

# Clean Energy Transformation Act

## *Equity in Residential Rate Changes & Financing*

Washington Equity Advisory Group (EAG)  
January 2023 Meeting

January 12, 2023



# Equity in Residential Rate Changes & Financing

1-4 pm PT, January 12, 2023

## For a Better Meeting Experience



Use Gallery View (icon at top right) when in group discussion



For technical support, chat "Tag G-D / E Source" as recipient, and send your message



- Questions are welcome at any time
- Please mute until speaking
- Speak by clicking the "Raise Hand" in the tool bar

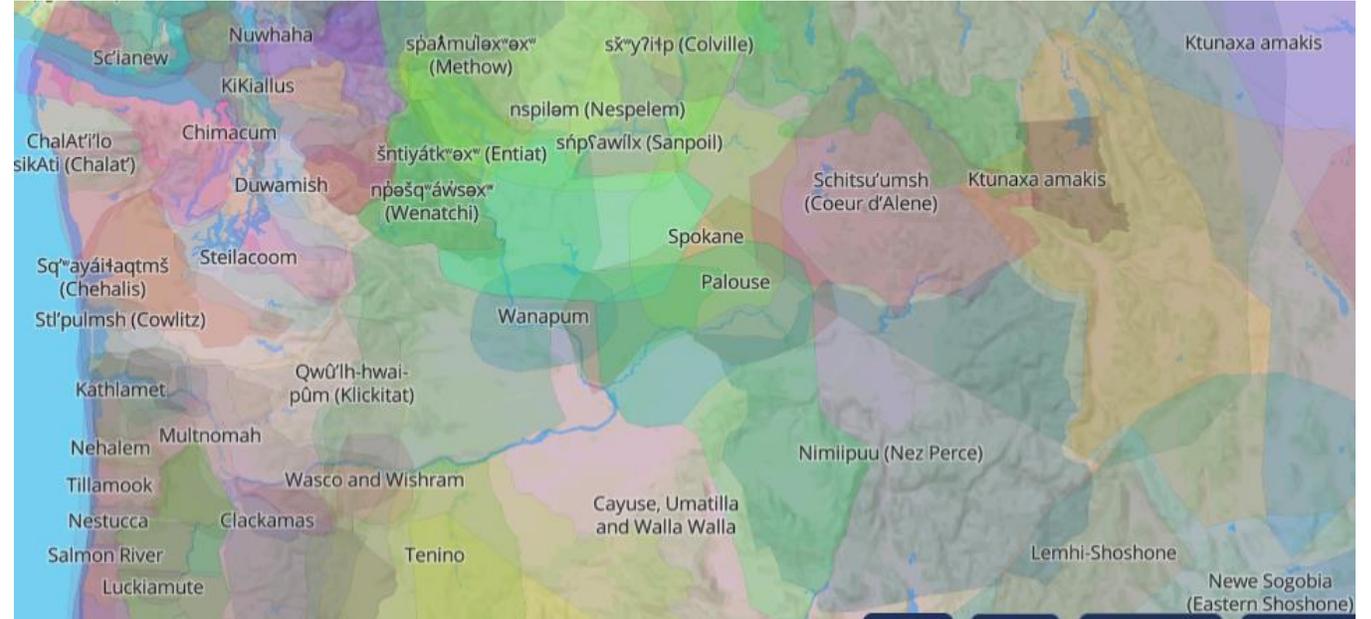
## Agenda

TIMING	TOPIC
1 pm	<ul style="list-style-type: none"><li>• Land Acknowledgement</li><li>• Objectives</li><li>• Check in</li><li>• Community Connections</li><li>• 2023 WA EAG Meetings &amp; Community Calendar</li></ul>
1:30 pm	<ul style="list-style-type: none"><li>• Equity in Rate Making</li><li>• Discussion</li></ul>
2:15 pm	Break
2:30 pm.	<ul style="list-style-type: none"><li>• Craft3's WA Home Energy Loan Program</li><li>• Discussion</li></ul>
3:30 pm	Public Comment
3:45 pm	Summary and Next Steps

# Land Acknowledgement

We acknowledge and respect that the land we are on today is the traditional and ancestral lands of these nations and peoples:

- ✓ Cayuse, Umatilla and Walla Walla →
- ✓ Yakama →
- ✓ Syilx (Okanagan) →
- ✓ ščəl'ámxəxʷ (Chelan) →
- ✓ Confederated Tribes of the Colville Reservation →



We recognize the Indigenous peoples as the original stewards of this land.

As these words of acknowledgement are spoken and heard, the ties these nations have to their traditional homeland are renewed and reaffirmed.

1. Engage your feedback in planning for 2023
2. Discuss proposed residential rate changes and get your feedback on proposed approaches
3. Inform you on Craft3's Home Energy Loans in the Washington State program

# Presenters



**Robert Meredith**  
Policy Director,  
Pricing & Tariff



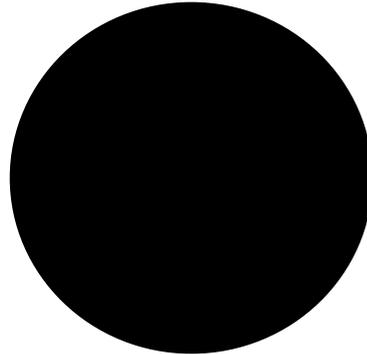
**André Lipinski**  
Pricing & Cost  
Service Analyst



**Martha Pulido**  
Craft3 Bilingual  
Customer  
Lender



**Christina Medina**  
Stakeholder Policy &  
Engagement Manager



**Nancy Goddard**  
Energy Efficiency  
Manager



**Lisa Markus**  
E Source Managing  
Director & Facilitator

# Check-In

What are you most  
excited about in 2023?



