

Description:	Southwestern Public Service Company (SPS) is a wholly-owned subsidiary of Xcel Energy Inc., an investor-owned U.S. electric and natural gas company.		
Industry:	22 - Utilities		
Address:	790 South Buchanan Street, Floor 5, Amarillo, Texas, US	Contact: David Chapman	xcelenergy.com

Reporting Information

Inventory Type	Complete
Reporting Protocol:	GRP 3.0
GWP Standard:	AR4
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	9,817,223.3125	9,780,932.69	3,285.6325	33,004.99	0	0	0	0
Mobile Combustion - Scope 1	14,419.50153	14,169.6	21.60075	228.30078	0	0	0	0
Process - Scope 1	3,104.91	3,104.91	0	0	0	0	0	0
Fugitive - Scope 1	51,618.374	0.02	3,708.486	0	0	0	0	47,909.868
Total	9,886,366.09803	9,798,207.22	7,015.71925	33,233.29078	0	0	0	47,909.868
Applied Offsets								
Net Total	9,886,366.09803							

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	125,138.01584	124,524.06	231.0765	382.87934	0	0	0	0
Total	125,138.01584	124,524.06	231.0765	382.87934	0	0	0	0
Applied Offsets								
Net Total	125,138.01584							

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	55,592.83158	55,484.44	42.3965	65.99508	0	0	0	0
Total	55,592.83158	55,484.44	42.3965	65.99508	0	0	0	0
Applied Offsets								

Net Total 55,592.83158

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	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Applied Offsets								
Net Total	0							

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	194.66	194.66	0	0	0	0	0	0
Total	194.66	194.66	0	0	0	0	0	0
Applied Offsets								
Net Total	194.66							

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)	405.57776	402.78	0.378	2.41976	0	0	0	0
Employee Commuting - Scope 3 (Optional)	1,034.04111	1,032.46	0.14475	1.43636	0	0	0	0
Fuel- and Energy-Related Activities - Scope 3 (Optional)	2,462,853.91147	2,457,463.81	1,979.67325	3,410.42822	0	0	0	0
Biomass - Scope 3 (Optional)	8,252.49	8,252.49	0	0	0	0	0	0
Total	2,472,546.02034	2,467,151.54	1,980.196	3,414.28434	0	0	0	0
Applied Offsets								

Net Total 2,472,546.02034

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	9,817,223.3125	9,780,932.69	131.4253	110.755	0	0	0	0
Mobile Combustion - Scope 1	14,419.50153	14,169.6	0.86403	0.76611	0	0	0	0
Process - Scope 1	3,104.91	3,104.91	0	0	0	0	0	0
Fugitive - Scope 1	51,618.374	0.02	148.33944	0	0	0	0	2.10131
Total	9,886,366.09803	9,798,207.22	280.62877	111.52111	0	0	0	2.10131

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	125,138.01584	124,524.06	9.24306	1.28483	0	0	0	0
Total	125,138.01584	124,524.06	9.24306	1.28483	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	55,592.83158	55,484.44	1.69586	0.22146	0	0	0	0
Total	55,592.83158	55,484.44	1.69586	0.22146	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	0	0	0	0	0	0	0	0
Total	0	0	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	194.66	194.66	0	0	0	0	0	0
Total	194.66	194.66	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)	405.57776	402.78	0.01512	0.00812	0	0	0	0
Employee Commuting - Scope 3 (Optional)	1,034.04111	1,032.46	0.00579	0.00482	0	0	0	0
Fuel- and Energy-Related Activities - Scope 3 (Optional)	2,462,853.91147	2,457,463.81	79.18693	11.44439	0	0	0	0
Biomass - Scope 3 (Optional)	8,252.49	8,252.49	0	0	0	0	0	0
Total	2,472,546.02034	2,467,151.54	79.20784	11.45733	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	10,019,756	0.00%
Market-based	0	9,950,406	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	220.68554	218.68	0	0.00673	0	0	0	0
Total	220.68554	218.68	0	0.00673	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)	405.57776	402.78	0.01512	0.00812	0	0	0	0
Employee Commuting - Scope 3 (Optional)	1,034.04111	1,032.46	0.00579	0.00482	0	0	0	0
Total	1,439.61887	1,435.24	0.02091	0.01294	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	866,336.25538	865,456.55	16.05292	1.60531	0	0	0	0
Process - Scope 1	0.19	0.19	0	0	0	0	0	0
Total	866,336.44538	865,456.74	16.05292	1.60531	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	191.36	191.36	0	0	0	0	0	0
Total	191.36	191.36	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	47,909.868	0	0	0	0	0	0	2.10131
Total	47,909.868	0	0	0	0	0	0	2.10131

