

**Exh. JHJ-2  
Dockets UE-220066, UG-220067,  
UG-210918  
Witness: Jacque Hawkins-Jones**

**BEFORE THE WASHINGTON  
UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,**

**Complainant,**

**v.**

**PUGET SOUND ENERGY,**

**Respondent.**

**DOCKETS UE-220066, UG-220067,  
UG-210918 (Consolidated)**

**In the Matter of the Petition of**

**PUGET SOUND ENERGY**

**For an Order Authorizing Deferred  
Accounting Treatment for Puget Sound  
Energy's Share of Costs Associated with  
the Tacoma LNG Facility**

**EXHIBIT TO RESPONSE TESTIMONY OF  
JACQUE HAWKINS-JONES**

**STAFF OF  
WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION**

*Attachment A to Supplemental Comments of The Energy Project,  
May 7, 2021, Docket U-200281*

**December 8, 2023**

**BEFORE THE WASHINGTON  
UTILITIES AND TRANSPORTATION COMMISSION**

In the Matter of the Regulated Utility  
Response to the COVID-19 Pandemic

DOCKET U-200281

**ATTACHMENT A**

**TO**

**SUPPLEMENTAL COMMENTS OF THE ENERGY PROJECT**

**MAY 7, 2021**

**Highlights: Top Zip Code Analysis**  
**Puget Sound Energy (PSE) Residential Arrearages &**  
**Public and Environmental Health Disparities**  
*as of March 2021*

**77/232**

*zip codes had arrearages  
that grew > 50% from  
Mar. 2020 to Mar. 2021*

One third of PSE's 232 zip codes have experienced **substantial growth in residential arrearages** since prior to the pandemic in March 2020, however...

**21%**

*of all residential  
arrears are from the  
Top 10 zip codes*

**26%**

*of known low-income  
residential arrears are  
from the Top 10 zip codes*

A significant portion of residential and known low-income arrearages are **concentrated in a few zip codes**.

**TOP FIVE ZIP CODES**

- PSE's top 5 zip codes have the highest correlation with *people of color* and *social vulnerability to COVID-19* of any of the IOUs.
- All five zip codes have areas designated as **Highly Impacted Communities (HIC)**.

## TOP FIVE ZIP CODES - IN DEPTH

### Summary of Tables

Of PSE's 232 zip codes, the top five zip codes with the highest total residential arrearages and highest known low-income (KLI) residential arrearages account for 12% and 15%, respectively, of the entire total for March 2021. The corresponding 90+ day arrearages for these zip codes also account for 12% and 13%, respectively, of the entire total for March 2021. All five zip codes include areas classified as "Highly Impacted Communities" by the Washington State Department of Health (DOH).

**Table 1. Top 5 Zip Codes with Highest Arrearages (of 232 Zip Codes)<sup>1</sup>**  
as of March 2021

	ZC 1	ZC 2	ZC3	ZC 4	ZC 5	Sum & % of March 2021 Residential (or KLI) Total
<b>Puget Sound Energy</b>	98003	98002	98023	98092	98032	
<i>Communities Served</i>	<i>Federal Way</i>	<i>Auburn</i>	<i>Federal Way</i>	<i>NE Auburn</i>	<i>Kent</i>	
<b>Total Residential Arrearages</b>	\$ 2,086,138	\$ 1,881,726	\$ 1,863,560	\$ 1,810,603	\$ 1,550,979	\$9.19M (12%)
Per Capita Arrearages	\$ 530	\$ 653	\$ 611	\$ 519	\$ 467	N/A
90+ Day Arrearages	\$ 899,613	\$ 649,338	\$ 820,981	\$ 665,472	\$ 677,211	\$3.7M (12%)
<b>KLI Arrearages</b>	\$ 516,664	\$ 399,873	\$ 372,218	\$ 442,240	\$ 322,331*	\$2.05M (15%)
90+ Day Arrearages	\$ 219,387	\$ 140,179	\$ 155,545	\$ 199,396	\$ 142,889*	\$0.86M (13%)

Sources: U-200281, PSE Arrearage Data through March 2021, (April 30, 2021), Sheet 8; UTC Staff Residential Arrearage Map Tool (per capita data).