# 2023 WA EAG Meetings & Community Calendar

# 2023 WA EAG Meetings: Q1 & Q2

All meetings from 1 to 4 PM PST

## 2023 highlights:

- Introduction of periodic in person meetings (hybrid): MAR, JUL & OCT
- In person visit at your location in MAY
- Monthly Community Connections & Group Highlight Acknowledgement
- No meeting: AUG & NOV

JAN 12 online	FEB 9 online	MAR 9 hybrid
WA Rate Case; Craft3 Home Energy Loan Program	Transportation Electrification Plan Filing and CBI Update	Demand Response Filing and Updates; Energy Efficiency Updates
APR 13 online	MAY (dates TBD)	JUN 8 online
Communications Vision and CBI update	Local in-person visits Presentation: Wildfire Mitigation	CEIP Annual Progress Report; CBI Updates; Energy Efficiency Updates

\*Proposed agenda topics may be subject to change

# 2023 WA EAG Meetings: Q3 & Q4

## 2023 highlights

- Introduction of periodic in person meetings (hybrid): MAR, JUL & OCT
- In person visit at your location in MAY
- Monthly Community Connections & Group Highlight
- No meeting: AUG & NOV

All meetings from 1 to 4 PM PST

JUL 13 hybrid	AUG	SEP 14 online
CEIP Annual Report Feedback, Non-Energy Impacts Update	<b>No meeting</b>	Energy Efficiency (Preview Biennial Conservation Plan; Program Changes)
OCT 12 hybrid	NOV	DEC 7 online
Energy Efficiency Updates	<b>No Meeting</b>	End of the Year Survey and Reflection; 2024 Planning

\*Proposed agenda topics may be subject to change

January 2023						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6	7
8	9	10	11	12	13	14
		<a href="#">ONLINE-Demand Response Draft Program Technical Workshop 10am-12pm</a>		<a href="#">ONLINE-Clean Buildings Accelerator Coffee Chats 10am-11am</a>		
15	16	17	18	19	20	21
		<a href="#">SLC Public Workshops Series: Sustainable Self Care 6:30pm-8:30pm @ WWCC Water and Environmental Center</a>				
22	23	24	25	26	27	28
			<a href="#">Central Washington Hispanic Chamber of Commerce Meet &amp; Greet 5:30pm-7:00pm at the Holiday Inn 802 E. Yakima Ave. Yakima, WA 98901</a>	<a href="#">Women in Business: Purpose Workshop-Reininger 5:30pm-7:30pm @ Reininger Winery 5858 Old Hwy 12 Walla Walla, WA 99362</a>		
29	30	31	1	2	3	4

February 2023						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29	30	31	1	2	3	4
			<a href="#">Chamber Connect Quarterly Lunch/Annual Mtg. 11:30am-1:00pm @ Marcus Whitman Hotel &amp; Conference Center, 6 W. Rose St. Walla Walla, WA 99326</a>			
5	6	7	8	9	10	11
		<a href="#">SLC Public Workshops Series: DIY Home Remodeling 6:30pm-8:00pm @ WWCC Water and Environmental Center</a>				
12	13	14	15	16	17	18
19	20	21	22	23	24	25
			<a href="#">Central Washington Hispanic Chamber of Commerce Meet &amp; Greet 5:30pm-7:00pm at the Holiday Inn 802 E. Yakima Ave. Yakima, WA 98901</a>			
26	27	28	1	2	3	4

# Promoting Equity Through Residential Rate Changes

What comes to mind when  
you hear the word "Rate"?

# Where we are going



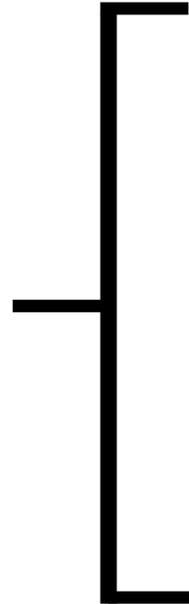
Get your feedback on some proposed rate design changes in advance of the March 2023 deadline for filing with the Washington PUC



Get your perspective on equity and demystify some utility concepts in the process

## Rate

What you are  
charged on  
your bill



### Basic Charge

Fixed charge to operate and maintain the energy system that everyone pays

### Energy (Use) Charge

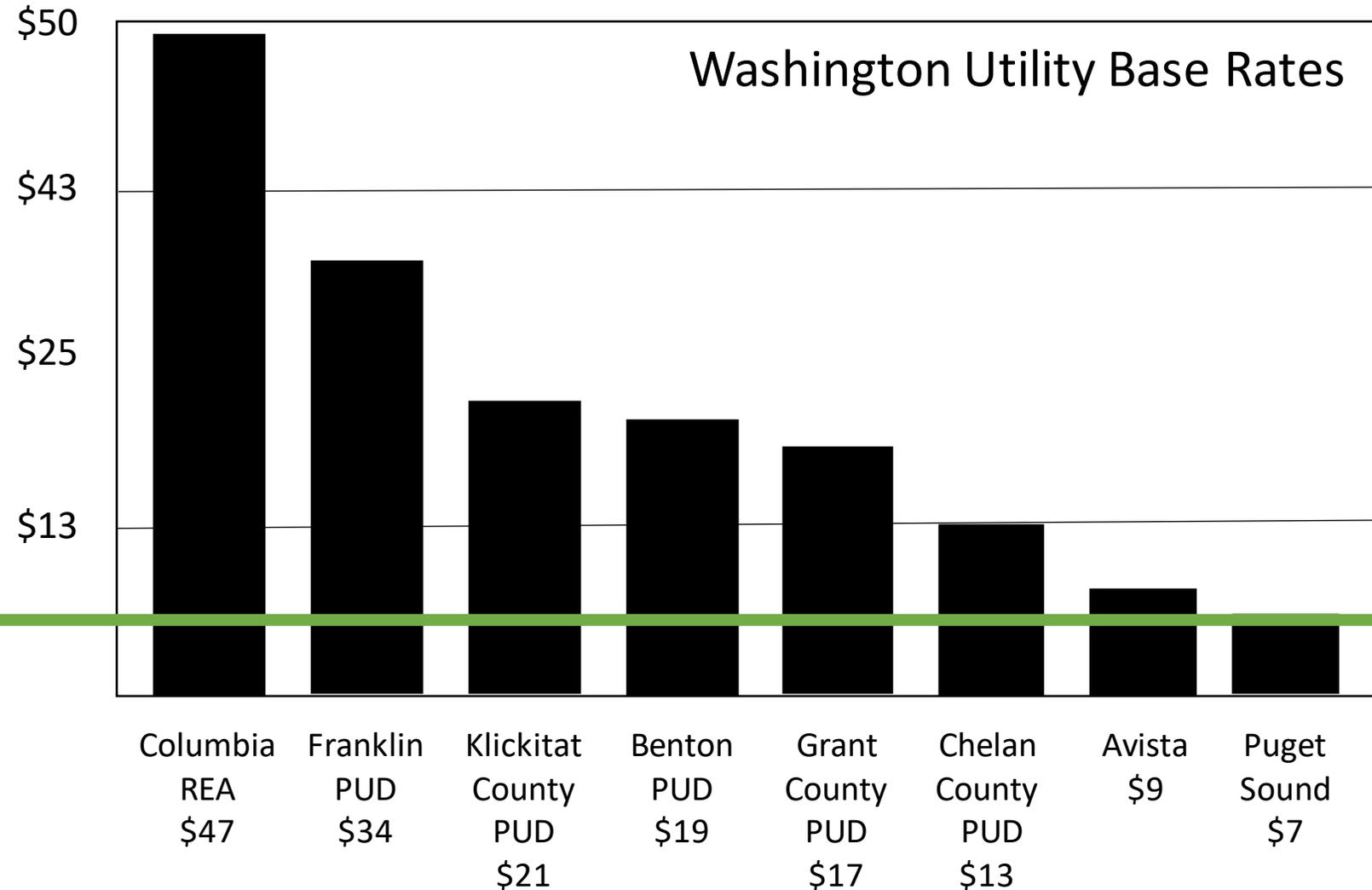
Cost for the kWh (units of energy used), which may:

