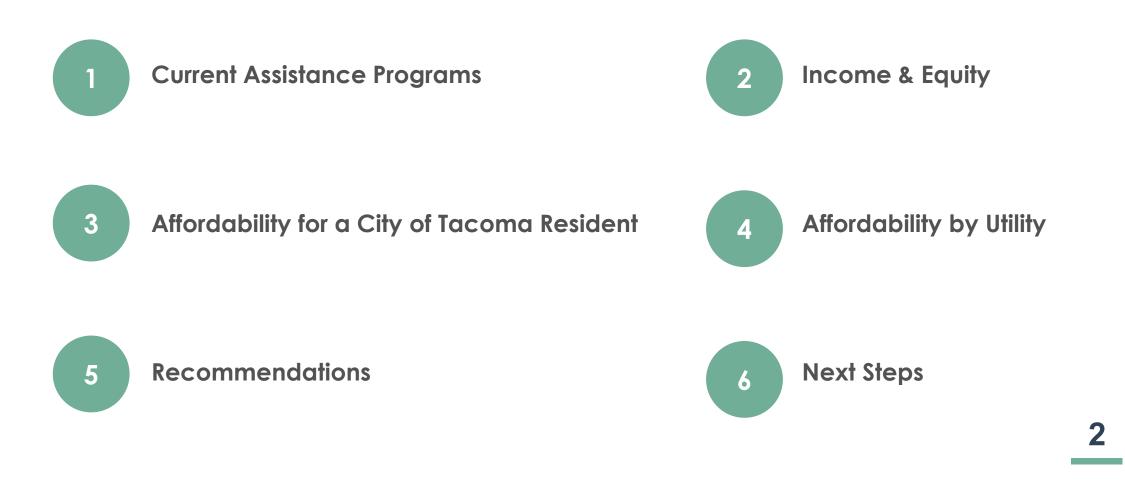


Affordability

Public Utility Meeting July 8, 2020







CURRENT PROGRAMS

Discount Rate Program (LIE/D)	Bill Credit Assistance Plan (BCAP)	Emergency Assistance (EAP)
< 150% poverty level	 < 150% poverty level 	 < 200% poverty level
 30% discount on entire bill 	 Monthly credit 	 One-time credit due to COVID
 Embedded in rate-design 	 Budget expense 	 Budget expense
 62+ years or disabled 	 15% - 20% of average bill 	
 \$3.0 million discounted in 2019 	 \$211,179 disbursed in 2019 	 \$1.7 million disbursed in 2020
 5% of residential customers eligible 	 11% of residential customers eligible 	 25% of residential customers eligible
 57% of eligible customers participate 	 6% of eligible customers participate 	 16% of eligible customers participate
• Last updated in 2011	 Implemented in 2016 	• Effective in 2020



PROGRAM DESIGN BY UTILITY

Program Design	Power	Water	Solid Waste	Surface Water	Wastewater
Average Monthly Bill	\$94	\$41*	\$33	\$26	\$50
Monthly BCAP	\$21	\$7	\$7	\$4	\$8
Income Eligibility	150% federal poverty level				
Monthly Discount Rate	30% discount on monthly bill				

* Average monthly bill for residential single family inside City of Tacoma.



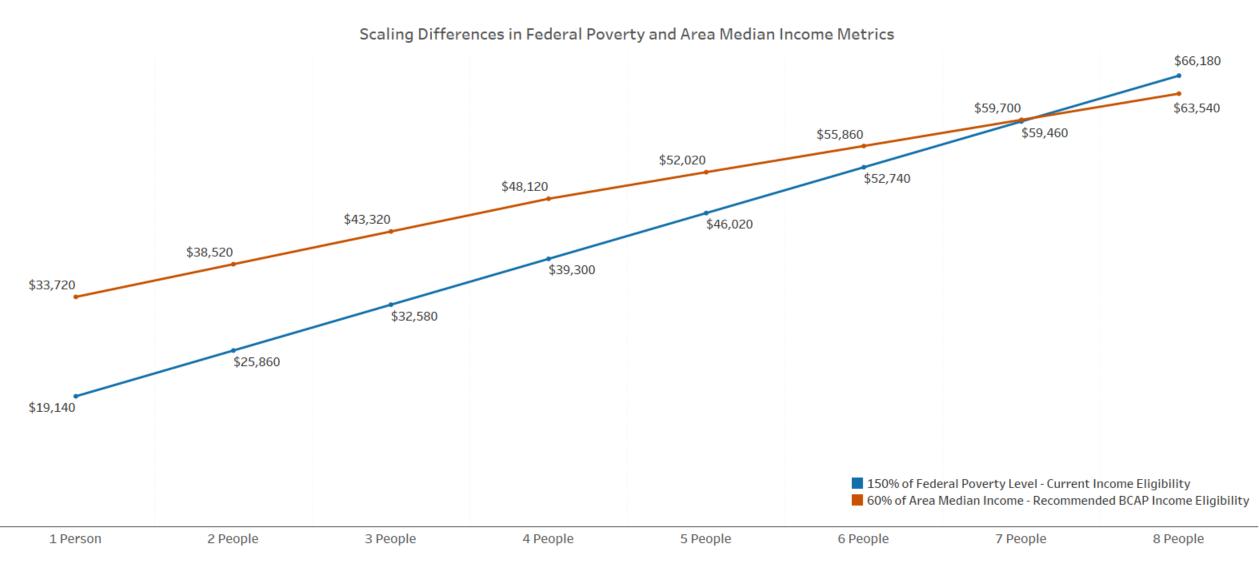
INCOME & HOUSEHOLD SIZE

Current Program Participant Demographic

Assistance Program	Average Monthly Income	Average Household Size	
Discount Rate	\$651	1.5	
BCAP	\$609	2.5	
Emergency Assistance	\$1,844	3.0	5

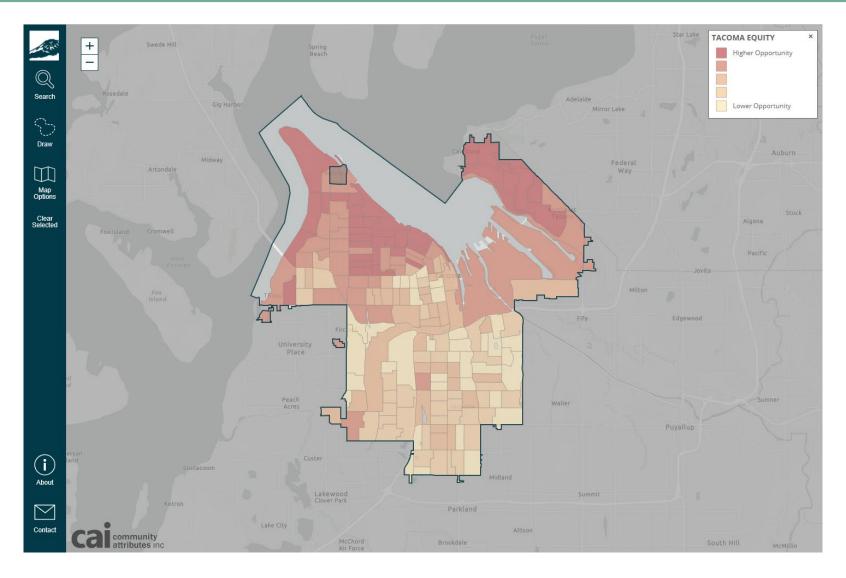


POVERTY THRESHOLDS





ASSISTANCE BY EQUITY INDEX





AFFORDABILITY MEASURES

Measures	Power	Water	Wastewater	Surface Water	Solid Waste	
Average Monthly Bill	\$94	\$41	\$33	\$26	\$50	
Income Eligibility	150% federal poverty level					
	6.0%	2.5% 2.0%		6.0% 2.5% 2.0% 0.5%		1.0%
Affordability Metric	Internal draft target	Environmental Protection Agency (EPA) standard		Internal draft to bill @ medi		



