APPENDIX A

La Quinta General Plan

Greenhouse Gas Reduction Plan

Understanding Climate Change

Background and Historical Trends

Prepared by

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A. Understanding Climate Change

Weather can be defined as the current atmospheric conditions at a particular place and time, and includes variations in daily temperatures, precipitation and air circulation over a localized or regional area. A region can experience changes to the weather on a daily, or even hourly basis. Climate, on the other hand, is often defined as the long-term average weather for a region. Climate is a complex interactive system affected by both internal dynamics and external factors. External factors include variations in solar radiation, volcanic eruptions and other natural occurrences, and human induced changes to the atmosphere, including increased greenhouse gas production. Approximately 30% of solar radiation is reflected back into space. However the balance is absorbed into the Earth's atmosphere, and then into the Earth itself. Volcanic activity emits aerosols high into the atmosphere that help to reflect solar radiation back into space. Such reflection can cause mean global surface temperatures to drop over months and years. Other natural factors that affect climate are the presence of greenhouse gases in the atmosphere, such as carbon dioxide, methane, nitrous oxide and water vapor.

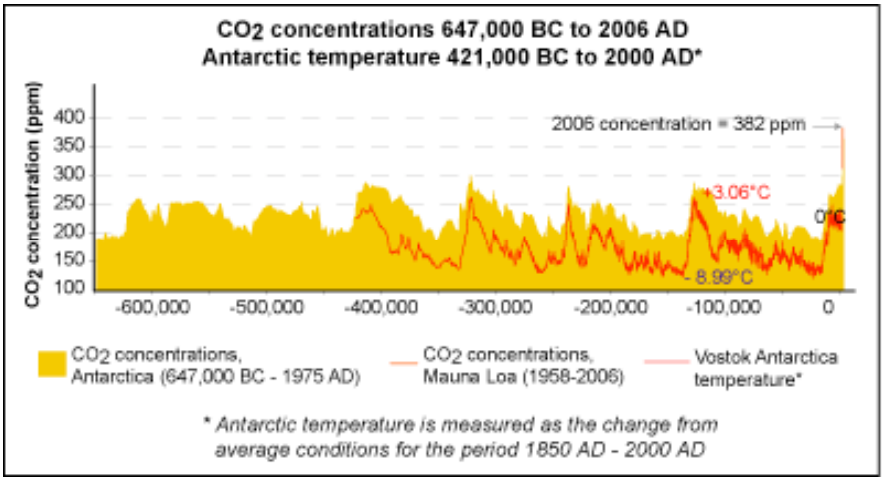
While natural processes have resulted in cyclical variations to Earth's temperatures over geological time, research indicates that man-made sources of GHG released since the beginning of the industrial era represent an unprecedented increase compared to historical levels. Carbon dioxide concentrations in the atmosphere have increased 35% over natural amounts, primarily due to combustion of fossil fuels. Human activities have altered the chemical composition of the global atmosphere and are believed to be responsible for climate change.[1]

Historical Trends

In order to understand modern effects of global warming, one needs to understand the historical trends of greenhouse gases in the atmosphere before and after industrialization. Recent ice core sampling has found that global concentrations of carbon dioxide, methane and nitrous oxide, which are considered long-lived greenhouse gases due to their chemical stability and persistence in the atmosphere, have increased significantly since the pre-industrial era. This increase has been associated with modern industrial activities, including the burning of fossil fuels, transportation, modern agriculture and industrial related activities.

[1] Climate Change 2007: Working Group I: The Physical Science Basis, prepared for Intergovernmental Panel on Climate Change, 2007.

Carbon dioxide is considered the most prominent greenhouse gas. Annual emissions of carbon dioxide grew by 80% between 1970 and 2004, and accounted for 77% of the total greenhouse gases emitted in 2004.[2] As shown on the graph below, carbon dioxide levels have increased from about 280 parts per million (ppm) before the industrial era, to 382 ppm in 2006. Prior to industrialization, carbon dioxide levels fluctuated between 180 ppm and 300 ppm. Between the years 1995 and 2005 alone, CO_2 levels have increased 1.9 ppm per year.[3] This represents a CO_2 concentration peak that has never occurred over the past 650,000 years.[4] The primary sources of this increased release of carbon dioxide has been associated to fossil fuel use and land conversion resulting in deforestation.



Source: US Environmental Protection Agency, 2010

Chart 1: Historic Fluctuation of CO2

Nitrous oxide concentrations have also increased since the pre-industrial era, however not to the same extent as carbon dioxide or methane. Nitrous oxide concentrations have increased from 270 parts per billion (ppb) before industrialization, to 319 ppb in 2005. Nitrous oxide emissions are generated by agricultural activities and combustion of fossil fuels. When measured on a global basis, however, 60% of nitrous oxide emissions are generated from natural resources. Nitrous oxide levels have increased approximately 0.25% per year during the last two decades.[5]

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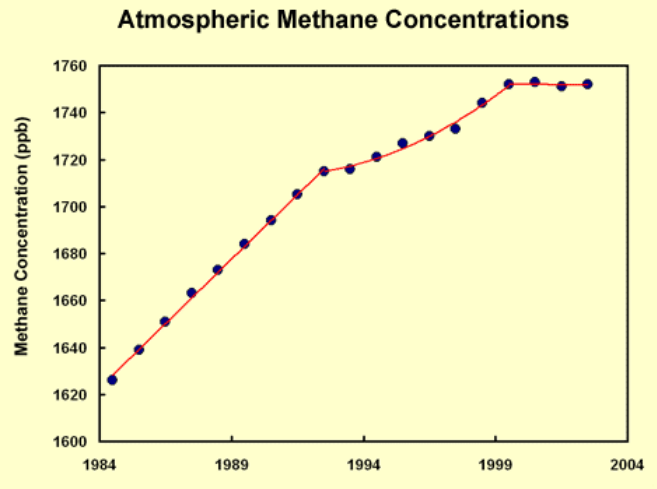
2 Climate Change 2007 Synthesis Report, prepared by Intergovernmental Panel on Climate Change, 2007.

3 Climate Change 2007: Working Group I: The Physical Science Basis, prepared by Intergovernmental Panel on Climate Change, 2007.

4 United States Environmental Protection Agency, 2010.

5 United States EPA, www.epa.gov/nitrousoxide/scientific.html, 2010.

Methane concentrations in the atmosphere have also increased substantially since pre-industrial times. Prior to industrialization, methane concentrations fluctuated between 320 ppb to 790 ppb, as determined from ice core samplings. Methane concentrations in the atmosphere have increased almost 150%, from a value of 715 ppb before industrialization, to 1774 ppb in 2005. The following chart shows the substantial increase in methane concentrations that have occurred over the past 25 years.



Source: US Environmental Protection Agency, 2010

Chart 2: Recent Methane Trend

Observed Changes in Climate

Scientists have been able to study climate change going back millions of years by studying ice cores, tree rings, glacier lengths, pollen remains, ocean sediment and changes in the Earth's orbit.

Prior to the industrial revolution, climate change was due to natural forces, including changes in the Earth's orbit, sun intensity, volcanic eruptions, changes in natural greenhouse gas concentrations, and changes in ocean currents. Since the beginning of the industrial era in 1750, human activities have contributed to climate change.

According to the Intergovernmental Panel on Climate Change (IPCC), global mean temperatures have risen 0.74°C degrees Celsius between 1906 and 2005; global sea surface temperatures have increased to depths of 3,000 meters since 1961; sea levels have risen by 0.17 mm since the beginning of the 20th century; and snow and glaciers continue to melt faster than new snow accumulation, contributing to rising sea

levels. Significantly, eleven of the twelve years between 1995 and 2006 ranked among the warmest years since records began in 1850.[6]

According to the National Oceanic and Atmospheric Administration (NOAA) and NASA reports, the average surface temperature of the Earth has warmed 1°F since the 1970's, and the Earth's surface is warming at a rate of 0.29°F degrees Fahrenheit per decade. NOAA observations have shown that temperatures in the United States have risen at an average rate of 0.11°F degrees Fahrenheit per decade over the last century. The IPCC has concluded that most of the global warming since the mid-20th century is not due to natural causes, but is a result of a rapid increase of greenhouse gases caused by human activities.[7] Since the 1980's, federal, State, and local governments have become increasingly involved in addressing climate change by calling for a reduction to greenhouse gas emissions to limit the potential effects of global warming.

B. The Impact of Climate Change

Global warming results in increased global temperatures, melting snow and glaciers, and rising sea levels. There are many indirect effects as well, including changes to agriculture and food supply, and human health effects. This section looks at some of the potential impacts of climate change.

Climate and Hydrology

One of the more direct effects of global warming is changes to the hydrologic cycle. Over the last hundred years, the Earth's mean temperature rose by 0.74°C degrees Celsius, with the northern hemisphere experiencing a more dramatic increase in temperature than the southern hemisphere. This rise in temperature has caused glaciers to melt, mountain snows to recede and ice caps to shrink. As shown in the satellite photos below, annual average Artic sea ice has decreased by 2.7% per decade. Additionally, the percentage of seasonally frozen ground in the northern hemisphere has decreased by 7% since 1900.[8] Ocean waters near Antarctica have risen and continue to result in loss of ice shelves around that continent.