- Fluctuate by season
- Be influenced by dwelling:
  - Size (apartments, small homes, large homes)
  - Number of people in the home
  - Condition (drafty, leaky roof, etc.)

# Monthly Base Rate

Pacific Power's monthly base rate in Washington is **\$7.75**, which:

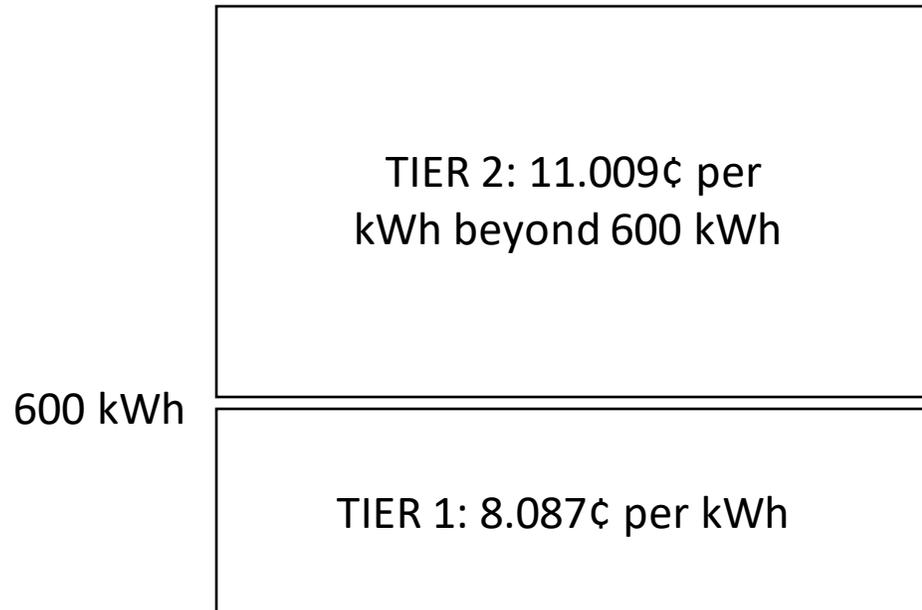
- Doesn't cover actual fixed costs of more than \$20
- Means more of the costs are passed on through energy use charges



# Energy Use Charge & Equity

Pacific Power in Washington breaks down energy use charges into two tiers

Customers are charged more for each kWh beyond 600 kWh



Customers on Low Income Bill Assistance use slightly more energy in Tier 2 than other customers (3% more)

(2021 Residential Email Survey approximately 3,000 responses)

# What Can Rate Design Do?

Rate design can address what impacts the energy burden of vulnerable customers

## Customers on Low Income Bill Assistance:

- Are twice as likely to live in a multifamily dwelling
- Use more energy:
  - Overall (dwellings are older, more drafty, less energy efficient, use of space heaters is higher)
  - Higher use in winter
  - Use more in Tier 2, which costs more

Low-Income Bill Assistance (LIBA) Customer Characteristics		
	LIBA	Non-LIBA
Average Monthly kWh	1,334	1,241
Multi-Family	16%	8%
kWh in Winter	73%	68%
kWh in 2nd Tier	58%	55%

(2021 Residential Email Survey approximately 3,000 responses)

# Proposed Changes



## Separate Basic Charge

- Increase for Single Family
- Stays the same for Multi-Family



## Replace Tiered Rate with Seasonal Rate

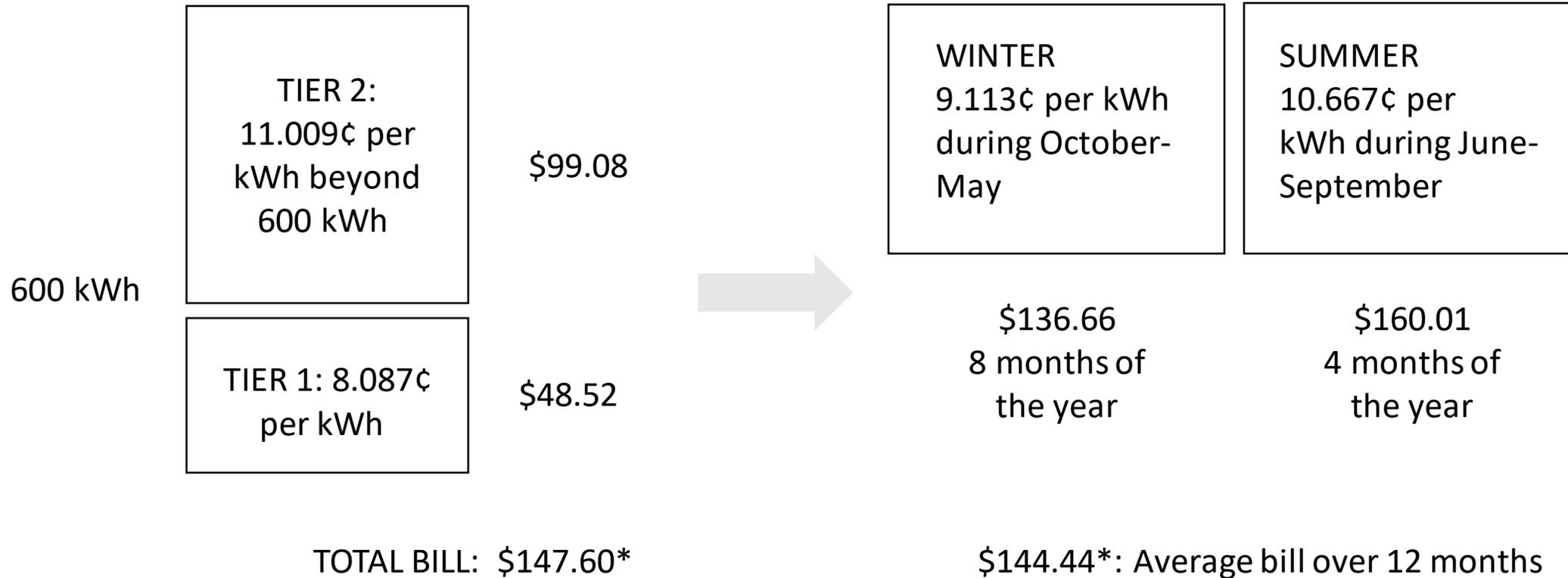
- Lower in the winter
- Higher in the summer
- Price is the same regardless of kWh usage

