

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

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Reporting Information

Inventory Type Complete

Reporting Protocol: GRP 3.0

GWP Standard: AR5

Base Year: 2009

Scope 2 method Location-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	71,711.13962	71,498.100618	177.330379	35.708623	0	0	0	0
Mobile Combustion - Scope 1	75,656.963525	73,278.359938	2,153.609162	224.994425	0	0	0	0
Total	147,368.103145	144,776.460556	2,330.939541	260.703048	0	0	0	0
Applied Offsets								
Net Total	147,368.103145							

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	8,313.621901	8,283.008291	12.835801	17.777809	0	0	0	0
Total	8,313.621901	8,283.008291	12.835801	17.777809	0	0	0	0
Applied Offsets								
Net Total	8,313.621901							

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	8,313.621901	8,283.008291	12.835801	17.777809	0	0	0	0
Total	8,313.621901	8,283.008291	12.835801	17.777809	0	0	0	0
Applied Offsets								
Net Total	8,313.621901							

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	233.782605	233.782605	0	0	0	0	0	0
Total	233.782605	233.782605	0	0	0	0	0	0
Applied Offsets								
Net Total	233.782605							

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	71,711.13962	71,498.100618	6.333225	0.134747	0	0	0	0
Mobile Combustion - Scope 1	75,656.963525	73,278.359938	76.914598	0.84902	0	0	0	0
Total	147,368.103145	144,776.460556	83.247823	0.983767	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	8,313.621901	8,283.008291	0.458417	0.06708	0	0	0	0
Total	8,313.621901	8,283.008291	0.458417	0.06708	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	8,313.621901	8,283.008291	0.458417	0.06708	0	0	0	0
Total	8,313.621901	8,283.008291	0.458417	0.06708	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	233.782605	233.782605	0	0	0	0	0	0
Total	233.782605	233.782605	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	155,915	0.00%
Market-based	0	155,915	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	92.945411	92.66929	0.008208	0.000174	0	0	0	0
Total	92.945411	92.66929	0.008208	0.000174	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	229.158833	228.314992	0.012636	0.001849	0	0	0	0
Total	229.158833	228.314992	0.012636	0.001849	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	229.158833	228.314992	0.012636	0.001849	0	0	0	0
Total	229.158833	228.314992	0.012636	0.001849	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	59.518375	59.299209	0.003281	0.00048	0	0	0	0
Total	59.518375	59.299209	0.003281	0.00048	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	59.518375	59.299209	0.003281	0.00048	0	0	0	0
Total	59.518375	59.299209	0.003281	0.00048	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	0.843169	0.840065	0.000046	0.000006	0	0	0	0
Total	0.843169	0.840065	0.000046	0.000006	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	0.843169	0.840065	0.000046	0.000006	0	0	0	0
Total	0.843169	0.840065	0.000046	0.000006	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	122.026296	121.576954	0.006728	0.000984	0	0	0	0
Total	122.026296	121.576954	0.006728	0.000984	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	122.026296	121.576954	0.006728	0.000984	0	0	0	0
Total	122.026296	121.576954	0.006728	0.000984	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	7.837773	7.808912	0.000432	0.000063	0	0	0	0
Total	7.837773	7.808912	0.000432	0.000063	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	7.837773	7.808912	0.000432	0.000063	0	0	0	0
Total	7.837773	7.808912	0.000432	0.000063	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	35,672.284014	35,566.309016	3.150426	0.06703	0	0	0	0
Total	35,672.284014	35,566.309016	3.150426	0.06703	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	3,691.698853	3,678.104747	0.203564	0.029789	0	0	0	0
Total	3,691.698853	3,678.104747	0.203564	0.029789	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	3,691.698853	3,678.104747	0.203564	0.029789	0	0	0	0
Total	3,691.698853	3,678.104747	0.203564	0.029789	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	2.37384	2.37384	0	0	0	0	0	0
Total	2.37384	2.37384	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	331.647546	330.783704	0.005583	0.002656	0	0	0	0
Total	331.647546	330.783704	0.005583	0.002656	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	231.408765	231.408765	0	0	0	0	0	0
Total	231.408765	231.408765	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	58,964.269791	57,277.891168	55.913688	0.45583	0	0	0	0
Total	58,964.269791	57,277.891168	55.913688	0.45583	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	16,361.046188	15,669.685066	20.995327	0.390534	0	0	0	0
Total	16,361.046188	15,669.685066	20.995327	0.390534	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	486.982758	485.189521	0.026852	0.003929	0	0	0	0
Total	486.982758	485.189521	0.026852	0.003929	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	486.982758	485.189521	0.026852	0.003929	0	0	0	0
Total	486.982758	485.189521	0.026852	0.003929	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	32.574798	32.478026	0.002876	0.000061	0	0	0	0
Total	32.574798	32.478026	0.002876	0.000061	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	181.590878	180.922198	0.010013	0.001465	0	0	0	0
Total	181.590878	180.922198	0.010013	0.001465	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	181.590878	180.922198	0.010013	0.001465	0	0	0	0
Total	181.590878	180.922198	0.010013	0.001465	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	35,909.631418	35,802.95131	3.171388	0.067476	0	0	0	0

Total	35,909.631418	35,802.95131	3.171388	0.067476	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	3,379.631763	3,367.186795	0.186356	0.027271	0	0	0	0
Total	3,379.631763	3,367.186795	0.186356	0.027271	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	3,379.631763	3,367.186795	0.186356	0.027271	0	0	0	0
Total	3,379.631763	3,367.186795	0.186356	0.027271	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	112.653277	112.23845	0.006211	0.000909	0	0	0	0
Total	112.653277	112.23845	0.006211	0.000909	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	112.653277	112.23845	0.006211	0.000909	0	0	0	0

Total	112.653277	112.23845	0.006211	0.000909	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	16.776051	16.714277	0.000925	0.000135	0	0	0	0
Total	16.776051	16.714277	0.000925	0.000135	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	16.776051	16.714277	0.000925	0.000135	0	0	0	0
Total	16.776051	16.714277	0.000925	0.000135	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	24.903875	24.812171	0.001373	0.0002	0	0	0	0
Total	24.903875	24.812171	0.001373	0.0002	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	24.903875	24.812171	0.001373	0.0002	0	0	0	0
Total	24.903875	24.812171	0.001373	0.0002	0	0	0	0