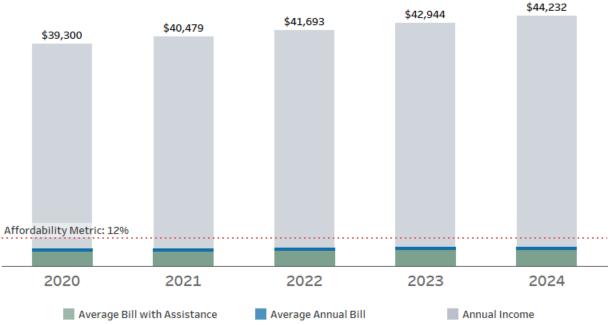
\$29,106

PROPOSED METRIC

Monitoring the Income Burden of an Average Utility Bill

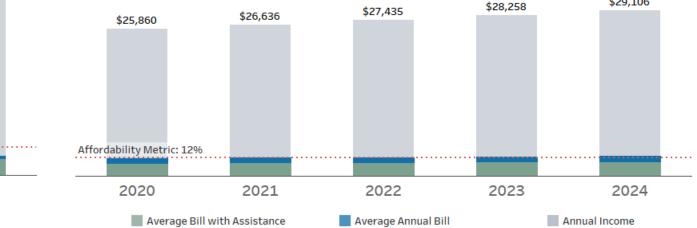


Family of Four: Rate Adjustments Remain Affordable





Family of Two (65+): Rate Adjustments are Becoming a Burden



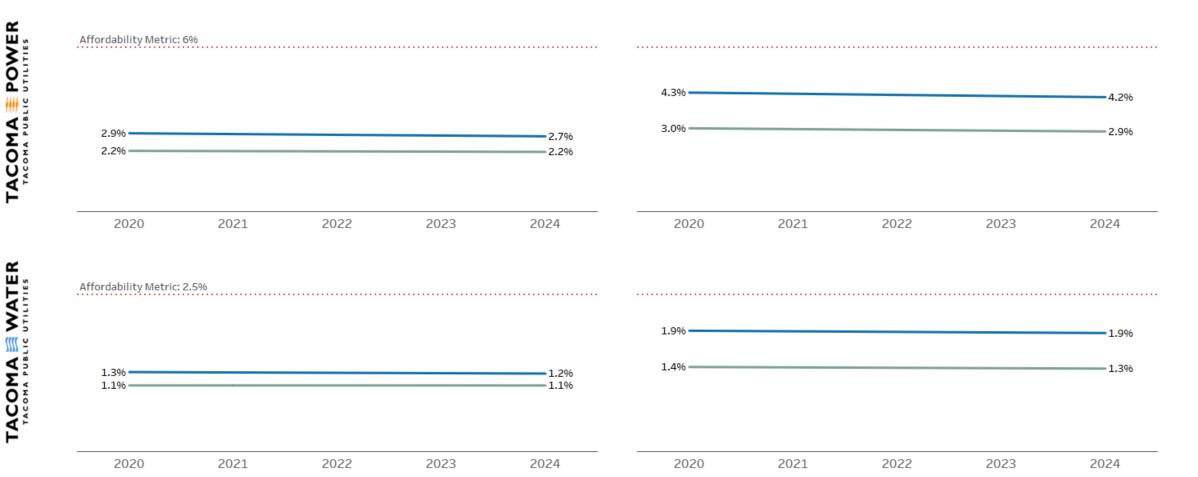
% of Burden on Income: Annual Utility Bill / 150% Federal Poverty Level (DHHS, escalated by 2% annually).



CURRENT METRICS BY UTILITY







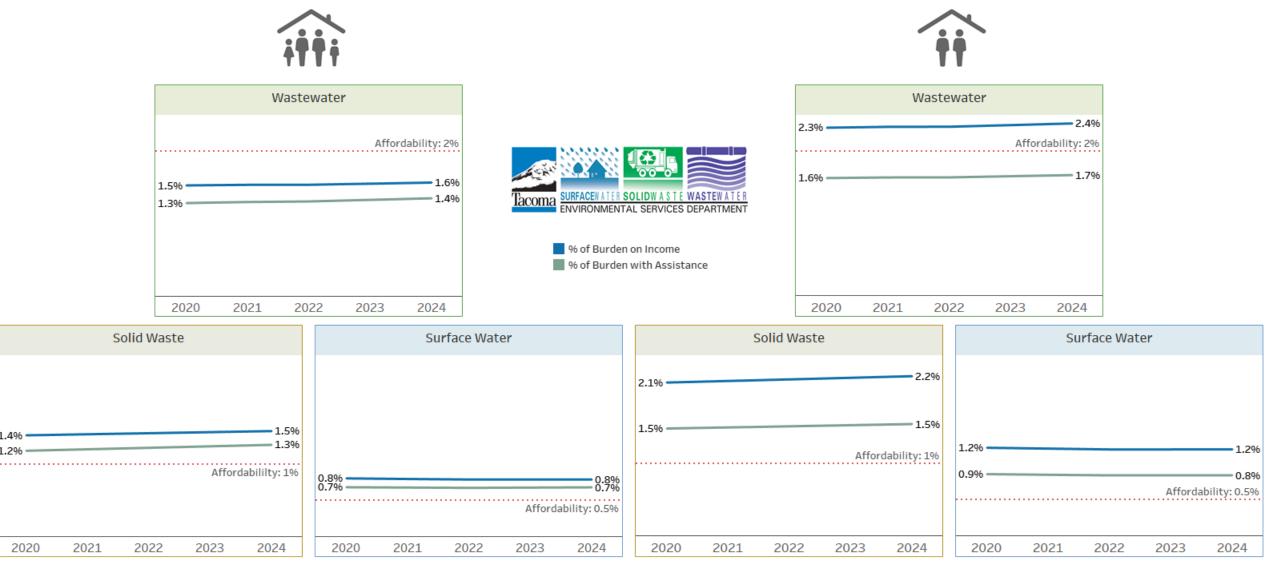


CURRENT METRICS BY UTILITY

1.4%

1.2%

2020





RECOMMENDED CHANGES

Consideration	Current	Recommendations (preliminary)	Explanation
Affordability Metric	N/A	12.0% of income	Establishes a metric for monitoring affordability
BCAP	\$47 credit per month	\$56 credit per month	Reset to align with 20% of average monthly bill
BCAP Income Eligibility	150% federal poverty	60% median income	Expands eligibility
Discount Rate	30% discount	35% discount	Maintains affordability



RECOMMENDATIONS BY UTILITY

Recommendation	Power	Water	Solid Waste	Surface Water	Wastewater
Affordability Metric	6.0%	2.5%	1.0%	0.5%	2.0%
Reset Monthly BCAP	\$21 → \$21*	\$7 → \$9	\$7 → \$10	\$4 → \$5	\$8→\$11
BCAP Income Eligibility	150% federal poverty level \rightarrow 60% of area median income				come
Increase Discount Rate	30% discount on bill $ ightarrow$ 35% discount on bill				

* Power's current BCAP credit exceeds the 20% average monthly bill target.