<sup>1</sup>Zip code 98032 did not rank in the top 5 for KLI Arrearages, however it ranks in the top 10. 1 additional zip code ranked within the top 5 for KLI Arrearages, 98226 (NE Bellingham, \$404,926).

-Darker shading within a row indicates a higher value.

**Table 2. Highly Impacted Communities & DOH Social and Health Vulnerability Measure Rankings in Top 5 Zip Codes**

Top 5 Zip Codes with Highest Arrears	Communities Served	Number of Census Tracts per Zip Code	Range of DOH Disparities Ranks				
			People of Color	Unemployed	Social Vulnerability to COVID-19	Pop. In Poverty ≤ 185% FPL	Highly Impacted Community
98003	<i>Federal Way</i>	15	8-10	3-9	6-10	4-9	Yes
98002	<i>Auburn</i>	8	7-9	2-9	8-10	6-10	Yes
98023	<i>Federal Way</i>	10	7-10	2-10	6-9	4-7	Yes
98092	<i>NE Auburn</i>	15	2-10	1-10	1-9	1-8	Yes
98032	<i>Kent</i>	13	8-10	4-10	7-10	5-10	Yes

Sources: WA Dept. of Health (DOH) Environmental Health Disparities (EHD) Mapping tool. <sup>2</sup> <<[-Highlighted cells indicate zip codes with a census tract that ranked 9 or 10 by DOH, on a scale of 1-10, or have been designated as HIC.](https://fortress.wa.gov/doh/wtn/WTNIBL>>; Washington Tracking Network Mapping tool <sup>3</sup>; Geography Division, U.S. Census Bureau, Geocorr 2018 (census tracts within zip codes).</p>
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-Highly Impacted Communities (HIC) meet one of two criteria: 1) a census tract is at least partially covered by Tribal Lands, or 2) a census tract ranks 9 or 10 on the DOH Environmental Health Disparities Map.

<sup>1</sup> The 30/60/90 residential vintage data totals \$49.66M, which is the total past due amount shown in Table 1. The residential 'total arrearages' reported by PSE are \$75.73M, but PSE has stated that total includes balances owed for less than 30 days. E-mail from Andrew Sellards of UTC Staff, April 2, 2021. The percent growth data shown on page 1 excludes arrearages from 1-30 days that PSE initially reported.

<sup>2</sup> DOH Environmental Disparities Mapping Tool. POC (OFM Data, sum of all ethnicities categories except White/Non-Hispanic), Unemployed (ACS Data, population age 16+ registered as unemployed), Pop. In Poverty (ACS Data, population living at or below 185% FPL).

<sup>3</sup> DOH Washington Tracking Network Mapping Tool. Social Vulnerability to COVID-19 (DOH summary of household composition & disability, housing type & transportation, race/ethnicity & language, and socioeconomic determinants).

## Highlights: Top Zip Code Analysis Avista Residential Arrearages & Public and Environmental Health Disparities *as of March 2021*

**82/105**

*zip codes had arrearages  
that grew > 50% from  
Mar. 2020 to Mar. 2021*

The vast majority of Avista's 105 zip codes have experienced **substantial growth in residential arrearages** since prior to the pandemic in March 2020, however...

**58%**

*of all residential  
arrears are from the  
Top 10 zip codes*

**60%**

*of known low-income  
residential arrears are  
from the Top 10 zip codes*

A significant portion of residential and known low-income arrearages are **concentrated in a few zip codes**.

### TOP FIVE ZIP CODES

- The highest DOH Environmental Health Disparities (EHD) map rankings align well with the zip codes with highest arrearages. The higher the arrearage, the higher that zip code ranks for the selected disparities (e.g. higher percent of population in poverty, unemployment, etc.).
- All five zip codes have areas designated as **Highly Impacted Communities (HIC)**.