## Proposed changes would result in:

- 2% decrease for customers on Low Income Bill Assistance
- 1% increase for other customers

# Example of Price Change

If a customer uses 1,500 kWh...



\*This example isolates kWh usage and does not include the Basic Charge, LIBA discounts and franchise taxes. Refer to the appendix for more details.



# Separate Basic Charge for Single-Family vs Multi-Family

Single-family homes cost \$2.26 more in fixed costs\* compared to multi-family dwellings

Despite single-family homes costing more to serve, all customers pay the same basic charge

Customers on Low Income Bill Assistance are twice as likely to live in multi-family dwellings

## PROPOSED CHANGE

### Basic Charge

- Stays at \$7.75 per month for Multi-Family
- Increases to \$10.00 per month for Single-Family

\*Fixed costs include poles, conductors, line transformers, service drops, meters, customer service and corporate overhead



# Introducing a Seasonal Rate

Costs are higher in the summer and lower during other months, so we propose reflecting them in the energy charge

WINTER	SUMMER
9.113¢ per kWh during October-May	10.667¢ per kWh during June-September
1.6¢ seasonal difference*	

\*Based on 50% of the 2024 forecast seasonal price difference at the Mid-C Trading Hub

What are your thoughts on the proposed changes?

BREAK

# Craft3: Home Energy Loan Program in Washington State



**3**  
**CRAFT**

JANUARY 2023

**Martha Pulido**  
Senior Bilingual Consumer Lender

**WASHINGTON HOME  
ENERGY LOANS IN  
PARTNERSHIP WITH  
PACIFIC POWER**



▶▶▶ **OUTLINE**

**1**

INTRODUCING CRAFT<sup>3</sup>

**2**

PROGRAM OVERVIEW

**3**

PROGRAM DETAILS

**CRAFT<sup>3</sup>**



# WHO WE ARE

- Craft3 is a mission-focused Community Development Financial Institution (CDFI).
- Since 1994, Craft3 has invested over \$700 million in entrepreneurs, nonprofits and individuals.
- Home Energy Loans are one way we work towards our mission. We aim to use capital for social good — to build resilience, lessen the racial wealth gap and expand economic opportunity.

# HOME ENERGY LOANS: COMFORT AND SAVINGS

- Our Home Energy Loans help homeowners make energy improvements and invest in their homes, especially when upfront cost is a barrier.
- There's no cost to contractors.
- Since 2018 we've made nearly \$6,000,000 in Home Energy Loans for Pacific Power customers in Washington.



# WHAT'S NEW

- Spanish language marketing materials
- Updates to maximum loan amounts, lower rates for low-income households
- Financing for critical repairs, when completing a rebate-eligible project
- Unsecured Financing: Manufactured Homes and Homes on tribal land





# ▶▶▶ ELIGIBILITY CRITERIA

- Pacific Power customers in Washington can borrow the entire cost of eligible measures up to a maximum loan amount of \$50,000, including critical repairs.
- Projects must be eligible for rebates from Pacific Power. (Contractors will verify rebate eligibility.)
- Perfect credit not required.
- Property must be owner-occupied.
- Detached single-family homes are eligible for all financing offers. Condominiums, townhomes, manufactured homes and small multifamily properties may be eligible for certain offers.

# NO COST WEATHERIZATION

Pacific Power asks that all Trade Allies participating in OBR, make information about no cost weatherization services available to their customers.



## No-cost weatherization services for limited income households

Pacific Power partners with local agencies to provide energy efficiency services to income eligible households. The agencies leverage our funding with federal and state grants so that these services are free to qualified households. The agencies audit homes to determine the cost-effective measures they will install. Measures available may include, but are not limited to insulation, windows, infiltration, showerheads, aerators, LED light bulbs and replacement refrigerators.

Income eligibility levels are tied to federal poverty guidelines, generally change annually and are a bit different in each state. If your household obtained Low Income Home Energy Assistance Program (LIHEAP) energy assistance, it is likely you are income eligible for these weatherization services. LIHEAP is a federally funded program with monies allocated to help income eligible households cover home energy bills, and is administered by state and local agencies.

To learn more about free weatherization services and to apply, contact the agency serving your county listed below:

### Washington

- **Columbia, Garfield and Walla Walla Counties**  
Blue Mountain Action Council  
509-529-4980
- **Lower Yakima County (South of Union Gap)**  
Northwest Community Action Center  
509-865-7630
- **Upper Yakima County (North of Union Gap)**  
Opportunities Industrialization Center of Washington  
509-452-2555

Income guidelines can be found at [pacificpower.net/incomeguidelines](http://pacificpower.net/incomeguidelines) and you'll find ways to save energy and money at [pacificpower.net/wattsmart](http://pacificpower.net/wattsmart).



# CURRENT RATES AND TERMS

ANNUAL HOUSEHOLD INCOME	INTEREST RATE	TERMS	LOAN AMOUNT	LOAN SECURITY FEE	EXAMPLE
More than 100% AMI**	4.99% (5.29% APR*)	Up to 15 years	\$2,500 - \$50,000***	UCC - \$200	\$10,000 loan at 5.29% APR 180 payments of \$80.61 per month
Equal to/less than 100% AMI**	4.49% (4.789% APR*)				\$10,000 loan at 4.789% APR 180 payments of \$78.16 per month

\* APR, Annual Percentage Rate based on example loan criteria.