••• FINANCIAL IMPACT BY UTILITY

2021-2022 Impact	Power	Water	Solid Waste	Surface Water	Wastewater
Reset BCAP	Unchanged *	↑ \$75,000		Unchanged *	
Expand BCAP Eligibility	Unchanged *	↑ \$75,000	Unchanged *		
Increase Discount Rate	↑ \$640,000	↑\$140,000	↑ \$182,000	↑ \$72,000	↑\$169,000

* Budget remains unchanged from the 2019-2020 biennium.



NEXT STEPS



Board & Council Support of Concept



Modeling Budget & Rate Impacts

3 Public Outreach



Legislative Approval



Changes Effective 01/01/2021



Continued Monitoring



Affordability

Public Utility Meeting July 8, 2020

Serving our customers

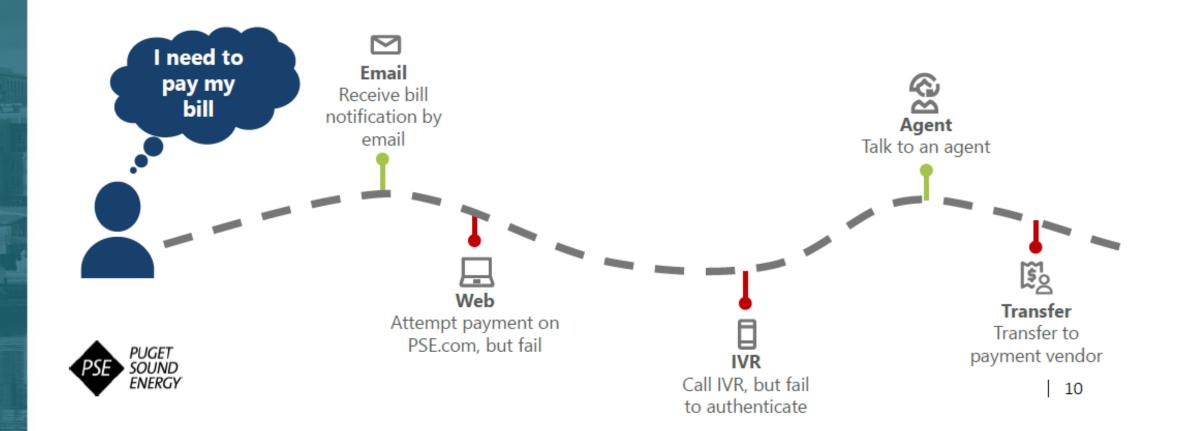


Enhancing the TPU Customer Experience

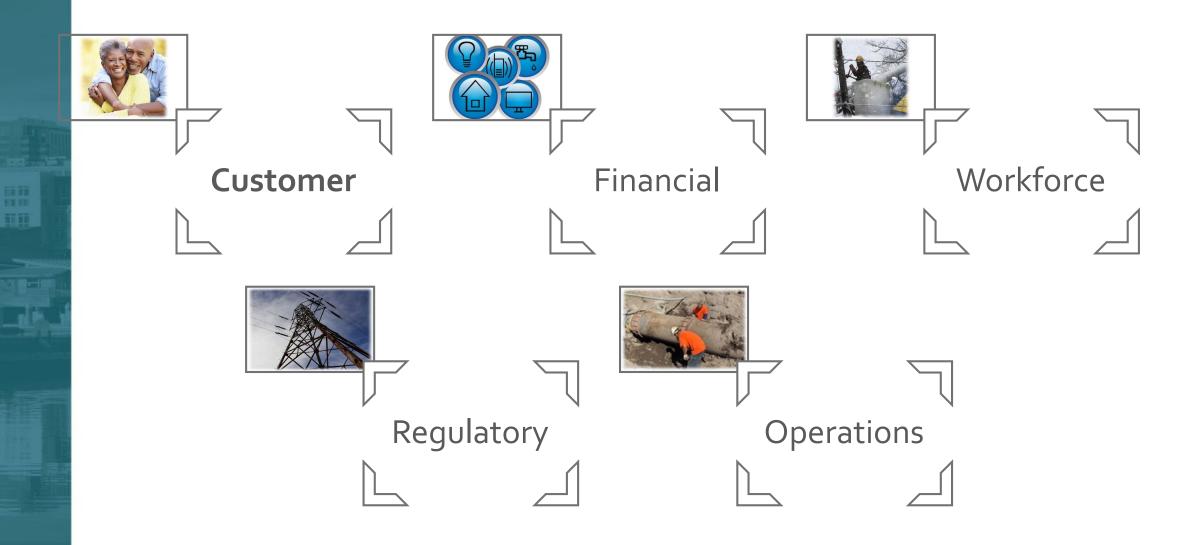
Joe Tellez, Chief Technology Officer Dan Drennan, Marketing & Development Manager

- Customer Experience (CX):
 - The customer's perceptions and related feelings caused by the one-off and cumulative effect of interactions with a supplier's employees, systems, channels or products.

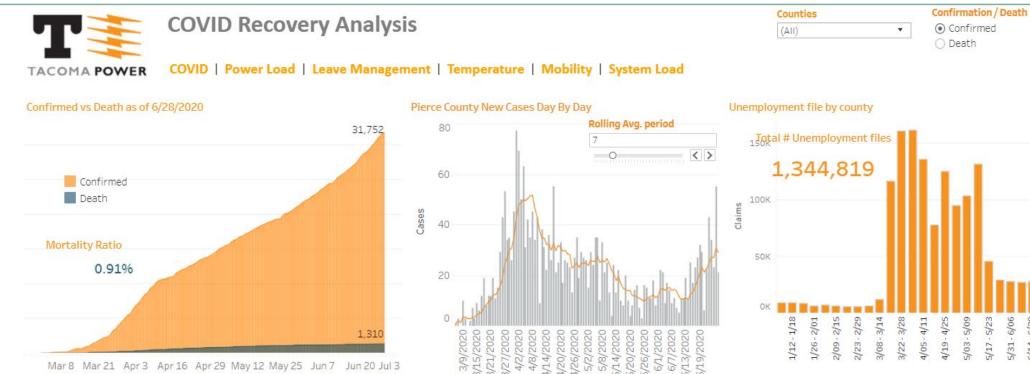
Multi-channel analytics at PSE



Broad COVID 19 utility impacts



Responding to COVID 19 via customer analytics



Mar 8 Mar 21 Apr 3 Apr 16 Apr 29 May 12 May 25 Jun 7 Jun 20 Jul 3

May 1

Jun 1

of tests in WA over time

Mar 1

Negative

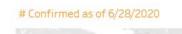
Total tests

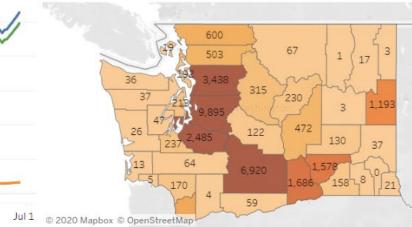
Apr 1

Positive

500K

400K





Pierce County Cities

Location	Confirmed	Death
Bonney Lake	51	3
Central Pierce County	168	9
East Pierce County	63	3
Edgewood/Fife/Milton	110	8
Frederickson	83	2
Gig Harbor Area	65	1
Graham	75	0
Key Peninsula	11	1
Lake Tapps/Sumner Ar	66	0
Lakewood	261	5
Parkland	146	3
Puyallup	172	9
South Hill	128	2

5/17 - 5/23 5/31-6/06

5/14 - 6/20

Analytics helps peer utilities respond to COVID 19

District COVID-19 Snohomish County Insights

last refreshed May 14, 2020 06:01 PM

x B Y E ...

