionately higher in certain areas.
- More significant financial losses or social impacts due to the frequency or duration of outages.
- For example, in Chinatown/International District
 - Residents are mostly seniors residing in old senior apartments
 - Experience different level of challenges in mobility
 - What are the risks of power outages to them?

Agenda

5:00 p.m. – Welcome

5:20 p.m. – Equity in System Planning

6:10 p.m. – BREAK

6:15 p.m. – 2025 PSE Customer Clean Energy Survey Results

6:50 p.m. – Public Comment

7:00 p.m. – Next steps

Equity in System Planning

Brian Tyson, Puget Sound Energy

Manager, Clean Energy Planning & Implementation

Uche Nwude, Puget Sound Energy

Energy Equity Initiatives Manager, Clean Energy Planning & Implementation



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EAG Priority Overlap – Equity in System Planning

1. **Affordability:** Considering impact across residential ratepayers; using data for decision-making.
2. **Accessibility:** Providing needed technology access; ensuring programs are easy to understand and access.
3. **Accountability:** Tracking PSE goal achievement, understanding eligibility criteria, and demonstrating customer/community well-being.
4. **Advocacy:** Identifying the issue areas where the EAG and PSE can make systemic change through collaboration and civic action.

Overview

Given our past discussions, does the Energy Justice Tenets framework
when applied to the analysis
demonstrate how equity is considered in the ISP analysis?

- Where have we **engaged the EAG in the past** related to the ISP?
- What are we **currently evaluating** related to equity in the analysis?
- How are the **energy justice tenets applied** across the ISP planning teams?

EAG Feedback Level

Consult/Involve

Today's EAG input will...

Incorporate into our final write-up towards the 2027 ISP

What is an Integrated System Plan?

A comprehensive, long-term planning document that integrates gas and electric utility planning and includes consistent, equitable, and actionable plans across customer strategies, energy supply, and energy delivery to achieve required clean energy and greenhouse gas emission reductions, while maintaining reliable and affordable energy systems

What are the guardrails?

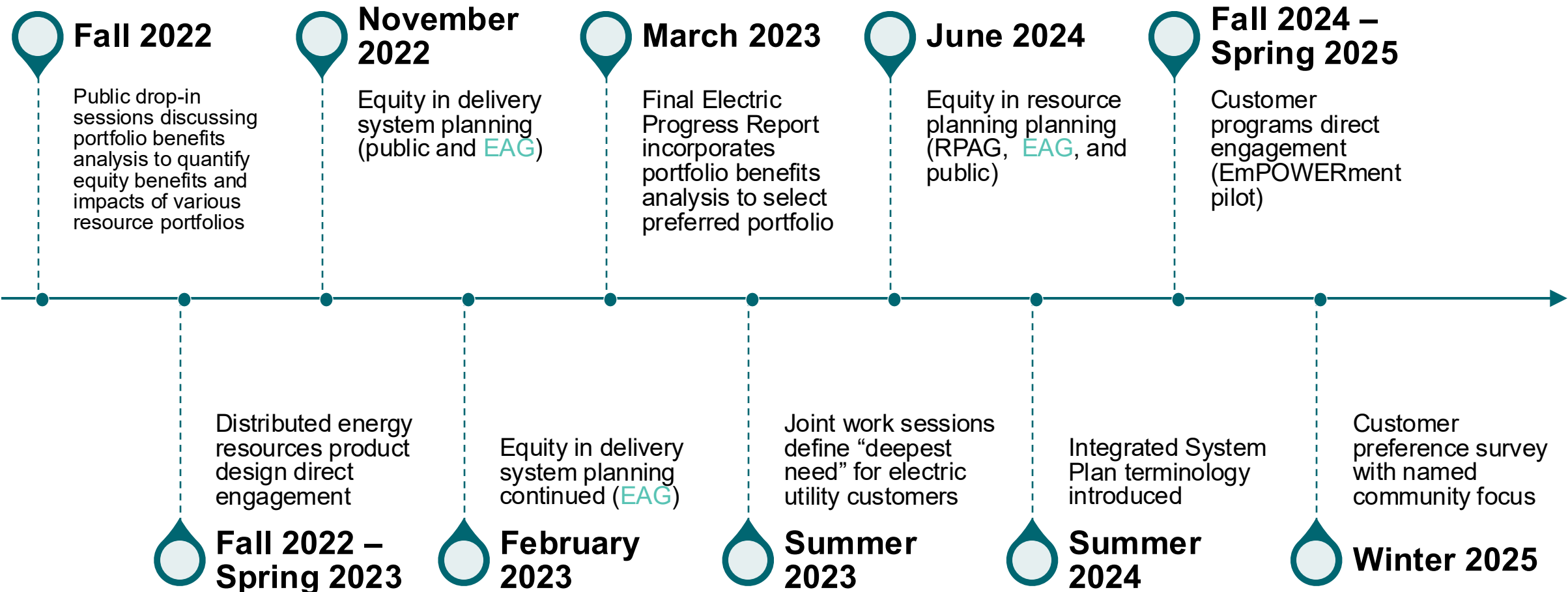
What will we see in the **ISP**:

- **Long-term** view of planning using **generic resources**
- Broad, high-level **forecast of benefits** based on assumptions
- Broad, high-level assessment of **system-wide impacts**
- Demonstrate **costs impacts**
- **Outcomes** we can expect

