

Description: Sound Transit builds and operates regional transit service throughout the urban areas of Pierce, King and Snohomish Counties in Washington State. Transit services include Link light rail; Sounder commuter rail; ST Express Bus; Tacoma Link light rail; and soon, Bus Rapid Transit. With voter-approval, Sound Transit is in the process of planning and building the most ambitious transit expansion in the country. Sound Transit achieved the Platinum level of recognition under the APTA Sustainability Commitment in 2015, and is seeking to achieve carbon neutral operations by 2050.

Industry: 48 - Transportation and Warehousing

Address: 401 S Jackson St,
Seattle, Washington, US

Contact:
Michael Roos

www.soundtransit.org

Reporting Information

Inventory Type Complete

Reporting Protocol: GRP 3.0

GWP Standard: AR6

Base Year: 2018

Scope 2 method Market-based

Reporting Year Type Calendar Year

Consolidation Methodology: Operational Control Only

Status: TCR Accepted

Verification Information

Verification Body: Cameron-Cole, LLC

Level of Assurance: Reasonable

Entity Emissions | Total in metric tons of CO2e

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t of CO2e)	N2O (t of CO2e)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t of CO2e)	SF6 (t of CO2e)
Stationary Combustion - Scope 1	611.10445	610.48	0.3105	0.31395	0	0	0	0
Mobile Combustion - Scope 1	50,037.763395	49,733.133	175.509585	129.12081	0	0	0	0
Fugitive - Scope 1	3,953	0	0	0	3,953	0	0	0
Total	54,601.867845	50,343.613	175.820085	129.43476	3,953	0	0	0
Applied Offsets								
Net Total	54,601.867845							

Scope 2 - Location Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t of CO2e)	N2O (t of CO2e)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t of CO2e)	SF6 (t of CO2e)
Purchased Electricity - Location Based - Scope 2	15,886.7762	15,787.28	39.9276	59.5686	0	0	0	0
Total	15,886.7762	15,787.28	39.9276	59.5686	0	0	0	0
Applied Offsets								
Net Total	15,886.7762							

Scope 2 - Market Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t of CO2e)	N2O (t of CO2e)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t of CO2e)	SF6 (t of CO2e)
Purchased Electricity - Market Based - Scope 2	6,558.7448	6,493.1048	25.3179	40.3221	0	0	0	0
Total	6,558.7448	6,493.1048	25.3179	40.3221	0	0	0	0
Applied Offsets								
Net Total	6,558.7448							

Entity Emissions | Total in metric tons of gas

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC CO2e (t of CO2e)	NF3 (t)	SF6 (t)
Stationary Combustion - Scope 1	611.10445	610.48	0.0115	0.00115	0	0	0	0
Mobile Combustion - Scope 1	50,037.763395	49,733.133	6.500355	0.47297	0	0	0	0
Fugitive - Scope 1	3,953	0	0	0	3,953	0	0	0
Total	54,601.867845	50,343.613	6.511855	0.47412	3,953	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC CO2e (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Location Based - Scope 2	15,886.7762	15,787.28	1.4788	0.2182	0	0	0	0
Total	15,886.7762	15,787.28	1.4788	0.2182	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC CO2e (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Market Based - Scope 2	6,558.7448	6,493.1048	0.9377	0.1477	0	0	0	0
Total	6,558.7448	6,493.1048	0.9377	0.1477	0	0	0	0

Simplified Estimation Methods (SEMs)

	Total Estimated CO2e (t)	Total Emissions (t of CO2e)	Estimated CO2e as a Percentage of Total*
Location-based	3,953	70,489	5.61%
Market-based	3,953	61,161	6.46%
*Total based on Scope 1, Scope 2, & biomass emissions			

Facility Emissions | Diesel - Non-Revenue Fleet

Equity share - 100.00 | Entity controls the facility emissions - Yes

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Mobile Combustion - Scope 1	197.1978	186.87	0.0266	0.0352	0	0	0	0
Total	197.1978	186.87	0.0266	0.0352	0	0	0	0

Facility Emissions | Diesel - Sounder Commuter Rail

Equity share - 100.00 | Entity controls the facility emissions - Yes

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Mobile Combustion - Scope 1	14,068.08	13,943.1	1.09	0.35	0	0	0	0
Total	14,068.08	13,943.1	1.09	0.35	0	0	0	0

Facility Emissions | Diesel - ST Express Buses

Equity share - 100.00 | Entity controls the facility emissions - Yes

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Mobile Combustion - Scope 1	32,429.08	32,408.08	0.07	0.07	0	0	0	0
Total	32,429.08	32,408.08	0.07	0.07	0	0	0	0

Facility Emissions | Electricity - Central Link TPSS

Equity share - 100.00 | Entity controls the facility emissions - Yes

Scope 2 - Location Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Location Based - Scope 2	8,714.8805	8,660.3	0.8112	0.1197	0	0	0	0
Total	8,714.8805	8,660.3	0.8112	0.1197	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Market Based - Scope 2	3,717.1	3,682.03	0.49	0.08	0	0	0	0
Total	3,717.1	3,682.03	0.49	0.08	0	0	0	0

Facility Emissions | Electricity - Facility

Equity share - 100.00 | Entity controls the facility emissions - Yes

Scope 2 - Location Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Location Based - Scope 2	7,054.2846	7,010.1	0.6567	0.0969	0	0	0	0
Total	7,054.2846	7,010.1	0.6567	0.0969	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Market Based - Scope 2	2,834.781	2,804.9448	0.4367	0.0661	0	0	0	0
Total	2,834.781	2,804.9448	0.4367	0.0661	0	0	0	0

Facility Emissions | Electricity - Tacoma Link TPSS

Equity share - 100.00 | Entity controls the facility emissions - Yes

Scope 2 - Location Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Location Based - Scope 2	117.6111	116.88	0.0109	0.0016	0	0	0	0
Total	117.6111	116.88	0.0109	0.0016	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Market Based - Scope 2	6.8638	6.13	0.011	0.0016	0	0	0	0

Total	6.8638	6.13	0.011	0.0016	0	0	0	0
--------------	--------	------	-------	--------	---	---	---	---

Facility Emissions | Fugitive Gases

Equity share - 100.00 | Entity controls the facility emissions - Yes

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Fugitive - Scope 1	3,953	0	0	0	3,953	0	0	0
Total	3,953	0	0	0	3,953	0	0	0

Facility Emissions | Gasoline - Non-Revenue Fleet

Equity share - 100.00 | Entity controls the facility emissions - Yes

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Mobile Combustion - Scope 1	457.76	453.41	0.0145	0.0145	0	0	0	0
Total	457.76	453.41	0.0145	0.0145	0	0	0	0

Facility Emissions | Natural Gas - Facility

Equity share - 100.00 | Entity controls the facility emissions - Yes

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Stationary Combustion - Scope 1	611.10445	610.48	0.0115	0.00115	0	0	0	0
Total	611.10445	610.48	0.0115	0.00115	0	0	0	0

Facility Emissions | Natural Gas - ST Express Buses

Equity share - 100.00 | Entity controls the facility emissions - Yes

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Mobile Combustion - Scope 1	2,885.645595	2,741.673	5.299255	0.00327	0	0	0	0
Total	2,885.645595	2,741.673	5.299255	0.00327	0	0	0	0