## TOP FIVE ZIP CODES - IN DEPTH

### Summary of Tables

Of Avista's 105 zip codes, the top five zip codes with the highest total residential arrearages and associated known low-income residential arrearages account for 38% and 37%, respectively, of the entire total for March 2021. The corresponding 90+ day arrearages for these zip codes also account for 39% and 32%, respectively, of the entire total for March 2021. All five zip codes include areas classified as "Highly Impacted Communities" by the Washington State Department of Health (DOH).

**Table 1. Top 5 Zip Codes with Highest Arrearages (of 105 Zip Codes) as of March 2021**

	ZC 1	ZC 2	ZC 3	ZC 4	ZC 5	Sum & % of March 2021 Residential (or KLI) Total
<b>Avista</b>	99205	99207	99208	99202	99223	
<i>Communities Served</i>	<i>NW Spokane</i>	<i>North-central Spokane</i>	<i>North-central Spokane</i>	<i>East Spokane</i>	<i>SE Spokane</i>	
<b>Total Residential Arrearages</b>	\$ 1,307,000	\$ 1,306,989	\$ 1,039,171	\$ 710,720	\$ 617,919	\$4.98M (38%)
Per Capita Arrearages	\$ 513	\$ 529	\$ 373	\$ 554	\$ 422	N/A
90+ Day Arrearages	\$ 1,023,295	\$ 1,062,239	\$ 827,454	\$ 585,471	\$ 471,719	\$3.97M (39%)
<b>KLI Arrearages</b>	\$ 594,183	\$ 143,364*	\$ 444,207	\$ 393,132	\$ 241,874*	\$1.82M (37%)
90+ Day Arrearages	\$ 526,780	\$ 55,846*	\$ 399,375	\$ 348,988	\$ 211,370*	\$1.54M (32%)

Sources: U-200281, Avista Arrearage Data through March 2021, (April 30, 2021), Sheet 8; UTC Staff Residential Arrearage Map Tool (per capita data).

\*Zip codes 99207 and 99223 did not rank in the top 5 for KLI Arrearages, however 99223 ranks in the top 10. 2 additional zip codes ranked within the top 5 for KLI Arrearages, 99201 (NW Spokane, \$258,351) and 99217 (NE Spokane, \$243,091).

-Darker shading within a row indicates a higher value.

**Table 2. Highly Impacted Communities & DOH Social and Health Vulnerability Measure Rankings in Top 5 Zip Codes**

Top 5 Zip Codes with Highest Arrears	Communities Served	Number of Census Tracts per Zip Code	Census Tract Range of DOH Disparities Ranks				
			People of Color	Unemployed	Social Vulnerability to COVID-19	Pop. In Poverty ≤ 185% FPL	Highly Impacted Community
99205	<i>NW Spokane</i>	13	2-5	5-10	2-7	5-10	Yes
99207	<i>North-central Spokane</i>	9	5-6	6-10	6-10	10	Yes
99208	<i>North-central Spokane</i>	16	1-4	4-10	1-9	1-10	Yes
99202	<i>East Spokane</i>	12	1-7	4-10	4-10	6-10	Yes
99223	<i>SE Spokane</i>	12	1-5	1-8	1-7	1-7	Yes

Sources: WA Dept. of Health (DOH) Environmental Health Disparities (EHD) Mapping tool. <sup>1</sup> <<<https://fortress.wa.gov/doh/wtn/WTNIBL>>>; Washington Tracking Network Mapping tool <sup>2</sup>; Geography Division, U.S. Census Bureau, Geocorr 2018 (census tracts within zip codes).

-Highlighted cells indicate zip codes with a census tract that ranked 9 or 10 by DOH, on a scale of 1-10, or have been designated as HIC.

-Highly Impacted Communities (HIC) meet one of two criteria: 1) a census tract is at least partially covered by Tribal Lands, or 2) a census tract ranks 9 or 10 on the DOH Environmental Health Disparities Map.

<sup>1</sup> DOH Environmental Health Disparities Mapping Tool. POC (OFM Data, sum of all ethnicities categories except White/Non-Hispanic), Unemployed (ACS Data, population age 16+ registered as unemployed), Pop. In Poverty (ACS Data, population living at or below 185% FPL).