Global warming affects precipitation and shifts rainfall patterns. Throughout the 20th century and the beginning of this one, records show that areas in the eastern parts of North and South America, northern Europe and Central Asia have received significant increases in precipitation. At the same time, areas along the Mediterranean, the Sahel region of Africa, southern Africa, and parts of southern Asia have seen declines

6 Climate Change 2007: Working Group I: The Physical Science Basis, prepared by IPCC Change, 2007.

7 US EPA, http://epa.gov/climatechange/science/recenttc.html, accessed November 2010.

8 Climate Change 2007 Synthesis Report, prepared by Intergovernmental Panel on Climate Change, 2007.

in precipitation leading to more droughts. Tropical cyclones have increased in intensity, especially within the North Atlantic, since the 1970's.[9]

The northern latitudes will most likely continue to see the greatest amount of warming, leading to reduced sea ice coverage in the Artic. Precipitation will continue to increase in high latitude regions and decrease in subtropical regions. Tropical cyclone intensities are projected to increase and storm tracks are likely to shift toward the poles. Increased sea surface temperatures will continue to melt polar ice caps, resulting in rising sea levels and coastal flooding.

Effects on Human Society

Climate change will result in human health effects. During the previous hot periods in the 1930's, less than 20% of the lower 48 States had above normal low temperatures during the summer. Within the last decade, however, approximately 30% of the lower 48 exhibit above normal low temperatures during the summer.[10] Higher low temperatures during the summer help inevitably lead to increased daytime temperatures, and can cause heat related injuries. The warming caused by greenhouse gases is likely to increase the occurrence and intensity of heat waves. Heat waves can result in heat stroke and heat exhaustion. These heat-related illnesses are likely to occur more frequently due to global warming, especially in urban areas. Indicators have shown that the percentage of the United States experiencing heat waves has risen since the 1970's.

Climate change is also affecting the growing season, crops and farming. The growing season in the US is between the last spring frost and first autumn frost. Since the beginning of the 20th century, the growing season has been extended by two weeks, with the biggest increase occurring just within the last 30 years.

Global warming has shifted animal and plant species' ranges, some of which are pests that threaten farming areas, especially in the northern climates.[11]

California Specific Effects

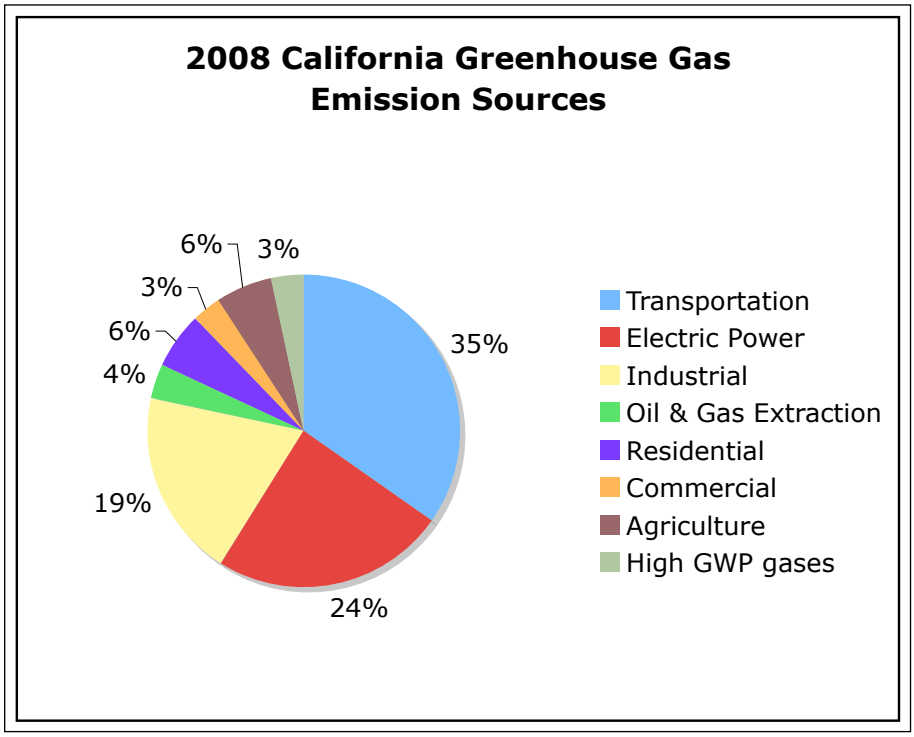
The State emitted approximately 477.7 million metric tons of CO2e in 2008, which was down from a high of 483.9 million metric tons in 2004. Transportation (cars, trucks airplanes and boats) was responsible for over 35% of the total greenhouse gases that were emitted in 2008, with 93% of transportation greenhouses gases coming from passenger vehicles and heavy-duty trucks.

9 Climate Change 2007 Synthesis Report, prepared by Intergovernmental Panel on Climate Change, 2007.

10 Climate Change Indicators in the United States, prepared by US EPA, April, 2010.

11 Climate Change Indicators in the United States, prepared by US EPA, April, 2010.

Electric power generation was the second largest source of greenhouse gas emissions in 2008, and generated approximately 116.4 million metric tons of CO2e, or 24% of greenhouse emissions.[12] The chart below illustrates the distribution of California's greenhouse gas emission sources.



Source: Trends in California Greenhouse Gas Emissions for 2000 to 2008, CARB, May 28, 2010
Note: High Global Warming Potential Gases (GWP) are ozone-depleting substances such as HFCs and PFCs, and are generated by such processes as semiconductor manufacturing and electricity grid equipment.

Chart 3: 2008 GHG Emissions Statewide

The early effects of global warming are evident statewide. The Sierra Nevada snowpack has shrunk by 10%, and a sea level rise of up to 8 inches has been recorded at the Golden Gate Bridge within the last 100 years. These climate change effects not only threaten to reduce California's future water supply and threaten low-lying coastal areas with flooding, but the California Legislature has also found global warming could affect state industries including agriculture, winemaking, tourism, skiing, commercial and recreational fishing, forestry, and electric power generation.[13]

[12] Trends in California Greenhouse Gas Emissions for 2000 to 2008, CARB, May 28, 2010.

[13] Climate Change Scoping Plan, prepared by CARB, December 2008.

C. Laws and Regulations

The International Panel on Climate Change (IPCC) was created in 1988 by the United Nations Environment Program (UNEP) and the World Meteorological Organization (WMO) to study the global effects of climate change. Studies prepared by the IPCC allow government leaders and policy makers to create regulation to address climate change. The IPCC played a major role in developing the United Nations Convention on Climate Change (UNCCC) treaty.[14] The UNCCC was adopted in 1992 to encourage countries around the world to join together and address the challenges created by climate change. The Convention is made up of 194 member countries, including the United States, who recognize the shared responsibilities for reducing greenhouse gases caused by industrialization. Under the Convention, governments gather and share information on greenhouse gases, national policies, and best practices; and create strategies for addressing greenhouse gas emissions. In December 1997, the UNCCC adopted the Kyoto Protocol to provide legally binding measures to reduce greenhouse gases by 5% from 1990 levels over five years, starting in 2008. The Kyoto Protocol was ratified by 192 countries. The United States signed the Kyoto Protocol but did not ratify it, and therefore is not required to abide by the reduction measures.[15]

In the United States, a national effort is underway to reduce greenhouse gases and has invested in clean energy technology. The American Recovery and Reinvestment Act of 2009 included $80 billion toward investments in renewable energy sources. The Administration has also established more stringent energy efficiency standards for commercial and residential appliances. Additionally, President Obama signed the Executive Order on Federal Sustainability, which commits the Federal Government to reducing greenhouse gas emissions by 28% by 2020, increasing energy efficiency, and reducing fleet petroleum consumption.[16]

California Laws

One of the first pieces of legislation passed to promote energy efficiency was the California Code of Regulations Title 24, enacted in 1978. Title 24 establishes energy efficiency standards for residential and nonresidential building construction. Over the years, the standards were periodically updated, with the most recent update becoming effective January 1, 2010.

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14 IPCC, http://www.ipcc.ch/organization/organization_history.shtml, accessed November 11, 2010.

15 United Nations Framework Convention on Climate Change, http://unfccc.int/essential_background/items/2877.php, accessed November 10, 2010.

16 Energy & Environment, http://www.whitehouse.gov/issues/energy-and-environment, accessed November 10, 2010.

California's first climate change bill occurred in 1988, with the passage of Assembly Bill (AB) 4420. AB 4420 made the California Energy Commission responsible for studying greenhouse gases and preparing and maintaining an inventory of greenhouse gas sources.

In September 2000, Senate Bill (SB) 1771 created the non-profit organization, California Climate Action Registry, to help greenhouse gas emitters establish baselines and voluntarily record their greenhouse gas emissions in anticipation of credit programs for early reductions.

