

Southwestern Public Service Company (SPS) is a wholly-owned subsidiary of Xcel Energy Inc., an investor-owned U.S. electric and natural gas company.

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Reporting Information

Inventory Type

Complete

Reporting Protocol:

GRP 3.0

GWP Standard:

AR5

Base Year:

2005

Scope 2 method

Market-based

Reporting Year Type

Calendar Year

Consolidation Methodology:

Operational Control and Equity

Status:

TCR Accepted

Verification Information

Verification Body:

GHD (formerly Conestoga-Rovers & Associates Limited)

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	8,698,141.41634	8,674,657.95	3,537.66364	19,945.8027	0	0	0	0
Mobile Combustion - Scope 1	16,764.60747	16,496.05	28.24752	240.30995	0	0	0	0
Process - Scope 1	31.15	31.15	0	0	0	0	0	0
Fugitive - Scope 1	30,241.41584	0.04	1,572.55084	0	0	0	0	28,668.825
Total	8,745,178.58965	8,691,185.19	5,138.462	20,186.11265	0	0	0	28,668.825
Applied Offsets								
Net Total	8,745,178.58965							

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	123,549.89274	123,042.98	213.35104	293.5617	0	0	0	0
Total	123,549.89274	123,042.98	213.35104	293.5617	0	0	0	0
Applied Offsets								
Net Total	123,549.89274							

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	59,828.96	59,828.96	0	0	0	0	0	0
Total	59,828.96	59,828.96	0	0	0	0	0	0
Applied Offsets								

Net Total	59,828.96
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Direct Emissions - Biomass	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	35.44	35.44	0	0	0	0	0	0
Total	35.44	35.44	0	0	0	0	0	0
Applied Offsets								
Net Total	35.44							

Indirect Emissions - Market Based - Biomass	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 - Biomass	507.06	507.06	0	0	0	0	0	0
Total	507.06	507.06	0	0	0	0	0	0
Applied Offsets								
Net Total	507.06							

Scope 3 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)
Business Travel - Scope 3 (Optional)	741.92975	736.84	0.651	4.43875	0	0	0	0
Employee Commuting - Scope 3 (Optional)	1,006.59342	1,005.19	0.15792	1.2455	0	0	0	0
Fuel- and Energy-Related Activities - Scope 3 (Optional)	2,420,135.4041	2,414,692.85	2,336.929	3,105.6251	0	0	0	0
Biomass - Scope 3 (Optional)	20,081.17	20,081.17	0	0	0	0	0	0
Total	2,441,965.09727	2,436,516.05	2,337.73792	3,111.30935	0	0	0	0
Applied Offsets								

Net Total 2,441,965.09727

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	8,698,141.41634	8,674,657.95	126.34513	75.26718	0	0	0	0
Mobile Combustion - Scope 1	16,764.60747	16,496.05	1.00884	0.90683	0	0	0	0
Process - Scope 1	31.15	31.15	0	0	0	0	0	0
Fugitive - Scope 1	30,241.41584	0.04	56.16253	0	0	0	0	1.21995
Total	8,745,178.58965	8,691,185.19	183.5165	76.17401	0	0	0	1.21995

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	123,549.89274	123,042.98	7.61968	1.10778	0	0	0	0
Total	123,549.89274	123,042.98	7.61968	1.10778	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	59,828.96	59,828.96	0	0	0	0	0	0
Total	59,828.96	59,828.96	0	0	0	0	0	0

Direct Emissions - Biomass	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	35.44	35.44	0	0	0	0	0	0
Total	35.44	35.44	0	0	0	0	0	0

Indirect Emissions - Market Based - Biomass	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 - Biomass	507.06	507.06	0	0	0	0	0	0
Total	507.06	507.06	0	0	0	0	0	0