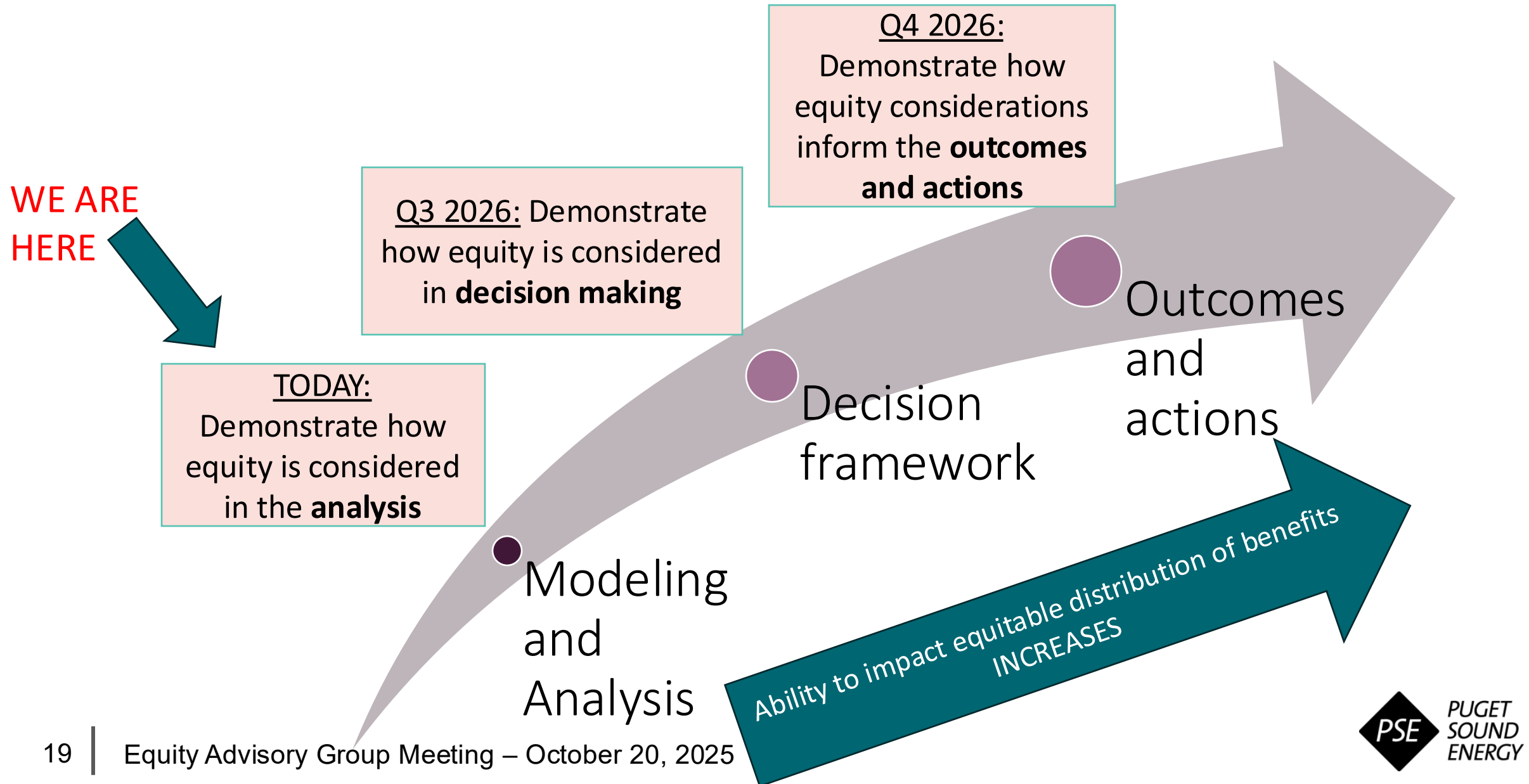
What EAG interests are addressed in **other processes**?

- **Demographic analysis** of the specific impacted communities
- Detailed **analysis of projects** in specific communities
- Granular report of the **specific projects over the long-term**