In 2002, AB 1493 was signed into law, requiring the California Air Resources Board (CARB) to set regulations on greenhouse gas emissions from passenger vehicles, non-commercial trucks and light-duty trucks sold in California. These new regulations were to become effective starting with 2009 models, however legal pressure from automakers and the US EPA delayed the process. The US EPA finally granted California the right to implement greenhouse gas emission standards on June 30, 2009, and it is expected that greenhouse gas emissions from non-commercial vehicles will be reduced by 22% in 2012 and 30% by 2016.[17]

In 2005, Executive Order S-3-05 went into effect, which calls for a State-wide reduction in greenhouse gas emissions to 2000 levels by 2010, 1990 levels by 2020 and 80% below 1990 levels by 2050. In 2006, SB 1368 passed to help transition power sources away from carbon-intensive plants toward cleaner energy producers. The most comprehensive piece of legislation to address climate change, however, is AB 32, or the Global Warming Solutions Act.

The Global Warming Solutions Act was passed by the State Legislature and signed by the Governor in 2006, and sets the target of achieving 1990 level emissions by 2020. The California Legislature passed AB 32 based on the following findings and declaration.

> *"The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to the marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other health-related problems."*[18]

[17] Clean Car Standards, Pavley, Assembly Bill 1493, http://www.arb.ca.gov/cc/ccms/ccms.htm, accessed November 11, 2010.

[18] Climate Change Scoping Plan, prepared by CARB, December 2008.

AB 32 gave the California Air Resources Board responsibility to develop early actions measures to reduce greenhouse gases.

The regulations imposed by AB 32 radically change the way business is done in California. Without AB 32, and under a "business as usual" approach, California was projected to release approximately 596 million metric tons of CO2e in 2020. AB 32 now requires a reduction of 169 million metric tons of CO2e, or a 30% reduction of greenhouse gases by 2020 to meet the established target of 427 million metric tons of CO2e.[19]

[19] Climate Change Scoping Plan, prepared by CARB, December 2008.

APPENDIX B

La Quinta General Plan

Greenhouse Gas Reduction Plan

Output Tables
Community Wide Analysis

Clean Air Climate Protection 2009 Software
Version 2.2.1b

Prepared by

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May 31, 2012

La Quinta

Community Greenhouse Gas Emissions in 2005

Summary Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)
Residential	166,986	1,773	7,127	167,686	36.4	480,540,970
Commercial	77,157	881	2,918	77,492	16.8	203,221,151
Transportation	201,934	12,643	10,124	206,066	44.7	830,551,612
Waste	0	0	462,052	9,703	2.1	
Total	446,077	15,298	482,221	460,946	100.0	1,514,313,732

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

Community Greenhouse Gas Emissions in 2005
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)
Residential						
La Quinta, California						
Untitled						
Electricity	137,011	1,716	4,289	137,633	29.9	315,169,183
Natural Gas	29,803	56	2,808	29,879	6.5	164,571,565
Propane	172	2	30	173	0.0	800,222
Subtotal Untitled	166,986	1,773	7,127	167,686	36.4	480,540,970
Subtotal Residential	166,986	1,773	7,127	167,686	36.4	480,540,970
Commercial						
La Quinta, California						
Untitled						
Electricity	69,169	866	2,165	69,483	15.1	159,111,567
Natural Gas	7,988	15	753	8,008	1.7	44,109,584
Subtotal Untitled	77,157	881	2,918	77,492	16.8	203,221,151
Subtotal Commercial	77,157	881	2,918	77,492	16.8	203,221,151
Transportation						
La Quinta, California						
Untitled						
Diesel	32,677	96	99	32,709	7.1	130,886,519
Gasoline	169,257	12,547	10,025	173,357	37.6	699,665,092
Subtotal Untitled	201,934	12,643	10,124	206,066	44.7	830,551,612
Subtotal Transportation	201,934	12,643	10,124	206,066	44.7	830,551,612

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

Community Greenhouse Gas Emissions in 2005
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)
Waste						
La Quinta, California						
Refuse/Residue						*Disposal Method - Managed Landfill*
Paper Products	0	0	353,293	7,419	1.6	
Food Waste	0	0	68,413	1,437	0.3	
Plant Debris	0	0	29,821	626	0.1	
Wood or Textiles	0	0	10,525	221	0.0	
Subtotal Refuse/Residue	0	0	462,052	9,703	2.1	
Subtotal Waste	0	0	462,052	9,703	2.1	
Total	446,077	15,298	482,221	460,946	100.0	1,514,313,732

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

La Quinta

Community Greenhouse Gas Emissions in 2020

Summary Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)
Residential	205,723	2,008	8,604	206,526	30.9	591,970,065
Commercial	198,111	2,078	7,299	198,908	29.7	521,383,620
Transportation	245,753	14,402	12,250	250,475	37.5	1,010,399,117
Waste	0	0	605,602	12,718	1.9	
Total	649,587	18,488	633,755	668,627	100.0	2,123,752,802

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

Community Greenhouse Gas Emissions in 2020
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)
Residential						
La Quinta, California						
Untitled						
Electricity	168,798	1,937	5,107	169,505	25.4	388,251,436
Natural Gas	36,713	69	3,460	36,807	5.5	202,732,849
Propane	212	2	37	214	0.0	985,780
Subtotal Untitled	205,723	2,008	8,604	206,526	30.9	591,970,065
Subtotal Residential	205,723	2,008	8,604	206,526	30.9	591,970,065
Commercial						
La Quinta, California						
Untitled						
Electricity	177,717	2,040	5,377	178,462	26.7	408,766,144
Natural Gas	20,394	38	1,922	20,446	3.1	112,617,476
Subtotal Untitled	198,111	2,078	7,299	198,908	29.7	521,383,620
Subtotal Commercial	198,111	2,078	7,299	198,908	29.7	521,383,620
Transportation						
La Quinta, California						
Untitled						
Diesel	42,730	126	130	42,772	6.4	171,153,503
Gasoline	203,023	14,276	12,120	207,703	31.1	839,245,614
Subtotal Untitled	245,753	14,402	12,250	250,475	37.5	1,010,399,117
Subtotal Transportation	245,753	14,402	12,250	250,475	37.5	1,010,399,117

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

Community Greenhouse Gas Emissions in 2020
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)
Waste						
La Quinta, California						
Refuse/Residue						*Disposal Method - Managed Landfill*
Paper Products	0	0	463,054	9,724	1.5	
Food Waste	0	0	89,668	1,883	0.3	
Plant Debris	0	0	39,086	821	0.1	
Wood or Textiles	0	0	13,795	290	0.0	
Subtotal Refuse/Residue	0	0	605,602	12,718	1.9	
Subtotal Waste	0	0	605,602	12,718	1.9	
Total	649,587	18,488	633,755	668,627	100.0	2,123,752,802

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

Community Greenhouse Gas Emissions in 2035
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)
Residential						
La Quinta, California						
Untitled						
Electricity	207,939	2,386	6,291	208,811	25.2	478,280,193
Natural Gas	45,227	85	4,262	45,342	5.5	249,743,071
Propane	261	2	46	263	0.0	1,214,365
Subtotal Untitled	253,427	2,474	10,599	254,416	30.7	729,237,629
Subtotal Residential	253,427	2,474	10,599	254,416	30.7	729,237,629
Commercial						
La Quinta, California						
Untitled						
Electricity	204,876	2,351	6,199	205,735	24.8	471,235,210
Natural Gas	23,511	44	2,215	23,571	2.8	129,828,071
Subtotal Untitled	228,387	2,396	8,414	229,306	27.7	601,063,281
Subtotal Commercial	228,387	2,396	8,414	229,306	27.7	601,063,281
Transportation						
La Quinta, California						
Untitled						
Diesel	55,981	165	170	56,035	6.8	224,228,206
Gasoline	265,980	18,703	15,879	272,112	32.8	1,099,495,684
Subtotal Untitled	321,961	18,868	16,049	328,147	39.6	1,323,723,890
Subtotal Transportation	321,961	18,868	16,049	328,147	39.6	1,323,723,890

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

Community Greenhouse Gas Emissions in 2035
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)
Waste						
La Quinta, California						
Refuse/Residue						*Disposal Method - Managed Landfill*
Paper Products	0	0	606,915	12,745	1.5	
Food Waste	0	0	117,526	2,468	0.3	
Plant Debris	0	0	51,229	1,076	0.1	
Wood or Textiles	0	0	18,081	380	0.0	
Subtotal Refuse/Residue	0	0	793,750	16,669	2.0	
Subtotal Waste	0	0	793,750	16,669	2.0	
Total	803,775	23,738	828,812	828,538	100.0	2,654,024,800

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

La Quinta

Community Greenhouse Gas Emissions in 2035

Summary Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)
Residential	253,427	2,474	10,599	254,416	30.7	729,237,629
Commercial	228,387	2,396	8,414	229,306	27.7	601,063,281
Transportation	321,961	18,868	16,049	328,147	39.6	1,323,723,890
Waste	0	0	793,750	16,669	2.0	
Total	803,775	23,738	828,812	828,538	100.0	2,654,024,800

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

La Quinta

Community Greenhouse Gas Emissions Reductions in 2020

Target Year Measures Summary

Measures Summary	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Energy Cost Savings ($)
Residential Sector	70,998	678	3,063	71,272	28.1	133,350,576	0
Commercial Sector	78,154	838	2,759	78,472	30.9	157,394,784	0
Transportation Sector	95,535	3,167	231	96,522	38.0	401,672,768	0
Waste Sector	0	0	365,874	7,683	3.0		0
Total	244,688	4,683	371,926	253,950	100.0	692,418,128	0