Local Unemployment Insights

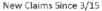
Initial (new) Unemployment Claims for our community, by county. This data is updated weekly. Sustained claims can be viewed at this dashboard on the WA State Employment Security Department. It is updated monthly.

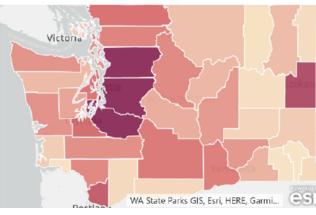
In the week ending May 9, Washington saw 103,990 new claims, a 8.9% change over the week prior, for a total of 978,241 since 3/15. In the same week, Snohomish County saw 11,677 new claims, a 7.5% change, for a total of 132,417 since 3/15.

Initial claims by Week and County

County OKING OPERCE SKAGIT SNOHOMISH







County	Snohomi	eh	King		Skagit		Pierce	
					-			
Industry	Claims	%	Claims	%	Claims	%	Claims	%
Accommodation and food services	12,755	10%	42,202	14%	1,956	11%	13,969	119
Manufacturing	23,420	18%	24.730	8%	2,039	11%	12.771	109
Health care and social assistance	13.472	10%	32.09 1	11%	2,115	12%	14,739	119
Retail trade	13,709	10%	30,822	10%	1,942	11%	13,999	119
Unknown	7.064	5%	45,546	15%	279	2%	6,054	59
Construction	15,692	12%	20,646	7%	2,608	14%	16,232	129
Not disclosed	11.302	9%	6.605	2%	2.349	13%	12.929	109
Administrative and waste services	5.939	4%	14.164	5%	598	3%	6.705	5%
Other services, except public administration	5,503	4%	14,155	5%	727	4%	6,427	59
Arts, entertainment, and recreation	5.077	4%	10.603	3%	931	5%	5.524	49
Educational services	3,585	3%	11,073	4%	533	3%	4,088	39
Transportation and warehousing	2,188	2%	10,91 1	4%	320	2%	5,113	49
Professional and technical services	3,376	3%	12.082	4%	306	2%	2,765	29
Wholesale trade	3,454	3%	9,235	3%	387	2%	4,906	49
Information	1,363	196	6,706	2%	144	1%	883	19
Real estate and rental and leasing	1,304	1%	4,873	2%	147	1%	1,554	19
Government	1.483	1%	2.694	1%	357	2%	1.897	19
Finance and insurance	1.057	1%	2.908	1%	100	1%	1.076	19
Agriculture, forestry, fishing and hunting	322	0%	435	0%	249	1%	277	09
Total	132,513	100%	303,083	100%	18,114	100%	132,246	1009

New Claims by Industry Since 3/15 (totals may not match those above)

Snohomish County Specific COVID-19 Cases

Information for Snohomish County being sourced from the County Heath District.

A dashboard is also maintained by Snohomish County. The numbers between the two may

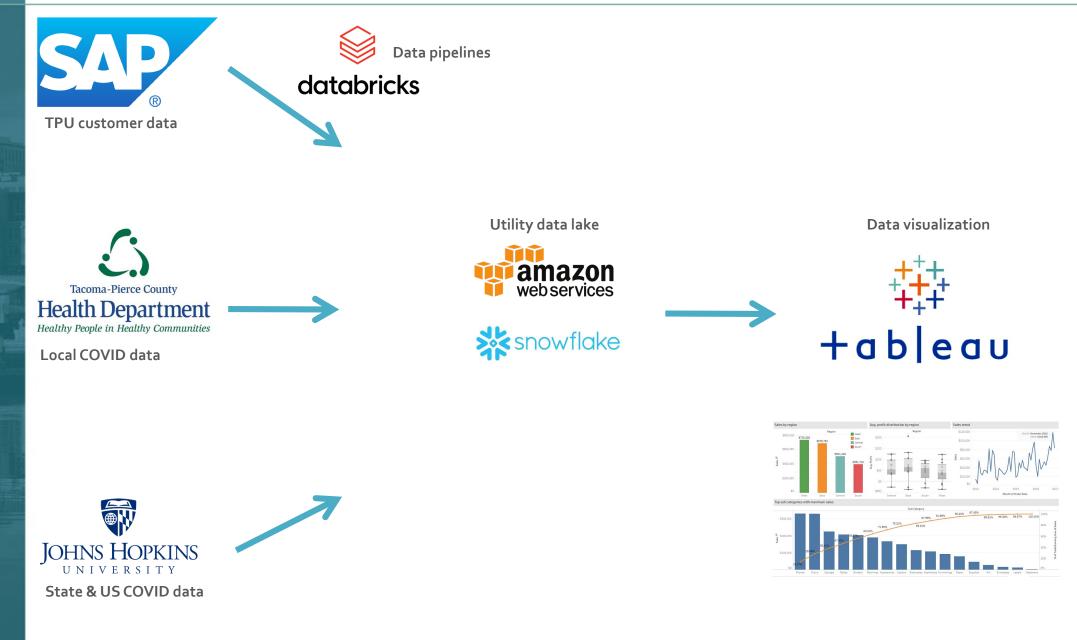
differ due to being updated by their managers at different times.

data as of May 14, 2020 03:00 PM

Cases	Status	
2,754	50	1 22
Confirmed	Hospitalized	Deceased
24	525	2.212
New in 1 Day	Isolated	Recovered
295 Probable	140 Under investigation	1

City	Current Cases	New in Last 1 day
Everett	876	10
Edmonds	313	8
Bothell	200	3
Lynnwood	588	3
Stanwood	95	3
Lake Stevens	116	2
Marysville	232	2
Snohomish	140	2
Arlington	115	1
Granite Falls	24	1
Monroe	74	1
Mountlake Terrace	100	1
Mukilteo	54	1
Tulalip	19	1
Woodway	8	1
Brier	19	0
Darrington	5	0
Gold Bar	5	0
Index	0	0
Mill Creek	48	C