\*\* The area median income (AMI) is the household income for the median household in a region. AMI is based on HUD Income Limits, See [Income Limits | HUD USER](#) and [Section 8 Income Limits \(huduser.gov\)](#) for more information.

\*\*\* Maximum loan amount is \$25,000 for Loans not secured by a UCC-1A filing.

Loan availability, terms, and conditions current as of 07/11/22 and are subject to change. Examples include financing of loan fees and a \$200 recording fee, where applicable. All loan applications are subject to credit, property, and project approval. Maximum loan amount and Loan to Value apply and are subject to equity value and underwriting requirements for all programs. Applicants must be a customer of Pacific Power in Washington. If a loan is secured by a UCC-1A filing, the filing will be recorded with the county. Subordination may be available with lender approval, fees may apply. Principal balance and interest are due on sale, transfer, refinance, or maturity. Due to Home Energy Loan funding sources, financed projects may require a cultural resource and historic preservation review. If a designation is made, the property owner will be responsible for costs incurred.

# PARTNERING WITH CONTRACTORS

- We're proud of this partnership and looking to strengthen it!
- We're committed to providing contractors and homeowners with excellent service.
- We're building our Spanish language capabilities.



# PROJECT WORKFLOW

▶ CONTRACTOR   ▶ HOMEOWNER   ▶ CRAFT3

- ▶ 1. SUBMIT BID
- ▶ 2. APPLY
- ▶ 3. EVALUATE LOAN APPLICATION
- ▶ 4. SIGN LOAN DOCUMENTS
- ▶ 5. DEPOSIT TO CONTRACTOR
- ▶ 6. INSTALL
- ▶ 7. SUBMIT FINAL INVOICE
- ▶ 8. MAKE FINAL PAYMENT
- ▶ 9. PROCESS INCENTIVES



# STEPS TO APPLYING FOR A HOME ENERGY LOAN

Craft3 supports homeowners every step of the way. Here's how it works:

1. Apply for a loan – Online at [Craft3.org](https://craft3.org) or request a paper application
2. Work with a program approved contractor to finalize a bid
3. Sign your loan documents electronically before work begins, nothing to mail. Up to 50% of the finance amount may be available up-front to contractors
4. Craft3 pays your contractor the remaining balance after the energy upgrade and quality oversight check are complete
5. Repay your loan through your primary heat source utility bill

# OTHER LENDING

## Clean Water Loans

Financing for homeowners to replace or repair a failing septic system.

[CleanWater@Craft3.org](mailto:CleanWater@Craft3.org)

888-231-2170 ext. 125

## Commercial Lending

Financing for small- and mid-sized businesses, with a focus on business that cannot obtain traditional financing.

[LoanInquiry@Craft3.org](mailto:LoanInquiry@Craft3.org)

888-231-2170



# ORDER OUR NEW BROCHURES

## ELEGIBILIDAD

Clientes de Pacific Power en Washington. No se requiere crédito perfecto. El dueño de la casa tiene que vivir en el hogar. Las viviendas unifamiliares son elegibles para todas las ofertas de financiamiento. Los condominios, casas adosadas, casas prefabricadas o casas multifamiliares pueden ser elegibles para ciertas ofertas.

## DETALLES

Tasas de interés competitivas, sin aumento de tasa basado en el puntaje de crédito más bajos. Pagos convenientes a través de su factura de servicios públicos. Puede haber incentivos adicionales de parte del programa o su proveedor de servicios públicos. Su contratista puede determinar si sea elegible. Financie hasta el 100% de las medidas elegibles hasta un monto máximo de préstamo de \$50,000. Sin tarifas de préstamo adelantadas ni multas por pago adelantado.



**COMODIDAD Y AHORROS**  
Mejorando su eficiencia energética en casa puede hacer que su hogar sea más cómodo, valga más, y resulte en grandes ahorros en su factura de servicios públicos. Sin embargo, los gastos iniciales prohíben a muchos dueños de casa que hagan estos mejoramientos.

**UN PRÉSTAMO DISEÑADO PARA SUS NECESIDADES**  
Su préstamo puede pagar el costo entero de mejorar su eficiencia energética con proyectos calificados ya sean instalar una bomba de calor, insular la casa, o modernizar el calentador de agua. Nuestros préstamos han ayudado a cientos de dueños de casa mejorar sus hogares. ¡Esperamos poder ayudarle!

**PRÉSTAMOS DE ENERGÍA PARA HOGARES EN WASHINGTON JUNTOS CON PACIFIC POWER**

**WASHINGTON HOME ENERGY LOANS IN PARTNERSHIP WITH PACIFIC POWER**

## COMFORT AND SAVINGS

Energy improvements can make your home more comfortable, more valuable, and mean big savings on your monthly utility bills. The upfront costs, however, prevent many homeowners from making improvements.

## A LOAN DESIGNED TO MEET YOUR NEEDS

You can borrow the full cost of eligible energy improvements whether it's installing a heat pump, insulating your home, or upgrading your hot water heater. Our financing has helped hundreds of homeowners make a change for the better. We look forward to helping you!

## ELIGIBILITY

Offered to Pacific Power customers in Washington. Perfect credit not required. Property must be owner-occupied. Detached single-family homes are eligible for all financing offers. Condominiums, townhomes, manufactured homes and small multifamily properties may be eligible for certain offers.

## DETAILS

Competitive interest rates, with no rate increase for lower credit scores. Convenient repayment through your utility bill. Additional program or utility incentives may be available. Your contractor can determine eligibility. Finance up to 100 percent of eligible measures up to a maximum loan amount of \$50,000. No up-front loan fees or pre-payment penalties.

## RATES & TERMS

Homeowners can finance a wide range of rebate-eligible projects. You may also be able to finance critical repairs required in order to undertake a rebate eligible project. Critical repairs could include mold abatement; asbestos removal; leak repairs, including relevant wall and floor replacement; roof repair/replacement; rodent/pest removal and prevention; electrical upgrades including panel replacement; and air quality improvement. For more information about the sorts of projects you can finance go to [wattsmarketsavings.net/washington-residential/](http://wattsmarketsavings.net/washington-residential/). Low-income households may be eligible for additional low-cost services; go to [pacificpower.net](http://pacificpower.net) to learn more.