Climate Action Plan	(tonnes eCO2)
Base Year 2005 Emissions	460,946
Target Year 2020 Emissions Forecast	668,627
Target Emissions Level	414,852
Emissions Reductions Required to Meet Target	253,776
Emissions Reductions in Climate Action Plan as of 2020	253,950

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

La Quinta

Community Greenhouse Gas Emissions Reductions in 2020
Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Energy Cost Savings ($)
Residential Sector							
La Quinta, California							
Change in Energy Source							
R-C1 Nat Gas 2035	2,872	5	271	2,879	1.1	10,644,026	0
R-C1: New Homes Use Solar	8,863	102	268	8,900	3.5	0	0
R-C1: New Homes Use Solar	0	0	0	0	0.0	0	0
R-C2 Nat Gas 2035 solar	3,812	7	359	3,822	1.5	0	0
R-C2: Increase Solar 2020	12,781	147	387	12,834	5.1	0	0
R-C2: Increase Solar 2035	0	0	0	0	0.0	0	0
R-C3: Expand Renewable Gri	0	0	0	0	0.0	0	0
R-C3: Expand Renewable Gri	0	0	0	0	0.0	0	0
Energy Efficiency: Appliances and Equipment							
R-B1: Upgrade Appliances 20	10,892	106	454	10,935	4.3	31,322,912	0
R-B1: Upgrade Appliances 20	0	0	0	0	0.0	0	0
Energy Efficiency: Buildings							
R-A1: New Homes 40% more	15,106	147	630	15,165	6.0	43,440,405	0
R-A1: New Homes 70% more	0	0	0	0	0.0	0	0
R-A2: Retrofit Existing Homes	7,780	76	324	7,811	3.1	22,373,509	0
R-A2: Retrofit Existing Homes	0	0	0	0	0.0	0	0
R-A3 Residential Net Zero 20	8,892	87	371	8,926	3.5	25,569,724	0
R-A3 Residential Net Zero 20	0	0	0	0	0.0	0	0
Subtotal Residential	70,998	678	3,063	71,272	28.1	133,350,576	0
Commercial Sector							
La Quinta, California							
Change in Energy Source							
C-C1: Source Expansion of	18,349	211	555	18,426	7.3	0	0
C-C1: Source Expansion of	0	0	0	0	0.0	0	0

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

La Quinta

Community Greenhouse Gas Emissions Reductions in 2020
Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Energy Cost Savings ($)
Energy Efficiency: Buildings							
C-A1: Net Zero Energy Demai	14,758	155	544	14,817	5.8	38,839,154	0
C-A1: Net Zero Energy Demai	0	0	0	0	0.0	0	0
C-A2 Net-Zero Retrofit 2020	36,038	378	1,328	36,183	14.2	94,844,504	0
C-A2 Net-Zero Retrofit 2035	0	0	0	0	0.0	0	0
Energy Efficiency: Equipment and Lighting							
C-B1: Upgrade equipment 202	9,010	95	332	9,046	3.6	23,711,126	0
C-B1: Upgrade equipment 203	0	0	0	0	0.0	0	0
Subtotal Commercial	78,154	838	2,759	78,472	30.9	157,394,784	0
Transportation Sector							
La Quinta, California							
Change in Fuel Type or Technology							
LT-A3: Reduce Diesel Increas	235	0	-2	235	0.1	1,074,452	0
LT-A3: Reduce Gas Increase	7,132	607	399	7,328	2.9	33,017,808	0
LT-A3: Reduce Gas Increase	0	0	0	0	0.0	0	0
LT-A3:Reduce Diesel Increase	0	0	0	0	0.0	0	0
P-A1: Increase Use of Electric	8,097	762	660	8,347	3.3	39,236,766	0
P-A1: Increase Use of Electric	0	0	0	0	0.0	0	0
P-A1: Replace Diesel Passen	47	0	0	47	0.0	216,758	0
P-A1: Replace Diesel Passen	0	0	0	0	0.0	0	0
Increase in Fuel Efficiency							
HD-G1: Increase Fuel Efficier	6,643	0	0	6,643	2.6	26,610,133	0
LTD-G1: Increase Fuel Efficie	267	0	0	267	0.1	1,068,844	0
LTG-G1: Increase Fuel Efficie	7,821	0	0	7,821	3.1	32,329,341	0
P-G1: Increase Fuel Efficiency	34,514	0	0	34,514	13.6	142,671,661	0
Other VMT Reduction							
CNG-D-5: 2020 Signal Sync	78	17	194	88	0.0	432,503	0
CNG-D-5: 2035 Signal Sync	0	0	0	0	0.0	0	0
HD-D4: Signal Synchronizatio	2,740	8	9	2,743	1.1	10,974,993	0

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La Quinta

Community Greenhouse Gas Emissions Reductions in 2020
Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Energy Cost Savings ($)
HD-D4: Signal Synchronizatio	0	0	0	0	0.0	0	0
LTD-D2: Signal Synchronizati	207	1	0	207	0.1	828,484	0
LTD-D2: Signal Synchronizati	0	0	0	0	0.0	0	0
LTG-D3: Signal Synchronizati	5,993	416	302	6,129	2.4	24,775,553	0
LTG-D3: Signal Synchronizati	0	0	0	0	0.0	0	0
P-D1: Signal Synchronization	8,688	617	584	8,891	3.5	35,912,762	0
P-D1: Signal Synchronization	0	0	0	0	0.0	0	0
Switch to Public Transport							
LTD-B2: Expand Public Trans	79	-3	-38	77	0.0	293,808	0
LTD-B2: Expand Public Trans	0	0	0	0	0.0	0	0
LTG-B3: Expand Public Trans	2,348	104	-815	2,364	0.9	9,194,371	0
LTG-B3: Expand Public Trans	0	0	0	0	0.0	0	0
PG-B1: Expand Public Transp	2,681	81	-1,554	2,674	1.1	10,122,542	0
PG-B1: Expand Public Transp	0	0	0	0	0.0	0	0
Walking/Biking							
LTD-C2: Expand Alt Transpor	78	0	0	78	0.0	313,108	0
LTD-C2: Expand Alt Transpor	0	0	0	0	0.0	0	0
LTG-C3: Expand Alt Transpor	2,265	157	114	2,316	0.9	9,363,398	0
LTG-C3: Expand Alt Transpor	0	0	0	0	0.0	0	0
PG-C1: Expand Alt Transport	5,621	399	378	5,753	2.3	23,235,483	0
PG-C1: Expand Alt Transport	0	0	0	0	0.0	0	0
Subtotal Transportation	95,535	3,167	231	96,522	38.0	401,672,768	0
Waste Sector							
La Quinta, California							
Landfilling to Composting							
W-1 Divert Food Waste 2020	0	0	20,175	424	0.2		0
W-1 Divert Food Waste 2035	0	0	0	0	0.0		0
Landfilling to Recycling							
W-2 Divert Paper Waste 2035	0	0	0	0	0.0		0

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La Quinta

Community Greenhouse Gas Emissions Reductions in 2020
Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Energy Cost Savings ($)
W-2 DivertPaper Waste 2020	0	0	118,341	2,485	1.0		0
Landfilling to Composting							
W-3 Divert Plant Waste 2020	0	0	19,543	410	0.2		0
W-3 Divert Plant Waste 2035	0	0	0	0	0.0		0
Landfilling to Recycling							
W-4: Divert Misc Waste	0	0	27,813	584	0.2		0
W-4: Divert Misc Waste 2035	0	0	0	0	0.0		0
Landfilling to Reduction							
W-5: Divert Foor Waste Streai	0	0	897	19	0.0		0
W-5: Reduce Foor Waste Stre	0	0	0	0	0.0		0
W-6: Reduce Paper Waste Sti	0	0	179,105	3,761	1.5		0
W-6: Reduce Paper Waste Sti	0	0	0	0	0.0		0
Subtotal Waste	0	0	365,874	7,683	3.0		0
Total	244,688	4,683	371,926	253,950	100.0	692,418,128	0

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La Quinta

Community Greenhouse Gas Emissions Reductions in 2035

Target Year Measures Summary

Measures Summary	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Energy Cost Savings ($)
Residential Sector	157,016	1,544	6,473	157,631	31.7	305,831,239	0
Commercial Sector	141,869	1,507	5,102	142,443	28.7	323,583,547	0
Transportation Sector	174,143	8,523	2,427	176,836	35.6	775,420,768	0
Waste Sector	0	0	941,463	19,771	4.0		0
Total	473,028	11,574	955,465	496,681	100.0	1,404,835,554	0

Climate Action Plan	(tonnes eCO2)
Base Year 2005 Emissions	460,946
Target Year 2035 Emissions Forecast	828,538
Target Emissions Level	331,881
Emissions Reductions Required to Meet Target	496,657
Emissions Reductions in Climate Action Plan as of 2035	496,681