Utility data lake to enable analytics



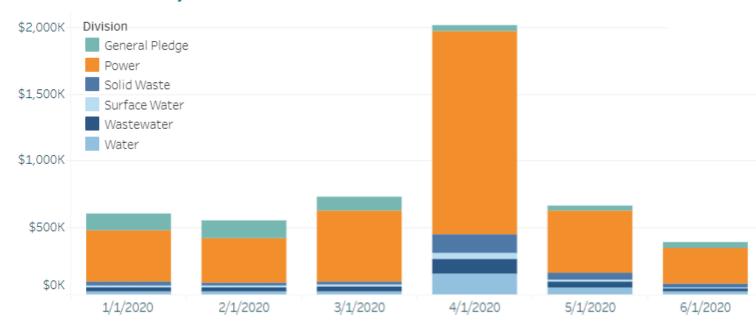
TPU CX Analytics Key Insights



TPU customer bill assistance in 2020

Unique Customers: 15,810 Total Amounts: \$4,954,428

Assistance Amount by Month



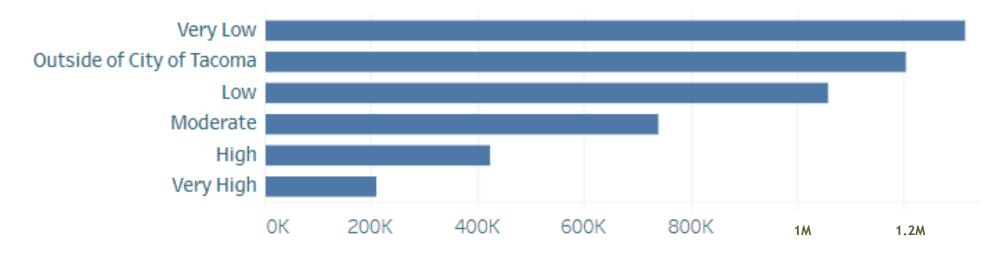
Assistance by Division

Env. Services	5,692	\$670,045
General Pledge	997	\$486,345
Power	15,324	\$3,497,957
Water	6,173	\$300,081
Grand Total		\$4,954,428

- Most assistance given in April 2020
- Most assistance given to Power bill

Bill assistance and the Tacoma equity index

Assistance by Equity Index



\$1,314,244.13
\$1,204,471.01
\$1,059,804.47
\$739,672.65
\$424,364.70
\$211,870.72
\$4,954,427.68

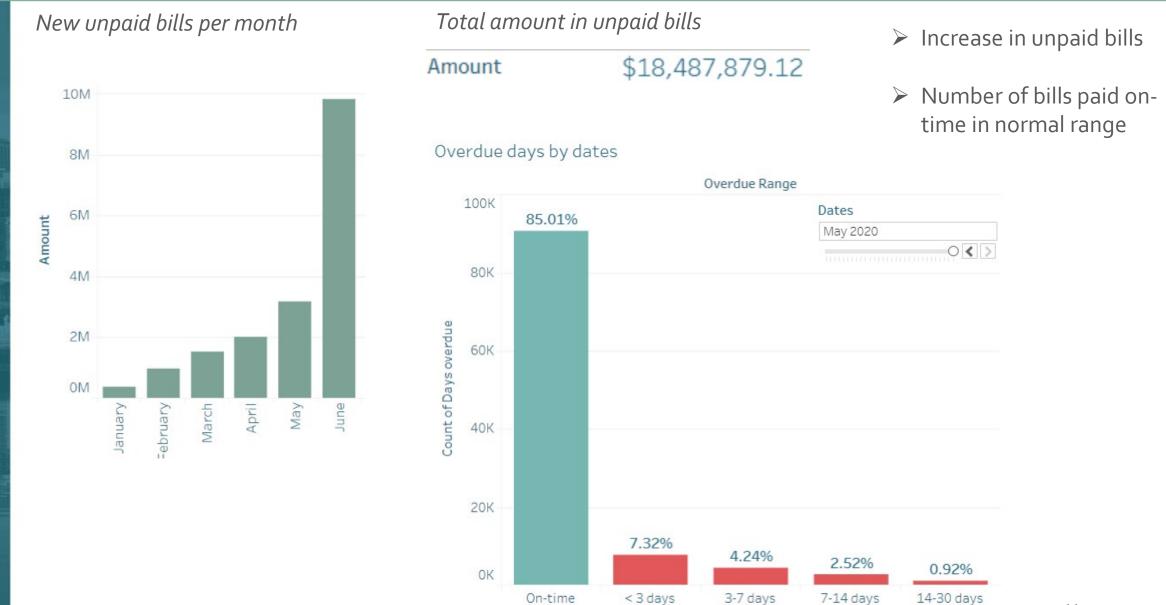
Emergency Assistance By Location

Tacoma	3,700,688
Unincorporated Pierce County	818,975
University Place	231,722
Lakewood	101,647
Fife	63,859
Fircrest	29,370
Federal Way	6,805
Roy	566
Milton	511
Steilicoom	285
Grand Total	4,954,428

Customers across service territory received TPU bill assistance

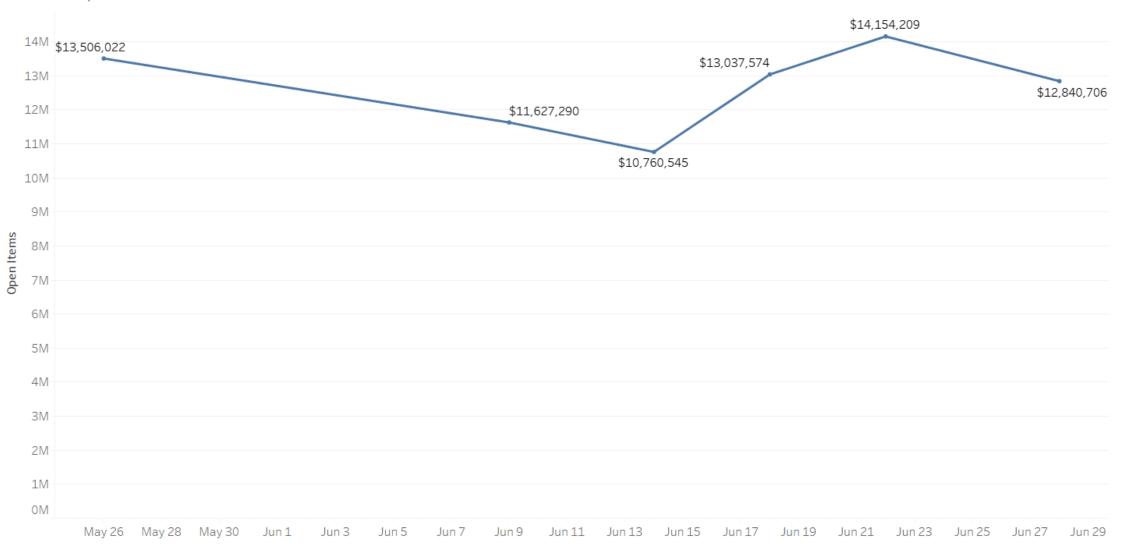
Customer payment insights

iiii



Unpaid bills over time

Power Unpaid Bills

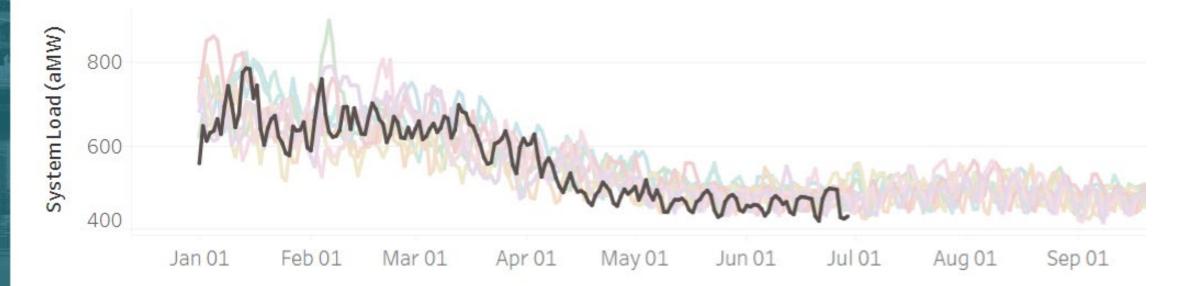


What's coming next?