Annual Household Income	Interest Rate	Terms	Loan Amount	Loan Security Fee	Examples
More than 100% AMI**	4.99% (5.29% APR*)	Up to 15 years	\$2,500 - \$50,000***	UCC - \$200	\$10,000 loan at 5.29% APR 180 payments of \$80.61 per month
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\* APR, Annual Percentage Rate based on example loan criteria.  
\*\* The area median income (AMI) is the household income for the median household in a region. AMI is based on HUD Income Limits. See Income Limits, HUD USER and Section 8 Income Limits Brochure.gov for more information.  
\*\*\* Maximum loan amount is \$25,000 for Loans not secured by a UCC-1A filing.  
Loan availability, terms, and conditions current as of 07/11/22 and are subject to change. Examples include financing of loan fees and a \$200 recording fee, where applicable. All loan applications are subject to credit, property, and project approval. Maximum loan amount and Loan to Value apply and are subject to equity value and underwriting requirements for all programs. Applicants must be a customer of Pacific Power in Washington. If a loan is insured by a UCC-1A filing, the filing will be recorded with the county. Subordination may be available with lender approval. Fees may apply. Principal balance and interest are due on sale, transfer, refinancing, or maturity. Due to Home Energy Loan funding sources, financed projects may require a cultural resource and historic preservation review. If a designation is made, the property owner will be responsible for costs incurred.



## FINANCING YOUR HOME ENERGY PROJECT WITH CRAFT3

**Apply**  
Our online application ([www.Craft3.org/HomeEnergyWash](http://www.Craft3.org/HomeEnergyWash)) is user-friendly and we're standing by to help. Pre-approval in as few as three to five business days.

**Plan**  
Work with your contractor to finalize project cost. NOTE: Your contractor must be approved as a trade ally by the program and/or utility. Email us at [HomeEnergy@Craft3.org](mailto:HomeEnergy@Craft3.org) for more information.

**Sign**  
Securely sign your electronic loan documents. By request, document signing is also available via postal mail.

**Install**  
When your loan documents are signed, your contractor can get to work. When you're satisfied with the work, you authorize final payment to your contractor. NOTE: Some programs require a post-project review before final payment can be made to your contractor.

**Repay**  
Repay your loan with automated payments through your utility bill.

Craft3 is a non-bank nonprofit community lender. We help homeowners across Oregon and Washington finance energy upgrades, replace failing septic systems, build Accessory Dwelling Units (ADUs) and replace aging manufactured homes. We also lend to established and growing start-up businesses - including many that don't qualify for traditional loans. Craft3 loan documents and application are only available in English. Before choosing a loan, be sure that you have read and understood all of the applicable terms and conditions. Craft3 is an equal opportunity lender, provider and employer. 7.22.2022

## FINANCIE SU PROYECTO DE EFICIENCIA ENERGÉTICA CON CRAFT3

**Solicitar**  
Nuestra aplicación en línea ([www.Craft3.org/HomeEnergyWash](http://www.Craft3.org/HomeEnergyWash)) es fácil de usar y estamos listos para ayudarle. Puede precalificar con tan solo tres a cinco días de negocio.

**Planear**  
Trabaje con su contratista para determinar el costo del proyecto. AVISO: El programa o su proveedor de servicios públicos tiene que aprobar su contratista. Envíenos un correo electrónico para aprender más.

**Firmar**  
Firme sus documentos de préstamo electrónicamente de forma segura. A petición, la firma de documentos también está disponible por correo postal.

**Instalar**  
Después de firmar todos los documentos, el contratista puede comenzar el proyecto. Cuando usted esté satisfecho con el trabajo, autorice el pago final al contratista. AVISO: Algunos programas requieren que haya una inspección final antes del pago final al contratista.

**Pagar**  
Pagar el préstamo por pagos automáticos en su factura de servicios públicos.

Craft3 es un prestamista no bancario sin fin de lucro que sirve a la comunidad. Ayudamos a propietarios en Oregon y Washington financiar mejoramientos de eficiencia energética, reemplazar sistemas sépticos fallidos, construir unidades de vivienda adicionales, y reemplazar viejas casas prefabricadas. También tenemos préstamos a otras empresas sin fin de lucro y las nuevas empresas - incluso muchos que no pueden obtener financiación tradicional. Solicitudes y documentos de préstamos están disponibles solo en inglés. Antes de escoger un préstamo, asegúrese de haber leído y entendido todos los términos y condiciones previos. Craft3 es un prestamista, proveedor, y empleador de igualdad de oportunidad. 22.07.2022



## TASAS DE INTERÉS Y TÉRMINOS

Pueden financiar una amplia variedad de proyectos elegibles para reembolsos. También es posible que pueda financiar las reparaciones críticas necesarias para llevar a cabo un proyecto elegible para reembolso. Las reparaciones críticas podrían incluir la reducción del mocho; eliminación de amianto; reparaciones de fugas, incluido el reemplazo de paredes y pisos; reparación/reemplazo de techos; eliminación y prevención de roedores/plagas; actualizaciones eléctricas, incluido el reemplazo del panel eléctrico; y mejora de la calidad del aire. Para obtener más información sobre los tipos de proyectos que puede financiar: [wattsmarketsavings.net/washington-residential/](http://wattsmarketsavings.net/washington-residential/). Familias de bajos ingresos pueden calificar para otros servicios de bajo costo. Hay más información aquí: [pacificpower.net](http://pacificpower.net).

Ingreso anual del hogar	Tasas de Interés	Términos	Monto del Préstamo	Costo de registrar el colateral	Ejemplos
Más de 100% AMI**	4.99% (5.29% APR*)	Hasta 15 años	\$2,500 - \$50,000***	UCC - \$200	\$10,000 prestado a 5.29% APR, 180 pagos mensuales de \$80.61
Hasta 100% AMI**	4.49% (4.789% APR*)				\$10,000 prestado a 4.789% APR, 180 pagos mensuales de \$78.16

