

Description: The Regional Transportation Commission of Southern Nevada (RTC) is the area's designated Metropolitan Planning Organization and public transportation authority.

Industry: 48 - Transportation and Warehousing

Address: 600 S. Grand Central Parkway, Suite 350, Las Vegas, Nevada, US

Contact: Lijuan Su www.rtcsonthernnevada.com

Reporting Information

Inventory Type: Self-Defined

Reporting Protocol: GRP 3.0

GWP Standard: AR5

Base Year: 2009

Scope 2 method

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	66,911.042621	66,712.263716	165.460494	33.318411	0	0	0	0
Mobile Combustion - Scope 1	66,930.214002	64,569.009023	2,142.343757	218.861222	0	0	0	0
Total	133,841.256623	131,281.272739	2,307.804251	252.179633	0	0	0	0
Applied Offsets								
Net Total	133,841.256623							

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	8,384.894116	8,349.569852	15.364924	19.95934	0	0	0	0
Total	8,384.894116	8,349.569852	15.364924	19.95934	0	0	0	0
Applied Offsets								
Net Total	8,384.894116							

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	8,384.894116	8,349.569852	15.364924	19.95934	0	0	0	0
Total	8,384.894116	8,349.569852	15.364924	19.95934	0	0	0	0
Applied Offsets								
Net Total	8,384.894116							

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	113.97078	113.97078	0	0	0	0	0	0
Total	113.97078	113.97078	0	0	0	0	0	0
Applied Offsets								
Net Total	113.97078							

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	66,911.042621	66,712.263716	5.909301	0.125727	0	0	0	0
Mobile Combustion - Scope 1	66,930.214002	64,569.009023	76.512259	0.825876	0	0	0	0
Total	133,841.256623	131,281.272739	82.42156	0.951603	0	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	8,384.894116	8,349.569852	0.548741	0.075312	0	0	0	0
Total	8,384.894116	8,349.569852	0.548741	0.075312	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	8,384.894116	8,349.569852	0.548741	0.075312	0	0	0	0
Total	8,384.894116	8,349.569852	0.548741	0.075312	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	113.97078	113.97078	0	0	0	0	0	0
Total	113.97078	113.97078	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	0	142,340	0.00%
Market-based	0	142,340	0.00%

*Total based on Scope 1, Scope 2, & biomass emissions

Facility Emissions | Bonneville Transit Center

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	100.284187	99.986264	0.008856	0.000188	0	0	0	0
Total	100.284187	99.986264	0.008856	0.000188	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	249.552458	248.501133	0.016331	0.002241	0	0	0	0
Total	249.552458	248.501133	0.016331	0.002241	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	249.552458	248.501133	0.016331	0.002241	0	0	0	0
Total	249.552458	248.501133	0.016331	0.002241	0	0	0	0

Facility Emissions | BTC Annex Building

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	3.703979	3.692976	0.000327	0.000006	0	0	0	0
Total	3.703979	3.692976	0.000327	0.000006	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	53.634515	53.408562	0.00351	0.000481	0	0	0	0
Total	53.634515	53.408562	0.00351	0.000481	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	53.634515	53.408562	0.00351	0.000481	0	0	0	0
Total	53.634515	53.408562	0.00351	0.000481	0	0	0	0

Facility Emissions | BTC Parking Lot

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	0.886166	0.882434	0.000057	0.000007	0	0	0	0
Total	0.886166	0.882434	0.000057	0.000007	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	0.886166	0.882434	0.000057	0.000007	0	0	0	0
Total	0.886166	0.882434	0.000057	0.000007	0	0	0	0

Facility Emissions | Centennial Hills Transit Center and Park & Ride

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)
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Purchased Electricity - Location Based - Scope 2	139.091173	138.505204	0.009102	0.001249	0	0	0	0
Total	139.091173	138.505204	0.009102	0.001249	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	139.091173	138.505204	0.009102	0.001249	0	0	0	0
Total	139.091173	138.505204	0.009102	0.001249	0	0	0	0