> Customer channel analytics – IVR and lobby engagement

> Machine learning customer assistance segmentation based on payment behavior

> Targeted customer marketing to provide bill assistance resources



COMMUNITY VALUE FIRST

Education Outreach Board Update

Christian Paige Education Outreach Manager



Roadmap

What will be covered today:

- Education outreach position
- K-Career pipeline planning
- Current efforts and priority alignment
- Internships
- Recommendations
- Question and Answer



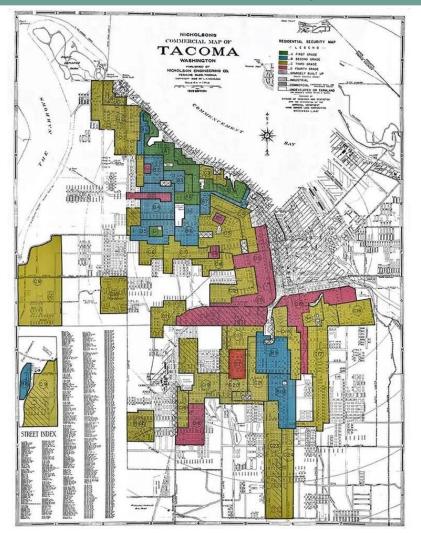
Board Strategic Directive 1

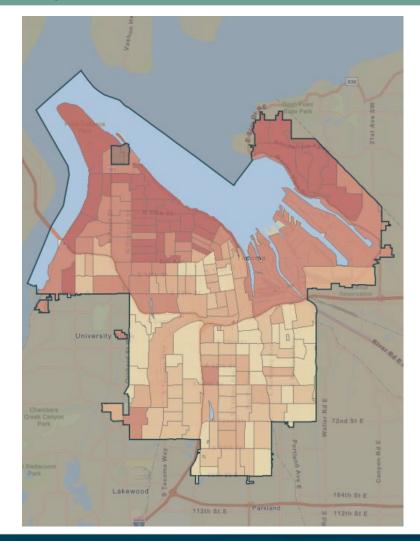
The TPU Board supports the Tacoma City Council Resolution 39019 Equity and Empowerment Initiative Framework and is committed to its five primary goals:

- The City of Tacoma workforce reflects the community it serves;
- Purposeful community outreach and engagement;
- Equitable service delivery to all residents and visitors;
- Support human rights and opportunities for everyone to achieve their full potential;
- Commitment to equity in local government decisionmaking.



Systemic Impacts







Outreach Programming

Why am I in this position?

- I grew up in Tacoma and understand the culture and economics of the city.
- I have a background in education, recruiting, program management and curriculum design.
- I am passionate about this community and ensuring that my programming produces equitable outcomes.

A shift in philosophy.

- So That...
- Having our workforce reflect our community.
- Creating effective community partnerships.
- Understanding education to be a pipeline approach.
- Building a positive relationship with students and families.



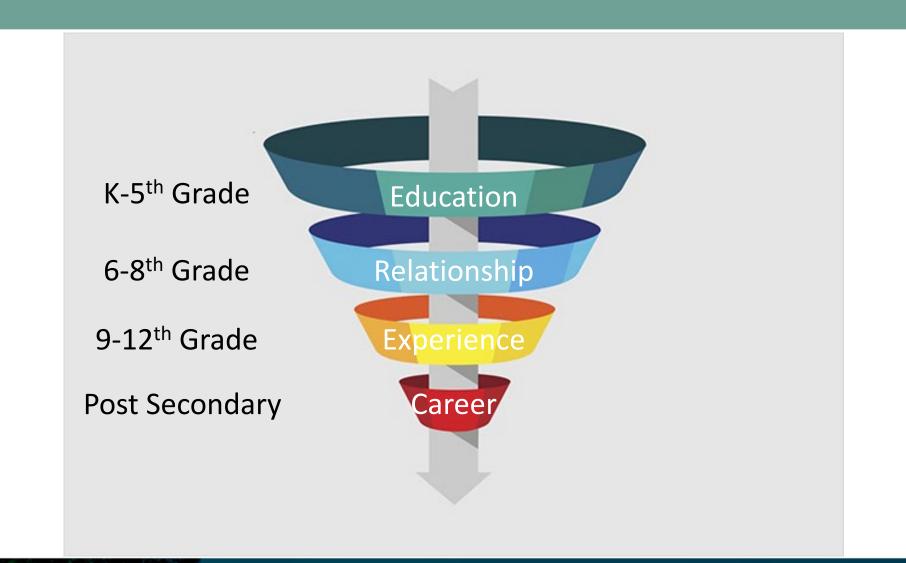
School Partnerships in Service Territory

- AVID (Advancement via Individual Determination) career visits
- Sitting on Career and Technical Education Advisory Board
- Participating in Tacoma STEAM Roundtable and Local Business Roundtable
- Attending college and career fairs
- Leading hydro project and other facility tours



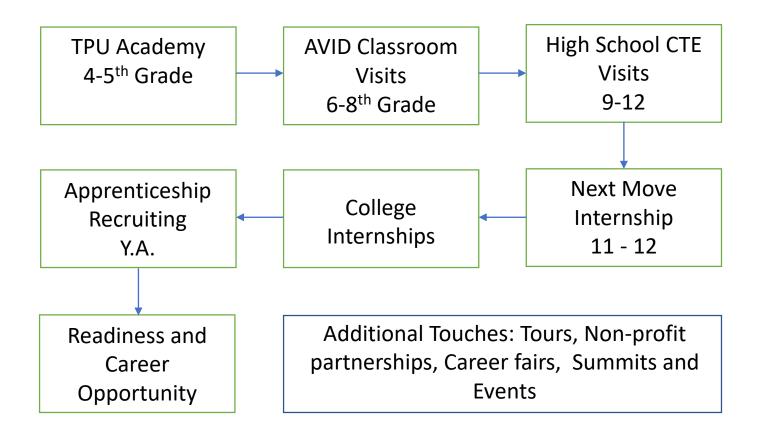
How does education outreach help with board strategic directive 1?