PSE’s equity engagement history in system planning



ISP process equity considerations – equity checkpoints

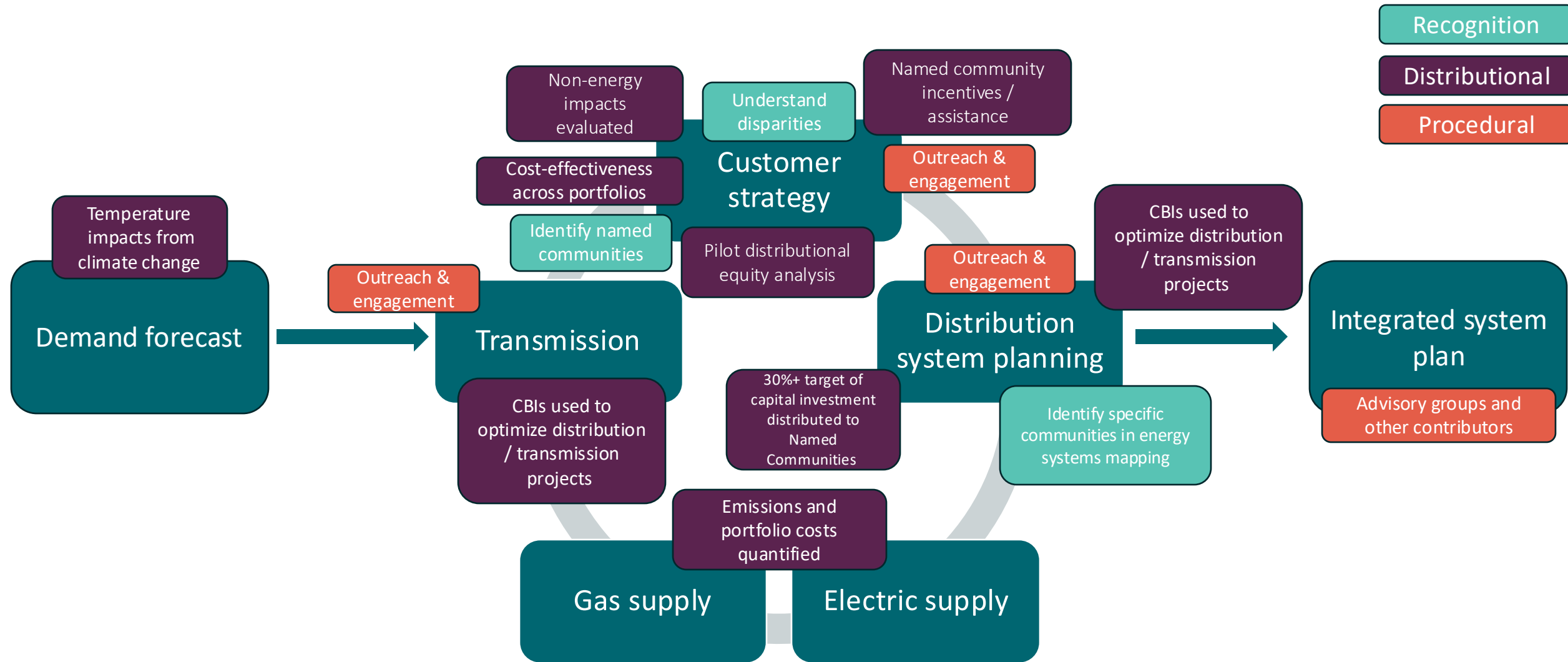


Framework adopted for each checkpoint

Energy Justice Tenets



Demonstrate how equity is considered in the **analysis**



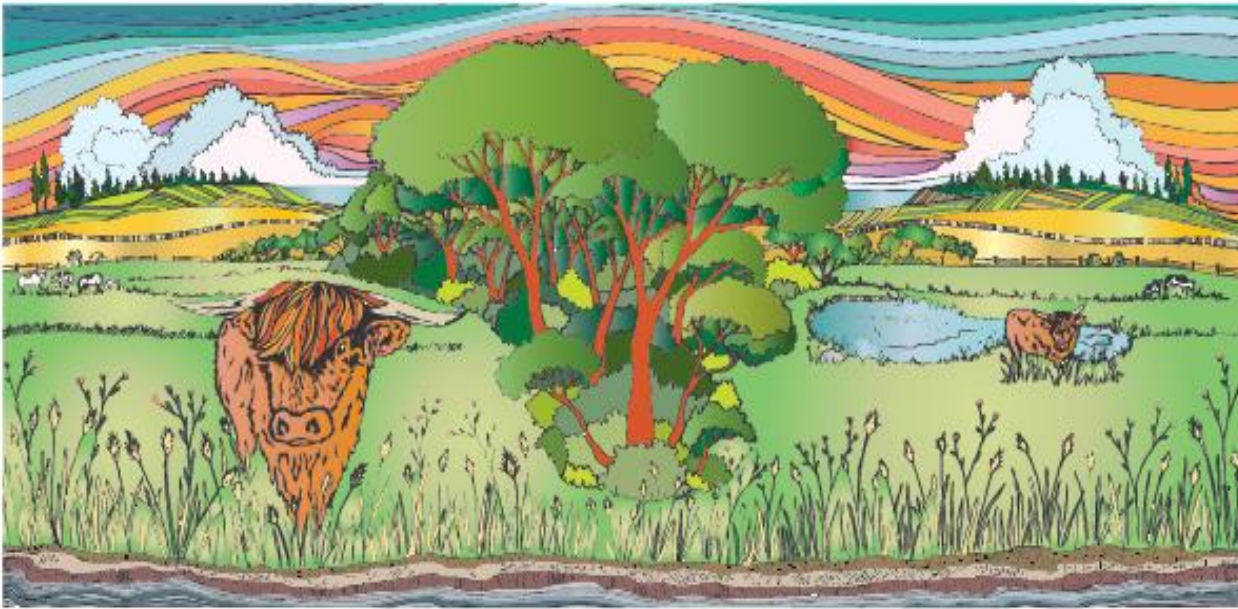
EAG feedback

Demonstrate how equity is considered in the **analysis**

Given our past discussions, does the Energy Justice Tenets framework when applied to the analysis demonstrate how equity is considered in the ISP analysis?

Break

Please return in 5 minutes



“Farmscapes” by Tia Savedo of Whidbey Island, WA

The public comment period will start at 6:50 p.m.

Please do not join the meeting until then. The first 5 individuals will have 2 minutes each to speak.

1. Join the Zoom meeting:
 - a) Visit <https://zoom.us/join>
 - b) Insert Meeting ID: 880 4612 8281
2. Call in to the meeting:
 - a) Call number: +1 253 215 8782 US
 - a) Insert Meeting ID: 880 4612 8281

2025 PSE Clean Energy Survey Results

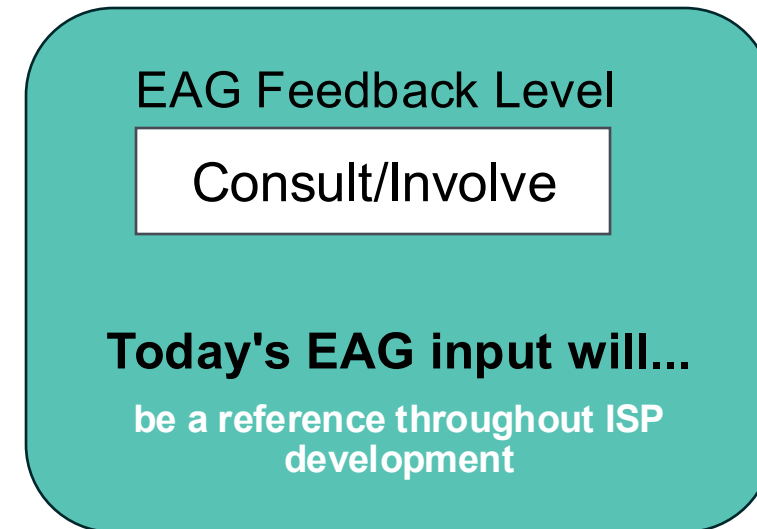
Ray Outlaw, Puget Sound Energy
Manager, Communications Initiatives



Objectives

- ◆ Summarize survey methodology and results
- ◆ Questions derived from EAG and RPAG feedback (September 2024)

EAG question: How do these results align with your experiences and how might it inform your advice for PSE in the future?



Methodology

Washington Residents within PSE Service Areas



This survey was conducted by Edelman Data & Intelligence, an independent research firm, in partnership with PSE. The sample was fielded and collected to be representative of the Washington population across age, gender, ethnicity/race, and region.

* Denotes survey questions that were inspired by advisory group feedback.