Scope 3 Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC CO2e (t of CO2e)	NF3 (t)	SF6 (t)
Business Travel - Scope 3 (Optional)	741.92975	736.84	0.02325	0.01675	0	0	0	0
Employee Commuting - Scope 3 (Optional)	1,006.59342	1,005.19	0.00564	0.0047	0	0	0	0
Fuel- and Energy-Related Activities - Scope 3 (Optional)	2,420,135.4041	2,414,692.85	83.46175	11.71934	0	0	0	0
Biomass - Scope 3 (Optional)	20,081.17	20,081.17	0	0	0	0	0	0
Total	2,441,965.09727	2,436,516.05	83.49064	11.74079	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	0	8,888,845	0.00%
Market-based	0	8,825,631	0.00%
*Total based on Scope 1, Scope 2, & biomass emissions			

Facility Emissions | Aviation Fleet Fuels

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	224.41525	222.6	0	0.00685	0	0	0	0
Total	224.41525	222.6	0	0.00685	0	0	0	0

Facility Emissions | Business Travel

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

Scope 3 Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Business Travel - Scope 3 (Optional)	741.92975	736.84	0.02325	0.01675	0	0	0	0
Employee Commuting - Scope 3 (Optional)	1,006.59342	1,005.19	0.00564	0.0047	0	0	0	0
Total	1,748.52317	1,742.03	0.02889	0.02145	0	0	0	0

Facility Emissions | Cunningham

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	1,014,474.69864	1,013,450.32	18.79588	1.8796	0	0	0	0
Process - Scope 1	0.28	0.28	0	0	0	0	0	0
Total	1,014,474.97864	1,013,450.6	18.79588	1.8796	0	0	0	0

Facility Emissions | Electrical Transmission and Distribution

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

Indirect Emissions - Market Based - Biomass	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 - Biomass	500.49	500.49	0	0	0	0	0	0
Total	500.49	500.49	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)
Fugitive - Scope 1	28,668.825	0	0	0	0	0	0	1.21995
Total	28,668.825	0	0	0	0	0	0	1.21995

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	121,868.0604	121,369.2	7.49545	1.09052	0	0	0	0
Total	121,868.0604	121,369.2	7.49545	1.09052	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	59,081.5	59,081.5	0	0	0	0	0	0
Purchased Electricity - Market Based - Scope 2	0	0	0	0	0	0	0	0
Total	59,081.5	59,081.5	0	0	0	0	0	0

Facility Emissions | Ground Fleet Fuels

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

Direct Emissions - Biomass	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	35.44	35.44	0	0	0	0	0	0
Total	35.44	35.44	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	16,481.79614	16,215.25	1.00638	0.8995	0	0	0	0

Mobile Combustion - Scope 1	0	0	0	0	0	0	0	0	0
Total	16,481.79614	16,215.25	1.00638	0.8995	0	0	0	0	0

Facility Emissions | Hale Co. Wind Farm

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	0.1	0.1	0	0	0	0	0	0
Total	0.1	0.1	0	0	0	0	0	0

Facility Emissions | Harrington Station

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	2,465,130.98771	2,453,966.99	26.59827	39.31791	0	0	0	0
Mobile Combustion - Scope 1	0	0	0	0	0	0	0	0
Process - Scope 1	4.67	4.67	0	0	0	0	0	0
Fugitive - Scope 1	530.14612	0	18.93379	0	0	0	0	0

Total	2,465,665.80383	2,453,971.66	45.53206	39.31791	0	0	0	0
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Scope 3 Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Fuel- and Energy-Related Activities - Scope 3 (Optional)	10,502.69084	10,417.41	0.80498	0.23676	0	0	0	0
Total	10,502.69084	10,417.41	0.80498	0.23676	0	0	0	0

Facility Emissions | Jones

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	1,439,117.56131	1,437,658.08	26.72607	2.68359	0	0	0	0
Mobile Combustion - Scope 1	10.23324	10.2	0.00043	0.00008	0	0	0	0
Process - Scope 1	1.36	1.36	0	0	0	0	0	0
Total	1,439,129.15455	1,437,669.64	26.7265	2.68367	0	0	0	0

Facility Emissions | Maddox

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)
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Stationary Combustion - Scope 1	368,634.8939	368,262.61	6.8308	0.6831	0	0	0	0
Process - Scope 1	0.14	0.14	0	0	0	0	0	0
Total	368,635.0339	368,262.75	6.8308	0.6831	0	0	0	0