K-12 Workforce Career Planning



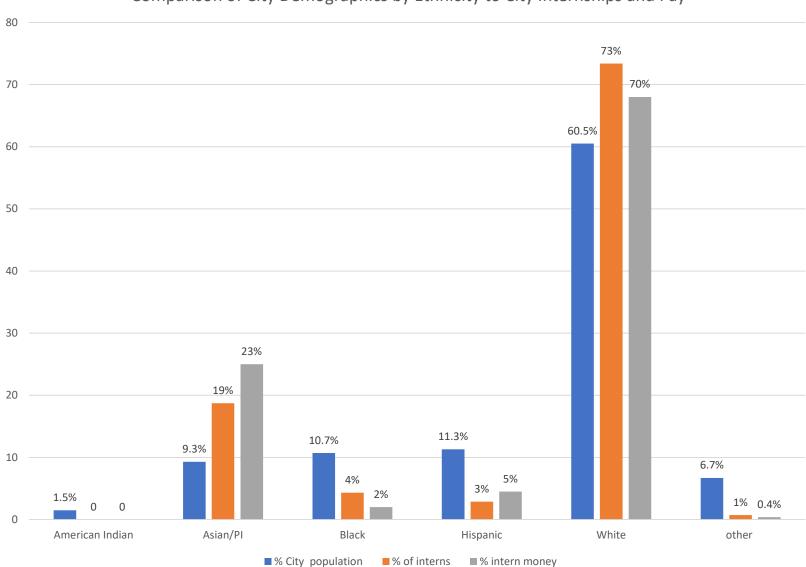


Non-Profits

- Foundation for Water and Energy Education (Elementary)
- Boys and Girls Club (4th and 5th Grade)
- Tacoma Urban League Male Involvement Program (11-14yrs.)
- Next Move Internship (11th and 12th Grade)
- Pacific Education Institute
- Puget Sound Internship Roundtable (College)
- SEED Internship (Jr. and Sr. College)
- Palmer Scholars (16-24yrs.)



Chart A



Comparison of City Demographics by Ethnicity to City Internships and Pay

12/3/2019

Project Citywide Paid Post-Secondary Internship Equity

Team

Date

Sponsors: Gary Buchanan, Lisa Woods Tanisha Jumper, Jim Sant

Leadership: Cathy Journey (HRfacilitator), Raeshawna Ware (ES), Georgia Lewis (HR), Jacqueline Fuller (ES)

Improvement Team:

Alice Massara (Power) Mia Navarro (OEHR-TPU) Kat Flores (HR-Outreach) Celine Mina (Water) Corey Mosesly (OEHR) Jacques Colon (MCO) Christian Paige (TPU) Additions: FI, IT

Resources:

City of Seattle, Colleges and universities, Metro Parks, Labor Relations

Stakeholders

Customers:

Internship program leaders Area college representatives and students

City of Tacoma residents

Other Stakeholders:

Internal departments

Labor Relations

External Partners

Problem Statement

The City of Tacoma's current outreach and hiring processes are not currently producing racially equitable outcomes as it relates to hiring post-secondary paid interns. Over the last 3 years, the City spent **~\$1.2 million** on paid internships. Out of the total paid to interns, \$809,983 was paid to **Whites (70%)**, \$266,195 to **Asians (23%)**, \$54,435 to **Hispanics (5%)**, \$23,775 to **Blacks (2%)**, \$5,359 to **Other (0.4%)**, and \$0 to **American Indians (0%)**. This distribution of funding does not align with the Tacoma's current population demographics nor does it support the efforts to amend the accumulated historical disparities in the City's hiring practices. The data does not include unpaid internships. This data will be the basis of measurement for establishing a consistent City-wide process to ensure racial equity in the City's internship program while sustaining the current positive distribution among gender.

Scope

Start by identifying areas to build equity into the current internship "outreach to hiring" process and end with a standard process for filling internships.

Targeted Outcomes

- Racial equity
- Standard, sustainable, City-wide process for outreach and hiring
- Centralized vetted funding
- Tracking through EEO report
- All post-secondary internships are paid
- Recommendations for internship classifications
- Recommendations for a supporting infrastructure (internship coordinator position(s))

Boundaries

- Out of scope: High school interns and job shadowing
- Out of scope: Volunteer programs
- Out of scope: Apprenticeship programs
- Out of scope: Externships

Timeline – 24 Month Project Length

L								
	Timeline	Jan - Aug 2019	Oct 2019	July 2019 – May 2020	May–Jun 2020	July - Sept 2020	Sept 2020	
	Steps	Create Charter	Gain Sponsorship	Outreach and Research	Generate & Evaluate Solutions	Finalize Proposals	Implement & Celebrate	



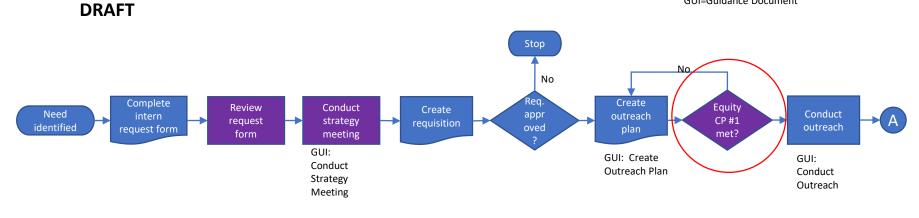
Changing the process of how interns are recruited, interviewed, hired, and retained.

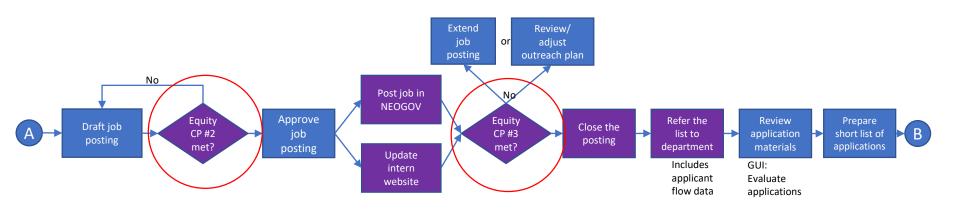


Intern Outreach and Selection Process



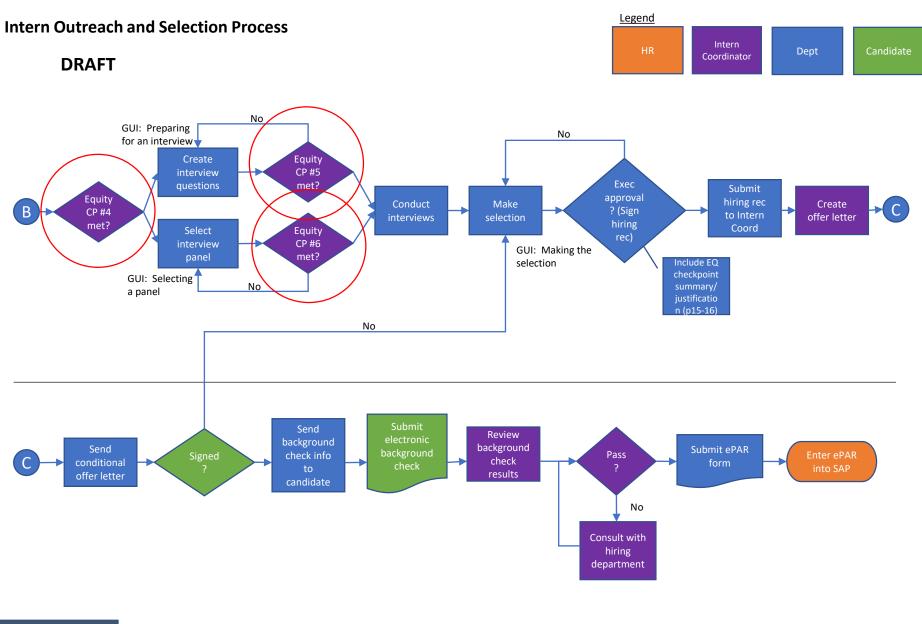
GUI=Guidance Document





Equity CP #1: Does the outreach plan include a diverse selection of colleges and external organizations? Equity CP #2: Does the job posting, including supplemental questions, use neutral and inclusive language?