Timing	Method
Survey fielded from: January 13, 2025 - February 7, 2025	10-minute online survey

Counties	Sample Size (WA Gen Pop)
TOTAL	n=1,501
Whatcom	n=80
Skagit	n=35
Island	n=24
Kitsap	n=98
King	n=576
Kittitas	n=9
Pierce	n=303
Thurston	n=121
Snohomish	n=227
Lewis	n=28

Margin of error: ± 3.1% at the 95% confidence level
among WA Gen Pop

Audience Name	Sample Size*
Washington Gen Pop <i>Adults in counties served by PSE. Quotas set on gender, age, county, race/ethnicity, and education</i>	n=1,501
Washington BIPOC Adults <i>Includes Black, American Indian/Alaskan Native, Asian, Native Hawaiian-Other Pacific Islander, Two or more races and the ethnicity grouping of Spanish/Hispanic/Latino</i>	n=490
Tribal Communities <i>Are indigenous American or Indigenous Alaskan AND identify themselves as living in tribal communities</i>	n=65
Rural Communities <i>Located in settlements with fewer than 2,500 residents</i>	n=339
Small/Medium Businesses (SMBs) <i>Owners of small/medium businesses</i>	n=308
Military Communities And Veterans <i>Have members of their household who currently or previously served in the US armed forces, reserves, or national guard</i>	n=374
Low Income Households <i>Those who are categorized as low income and fall within 80% of the Washington AMI</i>	n=1089
Communities Facing Language Access Barriers <i>Those who speak English less than "very well" (Speak English well, not well, or not at all)</i>	n=85

Respondents who qualified for multiple audiences were included in each applicable group's total counts. Translations offered in Chinese, Korean, Spanish, and Vietnamese for communities facing language access barriers.



Key takeaways

- ◆ Strong support for clean energy overall
- ◆ **But...reliability** and **affordability** are more important comparatively
- ◆ Interest in participating in clean energy and electrification is high – but some concerns about cost and technical challenges surface

Public Comment



Public comment – How to join

Public Comment

- The first five individuals will each have 2 minutes to speak.
- There are two ways to join →

Option 1: Join the Zoom meeting

- a) Visit <https://zoom.us/join>
- b) Insert Meeting ID: 819 5803 4613

Option 2: Call-in by phone

- a) Call number: +1 253 215 8782
- b) Insert Meeting ID: 819 5803 4613

Next steps

- Meeting follow-up and action items
 - Introducing:
Post EAG Meeting Survey
- Governance Committee Member Opt-In – contact Em or Ariam

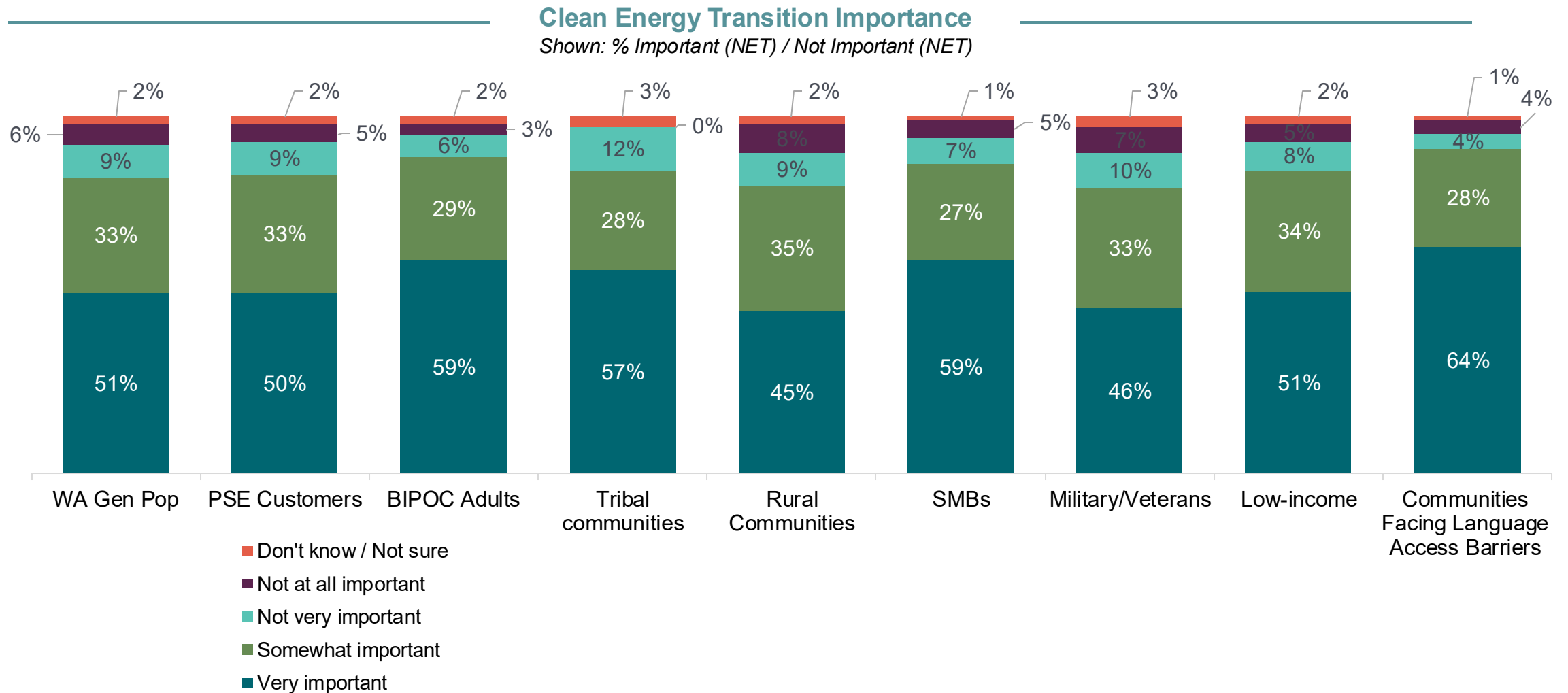
- **Next EAG Steering Committee Meeting**
Nov. 3 at 5:00 p.m.
- **Next EAG meeting**
Nov. 17, from 5:00-7:00 p.m.