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La Quinta

Community Greenhouse Gas Emissions Reductions in 2035
Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Energy Cost Savings ($)
Residential Sector							
La Quinta, California							
Change in Energy Source							
R-C1 Nat Gas 2035	4,103	8	387	4,113	0.8	15,205,751	0
R-C1: New Homes Use Solar	8,863	102	268	8,900	1.8	0	0
R-C1: New Homes Use Solar	12,661	145	383	12,714	2.6	0	0
R-C2 Nat Gas 2035 solar	4,765	9	449	4,778	1.0	0	0
R-C2: Increase Solar 2020	12,781	147	387	12,834	2.6	0	0
R-C2: Increase Solar 2035	12,781	147	387	12,834	2.6	0	0
R-C3: Expand Renewable Gri	0	0	0	0	0.0	0	0
R-C3: Expand Renewable Gri	0	0	0	0	0.0	0	0
Energy Efficiency: Appliances and Equipment							
R-B1: Upgrade Appliances 20	10,892	106	454	10,935	2.2	31,322,912	0
R-B1: Upgrade Appliances 20	10,892	106	454	10,935	2.2	31,322,912	0
Energy Efficiency: Buildings							
R-A1: New Homes 40% more	15,106	147	630	15,165	3.1	43,440,405	0
R-A1: New Homes 70% more	30,828	301	1,285	30,949	6.2	88,652,792	0
R-A2: Retrofit Existing Homes	7,780	76	324	7,811	1.6	22,373,509	0
R-A2: Retrofit Existing Homes	7,780	76	324	7,811	1.6	22,373,509	0
R-A3 Residential Net Zero 20	8,892	87	371	8,926	1.8	25,569,724	0
R-A3 Residential Net Zero 20	8,892	87	371	8,926	1.8	25,569,724	0
Subtotal Residential	157,016	1,544	6,473	157,631	31.7	305,831,239	0
Commercial Sector							
La Quinta, California							
Change in Energy Source							
C-C1: Source Expansion of	18,916	217	572	18,995	3.8	0	0
C-C1: Source Expansion of	0	0	0	0	0.0	0	0

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La Quinta

Community Greenhouse Gas Emissions Reductions in 2035
Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Energy Cost Savings ($)
Energy Efficiency: Buildings							
C-A1: Net Zero Energy Dema	14,758	155	544	14,817	3.0	38,839,154	0
C-A1: Net Zero Energy Dema	6,465	68	238	6,491	1.3	17,015,248	0
C-A2 Net-Zero Retrofit 2020	36,038	378	1,328	36,183	7.3	94,844,504	0
C-A2 Net-Zero Retrofit 2035	45,048	473	1,660	45,229	9.1	118,555,593	0
Energy Efficiency: Equipment and Lighting							
C-B1: Upgrade equipment 20	9,010	95	332	9,046	1.8	23,711,126	0
C-B1: Upgrade equipment 20	11,634	122	429	11,681	2.4	30,617,922	0
Subtotal Commercial	141,869	1,507	5,102	142,443	28.7	323,583,547	0
Transportation Sector							
La Quinta, California							
Change in Fuel Type or Technology							
LT-A3: Reduce Diesel Increas	235	0	-2	235	0.0	1,074,452	0
LT-A3: Reduce Gas Increase	7,132	607	399	7,328	1.5	33,017,808	0
LT-A3: Reduce Gas Increase	18,417	1,865	1,133	19,019	3.8	94,698,456	0
LT-A3:Reduce Diesel Increas	187	-6	-22	184	0.0	2,109,808	0
P-A1: Increase Use of Electric	8,097	762	660	8,347	1.7	39,236,766	0
P-A1: Increase Use of Electric	18,901	2,326	1,879	19,662	4.0	108,412,599	0
P-A1: Replace Diesel Passen	47	0	0	47	0.0	216,758	0
P-A1: Replace Diesel Passen	117	-1	-2	117	0.0	607,632	0
Increase in Fuel Efficiency							
HD-G1: Increase Fuel Efficier	9,491	0	0	9,491	1.9	38,014,475	0
LTD-G1: Increase Fuel Efficie	381	0	0	381	0.1	1,526,919	0
LTG-G1: Increase Fuel Efficie	11,173	0	0	11,173	2.2	46,184,773	0
P-G1: Increase Fuel Efficiency	49,306	0	0	49,306	9.9	203,816,658	0
Other VMT Reduction							
CNG-D-5: 2020 Signal Sync	78	17	194	88	0.0	432,503	0
CNG-D-5: 2035 Signal Sync	74	19	215	85	0.0	409,866	0
HD-D4: Signal Synchronizatio	2,740	8	9	2,743	0.6	10,974,993	0

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La Quinta

Community Greenhouse Gas Emissions Reductions in 2035
Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Energy Cost Savings ($)
HD-D4: Signal Synchronizatio	1,214	4	4	1,215	0.2	4,861,922	0
LTD-D2: Signal Synchronizati	207	1	0	207	0.0	828,484	0
LTD-D2: Signal Synchronizati	75	0	0	75	0.0	300,994	0
LTG-D3: Signal Synchronizati	5,993	416	302	6,129	1.2	24,775,553	0
LTG-D3: Signal Synchronizati	2,177	151	110	2,227	0.4	9,001,129	0
P-D1: Signal Synchronization	8,688	617	584	8,891	1.8	35,912,762	0
P-D1: Signal Synchronization	2,702	192	181	2,765	0.6	11,168,251	0
Switch to Public Transport							
LTD-B2: Expand Public Trans	79	-3	-38	77	0.0	293,808	0
LTD-B2: Expand Public Trans	62	-2	-29	61	0.0	234,547	0
LTG-B3: Expand Public Trans	2,348	104	-815	2,364	0.5	9,194,371	0
LTG-B3: Expand Public Trans	1,851	81	-632	1,863	0.4	7,296,706	0
PG-B1: Expand Public Transp	2,681	81	-1,554	2,674	0.5	10,122,542	0
PG-B1: Expand Public Transp	2,136	63	-1,204	2,130	0.4	8,163,163	0
Walking/Biking							
LTD-C2: Expand Alt Transpor	78	0	0	78	0.0	313,108	0
LTD-C2: Expand Alt Transpor	145	0	0	146	0.0	582,569	0
LTG-C3: Expand Alt Transpor	2,265	157	114	2,316	0.5	9,363,398	0
LTG-C3: Expand Alt Transpor	4,214	293	213	4,310	0.9	17,421,540	0
PG-C1: Expand Alt Transport	5,621	399	378	5,753	1.2	23,235,483	0
PG-C1: Expand Alt Transport	5,229	371	351	5,352	1.1	21,615,970	0
Subtotal Transportation	174,143	8,523	2,427	176,836	35.6	775,420,768	0
Waste Sector							
La Quinta, California							
Landfilling to Composting							
W-1 Divert Food Waste 2020	0	0	20,175	424	0.1		0
W-1 Divert Food Waste 2035	0	0	5,223	110	0.0		0
Landfilling to Recycling							
W-2 Divert Paper Waste 2035	0	0	73,532	1,544	0.3		0

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

La Quinta

Community Greenhouse Gas Emissions Reductions in 2035
Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Energy Cost Savings ($)
W-2 DivertPaper Waste 2020	0	0	118,341	2,485	0.5		0
Landfilling to Composting							
W-3 Divert Plant Waste 2020	0	0	19,543	410	0.1		0
W-3 Divert Plant Waste 2035	0	0	3,036	64	0.0		0
Landfilling to Recycling							
W-4: Divert Misc Waste	0	0	278,126	5,841	1.2		0
W-4: Divert Misc Waste 2035	0	0	172,806	3,629	0.7		0
Landfilling to Reduction							
W-5: Divert Foor Waste Streai	0	0	8,966	188	0.0		0
W-5: Reduce Foor Waste Stre	0	0	6,964	146	0.0		0
W-6: Reduce Paper Waste Sti	0	0	179,105	3,761	0.8		0
W-6: Reduce Paper Waste Sti	0	0	55,645	1,169	0.2		0
Subtotal Waste	0	0	941,463	19,771	4.0		0
Total	473,028	11,574	955,465	496,681	100.0	1,404,835,554	0

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APPENDIX C

La Quinta General Plan

Greenhouse Gas Reduction Plan

Output Tables
Municipal Analysis

Clean Air Climate Protection 2009 Software
Version 2.2.1b

Prepared by

Terra Nova Planning & Research, Inc.®
42635 Melanie Place, Suite #101
Palm Desert, CA 92211

May 31, 2012

La Quinta

Government Greenhouse Gas Emissions in 2005

Summary Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Cost ($)
Buildings and Facilities	2,258	27	79	2,268	23.1	5,630,760	0
Streetlights & Traffic Signals	570	7	18	573	5.8	1,311,439	0
Water Delivery Facilities	6,139	77	192	6,167	62.9	14,122,310	0
Vehicle Fleet	437	31	33	447	4.6	1,811,861	0
Employee Commute	344	22	20	352	3.6	1,418,206	0
Total	9,749	164	342	9,807	100.0	24,294,576	0