Equity CP #3: Is there a diverse pool of applicants?



Equity CP #4: Is the application review process inclusive of life experience and cultural competencies?

Equity CP #5: Are the questions inclusive and gender neutral? Equity CP #6: Is the interview panel diverse?

Proposed Check-Points

Equity Checkpoints:

- Equity CP #1: Does the outreach plan include a diverse selection of colleges and external organizations?
- Equity CP #2: Does the job posting, including supplemental questions, use neutral and inclusive language?
- Equity CP #3: Is there a diverse pool of applicants?
- Equity CP #4: Is the application review process inclusive of life experience and cultural competencies?
- Equity CP #5: Are the questions inclusive and gender neutral?
- Equity CP #6: Is the interview panel diverse?



Immediate solutions to increase equity and access



SEED Internship

Seed Applications 2019:

- 120 interns across 80 employers
- 67 percent were students of color
- 60 percent were first-generation students
- 87 percent were applying for their first paid internship

Seed Provides:

- Recruitment of diverse candidates (all with ties to Tacoma)
- Cohort training model
- Consistent two way evaluation



Recommendations and Future Efforts

- Considering a partnership with SEED Internship (ROI – Equitable and Central process for internships)
- Funding a formal partnership with Palmer Scholars (ROI Diversifying apprenticeship recruitment)
- Focusing education strategies on impacted communities (ROI – Better rate payer relationships, career interests from untapped communities)
- Hosting a TPU trade summit

(ROI – Early interest, name recognition, and tracking)



Thank you

Questions?





PUBLIC UTILITY BOARD POLICY

Category:	Strategic	Directive
oulogory.	onucgio	Directive

Date of Adoption:

Title: **De-carbonization and Electric** Vehicles

Policy Number: SD-11

Resolution No.:

Revision Date:

<u>Purpose</u>

- 1. Tacoma Public Utilities is committed to being responsive to the urgency of climate change. TPU believes climate change impacts how we provide services now and will, if unabated, continue to bring instability and negative impacts to our community's quality of life in the future. Efforts should go beyond mitigation and focus on policies to reduce atmospheric carbon.
- 2. Tacoma Public Utilities has an opportunity to be leaders in de-carbonization and mitigate environmental impacts from our operations while serving the needs of its customers and the community.
- 3. Tacoma Public Utilities sees de-carbonization and electrification efforts as an opportunity to promote Tacoma Power's renewable and nearly carbon free generation portfolio as a driver of economic development and a competitive advantage for existing customers.
- 4. TPU is committed to advancing de-carbonization and electrification where technically and economically feasible for our customers and for internal operations to meet these challenges today and into the future.

<u>Values</u>

- TPU Board joins the Tacoma City Council in supporting Council Resolution 39427, the Environmental Action Plan, and prioritizing strategies and actions for advancing de-carbonization. Specifically, TPU:
 - a) Will seek opportunities to reduce greenhouse gas emissions in their own activities where operationally appropriate by replacing energy using devices with electric alternatives.
 - b) Will partner with and support the City of Tacoma in their greenhouse gas reduction efforts.

- c) Will encourage electrification of transportation and de-carbonization in the community and support with programs and initiatives in alignment with TPU business objectives and statutory authority.
- d) Will support a legislative agenda that improves Tacoma Power's ability to advance de-carbonization through increased electrification of energy use.
- TPU will promote and support de-carbonization efforts which benefit our customers, reducing their costs as well as reducing rate pressure. TPU will seek opportunities to make pro-active capital investments to accommodate anticipated customer electrification and de-carbonization efforts.
- 3. The Public Utility Board and senior management encourage measured risk taking while balancing opportunity and benefits to ensure that electrification is pursued with strict discipline through analysis, sound technical data and good management oversight.
- 4. By researching our customers' needs and barriers with regards to electrification and collaborating with federal, state, and local governments, private business, and other stakeholders, TPU will be ready to act on opportunities as they arise.
- 5. TPU is committed to educating our customers to the benefits of decarbonization through electrification.
- 6. TPU is committed to decarbonizing our own operations and transitioning to electrified transportation as much as economically and operationally feasible.

<u>Outcomes</u>

- 1. De-carbonization activities are identified, deployed, and supported with financial resource investment.
- 2. De-carbonization efforts are made transparent through reporting.
- 3. Tacoma Public Utilities holds to their de-carbonization commitments.
- 4. TPU will leverage its abundant natural resources to support de-carbonization through the development of carbon credit projects.

<u>Measurements</u>

- 1. Track progress on related Tacoma Environmental Action Plan and participate in City's Greenhouse Gas Inventory.
- 2. Adhere to the Transportation Electrification Strategic Plan.
- 3. Support de-carbonization and transportation electrification through leadership with regards to legislative priorities.
- 4. Track community outreach and communication activities related to decarbonization and transportation electrification.
- 5. Meet current and future opportunities with innovative solutions and internal resources.
- 6. Report to the Utility Board on organizational work groups who are focused on innovation, research and development, and modernization projects.
- 7. Individual work groups track and report progress.
- 8. Agree on simple metrics that can be tracked and reported. These metrics should map directly to an established value profile.

- <u>Reporting</u>1. Frequency: Annually2. Reporting Method: To Be Developed.



PUBLIC UTILITY BOARD POLICY

Category:	Strategic	Directive
oulogory.	Ollacogio	Directive

Date of Adoption:

Title: Employee Relations

Policy Number: **SD-12**

Resolution No.:

Revision Date:

<u>Purpose</u>

Tacoma Public Utilities Leadership along with the Public Utilities Board consider employees our most valuable assets. TPU employees are the face of the utility to our customers and their dedication keeps the utility running on a day to day basis.

TPU is committed to creating and maintaining a positive, supportive environment where employees are inspired to do their best work. This commitment ensures that all employees benefit from a safe, productive work environment, fair and equitable compensation, recognition of efforts, and the sense that they are valued.

<u>Values</u>

- 1. Leaders ensure a safe and healthy work environment
- 2. Ensure consistent, fair, and equitable treatment
- 3. Foster transparent, open communication
- 4. Solicit and encourage frequent, two-way feedback
- 5. Invest in opportunities for career growth and development
- 6. Ensure fair and equitable compensation

Outcomes

- 1. Employees feel physically and emotionally safe while at work.
- 2. Employees feel respected, valued and heard.
- 3. Employee feedback is acted upon by creating focused efforts to address areas of concern. Work diligently to maintain what is working well and adopt consistently across the organization. Communicate efforts broadly and regularly.
- 4. Equitable access to training and job opportunities. Employees have a clear understanding of developmental opportunities.
- 5. Fair and equitable compensation for work
- 6. Recognitions: both formal and informal recognition for employees is provided on an ongoing, regular basis
- 7. Leaders work together across TPU to ensure fair and consistent treatment of all employees.

<u>Measurement</u>

- 1. Employee Survey results will reflect outcomes
- 2. Safety goals
- 3. Summary of recognition efforts

Reporting

- 1. Frequency: annually
- 2. Reporting method: Employee Survey, employee performance reviews