\* Tasa de Porcentaje Anual (Annual Percentage Rate o APR) basado en los criterios en los ejemplos.  
\*\* Ingreso mediano del área (area median income o AMI) es el ingreso del hogar para el hogar mediano en un área. AMI se base en los límites de ingreso de HUD. Ingreso Límite - HUD USER y Section 8 Income Limits Brochure.gov para más información.  
\*\*\* El saldo máximo para préstamos sin fianza hipotecaria (UCC-1A) es \$25,000. Disponibilidad de préstamo, términos, y condiciones son válidos al 11 de julio de 2022 y están sujetos a cambio. Ejemplos en el cuadro incluyen financiar los costos de préstamo y registrar el colateral de \$200, donde se requiere. Solicitantes están sujetos a aprobación al crédito, propiedad inmobiliaria, y proyecto. Monto máximo está sujeto a cambiar basado en el valor inmobiliario, y requisitos de aseguramiento de los varios programas. Solicitantes deben ser clientes de Pacific Power en Washington. Si hay un derecho de retención UCC-1A, se registrará el documento con el condado donde se encuentre la propiedad. Se puede subalternar el préstamo con aprobación del prestamista, puede haber costos adicionales. Se requiere pagar el saldo o interés al vender o transferir la propiedad, o cuando se amortice el préstamo. Debido a las fuentes fiscales de estos programas, puede ser necesario tener una inspección de recursos culturales o histórico. Si tal inspección sea necesaria, el dueño de la propiedad será responsable de pagar los costos asociados.

[www.Craft3.org/HomeEnergyWash](http://www.Craft3.org/HomeEnergyWash) | [HomeEnergy@Craft3.org](mailto:HomeEnergy@Craft3.org) | 888-231-2170, ext. 225 | NMLS ID 390159



THE HOME ENERGY LENDING TEAM IS READY TO HELP

▶▶▶ **THANKS FOR YOUR TIME!**



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# Public Comments

# Next Steps



What's your big takeaway  
from today's conversation?

# Washington Equity Advisory Group 2023 Meeting Schedule

Date / Time / Meeting Format	Proposed Agenda Topics*
January 12th, 1pm-4pm (PST) <a href="#">Online</a>	Washington Rate Case; Craft3 WA Home Energy Loan Program Community Connections
February 9th, 1pm-4pm (PST) <a href="#">Online</a>	Transportation Electrification Washington Plan Filing, Feedback, and CBI Update EAG Spotlight & Community Connections
March 9th, 1pm-4pm (PST) <a href="#">Hybrid</a>	Demand Response Washington Filing and CBI Update Energy Efficiency Updates (System Benefits Charge Review) EAG Spotlight & Community Connections
April 13th, 1pm-4pm (PST) <a href="#">Online</a>	Communications Team Vision & Updates; CBI Updates EAG Spotlight & Community Connections
May (Dates TBD)	Local, in-person visits with the WA Equity Advisory Group Presentation: Wildfire Mitigation
June 8th, 1pm-4pm (PST) <a href="#">Online</a>	CEIP Annual Progress Report Check In; Energy Efficiency Updates (including CBIs) EAG Spotlight & Community Connections
July 13th, 1pm-4pm (PST) <a href="#">Hybrid</a>	Filed CEIP Annual Progress Report & Feedback; WA Non-Energy Impacts Updates EAG Spotlight & Community Connections
<b>August</b>	<b>No Meeting</b>
September 14th, 1pm-4pm (PST) <a href="#">Online</a>	Energy Efficiency Updates (Preview Biennial Conservation Plan and program changes) EAG Spotlight & Community Connections
October 12th, 1pm-4pm (PST) <a href="#">Hybrid</a>	Energy Efficiency Updates EAG Spotlight & Community Connections
<b>November</b>	<b>No Meeting</b>
December 7th, 1pm-4pm (PST) <a href="#">Online</a>	End of the Year Survey and Reflection; 2024 Planning

\*Proposed agenda topics may be subject to change  
CEIP: Clean Energy Implementation Plan  
CBI: Customer Benefit Indicator

# Next Steps

- 1. Materials.** We will share and post January 2022 EAG Meeting materials in advance of the **next meeting on February 9, 1-4 pm PST**, with materials also available in Spanish.
- 2. 2023 Planning.** The March EAG Meeting site location will be shared during February's EAG Meeting. Additionally, a copy of PacifiCorp's travel reimbursement policy will also be shared following the meeting.

# Appendix

# Appendix

## Single-Family LIBA Customer Calculation of Typical Net Bills

Season	Month	kWh <sup>1</sup>		Present					Proposed				Change	
				Basic Charge \$	Energy Charge		\$	Total \$	Basic Charge \$	Energy Charge		Total \$		
		0-600	> 600		\$ Per kWh	\$				\$ Per kWh	\$			
		A	B	C	D	E	F =A*D+B*E	G =(C+F)*85%	H	I	J =(A+B)*I	K =(H+J)*85%	L =K-G	M =L/G
Winter	October	600	304	7.75	0.08087	0.11009	82.03	76.31	10.00	0.09113	82.41	78.55	2.24	2.9%
	November	600	975	7.75	0.08087	0.11009	155.82	139.03	10.00	0.09113	143.49	130.47	(8.56)	-6.2%
	December	600	1,756	7.75	0.08087	0.11009	241.86	212.17	10.00	0.09113	214.71	191.00	(21.17)	-10.0%
	January	600	1,871	7.75	0.08087	0.11009	254.53	222.94	10.00	0.09113	225.20	199.92	(23.02)	-10.3%
	February	600	1,582	7.75	0.08087	0.11009	222.67	195.86	10.00	0.09113	198.83	177.51	(18.35)	-9.4%
	March	600	1,227	7.75	0.08087	0.11009	183.60	162.65	10.00	0.09113	166.49	150.02	(12.63)	-7.8%
	April	600	669	7.75	0.08087	0.11009	122.20	110.46	10.00	0.09113	115.67	106.82	(3.64)	-3.3%
	May	600	282	7.75	0.08087	0.11009	79.53	74.19	10.00	0.09113	80.34	76.79	2.60	3.5%
Summer	June	600	315	7.75	0.08087	0.11009	83.16	77.27	10.00	0.10667	97.57	91.43	14.16	18.3%
	July	600	732	7.75	0.08087	0.11009	129.13	116.35	10.00	0.10667	142.10	129.29	12.94	11.1%
	August	600	796	7.75	0.08087	0.11009	136.17	122.33	10.00	0.10667	148.93	135.09	12.76	10.4%
	September	600	393	7.75	0.08087	0.11009	91.80	84.62	10.00	0.10667	105.93	98.54	13.92	16.5%
Winter Total								1,193.61				1,111.08	(82.53)	-6.9%
Summer Total								400.57				454.35	53.78	13.4%
Annual Total								1,594.18				1,565.43	(28.75)	-1.8%

<sup>1</sup> 2021 Residential Survey Average for Single-Family customers receiving LIBA net bill credits at 15 percent (see Schedule 17 for details).