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Government Greenhouse Gas Emissions in 2005
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Cost ($)
Buildings and Facilities							
La Quinta, California							
Civic Center							
Electricity	498	6	16	501	5.1	1,146,400	0
Natural Gas	86	0	8	86	0.9	472,597	0
Subtotal Civic Center	584	6	24	586	6.0	1,618,997	0
Fire Station 32							
Electricity	25	0	1	25	0.3	57,040	0
Subtotal Fire Station 32	25	0	1	25	0.3	57,040	0
Fire Station 70							
Electricity	28	0	1	29	0.3	65,280	0
Subtotal Fire Station 70	28	0	1	29	0.3	65,280	0
Fire Station 93							
Electricity	40	1	1	40	0.4	92,240	0
Natural Gas	6	0	1	6	0.1	34,552	0
Subtotal Fire Station 93	46	1	2	47	0.5	126,792	0
Library							
Electricity	221	3	7	222	2.3	509,120	0
Natural Gas	9	0	1	9	0.1	47,365	0
Subtotal Library	230	3	8	231	2.4	556,485	0
Parks and Recreation							
Electricity	216	3	7	217	2.2	496,710	0
Subtotal Parks and Recreation	216	3	7	217	2.2	496,710	0
Police							
Electricity	36	0	1	36	0.4	82,650	0
Subtotal Police	36	0	1	36	0.4	82,650	0

Government Greenhouse Gas Emissions in 2005
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Cost ($)
Public Works							
Electricity	34	0	1	34	0.3	77,720	0
Subtotal Public Works	34	0	1	34	0.3	77,720	0
Senior Center							
Electricity	90	1	3	90	0.9	207,200	0
Natural Gas	35	0	3	35	0.4	192,777	0
Subtotal Senior Center	125	1	6	125	1.3	399,977	0
Silver Rock							
Electricity	934	12	29	939	9.6	2,149,110	0
Subtotal Silver Rock	934	12	29	939	9.6	2,149,110	0
Subtotal Buildings and Facilities	2,258	27	79	2,268	23.1	5,630,760	0
Streetlights & Traffic Signals							
La Quinta, California							
Untitled							
Electricity	570	7	18	573	5.8	1,311,439	0
Subtotal Untitled	570	7	18	573	5.8	1,311,439	0
Subtotal Streetlights & Traffic Si	570	7	18	573	5.8	1,311,439	0
Water Delivery Facilities							
La Quinta, California							
CVWD							
Electricity	6,139	77	192	6,167	62.9	14,122,310	0
Subtotal CVWD	6,139	77	192	6,167	62.9	14,122,310	0
Subtotal Water Delivery Facilities	6,139	77	192	6,167	62.9	14,122,310	0

Government Greenhouse Gas Emissions in 2005
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Cost ($)
Vehicle Fleet							
La Quinta, California							
Other City Vehicles							
Diesel	16	0	0	16	0.2	64,349	0
Gasoline	57	4	3	59	0.6	237,265	0
Subtotal Other City Vehicles	73	4	3	75	0.8	301,614	0
Police							
Gasoline	263	19	17	269	2.7	1,088,135	0
Subtotal Police	263	19	17	269	2.7	1,088,135	0
Public Works							
Compressed Natural Gas	6	1	8	6	0.1	31,625	0
Diesel	1	0	0	1	0.0	2,705	0
Gasoline	94	7	5	96	1.0	387,781	0
Subtotal Public Works	100	8	13	103	1.0	422,111	0
Subtotal Vehicle Fleet	437	31	33	447	4.6	1,811,861	0
Employee Commute							
La Quinta, California							
Untitled							
Diesel	34	0	0	34	0.3	136,738	0
Gasoline	310	22	20	317	3.2	1,281,468	0
Subtotal Untitled	344	22	20	352	3.6	1,418,206	0
Subtotal Employee Commute	344	22	20	352	3.6	1,418,206	0
Total	9,749	164	342	9,807	100.0	24,294,576	0

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La Quinta

Government Greenhouse Gas Emissions in 2020

Summary Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Cost ($)
Buildings and Facilities	2,446	27	83	2,456	21.7	6,093,943	0
Streetlights & Traffic Signals	804	9	24	808	7.1	1,849,787	0
Water Delivery Facilities	7,291	84	221	7,322	64.6	16,770,243	0
Vehicle Fleet	410	28	32	419	3.7	1,699,478	0
Employee Commute	317	20	19	324	2.9	1,306,716	0
Total	11,269	167	379	11,328	100.0	27,720,167	0

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

Government Greenhouse Gas Emissions in 2020
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Cost ($)
Buildings and Facilities							
La Quinta, California							
Civic Center							
Electricity	498	6	15	501	4.4	1,146,400	0
Natural Gas	86	0	8	86	0.8	472,597	0
Subtotal Civic Center	584	6	23	586	5.2	1,618,997	0
Fire Station 32							
Electricity	31	0	1	31	0.3	70,507	0
Subtotal Fire Station 32	31	0	1	31	0.3	70,507	0
Fire Station 70							
Electricity	35	0	1	35	0.3	80,693	0
Subtotal Fire Station 70	35	0	1	35	0.3	80,693	0
Fire Station 93							
Electricity	50	1	1	50	0.4	114,018	0
Natural Gas	8	0	1	8	0.1	42,709	0
Subtotal Fire Station 93	57	1	2	58	0.5	156,727	0
Library							
Electricity	263	3	8	264	2.3	604,580	0
Natural Gas	10	0	1	10	0.1	56,246	0
Subtotal Library	273	3	9	274	2.4	660,826	0
Museum							
Electricity	51	1	2	51	0.4	116,400	0
Subtotal Museum	51	1	2	51	0.4	116,400	0
Parks and Recreation							
Electricity	256	3	8	258	2.3	589,843	0
Subtotal Parks and Recreation	256	3	8	258	2.3	589,843	0

Government Greenhouse Gas Emissions in 2020
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Cost ($)
Police							
Electricity	43	0	1	43	0.4	98,147	0
Subtotal Police	43	0	1	43	0.4	98,147	0
Public Works							
Electricity	34	0	1	34	0.3	77,720	0
Subtotal Public Works	34	0	1	34	0.3	77,720	0
Senior Center							
Electricity	107	1	3	107	0.9	246,050	0
Natural Gas	41	0	4	42	0.4	228,923	0
Subtotal Senior Center	148	1	7	149	1.3	474,973	0
Silver Rock							
Electricity	934	11	28	938	8.3	2,149,110	0
Subtotal Silver Rock	934	11	28	938	8.3	2,149,110	0
Subtotal Buildings and Facilities	2,446	27	83	2,456	21.7	6,093,943	0
Streetlights & Traffic Signals							
La Quinta, California							
Untitled							
Electricity	804	9	24	808	7.1	1,849,787	0
Subtotal Untitled	804	9	24	808	7.1	1,849,787	0
Subtotal Streetlights & Traffic Si	804	9	24	808	7.1	1,849,787	0
Water Delivery Facilities							
La Quinta, California							
CVWD							
Electricity	7,291	84	221	7,322	64.6	16,770,243	0
Subtotal CVWD	7,291	84	221	7,322	64.6	16,770,243	0
Subtotal Water Delivery Facilities	7,291	84	221	7,322	64.6	16,770,243	0

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Government Greenhouse Gas Emissions in 2020
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Cost ($)
Vehicle Fleet							
La Quinta, California							
Other City Vehicles							
Diesel	17	0	0	17	0.1	66,559	0
Gasoline	58	4	3	59	0.5	239,590	0
Subtotal Other City Vehicles	75	4	3	76	0.7	306,149	0
Police							
Gasoline	234	17	16	239	2.1	966,093	0
Subtotal Police	234	17	16	239	2.1	966,093	0
Public Works							
Compressed Natural Gas	6	1	8	6	0.1	32,858	0
Diesel	1	0	0	1	0.0	2,798	0
Gasoline	95	7	5	97	0.9	391,581	0
Subtotal Public Works	101	7	13	104	0.9	427,237	0
Subtotal Vehicle Fleet	410	28	32	419	3.7	1,699,478	0
Employee Commute							
La Quinta, California							
Untitled							
Diesel	35	0	0	35	0.3	142,071	0
Gasoline	282	20	19	288	2.5	1,164,645	0
Subtotal Untitled	317	20	19	324	2.9	1,306,716	0
Subtotal Employee Commute	317	20	19	324	2.9	1,306,716	0
Total	11,269	167	379	11,328	100.0	27,720,167	0

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

La Quinta

Government Greenhouse Gas Emissions in 2035

Summary Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Cost ($)
Buildings and Facilities	2,584	28	88	2,595	20.5	6,441,644	0
Streetlights & Traffic Signals	824	9	25	828	6.5	1,895,783	0
Water Delivery Facilities	8,449	97	256	8,484	67.0	19,432,493	0
Vehicle Fleet	420	28	33	429	3.4	1,741,288	0
Employee Commute	329	21	20	336	2.7	1,355,765	0
Total	12,606	184	421	12,671	100.0	30,866,972	0

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

Government Greenhouse Gas Emissions in 2035
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Cost ($)
Buildings and Facilities							
La Quinta, California							
Civic Center							
Electricity	498	6	15	501	3.9	1,146,400	0
Natural Gas	86	0	8	86	0.7	472,597	0
Subtotal Civic Center	584	6	23	586	4.6	1,618,997	0
Fire Station 32							
Electricity	37	0	1	37	0.3	83,974	0
Subtotal Fire Station 32	37	0	1	37	0.3	83,974	0
Fire Station 70							
Electricity	42	0	1	42	0.3	96,105	0
Subtotal Fire Station 70	42	0	1	42	0.3	96,105	0
Fire Station 93							
Electricity	59	1	2	59	0.5	135,796	0
Natural Gas	9	0	1	9	0.1	50,867	0
Subtotal Fire Station 93	68	1	3	69	0.5	186,663	0
Library							
Electricity	304	3	9	306	2.4	700,040	0
Natural Gas	12	0	1	12	0.1	65,127	0
Subtotal Library	316	4	10	317	2.5	765,167	0
Museum							
Electricity	51	1	2	51	0.4	116,400	0
Subtotal Museum	51	1	2	51	0.4	116,400	0
Parks and Recreation							
Electricity	297	3	9	298	2.4	683,571	0
Subtotal Parks and Recreation	297	3	9	298	2.4	683,571	0