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	122,878.14868	122,275.27	9.07616	1.26166	0	0	0	0
Total	122,878.14868	122,275.27	9.07616	1.26166	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	54,590.13756	54,483.7	1.66526	0.21747	0	0	0	0
Purchased Electricity - Market Based - Scope 2	0	0	0	0	0	0	0	0
Total	54,590.13756	54,483.7	1.66526	0.21747	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	0	0	0	0	0	0	0	0
Total	0	0	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	14,148.93783	13,901.22	0.86191	0.75896	0	0	0	0

Mobile Combustion - Scope 1	0	0	0	0	0	0	0	0	0
Total	14,148.93783	13,901.22	0.86191	0.75896	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	3,465,978.39879	3,447,907.62	36.36455	57.58948	0	0	0	0
Mobile Combustion - Scope 1	0	0	0	0	0	0	0	0
Process - Scope 1	3.02	3.02	0	0	0	0	0	0
Fugitive - Scope 1	1,873.098	0	74.92392	0	0	0	0	0

Total	3,467,854.51679	3,447,910.64	111.28847	57.58948	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)	41,866.63415	41,505.35	3.20723	0.9433	0	0	0	0
Total	41,866.63415	41,505.35	3.20723	0.9433	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	1,075,629.0925	1,074,535.08	19.94732	1.99775	0	0	0	0
Mobile Combustion - Scope 1	10.93832	10.9	0.00046	0.00009	0	0	0	0
Process - Scope 1	2,177.24	2,177.24	0	0	0	0	0	0
Total	1,077,817.27082	1,076,723.22	19.94778	1.99784	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	448,164.12475	447,706.27	8.35503	0.8355	0	0	0	0
Process - Scope 1	0	0	0	0	0	0	0	0
Total	448,164.12475	447,706.27	8.35503	0.8355	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	3.41825	0.02	0.13593	0	0	0	0	0
Total	3.41825	0.02	0.13593	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	0.36	0.36	0	0	0	0	0	0
Total	0.36	0.36	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	0	0	0	0	0	0	0	0
Total	0	0	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	246.02521	244.82	0.01817	0.00252	0	0	0	0
Total	246.02521	244.82	0.01817	0.00252	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	109.11462	108.9	0.00334	0.00044	0	0	0	0
Purchased Electricity - Market Based - Scope 2	0	0	0	0	0	0	0	0
Total	109.11462	108.9	0.00334	0.00044	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	740,744.2272	739,992.03	13.7259	1.37265	0	0	0	0
Mobile Combustion - Scope 1	3.51269	3.5	0.00015	0.00003	0	0	0	0

Process - Scope 1	899.99	899.99	0	0	0	0	0	0
Total	741,647.72989	740,895.52	13.72605	1.37268	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	387,470.59089	387,076.66	7.18461	0.71918	0	0	0	0
Mobile Combustion - Scope 1	3.21244	3.2	0.00014	0.00003	0	0	0	0
Process - Scope 1	7.64	7.64	0	0	0	0	0	0
Total	387,481.44333	387,087.5	7.18475	0.71921	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	1,551.10442	1,545.8	0.0627	0.01254	0	0	0	0
Total	1,551.10442	1,545.8	0.0627	0.01254	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)	2,374,780.72	2,370,150.64	72.44	9.46	0	0	0	0
Biomass - Scope 3 (Optional)	0	0	0	0	0	0	0	0
Total	2,374,780.72	2,370,150.64	72.44	9.46	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)	8,252.49	8,252.49	0	0	0	0	0	0
Total	8,252.49	8,252.49	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	2.94	2.94	0	0	0	0	0	0
Total	2.94	2.94	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	2,013.84195	2,003.97	0.14873	0.02065	0	0	0	0
Total	2,013.84195	2,003.97	0.14873	0.02065	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	893.5794	891.84	0.02726	0.00355	0	0	0	0
Purchased Electricity - Market Based - Scope 2	0	0	0	0	0	0	0	0

Total	893.5794	891.84	0.02726	0.00355	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	2,831,349.21857	2,816,712.38	29.73227	46.62259	0	0	0	0
Mobile Combustion - Scope 1	32.21471	32.1	0.00137	0.00027	0	0	0	0
Process - Scope 1	16.83	16.83	0	0	0	0	0	0
Fugitive - Scope 1	1,831.98975	0	73.27959	0	0	0	0	0
Total	2,833,230.25303	2,816,761.31	103.01323	46.62286	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)	46,206.55732	45,807.82	3.5397	1.04109	0	0	0	0
Total	46,206.55732	45,807.82	3.5397	1.04109	0	0	0	0