<sup>2</sup> DOH Washington Tracking Network Mapping Tool. Social Vulnerability to COVID-19 (DOH summary of household composition & disability, housing type & transportation, race/ethnicity & language, and socioeconomic determinants).

**Highlights: Top Zip Code Analysis  
PacifiCorp Residential Arrearages &  
Public and Environmental Health Disparities**  
*as of March 2021*

**31/35**

*zip codes had arrearages  
that grew > 50% from  
Mar. 2020 to Mar. 2021*

The vast majority of PacifiCorp's 35 zip codes have experienced **substantial growth in residential arrearages** since prior to the pandemic in March 2020, however...

**80%**

*of all residential  
arrears are from the  
Top 10 zip codes*

**84%**

*of known low-income  
residential arrears are  
from the Top 10 zip codes*

A significant portion of residential and known low-income arrearages are **concentrated in a few zip codes**.

**TOP FIVE ZIP CODES**

- PacifiCorp has the largest percentage of zip codes with high percent growth in arrearages compared to other IOUs.
- 3 of the 5 zip codes have areas designated as **Highly Impacted Communities (HIC)** and all 5 zip codes have areas that rank highest by DOH in each of the social and health measures shown in Table 2: *people of color, unemployment, social vulnerability to COVID-19, and percent of population in poverty.*

## TOP FIVE ZIP CODES - IN DEPTH

### Summary of Tables

Of PacifiCorp's 35 zip codes, the top five zip codes with the highest total residential arrearages and highest known low-income residential arrearages account for 54% and 45%, respectively, of the entire total for March 2021. The corresponding 90+ day arrearages for these zip codes also account for 27% and 45%, respectively, of the entire total for March 2021. Three of five zip codes include areas classified as "Highly Impacted Communities" by the Washington State Department of Health (DOH).

**Table 1. Top 5 Zip Codes with Highest Arrearages (of 35 Zip Codes)  
as of March 2021**

	ZC 1	ZC 2	ZC3	ZC 4	ZC 5	Sum & % of Dec. 2020 Residential (or KLI) Total
<b>PacifiCorp</b>	98902	98908	98901	98903	99362	
<i>Communities Served</i>	<i>Yakima</i>	<i>W Yakima</i>	<i>NE Yakima</i>	<i>SW Yakima</i>	<i>Walla Walla</i>	
<b>Total Residential Arrearages</b>	\$ 1,627,790	\$ 1,220,453	\$ 1,124,966	\$ 796,104	\$ 785,223	\$5.55M (54%)
Per Capita Arrearages	\$ 375	\$ 446	\$ 424	\$ 474	\$ 274	N/A
90+ Day Arrearages	\$ 855,199	\$ 522,831	\$ 607,939	\$ 386,204	\$ 397,819	\$2.77M (27%)
<b>KLI Arrearages</b>	\$ 208,913	\$ 70,447*	\$ 160,924	\$ 75,565*	\$ 136,404	\$0.65M (45%)
90+ Day Arrearages	\$ 129,772	\$ 40,888*	\$ 100,863	\$ 39,964*	\$ 81,492	\$0.39M (45%)

Sources: U-200281, PacifiCorp Arrearage Data through March 2021, (April 30, 2021), Sheet 8; UTC Staff Residential Arrearage Map Tool (per capita data).

\*Zip codes 98908 and 98903 did not rank in the top 5 for KLI Arrearages, however both rank in the top 10. 2 additional zip codes ranked with in the top 5 for KLI Arrearages, 98951 (Wapato, \$242,743) and 98948 (Toppenish, \$134,450).

-Darker shading within a row indicates a higher value.

