

**EXH. JK-4  
DOCKET UG-230968  
WITNESS: JASON KUZMA**

**BEFORE THE  
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,**

**Complainant,**

**v.**

**PUGET SOUND ENERGY,**

**Respondent.**

**DOCKET UG-230968**

**FIRST EXHIBIT (NONCONFIDENTIAL) TO THE  
PREFILED REBUTTAL TESTIMONY OF**

**JASON KUZMA**

**ON BEHALF OF PUGET SOUND ENERGY**

**SEPTEMBER 12, 2024**

**Direct (Scope I) Greenhouse Gas Emissions  
Associated with PSE's Natural Gas Operations  
Reported to the Washington Department of Ecology  
(Calendar Years 2015 - 2022)**

<b>Year</b>	<b>Emissions</b>
2022	66,913 mtCO <sub>2</sub> e
2021	64,586 mtCO <sub>2</sub> e
2020	64,322 mtCO <sub>2</sub> e
2019	61,438 mtCO <sub>2</sub> e
2018	61,071 mtCO <sub>2</sub> e
2017	60,615 mtCO <sub>2</sub> e
2016	58,711 mtCO <sub>2</sub> e
2015	58,610 mtCO <sub>2</sub> e
<b>Min</b>	<b>58,610 mtCO<sub>2</sub>e</b>
<b>Mean</b>	<b>62,033 mtCO<sub>2</sub>e</b>
<b>Max</b>	<b>66,913 mtCO<sub>2</sub>e</b>

**Source:** State of Washington, *GHG Reporting Program Publication*, available at [https://data.wa.gov/Natural-Resources-Environment/GHG-Reporting-Program-Publication/idhm-59de/about\\_data](https://data.wa.gov/Natural-Resources-Environment/GHG-Reporting-Program-Publication/idhm-59de/about_data).

**Indirect (Scope III) Greenhouse Gas Emissions  
Associated with PSE's Natural Gas Operations  
Reported to the Washington Department of Ecology  
(Calendar Years 2015 - 2022)**

<b>Year</b>	<b>Emissions</b>	
2022	5,596,735	mtCO <sub>2</sub> e
2021	5,381,519	mtCO <sub>2</sub> e
2020	5,113,420	mtCO <sub>2</sub> e
2019	5,352,516	mtCO <sub>2</sub> e
2018	5,088,704	mtCO <sub>2</sub> e
2017	5,451,048	mtCO <sub>2</sub> e
2016	4,771,418	mtCO <sub>2</sub> e
2015	4,938,970	mtCO <sub>2</sub> e
<b>Min</b>	<b>4,771,418</b>	<b>mtCO<sub>2</sub>e</b>
<b>Mean</b>	<b>5,211,791</b>	<b>mtCO<sub>2</sub>e</b>
<b>Max</b>	<b>5,596,735</b>	<b>mtCO<sub>2</sub>e</b>

**Source:** State of Washington, *GHG Reporting Program Publication*, available at [https://data.wa.gov/Natural-Resources-Environment/GHG-Reporting-Program-Publication/idhm-59de/about\\_data](https://data.wa.gov/Natural-Resources-Environment/GHG-Reporting-Program-Publication/idhm-59de/about_data).

**Total (Indirect and Direct) Greenhouse Gas Emissions  
Associated with PSE's Natural Gas Operations  
Reported to the Washington Department of Ecology  
(Calendar Years 2015 - 2022)**

<b>Year</b>	<b>Direct (Scope I) Emissions</b>		+	<b>Indirect (Scope III) Emissions</b>		=	<b>Total Emissions</b>
2022	66,913	mtCO <sub>2</sub> e		5,596,735	mtCO <sub>2</sub> e		5,663,648 mtCO <sub>2</sub> e
2021	64,586	mtCO <sub>2</sub> e		5,381,519	mtCO <sub>2</sub> e		5,446,105 mtCO <sub>2</sub> e
2020	64,322	mtCO <sub>2</sub> e		5,113,420	mtCO <sub>2</sub> e		5,177,742 mtCO <sub>2</sub> e
2019	61,438	mtCO <sub>2</sub> e		5,352,516	mtCO <sub>2</sub> e		5,413,954 mtCO <sub>2</sub> e
2018	61,071	mtCO <sub>2</sub> e		5,088,704	mtCO <sub>2</sub> e		5,149,775 mtCO <sub>2</sub> e
2017	60,615	mtCO <sub>2</sub> e		5,451,048	mtCO <sub>2</sub> e		5,511,663 mtCO <sub>2</sub> e
2016	58,711	mtCO <sub>2</sub> e		4,771,418	mtCO <sub>2</sub> e		4,830,129 mtCO <sub>2</sub> e
2015	58,610	mtCO <sub>2</sub> e		4,938,970	mtCO <sub>2</sub> e		4,997,580 mtCO <sub>2</sub> e
<b>Min</b>	<b>58,610</b>	<b>mtCO<sub>2</sub>e</b>		<b>4,771,418</b>	<b>mtCO<sub>2</sub>e</b>		<b>4,830,129 mtCO<sub>2</sub>e</b>
<b>Mean</b>	<b>62,033</b>	<b>mtCO<sub>2</sub>e</b>		<b>5,211,791</b>	<b>mtCO<sub>2</sub>e</b>		<b>5,273,825 mtCO<sub>2</sub>e</b>
<b>Max</b>	<b>66,913</b>	<b>mtCO<sub>2</sub>e</b>		<b>5,596,735</b>	<b>mtCO<sub>2</sub>e</b>		<b>5,663,648 mtCO<sub>2</sub>e</b>

<b>Year</b>	<b>Direct (Scope I) Emissions</b>		+	<b>Indirect (Scope III) Emissions</b>		=	<b>Total Emissions</b>
2022	1.18%			98.82%			100%
2021	1.19%			98.81%			100%
2020	1.24%			98.76%			100%
2019	1.13%			98.87%			100%
2018	1.19%			98.81%			100%
2017	1.10%			98.90%			100%
2016	1.22%			98.78%			100%
2015	1.17%			98.83%			100%
<b>Min</b>	<b>1.10%</b>			<b>98.76%</b>			<b>100%</b>
<b>Mean</b>	<b>1.18%</b>			<b>98.82%</b>			<b>100%</b>
<b>Max</b>	<b>1.24%</b>			<b>98.90%</b>			<b>100%</b>