Facility Emissions | Natural Gas Transmission and Distribution

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	7.53616	0.04	0.26772	0	0	0	0	0
Total	7.53616	0.04	0.26772	0	0	0	0	0

Facility Emissions | New Mexico Building Energy Consumption

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

Indirect Emissions - Market Based - Biomass	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 - Biomass	0.98	0.98	0	0	0	0	0	0
Total	0.98	0.98	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)
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Stationary Combustion - Scope 1	0.1	0.1	0	0	0	0	0	0	0
Total	0.1	0.1	0	0	0	0	0	0	0

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	252.08008	250.87	0.01861	0.0026	0	0	0	0
Total	252.08008	250.87	0.01861	0.0026	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	112.02	112.02	0	0	0	0	0	0
Purchased Electricity - Market Based - Scope 2	0	0	0	0	0	0	0	0
Total	112.02	112.02	0	0	0	0	0	0

Facility Emissions | Nichols

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	1,020,619.62495	1,019,588.92	18.91175	1.89123	0	0	0	0
Mobile Combustion - Scope 1	5.31676	5.3	0.00022	0.00004	0	0	0	0

Process - Scope 1	0.23	0.23	0	0	0	0	0	0
Total	1,020,625.17171	1,019,594.45	18.91197	1.89127	0	0	0	0

Facility Emissions | Plant X

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	415,930.20116	415,508.85	7.71987	0.77432	0	0	0	0
Mobile Combustion - Scope 1	5.21676	5.2	0.00022	0.00004	0	0	0	0
Process - Scope 1	7.64	7.64	0	0	0	0	0	0
Total	415,943.05792	415,521.69	7.72009	0.77436	0	0	0	0

Facility Emissions | Quay County

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	578.29219	576.4	0.02338	0.00467	0	0	0	0
Total	578.29219	576.4	0.02338	0.00467	0	0	0	0

Facility Emissions | Sagamore Wind

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	0.1	0.1	0	0	0	0	0	0
Total	0.1	0.1	0	0	0	0	0	0

Facility Emissions | SPS Purchased Power for Resale

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

Scope 3 Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Fuel- and Energy-Related Activities - Scope 3 (Optional)	2,386,451.04	2,381,282	80.88	10.96	0	0	0	0
Biomass - Scope 3 (Optional)	0	0	0	0	0	0	0	0
Total	2,386,451.04	2,381,282	80.88	10.96	0	0	0	0

Upstream Indirect Emissions - Biomass	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Biomass - Scope 3 (Optional)	20,081.17	20,081.17	0	0	0	0	0	0
Total	20,081.17	20,081.17	0	0	0	0	0	0

Facility Emissions | Texas Building Energy Consumption

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

Indirect Emissions - Market Based - Biomass	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 - Biomass	5.59	5.59	0	0	0	0	0	0
Total	5.59	5.59	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)
Stationary Combustion - Scope 1	0.1	0.1	0	0	0	0	0	0
Total	0.1	0.1	0	0	0	0	0	0

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	1,429.75226	1,422.91	0.10562	0.01466	0	0	0	0
Total	1,429.75226	1,422.91	0.10562	0.01466	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	635.44	635.44	0	0	0	0	0	0
Purchased Electricity - Market Based - Scope 2	0	0	0	0	0	0	0	0

Total	635.44	635.44	0	0	0	0	0	0
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Facility Emissions | Tolk

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	1,973,654.75648	1,965,645.38	20.73911	28.03276	0	0	0	0
Mobile Combustion - Scope 1	37.62932	37.5	0.00159	0.00032	0	0	0	0
Process - Scope 1	16.83	16.83	0	0	0	0	0	0
Fugitive - Scope 1	1,034.90856	0	36.96102	0	0	0	0	0
Total	1,974,744.12436	1,965,699.71	57.70172	28.03308	0	0	0	0

Scope 3 Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Fuel- and Energy-Related Activities - Scope 3 (Optional)	23,181.67326	22,993.44	1.77677	0.52258	0	0	0	0
Total	23,181.67326	22,993.44	1.77677	0.52258	0	0	0	0