**Table 2. Highly Impacted Communities & DOH Social and Health Vulnerability Measure Rankings in Top 5 Zip Codes**

Top 5 Zip Codes with Highest Arrears	Communities Served	Number of Census Tracts per Zip Code	Range of DOH Disparities Ranks				
			People of Color	Unemployed	Social Vulnerability to COVID-19	Pop. In Poverty ≤ 185% FPL	Highly Impacted Community
98902	Yakima	10	6-10	1-10	5-10	5-10	Yes
98908	W Yakima	14	5-9	1-9	5-9	4-9	No
98901	NE Yakima	10	4-10	3-10	4-10	4-10	Yes
98903	SW Yakima	8	3-10	1-10	5-10	4-10	Yes
99362	Walla Walla	11	3-10	1-10	1-10	1-10	No

Sources: WA Dept. of Health (DOH) Environmental Health Disparities (EHD) Mapping tool. <sup>1</sup> <<[>>](https://fortress.wa.gov/doh/wtn/WTNIBL); Washington Tracking Network Mapping tool <sup>2</sup>; Geography Division, U.S. Census Bureau, Geocorr 2018 (census tracts within zip codes).

-Highlighted cells indicate zip codes with a census tract that ranked 9 or 10 by DOH, on a scale of 1-10, or have been designated as HIC.

-Highly Impacted Communities (HIC) meet one of two criteria: 1) a census tract is at least partially covered by Tribal Lands, or 2) a census tract ranks 9 or 10 on the DOH Environmental Health Disparities Map.

<sup>1</sup> DOH Environmental Health Disparities Mapping Tool. POC (OFM Data, sum of all ethnicities categories except White/Non-Hispanic), Unemployed (ACS Data, population age 16+ registered as unemployed), Pop. In Poverty (ACS Data, population living at or below 185% FPL).

<sup>2</sup> DOH Washington Tracking Network Mapping Tool. Social Vulnerability to COVID-19 (DOH summary of household composition & disability, housing type & transportation, race/ethnicity & language, and socioeconomic determinants).



**Highlights: Top Zip Code Analysis**  
**Cascade Natural Gas (CNG) Residential Arrearages &**  
**Public and Environmental Health Disparities**  
*as of March 2021*

**24/76**

*zip codes had arrearages  
that grew > 50% from  
Mar. 2020 to Mar. 2021*

Thirty-two percent of CNG's 76 zip codes have experienced **substantial growth in residential arrearages** since prior to the pandemic in March 2020, however...

**42%**

*of all residential  
arrears are from the  
Top 10 zip codes*

**49%**

*of known low-income  
residential arrears are  
from the Top 10 zip codes*

A significant portion of residential and known low-income arrearages are **concentrated in a few zip codes**.

**TOP FIVE ZIP CODES**

- Compared to the other IOUs, fewer zip codes have a very high percent growth in arrears from 2020 to 2021.
- 4 of the 5 zip codes have areas designated as **Highly Impacted Communities (HIC)**.

## TOP FIVE ZIP CODES - IN DEPTH

### Summary of Tables

Of CNG's 76 zip codes, the top five zip codes with the highest total residential arrearages and associated known low-income residential arrearages account for 26% and 30%, respectively, of the entire total for March 2021. The corresponding 90+ day arrearages for these zip codes also account for 28% and 32% of the entire total for March 2021. Four of the five zip codes include areas classified as "Highly Impacted Communities" by the Washington State Department of Health (DOH).

**Table 1. Top 5 Zip Codes with Highest Arrearages (of 76 Zip Codes)  
as of March 2021**

	ZC 1	ZC 2	ZC 3	ZC 4	ZC 5	Sum & % of March 2021 Residential (or KLI) Total
<b>Cascade (CNG)</b>	98902	99301	99362	98225	98312	
<i>Communities Served</i>	<i>SW Yakima</i>	<i>W Pasco</i>	<i>Walla Walla</i>	<i>Bellingham</i>	<i>Bremerton</i>	
<b>Total Residential Arrearages</b>	\$ 347,786	\$ 270,367	\$ 215,498	\$ 177,529	\$ 166,066	\$1.12M (26%)
Per Capita Arrearages	\$ 384	\$ 314	\$ 308	\$ 341	\$ 304	N/A
90+ Day Arrearages	\$ 134,121	\$ 75,917	\$ 72,435	\$ 56,676	\$ 62,752	\$0.4M (28%)
<b>KLI Arrearages</b>	\$ 43,658	\$ 37,100	\$ 16,556*	\$ 13,156*	\$ 16,928	\$0.13M (30%)
90+ Day Arrearages	\$ 17,190	\$ 12,569	\$ 5,394*	\$ 4,820*	\$ 7,231	\$0.05M (32%)

Sources: U-200281, CNG Arrearage Data through March 2021, (April 30, 2021), Sheet 8 ; UTC Staff Residential Arrearage Map Tool (per capita data).