Government Greenhouse Gas Emissions in 2035
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Cost ($)
Police							
Electricity	49	1	1	50	0.4	113,644	0
Subtotal Police	49	1	1	50	0.4	113,644	0
Public Works							
Electricity	34	0	1	34	0.3	77,720	0
Subtotal Public Works	34	0	1	34	0.3	77,720	0
Senior Center							
Electricity	124	1	4	124	1.0	285,086	0
Natural Gas	48	0	5	48	0.4	265,207	0
Subtotal Senior Center	172	2	8	173	1.4	550,293	0
Silver Rock							
Electricity	934	11	28	938	7.4	2,149,110	0
Subtotal Silver Rock	934	11	28	938	7.4	2,149,110	0
Subtotal Buildings and Facilities	2,584	28	88	2,595	20.5	6,441,644	0
Streetlights & Traffic Signals							
La Quinta, California							
Untitled							
Electricity	824	9	25	828	6.5	1,895,783	0
Subtotal Untitled	824	9	25	828	6.5	1,895,783	0
Subtotal Streetlights & Traffic Si	824	9	25	828	6.5	1,895,783	0
Water Delivery Facilities							
La Quinta, California							
CVWD							
Electricity	8,449	97	256	8,484	67.0	19,432,493	0
Subtotal CVWD	8,449	97	256	8,484	67.0	19,432,493	0
Subtotal Water Delivery Facilities	8,449	97	256	8,484	67.0	19,432,493	0

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Government Greenhouse Gas Emissions in 2035
Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Cost ($)
Vehicle Fleet							
La Quinta, California							
Other City Vehicles							
Diesel	17	0	0	17	0.1	69,058	0
Gasoline	60	4	3	61	0.5	248,583	0
Subtotal Other City Vehicles	77	4	3	79	0.6	317,641	0
Police							
Gasoline	237	17	16	243	1.9	980,371	0
Subtotal Police	237	17	16	243	1.9	980,371	0
Public Works							
Compressed Natural Gas	6	1	9	7	0.1	34,091	0
Diesel	1	0	0	1	0.0	2,904	0
Gasoline	98	7	5	101	0.8	406,281	0
Subtotal Public Works	105	7	14	108	0.9	443,275	0
Subtotal Vehicle Fleet	420	28	33	429	3.4	1,741,288	0
Employee Commute							
La Quinta, California							
Untitled							
Diesel	37	0	0	37	0.3	147,403	0
Gasoline	292	21	20	299	2.4	1,208,362	0
Subtotal Untitled	329	21	20	336	2.7	1,355,765	0
Subtotal Employee Commute	329	21	20	336	2.7	1,355,765	0
Total	12,606	184	421	12,671	100.0	30,866,972	0

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La Quinta

Government Greenhouse Gas Emissions Reductions in 2020

Target Year Measures Summary

Measures Summary	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Energy Cost Savings ($)
Buildings and Facilities Sector	472	5	16	474	18.8	287,159	0
Streetlights & Traffic Signals Se	108	1	3	109	4.3	240,472	0
Water Delivery Facilities Sector	1,750	20	53	1,757	69.9	961,568	0
Vehicle Fleet Sector	149	1	1	149	5.9	617,124	0
Employee Commute Sector	25	1	-10	25	1.0	115,486	0
Total	2,504	29	63	2,514	100.0	2,221,809	0

Climate Action Plan	(tonnes eCO2)
Base Year 2005 Emissions	9,807
Target Year 2020 Emissions Forecast	11,328
Target Emissions Level	8,826
Emissions Reductions Required to Meet Target	2,502
Emissions Reductions in Climate Action Plan as of 2020	2,514

This report has been generated for La Quinta, California using ICLEI's Clean Air and Climate Protection 2009 Software.

La Quinta

Government Greenhouse Gas Emissions Reductions in 2020

Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Energy Cost Savings ($)
Buildings and Facilities Sector							
La Quinta, California							
Change in Energy Source							
CC-C1: Increase Green Energ	91	1	3	91	3.6	0	0
CC-C1: Increase Green Energ	0	0	0	0	0.0	0	0
F32-C1: Increase Green Ener	0	0	0	0	0.0	0	0
F32-C1: Solar Onsite 2010	43	0	1	44	1.7	0	0
L-C3: Increase Green Energy	53	1	2	53	2.1	0	0
L-C3: Increase Green Energy	0	0	0	0	0.0	0	0
SC-C2: Increase Green Ener	21	0	1	21	0.9	0	0
SC-C2: Increase Green Ener	0	0	0	0	0.0	0	0
SR-C1: Solar Onsite 2020	187	2	6	188	7.5	0	0
SR-D1: Solar Onsite 2035	0	0	0	0	0.0	0	0
Energy Efficiency: Equipment and Lighting							
CC-B1: Automate HVAC Syst	38	0	3	38	1.5	199,286	0
CC-B2: Occupancy Sensors 2	25	0	1	26	1.0	58,600	0
CC-B2: Occupancy Sensors 2	0	0	0	0	0.0	0	0
CC-B3: Computer Power Mng	13	0	0	13	0.5	29,273	0
Subtotal Buildings and Facilities	472	5	16	474	18.8	287,159	0
Streetlights & Traffic Signals Sector							
La Quinta, California							
Energy Efficiency: Reduce Hours of Operation							
SL-B1: Minimize hours of	64	1	2	65	2.6	147,983	0
SL-B1: Minimize hours of	0	0	0	0	0.0	0	0
Reduce Number of Lights							
SL-D1: Remove Lights 2020	40	0	1	40	1.6	92,489	0
SL-D1: Remove Lights 2035	0	0	0	0	0.0	0	0

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La Quinta

Government Greenhouse Gas Emissions Reductions in 2020

Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Energy Cost Savings ($)
Use of Solar Electricity							
SL-C1: Increase Use of Greer	0	0	0	0	0.0	0	0
SL-C1: Increase Use of Greer	4	0	0	4	0.1	0	0
Subtotal Streetlights & Traffic Si	108	1	3	109	4.3	240,472	0
Water Delivery Facilities Sector							
La Quinta, California							
Change in Energy Source							
W-C1: Green Electricity Is Use	1,385	16	42	1,391	55.3	123,056	0
W-C1: Green Electricity Is Use	0	0	0	0	0.0	0	0
Energy Efficiency: Equipment and Lighting							
W-B1: Increase Transport	365	4	11	366	14.6	838,512	0
W-B1: Increase Transport	0	0	0	0	0.0	0	0
Subtotal Water Delivery Facilities	1,750	20	53	1,757	69.9	961,568	0
Vehicle Fleet Sector							
La Quinta, California							
Increase in Fuel Efficiency							
LD-F1: Fuel Standard Increas	1	0	0	1	0.0	6,572	0
LD-F1: Fuel Standard Increas	0	0	0	0	0.0	0	0
LD-F1: Fuel Standard Increas	3	0	0	3	0.1	13,758	0
LD-F1: Fuel Standard Increas	0	0	0	0	0.0	0	0
LD-F1: Fuel Standard Increas	31	0	0	31	1.2	126,184	0
LD-F1: Fuel Standard Increas	0	0	0	0	0.0	0	0
P-F1: Fuel Standard Increases	94	0	0	94	3.7	387,115	0
P-F1: Fuel Standard Increases	0	0	0	0	0.0	0	0
Other VMT Reduction							
LD-D1: Signal Synch CNG 20	0	0	0	0	0.0	164	0
LD-D1: Signal Synch CNG 20	0	0	0	0	0.0	0	0
LT-D1: Signal Synch Diesel 2(	1	0	0	1	0.0	3,467	0

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La Quinta

Government Greenhouse Gas Emissions Reductions in 2020

Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Energy Cost Savings ($)
LT-D1: Signal Synch Diesel 2(	0	0	0	0	0.0	0	0
LT-D1: Signal Synch Gas 202	8	1	0	8	0.3	31,559	0
LT-D1: Signal Synch Gas 203	0	0	0	0	0.0	0	0
P-D1: Signal Synch Police 20:	12	1	1	12	0.5	48,305	0
P-D1: Signal Synch Police 20:	0	0	0	0	0.0	0	0
Subtotal Vehicle Fleet	149	1	1	149	5.9	617,124	0
Employee Commute Sector							
La Quinta, California							
Change in Fuel Type							
E-1: Staff Uses Electric Vehicl	2	0	0	2	0.1	10,029	0
E-1: Staff Uses Electric Vehicl	0	0	0	0	0.0	0	0
E-1: Staff Uses Electric Vehicl	12	2	1	13	0.5	71,671	0
E-1: Staff Uses Electric Vehicl	0	0	0	0	0.0	0	0
Increase in Fuel Efficiency							
F-1: Fuel Standard Increase	0	0	0	0	0.0	0	0
F-1: Fuel Standard Increase	0	0	0	0	0.0	1,089	0
F-1: Fuel Standard Increase G	0	0	0	0	0.0	0	0
F-1: Fuel Standard IncreaseG	2	0	0	2	0.1	9,002	0
Other VMT Reduction							
D-1: Signal Synch Diesel 202(	0	0	0	0	0.0	0	0
D-1: Signal Synch Diesel 203:	0	0	0	0	0.0	224	0
D-1: Signal Synch Gas 2020	0	0	0	0	0.0	0	0
D-1: Signal Synch Gas 2035	0	0	0	0	0.0	1,897	0
Switch to Public Transport							
BC-1: 5 Employees Use Publi	1	0	-1	1	0.0	2,894	0
BC-1: 5 Employees Use Publi	0	0	0	0	0.0	0	0
BC-1: 5 Employees Use Publi	6	0	-10	6	0.2	18,678	0
BC-1: 5 Employees Use Publi	0	0	0	0	0.0	0	0
Subtotal Employee Commute	25	1	-10	25	1.0	115,486	0
Total	2,504	29	63	2,514	100.0	2,221,809	0