Appendix

2025 PSE Clean Energy Survey Results



In general, how important is transitioning to clean energy to you?*



If you had the choice to make changes to the energy that powers your home or business, please indicate which of the following you would consider to be must-haves versus nice-to-have energy features.*



“Must-have” Energy Features

Shown: % “Must-have” NET

Option	WA Gen Pop	PSE Customers	BIPOC Adults	Tribal Communities	Rural Communities	SMBs	Military / Veterans	Low-income	Communities Facing Language Access Barriers
Highly reliable energy	75%	77%	72%	80%	75%	73%	73%	73%	65%
Lower than average energy bills	55%	54%	61%	63%	61%	56%	53%	57%	59%
Responsive customer service from energy provider	48%	49%	47%	48%	48%	51%	48%	46%	51%
Long-term energy savings / return on investment	43%	44%	50%	49%	44%	50%	43%	43%	53%
Clean, renewable energy	40%	39%	47%	48%	38%	48%	39%	44%	46%
Energy incentives and rebates	29%	31%	31%	28%	31%	31%	29%	29%	35%
Increase in property value resulting from clean energy upgrades	24%	24%	27%	31%	24%	29%	23%	24%	26%

Q3: If you had the choice to make changes to the energy that powers your home or business, please indicate which of the following you would consider to be must-haves versus nice-to-have energy features. Base sizes: Gen Pop n=1501, PSE Customers n=956, BIPOC Adults n=490, Tribal Communities n=65*, Rural Communities n=339, SMBs n=308, Military Communities and Veterans n=374, Low Income n=1089, Communities Facing Language Access Barriers n=85*. *Small sample size.

Methodology – Willingness to pay for clean energy

This survey question is set up using projected **annual utility bill increases through 2030** to gauge what level of rate hikes Washington adults are willing to accept in support of state-mandated clean energy goals.

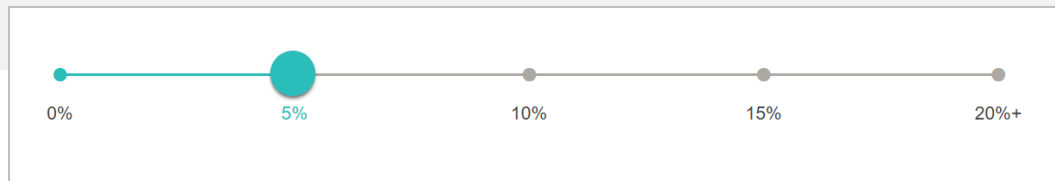
Survey Question For Reference

As Washington State transitions to cleaner energy sources, investments in utility infrastructure and projects are expected, which may affect electricity costs in the coming years.

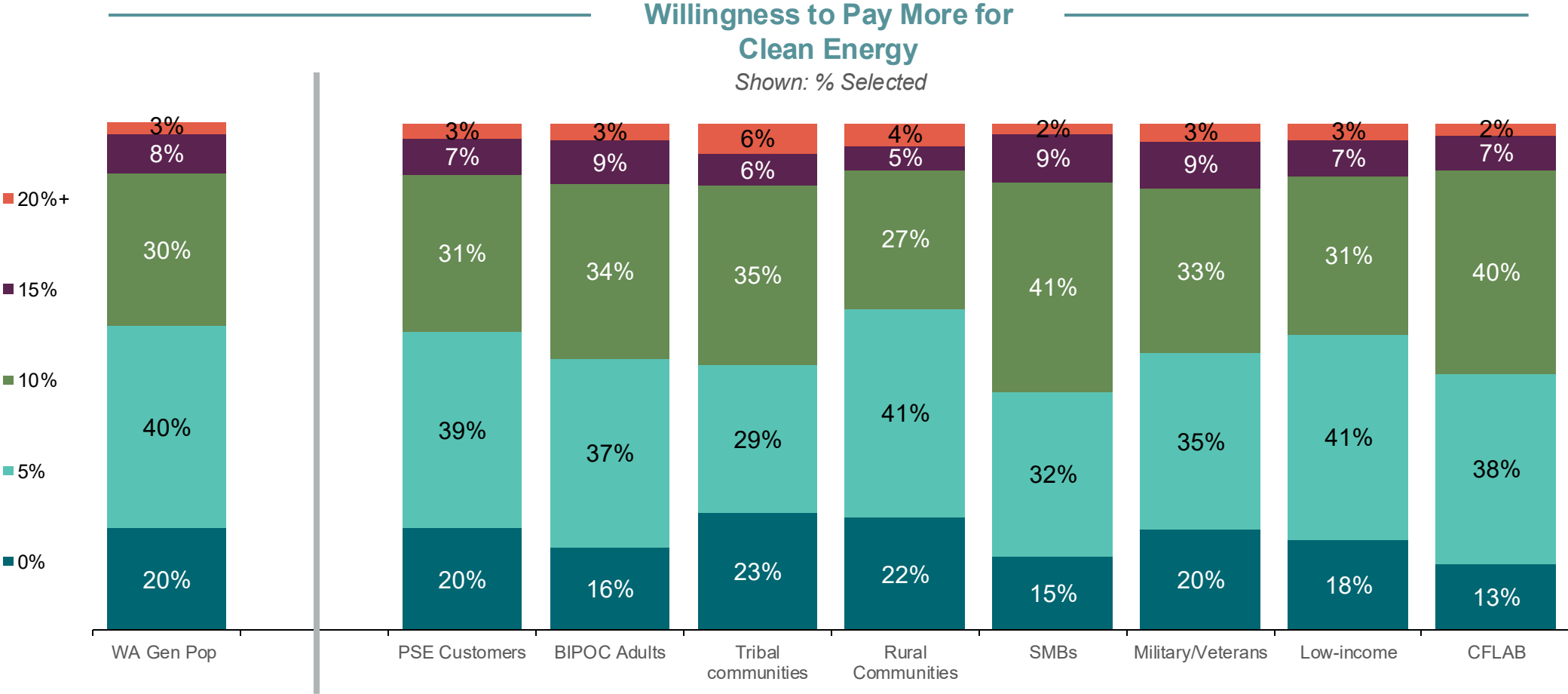
The below table shares an example of what various annual rate increases on a \$100 utility bill look like through 2030. For example, a rate increase of 5% means that each year's monthly bill increases by \$5.

Annual (%)	2025	2026	2027	2028	2029	2030	Total (%)
5%	100	105	110	115	120	125	25%
10%	100	110	120	130	140	150	50%
15%	100	115	130	145	160	175	75%
20%	100	120	140	160	180	200	100%

What level of annual bill increases are you willing to pay in order to meet state mandated clean energy requirements? Please use the slider below.



What level of annual bill increases are you willing to pay to meet state mandated clean energy requirements?