\*Zip codes 99362 and 98225 did not rank in the top 5 for KLI Arrearages, however 99362 ranks in the top 10. 2 additional zip codes ranked within the top 5 for KLI Arrearages, 98366 (Port Orchard, \$18,418) and 98284 (Sedro-Woolley, \$16,741).

-Darker shading within a row indicates a higher value.

**Table 2. Highly Impacted Communities & DOH Social and Health Vulnerability Measure Rankings in Top 5 Zip Codes**

Top 5 Zip Codes with Highest Arrears	Communities Served	Number of Census Tracts per Zip Code	Range of DOH Disparities Ranks				
			People of Color	Unemployed	Social Vulnerability to COVID-19	Pop. In Poverty ≤ 185% FPL	Highly Impacted Community
98902	SW Yakima	10	6-10	6-10	5-10	5-10	Yes
99301	W Pasco	11	6-10	1-9	3-10	2-10	Yes
99362	Walla Walla	11	3-10	2-10	1-10	1-10	No
98225	Bellingham	11	1-7	2-10	2-9	4-10	Yes
98312	Bremerton	13	2-8	2-9	2-8	1-9	Yes

Sources: WA Dept. of Health (DOH) Environmental Health Disparities (EHD) Mapping tool. <sup>1</sup> <<<https://fortress.wa.gov/doh/wtn/WTNIBL>>>; Washington Tracking Network Mapping tool <sup>2</sup>; Geography Division, U.S. Census Bureau, Geocorr 2018 (census tracts within zip codes).

-Highlighted cells indicate zip codes with a census tract that ranked 9 or 10 by DOH, on a scale of 1-10, or have been designated as HIC.

-Highly Impacted Communities (HIC) meet one of two criteria: 1) a census tract is at least partially covered by Tribal Lands, or 2) a census tract ranks 9 or 10 on the DOH Environmental Health Disparities Map.

<sup>1</sup> DOH Environmental Disparities Mapping Tool. POC (OFM Data, sum of all ethnicities categories except White/Non-Hispanic), Unemployed (ACS Data, population age 16+ registered as unemployed), Pop. In Poverty (ACS Data, population living at or below 185% FPL).

<sup>2</sup> DOH Washington Tracking Network Mapping Tool. Social Vulnerability to COVID-19 (DOH summary of household composition & disability, housing type & transportation, race/ethnicity & language, and socioeconomic determinants).

**Highlights: Top Zip Code Analysis**  
**Northwest Natural Gas (NWNNG) Residential Arrearages &**  
**Public and Environmental Health Disparities**  
*as of March 2021*

**21/41**

*zip codes had arrearages  
that grew > 50% from  
Mar. 2020 to Mar. 2021*

A majority of NWNNG's 41 zip codes have experienced **substantial growth in residential arrearages** since prior to the pandemic in March 2020, however...

**83%**

*of all residential  
arrears are from the  
Top 10 zip codes*

**93%**

*of known low-income  
residential arrears are  
from the Top 10 zip codes*

A significant portion of residential and known low-income arrearages are **concentrated in a few zip codes**.

**TOP FIVE ZIP CODES**

- 4 of the 5 zip codes have areas designated as **Highly Impacted Communities (HIC)**.
- The top 5 zip codes also rank highly in the DOH Environmental Health Disparities (EHD) map, in terms of social and health metrics (e.g. higher percent of population in poverty, unemployment, etc.).

## TOP FIVE ZIP CODES - IN DEPTH

### Summary of Tables

Of Northwest Natural Gas's 41 zip codes, the top five zip codes with the highest total residential arrearages and highest known low-income residential arrearages account for 51% and 55%, respectively, of the entire total for March 2021. The corresponding 90+ day arrearages for these zip codes also account for 47% and 56% of the entire total for March 2021. Four of five zip codes include areas classified as "Highly Impacted Communities" by the Washington State Department of Health (DOH).