Facility Emissions | Downtown Summerlin Transit Center

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	9.842219	9.800756	0.000644	0.000088	0	0	0	0
Total	9.842219	9.800756	0.000644	0.000088	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	9.842219	9.800756	0.000644	0.000088	0	0	0	0
Total	9.842219	9.800756	0.000644	0.000088	0	0	0	0

Facility Emissions | Integrated Bus Maintenance 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	36,686.482633	36,577.49466	3.239996	0.068936	0	0	0	0
Total	36,686.482633	36,577.49466	3.239996	0.068936	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	3,811.204007	3,795.147989	0.249423	0.034234	0	0	0	0
Total	3,811.204007	3,795.147989	0.249423	0.034234	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	3,811.204007	3,795.147989	0.249423	0.034234	0	0	0	0
Total	3,811.204007	3,795.147989	0.249423	0.034234	0	0	0	0

Facility Emissions | Non-Revenue Vehicles

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)
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Mobile Biomass Combustion - Biomass	2.48913	2.48913	0	0	0	0	0	0
Total	2.48913	2.48913	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	331.344757	330.309869	0.006481	0.003207	0	0	0	0
Total	331.344757	330.309869	0.006481	0.003207	0	0	0	0

Facility Emissions | Revenue Vehicles - Fixed Route

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	111.48165	111.48165	0	0	0	0	0	0
Total	111.48165	111.48165	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	51,710.50415	50,073.578946	54.593038	0.408754	0	0	0	0
Total	51,710.50415	50,073.578946	54.593038	0.408754	0	0	0	0

Facility Emissions | Revenue Vehicles - Paratransit

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	14,888.365095	14,165.120208	21.91274	0.413915	0	0	0	0
Total	14,888.365095	14,165.120208	21.91274	0.413915	0	0	0	0

Facility Emissions | RTC Administration Building

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	507.663662	505.524953	0.033223	0.00456	0	0	0	0
Total	507.663662	505.524953	0.033223	0.00456	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	507.663662	505.524953	0.033223	0.00456	0	0	0	0
Total	507.663662	505.524953	0.033223	0.00456	0	0	0	0

Facility Emissions | South Strip Transfer Terminal

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	40.349963	40.230092	0.003563	0.000075	0	0	0	0
Total	40.349963	40.230092	0.003563	0.000075	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	173.063517	172.334428	0.011326	0.001554	0	0	0	0
Total	173.063517	172.334428	0.011326	0.001554	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	173.063517	172.334428	0.011326	0.001554	0	0	0	0
Total	173.063517	172.334428	0.011326	0.001554	0	0	0	0

Facility Emissions | Sunset Maintenance 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	30,080.221859	29,990.859724	2.656559	0.056522	0	0	0	0

Total	30,080.221859	29,990.859724	2.656559	0.056522	0	0	0	0
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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	3,306.328926	3,292.399869	0.216381	0.029699	0	0	0	0
Total	3,306.328926	3,292.399869	0.216381	0.029699	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	3,306.328926	3,292.399869	0.216381	0.029699	0	0	0	0
Total	3,306.328926	3,292.399869	0.216381	0.029699	0	0	0	0

Facility Emissions | Transit Amenities

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	90.185829	89.805891	0.005902	0.00081	0	0	0	0
Total	90.185829	89.805891	0.005902	0.00081	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	90.185829	89.805891	0.005902	0.00081	0	0	0	0

Total	90.185829	89.805891	0.005902	0.00081	0	0	0	0
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Facility Emissions | UNLV Transit Center

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	19.330609	19.249173	0.001265	0.000173	0	0	0	0
Total	19.330609	19.249173	0.001265	0.000173	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	19.330609	19.249173	0.001265	0.000173	0	0	0	0
Total	19.330609	19.249173	0.001265	0.000173	0	0	0	0

Facility Emissions | Westcliff Transit Center and Park & Ride

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	24.111035	24.00946	0.001577	0.000216	0	0	0	0
Total	24.111035	24.00946	0.001577	0.000216	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	24.111035	24.00946	0.001577	0.000216	0	0	0	0
Total	24.111035	24.00946	0.001577	0.000216	0	0	0	0