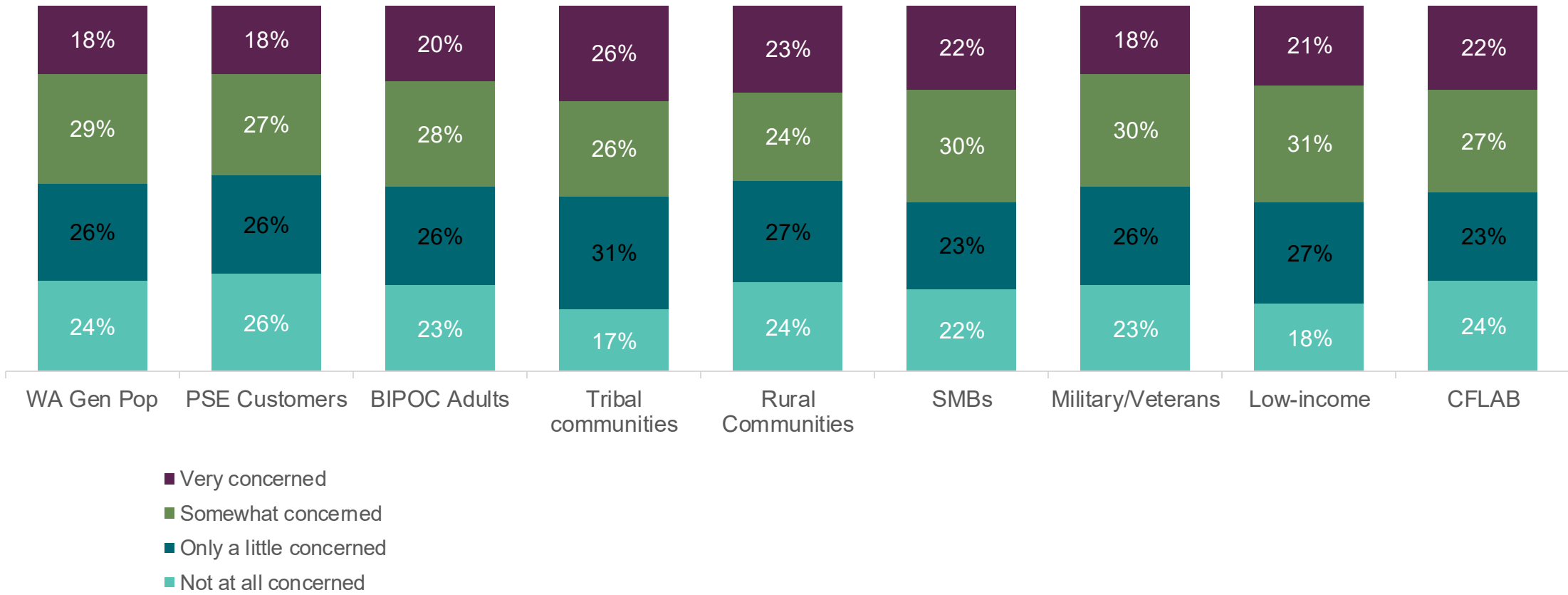


Q5: What level of annual bill increases are you willing to pay in order to meet state mandated clean energy requirements. Base sizes: Gen Pop n=1501, PSE Customers n=956, BIPOC Adults n=490, Tribal Communities n=65*, Rural Communities n=339, SMBs n=308, Military Communities and Veterans n=374, Low Income n=1089, Communities Facing Language Access Barriers n=85*. *Small sample size.

How concerned are you about being able to pay for natural gas or electric services in the coming year?



Concern About Ability to Pay For Utilities
in the Coming Year



What concerns, if any, do you have regarding the transition to clean energy? Please select all that apply.*