**Table 1. Top 5 Zip Codes with Highest Arrearages (of 41 Zip Codes)  
as of March 2021**

	ZC 1	ZC 2	ZC 3	ZC 4	ZC 5	Sum & % of Dec. 2020 Residential (or KLI) Total
<b>Northwest Natural Gas</b>	98682	98662	98684	98607	98604	
<i>Communities Served</i>	<i>E Five Corners</i>	<i>Five Corners</i>	<i>Evergreen</i>	<i>Camas</i>	<i>Battle Ground</i>	
<b>Total Residential Arrearages</b>	\$ 324,207	\$ 154,287	\$ 160,656	\$ 154,580	\$ 148,302	\$942K (51%)
Per Capita Arrearages	\$ 247	\$ 251	\$ 287			N/A
90+ Day Arrearages	\$ 101,262	\$ 55,815	\$ 51,475	\$ 37,504	\$ 46,928	\$293K (47%)
<b>KLI Arrearages</b>	\$ 1,525	\$ 1,973	\$ 1,265	\$ 265*	\$ 853*	\$5.9K (55%)
90+ Day Arrearages	\$ 296	\$ 457	\$ 32	\$ 26*	\$ 273*	\$1.1K (56%)

Sources: U-200281, NWNG Arrearage Data through March 2021, (April 30, 2021), Sheet 8; UTC Staff Residential Arrearage Map Tool (per capita data).

\*Zip codes 98607 and 98604 did not rank in the top 5 for KLI Arrearages, however 98604 ranks in the top 10. 2 additional zip codes ranked with in the top 5 for KLI Arrearages, 98671 (Washougal, \$1,372) and 98661 (E Vancouver, \$910).

-Darker shading within a row indicates a higher value.

**Table 2. Highly Impacted Communities & DOH Social and Health Vulnerability Measure Rankings in Top 5 Zip Codes**

Top 5 Zip Codes with Highest Arrears	Communities Served	Number of Census Tracts per Zip Code	Range of DOH Disparities Ranks				
			People of Color	Unemployed	Social Vulnerability to COVID-19	Pop. In Poverty ≤ 185% FPL	Highly Impacted Community
98682	<i>E Five Corners</i>	16	3-7	1-9	3-9	3-10	Yes
98662	<i>Five Corners</i>	11	1-7	1-10	2-9	3-10	Yes
98684	<i>Evergreen</i>	7	5-7	2-8	3-9	3-8	Yes
98607	<i>Camas</i>	13	1-7	3-9	1-5	1-6	Yes
98604	<i>Battle Ground</i>	11	1-3	2-9	1-5	1-7	No

Sources: WA Dept. of Health (DOH) Environmental Health Disparities (EHD) Mapping tool. <sup>1</sup> <<<https://fortress.wa.gov/doh/wtn/WTNIBL>>>; Washington Tracking Network Mapping tool <sup>2</sup>; Geography Division, U.S. Census Bureau, Geocorr 2018 (census tracts within zip codes).

-Highlighted cells indicate zip codes with a census tract that ranked 9 or 10 by DOH, on a scale of 1-10, or have been designated as HIC.

-Highly Impacted Communities (HIC) meet one of two criteria: 1) a census tract is at least partially covered by Tribal Lands, or 2) a census tract ranks 9 or 10 on the DOH Environmental Health Disparities Map.

<sup>1</sup> DOH Environmental Health Disparities Mapping Tool. POC (OFM Data, sum of all ethnicities categories except White/Non-Hispanic), Unemployed (ACS Data, population age 16+ registered as unemployed), Pop. In Poverty (ACS Data, population living at or below 185% FPL).

<sup>2</sup> DOH Washington Tracking Network Mapping Tool. Social Vulnerability to COVID-19 (DOH summary of household composition & disability, housing type & transportation, race/ethnicity & language, and socioeconomic determinants).