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La Quinta

Government Greenhouse Gas Emissions Reductions in 2035

Target Year Measures Summary

Measures Summary	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Energy Cost Savings ($)
Buildings and Facilities Sector	1,065	12	34	1,070	19.1	404,359	0
Streetlights & Traffic Signals Se	596	7	18	598	10.7	947,916	0
Water Delivery Facilities Sector	3,486	40	105	3,500	62.4	1,891,267	0
Vehicle Fleet Sector	237	4	5	239	4.3	983,273	0
Employee Commute Sector	205	6	-16	207	3.7	898,744	0
Total	5,589	69	147	5,614	100.0	5,125,558	0

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La Quinta

Government Greenhouse Gas Emissions Reductions in 2035

Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Energy Cost Savings ($)
Buildings and Facilities Sector							
La Quinta, California							
Change in Energy Source							
CC-C1: Increase Green Energ	91	1	3	91	1.6	0	0
CC-C1: Increase Green Energ	174	2	5	175	3.1	0	0
F32-C1: Increase Green Ener	43	0	1	44	0.8	0	0
F32-C1: Solar Onsite 2010	43	0	1	44	0.8	0	0
L-C3: Increase Green Energy	53	1	2	53	0.9	0	0
L-C3: Increase Green Energy	17	0	1	17	0.3	0	0
SC-C2: Increase Green Ener	21	0	1	21	0.4	0	0
SC-C2: Increase Green Ener	7	0	0	7	0.1	0	0
SR-C1: Solar Onsite 2020	187	2	6	188	3.3	0	0
SR-D1: Solar Onsite 2035	302	3	9	303	5.4	0	0
Energy Efficiency: Equipment and Lighting							
CC-B1: Automate HVAC Syst	38	0	3	38	0.7	199,286	0
CC-B2: Occupancy Sensors 2	25	0	1	26	0.5	58,600	0
CC-B2: Occupancy Sensors 2	51	1	2	51	0.9	117,200	0
CC-B3: Computer Power Mng	13	0	0	13	0.2	29,273	0
Subtotal Buildings and Facilities	1,065	12	34	1,070	19.1	404,359	0
Streetlights & Traffic Signals Sector							
La Quinta, California							
Energy Efficiency: Reduce Hours of Operation							
SL-B1: Minimize hours of	64	1	2	65	1.2	147,983	0
SL-B1: Minimize hours of	190	2	6	191	3.4	436,950	0
Reduce Number of Lights							
SL-D1: Remove Lights 2020	40	0	1	40	0.7	92,489	0
SL-D1: Remove Lights 2035	118	1	4	118	2.1	270,494	0

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La Quinta

Government Greenhouse Gas Emissions Reductions in 2035
Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Energy Cost Savings ($)
Use of Solar Electricity							
SL-C1: Increase Use of Greer	0	0	0	0	0.0	0	0
SL-C1: Increase Use of Greer	183	2	6	184	3.3	0	0
Subtotal Streetlights & Traffic Si	596	7	18	598	10.7	947,916	0
Water Delivery Facilities Sector							
La Quinta, California							
Change in Energy Source							
W-C1: Green Electricity Is Use	1,385	16	42	1,391	24.8	123,056	0
W-C1: Green Electricity Is Use	1,332	15	40	1,337	23.8	0	0
Energy Efficiency: Equipment and Lighting							
W-B1: Increase Transport	365	4	11	366	6.5	838,512	0
W-B1: Increase Transport	404	5	12	406	7.2	929,699	0
Subtotal Water Delivery Facilities	3,486	40	105	3,500	62.4	1,891,267	0
Vehicle Fleet Sector							
La Quinta, California							
Increase in Fuel Efficiency							
LD-F1: Fuel Standard Increas	1	0	0	1	0.0	6,572	0
LD-F1: Fuel Standard Increas	1	0	0	1	0.0	2,922	0
LD-F1: Fuel Standard Increas	3	0	0	3	0.1	13,758	0
LD-F1: Fuel Standard Increas	2	0	0	2	0.0	6,181	0
LD-F1: Fuel Standard Increas	31	0	0	31	0.5	126,184	0
LD-F1: Fuel Standard Increas	14	0	0	14	0.2	57,403	0
P-F1: Fuel Standard Increases	94	0	0	94	1.7	387,115	0
P-F1: Fuel Standard Increases	30	0	0	30	0.5	124,035	0
Other VMT Reduction							
LD-D1: Signal Synch CNG 20	0	0	0	0	0.0	1,644	0
LD-D1: Signal Synch CNG 20	1	0	1	1	0.0	3,408	0
LT-D1: Signal Synch Diesel 2(	1	0	0	1	0.0	3,467	0

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La Quinta

Government Greenhouse Gas Emissions Reductions in 2035

Target Year Measures Detailed Report

	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	(%)	Energy (kWh)	Energy Cost Savings ($)
LT-D1: Signal Synch Diesel 2(	2	0	0	2	0.0	7,196	0
LT-D1: Signal Synch Gas 202	8	1	0	8	0.1	31,559	0
LT-D1: Signal Synch Gas 203	16	1	1	16	0.3	65,487	0
P-D1: Signal Synch Police 20:	12	1	1	12	0.2	48,305	0
P-D1: Signal Synch Police 20:	24	2	2	24	0.4	98,037	0
Subtotal Vehicle Fleet	237	4	5	239	4.3	983,273	0
Employee Commute Sector							
La Quinta, California							
Change in Fuel Type							
E-1: Staff Uses Electric Vehicl	2	0	0	2	0.0	10,029	0
E-1: Staff Uses Electric Vehicl	0	0	0	0	0.0	2,243	0
E-1: Staff Uses Electric Vehicl	12	2	1	13	0.2	71,671	0
E-1: Staff Uses Electric Vehicl	28	3	3	29	0.5	160,309	0
Increase in Fuel Efficiency							
F-1: Fuel Standard Increase	0	0	0	0	0.0	0	0
F-1: Fuel Standard Increase	14	0	0	14	0.2	54,461	0
F-1: Fuel Standard Increase G	0	0	0	0	0.0	0	0
F-1: Fuel Standard IncreaseG	109	0	0	109	1.9	450,106	0
Other VMT Reduction							
D-1: Signal Synch Diesel 202(	0	0	0	0	0.0	0	0
D-1: Signal Synch Diesel 203:	3	0	0	3	0.0	11,215	0
D-1: Signal Synch Gas 2020	0	0	0	0	0.0	0	0
D-1: Signal Synch Gas 2035	23	2	2	23	0.4	94,860	0
Switch to Public Transport							
BC-1: 5 Employees Use Publi	1	0	-1	1	0.0	2,894	0
BC-1: 5 Employees Use Publi	1	0	0	1	0.0	5,565	0
BC-1: 5 Employees Use Publi	6	0	-10	6	0.1	18,678	0
BC-1: 5 Employees Use Publi	6	0	-9	5	0.1	16,712	0
Subtotal Employee Commute	205	6	-16	207	3.7	898,744	0
Total	5,589	69	147	5,614	100.0	5,125,558	0

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La Quinta

Government Greenhouse Gas Emissions Reductions in 2035

Target Year Measures Summary

Measures Summary	CO_2 (tonnes)	N_2O (kg)	CH_4 (kg)	Equiv CO_2 (tonnes)	Equiv CO_2 (%)	Energy (kWh)	Energy Cost Savings ($)
Buildings and Facilities Sector	1,065	12	34	1,070	19.1	404,359	0
Streetlights & Traffic Signals Se	596	7	18	598	10.7	947,916	0
Water Delivery Facilities Sector	3,486	40	105	3,500	62.4	1,891,267	0
Vehicle Fleet Sector	237	4	5	239	4.3	983,273	0
Employee Commute Sector	205	6	-16	207	3.7	898,744	0
Total	5,589	69	147	5,614	100.0	5,125,558	0

Climate Action Plan	(tonnes eCO2)
Base Year 2005 Emissions	9,807
Target Year 2035 Emissions Forecast	12,671
Target Emissions Level	7,061
Emissions Reductions Required to Meet Target	5,610
Emissions Reductions in Climate Action Plan as of 2035	5,614

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