PSE

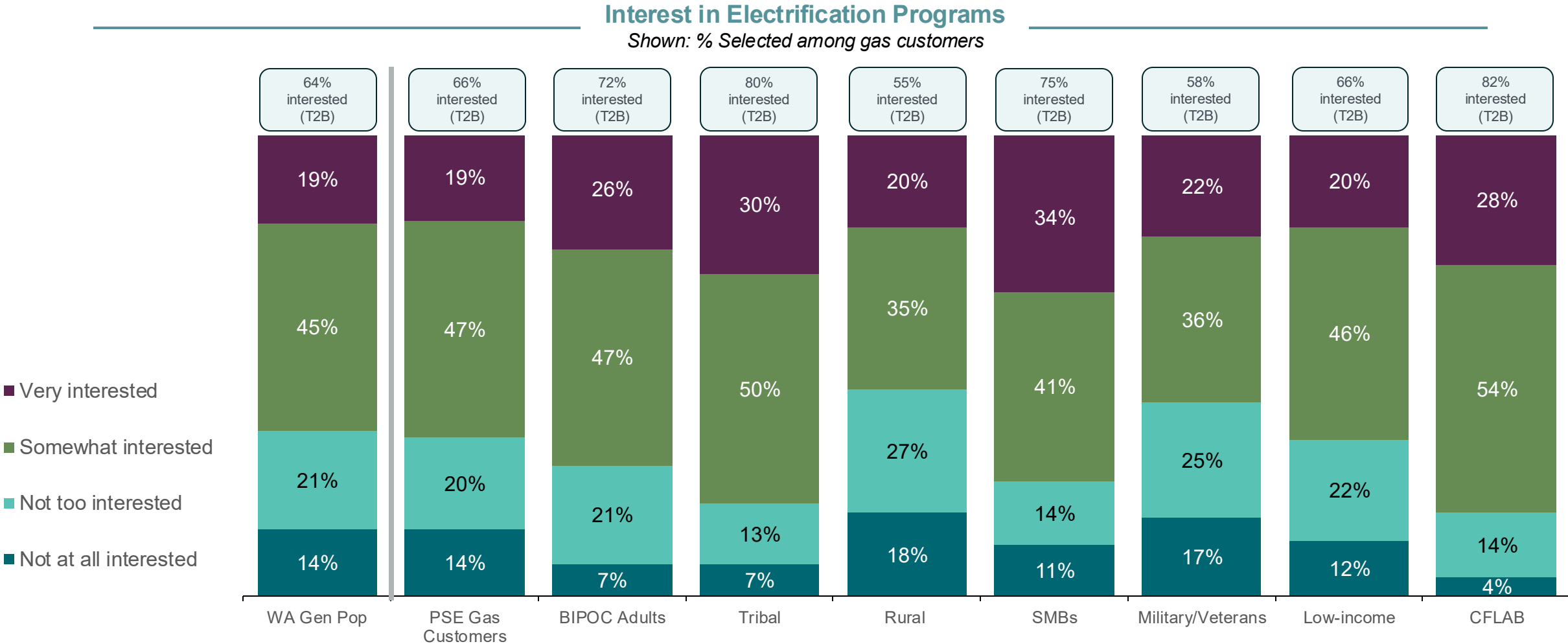
Clean Energy Transition Concerns

Shown: Top concerns by audience,
Multiple select, % Selected

Option	WA Gen Pop	PSE Customers	BIPOC Adults	Tribal Communities	Rural Communities	SMBs	Military / Veterans	Low-income	Communities Facing Language Access Barriers
Higher costs	67%	68%	64%	57%	65%	63%	68%	66%	60%
Logistical difficulties making the switch (e.g., installation challenges, cost)	45%	47%	40%	38%	47%	44%	47%	43%	39%
Long-term maintenance costs	45%	45%	42%	46%	42%	43%	50%	44%	42%
Uncertainty about reliability	44%	47%	39%	37%	47%	44%	43%	42%	35%
Lack of availability of financial incentives and rebates	34%	33%	29%	32%	37%	33%	37%	34%	29%
Lack of available options in my area	32%	31%	33%	31%	41%	34%	36%	34%	27%
Concerns about the environmental impact of new technologies	27%	26%	29%	28%	29%	26%	32%	25%	34%
Limited understanding of clean energy technologies	25%	25%	28%	28%	24%	24%	27%	26%	31%
I don't have any concerns about transitioning	7%	6%	8%	6%	9%	5%	4%	6%	4%

Q13: What concerns, if any, do you have regarding the transition to clean energy? Base sizes: Gen Pop n=1501, PSE Customers n=956, BIPOC Adults n=490, Tribal Communities n=65*, Rural Communities n=339, SMBs n=308, Military Communities and Veterans n=374, Low Income n=1089, Communities Facing Language Access Barriers n=85*. *Small sample size.

How interested would you be in participating in an electrification program in the next 12 months?*



Q6: How interested would you be in participating in an electrification program in the next 12 months? Base sizes: Total Gas Customers n=680, PSE Gas Customers n=496, BIPOC Gas Customers n=238, Tribal Communities Gas Customers n=30*, Rural Gas Customers n=130, SMB Gas Customers n=155, Military/Veteran Gas Customers n=182, Low-Income Gas Customers n=420, Communities Facing Language Access Barriers Gas Customers n=85*. *Small sample size.

How strongly do you support or oppose each of the following resources to balance intermittent clean resources?

PSE

Supported On Demand Energy Resources

Shown: % "Support" NET

Option	WA Gen Pop	PSE Customers	BIPOC Adults	Tribal Communities	Rural Communities	SMBs	Military / Veterans	Low-income	Communities Facing Language Access Barriers
Pumped hydro storage	63%	62%	67%	62%	61%	69%	61%	64%	71%
Natural gas	61%	65%	61%	51%	56%	62%	66%	59%	62%
Renewable hydrogen	58%	59%	63%	57%	57%	67%	59%	58%	74%
Utility scale batteries	50%	51%	53%	52%	49%	55%	51%	52%	62%
Advanced nuclear	39%	41%	41%	31%	38%	44%	43%	38%	48%

Q15: How strongly do you support or oppose each of the following resources to balance intermittent clean resources? Base sizes: Gen Pop n=1501, PSE Customers n=956, BIPOC Adults n=490, Tribal Communities n=65*, Rural Communities n=339, SMBs n=308, Military Communities and Veterans n=374, Low Income n=1089, Communities Facing Language Access Barriers n=85*. *Small sample size.

Under what conditions do you support the use of natural gas to produce electricity?

PSE

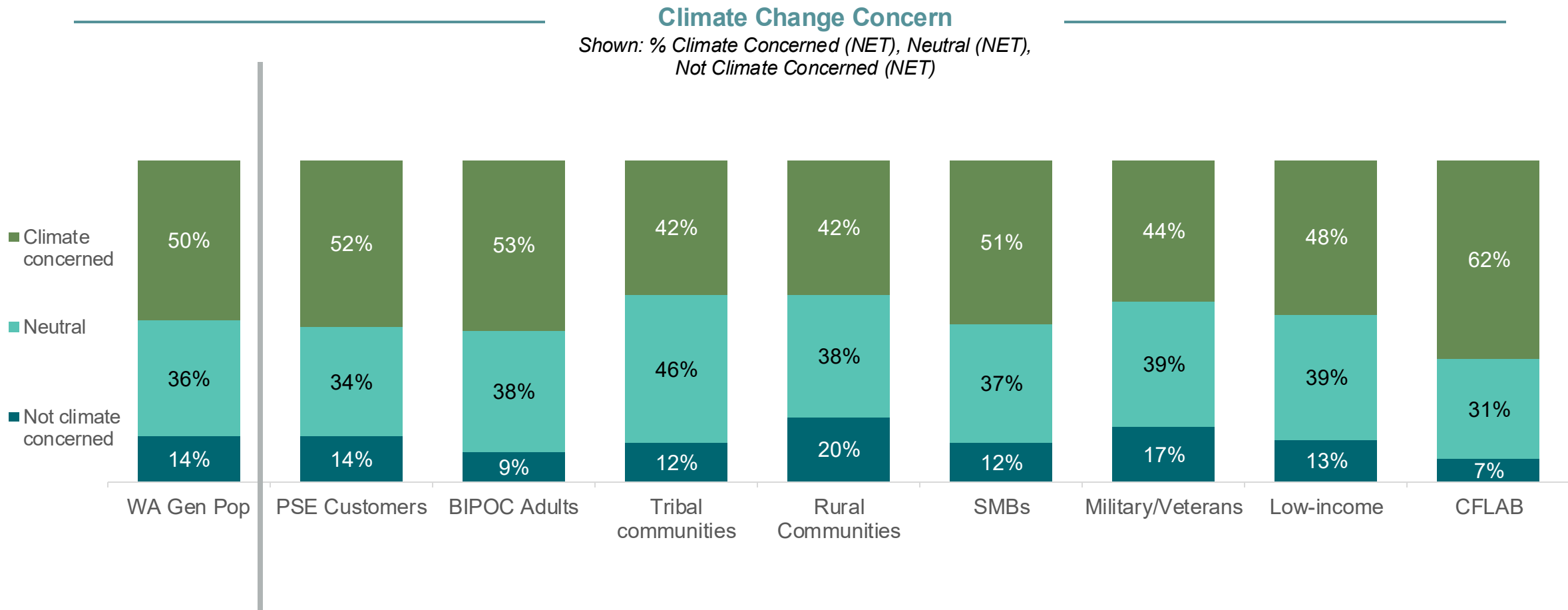
Support for Natural Gas to Produce Electricity

