

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		
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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	1,070.616	1,069.53	0.54	0.546	0	0	0	0
Mobile Combustion - Scope 1	38,449.113963	38,174.436	169.560405	105.117558	0	0	0	0
Fugitive - Scope 1	3,725.08	0	0	0	3,725.08	0	0	0
Total	43,244.809963	39,243.966	170.100405	105.663558	3,725.08	0	0	0
Applied Offsets								
Net Total	43,244.809963							

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	23,001.63	22,866.6021	56.322	78.7059	0	0	0	0
Total	23,001.63	22,866.6021	56.322	78.7059	0	0	0	0
Applied Offsets								
Net Total	23,001.63							

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	4,525.57512	4,440.996	74.8494	9.72972	0	0	0	0
Total	4,525.57512	4,440.996	74.8494	9.72972	0	0	0	0
Applied Offsets								
Net Total	4,525.57512							

Biogenic - 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)
Mobile Biomass Combustion - Biomass	2,393.83	2,393.83	0	0	0	0	0	0
Total	2,393.83	2,393.83	0	0	0	0	0	0
Applied Offsets								
Net Total	2,393.83							

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	1,070.616	1,069.53	0.02	0.002	0	0	0	0
Mobile Combustion - Scope 1	38,449.113963	38,174.436	6.280015	0.385046	0	0	0	0
Fugitive - Scope 1	3,725.08	0	0	0	3,725.08	0	0	0
Total	43,244.809963	39,243.966	6.300015	0.387046	3,725.08	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	23,001.63	22,866.6021	2.086	0.2883	0	0	0	0
Total	23,001.63	22,866.6021	2.086	0.2883	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)
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Purchased Electricity - Market Based - Scope 2	4,525.57512	4,440.996	2.7722	0.03564	0	0	0	0
Total	4,525.57512	4,440.996	2.7722	0.03564	0	0	0	0

Biogenic - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC CO2e (t of CO2e)	NF3 (t)	SF6 (t)
Mobile Biomass Combustion - Biomass	2,393.83	2,393.83	0	0	0	0	0	0
Total	2,393.83	2,393.83	0	0	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	3,725	68,641	5.43%
Market-based	3,725	50,165	7.43%
*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	168.476022	167.67	0.0014	0.002814	0	0	0	0

Total	168.476022	167.67	0.0014	0.002814	0	0	0	0
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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	12,639.5534	12,527.696	0.9791	0.3129	0	0	0	0
Total	12,639.5534	12,527.696	0.9791	0.3129	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	21,317.151	21,303.57	0.048	0.045	0	0	0	0
Total	21,317.151	21,303.57	0.048	0.045	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	15,011.0513	14,922.98	1.36	0.1881	0	0	0	0
Total	15,011.0513	14,922.98	1.36	0.1881	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	3,091.43962	3,033.016	1.9056	0.02554	0	0	0	0
Total	3,091.43962	3,033.016	1.9056	0.02554	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	7,807.8926	7,762.0121	0.7094	0.0979	0	0	0	0
Total	7,807.8926	7,762.0121	0.7094	0.0979	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	1,416.9501	1,390.83	0.8663	0.01	0	0	0	0
Total	1,416.9501	1,390.83	0.8663	0.01	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	182.6861	181.61	0.0166	0.0023	0	0	0	0
Total	182.6861	181.61	0.0166	0.0023	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	17.1854	17.15	0.0003	0.0001	0	0	0	0
Total	17.1854	17.15	0.0003	0.0001	0	0	0	0

Facility Emissions | Fugitive Emissions

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	3,725.08	0	0	0	3,725.08	0	0	0
Total	3,725.08	0	0	0	3,725.08	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	765.5	761	0.015	0.015	0	0	0	0
Total	765.5	761	0.015	0.015	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	1,070.616	1,069.53	0.02	0.002	0	0	0	0
Total	1,070.616	1,069.53	0.02	0.002	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	3,556.5836	3,414.5	5.23	0.0032	0	0	0	0
Total	3,556.5836	3,414.5	5.23	0.0032	0	0	0	0

Facility Emissions | Other Misc. Combustion

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	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0

Facility Emissions | Renewable Diesel - ST Express

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

Biogenic - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Mobile Biomass Combustion - Biomass	2,393.83	2,393.83	0	0	0	0	0	0
Mobile Combustion - Scope 1	0	0	0	0	0	0	0	0
Total	2,393.83	2,393.83	0	0	0	0	0	0

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	1.849941	0	0.006515	0.006132	0	0	0	0
Total	1.849941	0	0.006515	0.006132	0	0	0	0