2024 Forecast Wholesale ¢ per kWh at Mid-C Trading Hub					
Month	Annual	Summer	Winter	Seasonal Difference	50%*Seasonal Difference
January	9.0		9.0		
February	7.9		7.9		
March	6.4		6.4		
April	4.1		4.1		
May	3.7		3.7		
June	3.7	3.7			
July	11.3	11.3			
August	13.0	13.0			
September	10.6	10.6			
October	6.3		6.3		
November	6.7		6.7		
December	8.1		8.1		
Average	7.6	9.6	6.5	3.1	1.6

Calculation of Example Residential Rate Design				
	12 Months Ending June 2022	Single-Family Bills	1,076,409	A
	12 Months Ending June 2022	Multi-Family Bills	252,491	B
	12 Months Ending June 2022	0-600 kWh	717,227,158	C
	12 Months Ending June 2022	> 600 kWh	900,390,889	D
	12 Months Ending June 2022	Summer kWh	469,418,018	E
	12 Months Ending June 2022	Winter kWh	1,148,200,029	F
	Present \$ per	Bill	7.75000	G
	Present \$ per	0-600 kWh	0.08276	H
	Present \$ per	> 600 kWh	0.11198	I
	Present \$	Bills	10,298,978	$J=(A+B)*G$
	Present \$	kWh	160,183,491	$K=C*H+D*I$
	Proposed \$	Bills	12,720,899	$L=A*N+B*O$
	Proposed \$	kWh	157,761,570	$M=J+K-L$
	Proposed \$ per	Single-Family Bill	10.00000	N
	Proposed \$ per	Multi-Family Bill	7.75000	O
	Proposed \$ per	Summer kWh	0.10856	$P=(M+F*1.6/100)/(E+F)$
	Proposed \$ per	Winter kWh	0.09302	$Q=(M-E*1.6/100)/(E+F)$
Rider Schedules 92,93,94,191,97,98,99,197	Present \$ per	kWh	(0.00189)	R
Rider Schedule 91 (LIBA Surcharge)	Present \$ per	Bill	2.00000	S
Net	Present \$ per	Bill	9.75000	$T=G+S$
Net for LIBA Recipients	Present \$ per	Bill	7.75000	$U=G$
Net	Present \$ per	0-600 kWh	0.08087	$V=H+R$
Net	Present \$ per	> 600 kWh	0.11009	$W=I+R$
Net	Proposed \$ per	Single-Family Bill	12.00000	$X=N+S$
Net	Proposed \$ per	Multi-Family Bill	9.75000	$Y=O+S$
Net for LIBA Recipients	Proposed \$ per	Single-Family Bill	10.00000	$Z=N$
Net for LIBA Recipients	Proposed \$ per	Multi-Family Bill	7.75000	$AA=O$
Net	Proposed \$ per	Summer kWh	0.10667	$BB=P+R$
Net	Proposed \$ per	Winter kWh	0.09113	$CC=Q+R$
Annualized Net	Proposed \$ per	kWh	0.09564	$DD=M/(E+F)+R$

# Pacific Power's Base Charge Does Not Cover Fixed Costs

	Total Residential	Single-Family	Multi-Family	Difference
Poles and Conductors	\$10.30	\$10.30	\$10.30	\$0.00
Line Transformers	\$2.87	\$3.30	\$1.04	-\$2.26
Service Drops	\$2.40	\$2.40	\$2.40	\$0.00
Meters	\$0.72	\$0.72	\$0.72	\$0.00
Customer Service	\$4.92	\$4.92	\$4.92	\$0.00
Corporate Overheads	\$3.67	\$3.67	\$3.67	\$0.00
<b>Total Cost</b>	<b>\$24.89</b>	<b>\$25.32</b>	<b>\$23.06</b>	<b>-\$2.26</b>

Present Basic Charge		\$7.75	\$7.75	\$0.00
Proposed Basic Charge		<b>\$10.00</b>	<b>\$7.75</b>	-\$2.25

# Usage by Household Size

Household Size	Average Monthly kWh by Tier	
	0-600	> 600
1	510	384
2	565	673
3	580	795
4	581	839
5	585	1,014
6+	594	1,246

# Usage by Primary Heating Type

Primary Heating Fuel	Average Monthly kWh by Tier	
	0-600	> 600
Electricity	569	842
Natural Gas, Propane, Oil, Wood, or Pellets	542	464

# Example Residential Rate Design

- Proposed Rate Design assumes no change in Total Revenue collected

	Revenue From Charges Per		Total
	Bill (Basic)	kWh (Energy)	
Present (\$m)	10.3	160.2	170.5
Present Percent	6%	94%	100%
Proposed (\$m)	12.7	157.8	170.5
Proposed Percent	7%	93%	100%

# Proposed Rate Change Benefit: Vehicle Electrification

Gas Vehicle to Electric Vehicle Savings moves from 69% to 73%

Gas to Electric Savings Estimate				
Vehicle	Price	\$ Per		Savings
		kWh	Gallon of Gas <sup>1</sup>	
Gas	Present		3.50	
Electric	Present 2nd Tier	0.110	1.10	69%
Electric	Proposed Summer	0.107	1.07	70%
Electric	Proposed Winter	0.091	0.91	74%
Electric	Proposed Annualized	0.096	0.96	73%

<sup>1</sup> Assume:  
 3 miles per kWh  
 30 miles per Gallon of Gas  
 = 10 kWh per Gallon of Gas

# Proposed Rate Change Benefit: Heating Electrification

Gas Furnace to Heat Pump Savings moves from 21% to 34%

Gas to Electric Savings Estimate					
Appliance	Efficiency	Price	\$ Per		Savings
			kWh	Therm <sup>1</sup>	
Gas Furnace	96% AFUE	Present		1.35	
Electric Heat Pump	300% COP	Present 2nd Tier	0.11	1.08	21%
Electric Heat Pump	300% COP	Proposed Winter	0.09	0.89	34%
Electric Baseboard	100%	Proposed Winter	0.09	2.67	-97%

<sup>1</sup> Assume:

Cascade Natural Gas Prices effective November 1, 2022

1 therm = 29.3 kWh

Adjustment to \$ Per Therm for Appliance Efficiency

(COP = Coefficient of Performance; AFUE = Annualized Fuel Utilization Efficiency)