Shown: % Selected

Option	WA Gen Pop	PSE Customers	BIPOC Adults	Tribal Communities	Rural Communities	SMBs	Military / Veterans	Low-income	Communities Facing Language Access Barriers
I support using natural gas if used to augment wind and solar when not those resources are less available (e.g., low wind, low sunlight)	50%	51%	48%	42%	48%	55%	55%	49%	41%
I support using natural gas if it is the cheapest option and will help keep electric bills low	48%	50%	48%	38%	46%	47%	48%	48%	48%
I support using natural gas if used to meet peak loads (for example a cold winter night or hot summer day)	45%	46%	45%	40%	43%	45%	48%	44%	46%
I support using natural gas if utilities offset greenhouse gas emissions (e.g., purchase carbon credits)	35%	36%	39%	35%	30%	37%	37%	35%	36%
N/A – None of the above	8%	7%	7%	11%	12%	4%	5%	9%	9%

Q16: Under what conditions do you support the use of natural gas to produce electricity? Base sizes: Gen Pop n=1501, PSE Customers n=956, BIPOC Adults n=490, Tribal Communities n=65*, Rural Communities n=339, SMBs n=308, Military Communities and Veterans n=374, Low Income n=1089, Communities Facing Language Access Barriers n=85*. *Small sample size.

On a scale of 1-10, where 1 is not at all concerned and 10 is extremely concerned, how concerned or not concerned are you about climate change?*

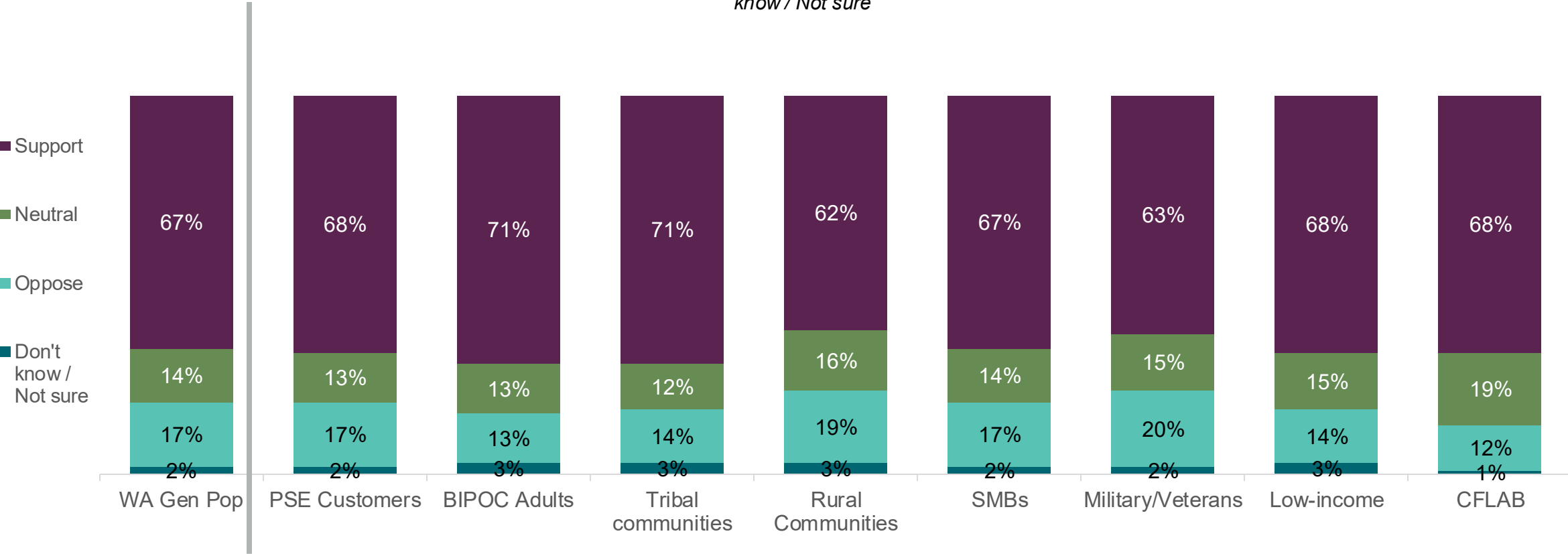


Q10: On a scale of 1-10, where 1 is not at all concerned and 10 is extremely concerned, how concerned or not concerned are you about climate change? Base sizes: Gen Pop n=1501, PSE Customers n=956, BIPOC Adults n=490, Tribal Communities n=65*, Rural Communities n=339, SMBs n=308, Military Communities and Veterans n=374, Low Income n=1089, Communities Facing Language Access Barriers n=85*. *Small sample size.

Based on what you know or what you have read, do you personally support or oppose this clean energy transformation?



Support for Clean Energy Transition
Shown: % Support (NET), Neutral, Oppose (NET), Don't know / Not sure



Q12: Based on what you know or what you have read, do you personally support or oppose this clean energy transformation? Base sizes: Gen Pop n=1501, PSE Customers n=956, BIPOC Adults n=490, Tribal Communities n=65*, Rural Communities n=339, SMBs n=308, Military Communities and Veterans n=374, Low Income n=1089, Communities Facing Language Access Barriers n=85*. *Small sample size.

Appendix

Equity in System Planning



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Equity considerations within ISP modeling and analysis by planning groups

DSE

- Recognition
- Distributional
- Procedural
- Procedural + Distributional

