

CITY OF FLAGSTAFF

MUNICIPAL GREENHOUSE GAS EMISSIONS REPORT

FISCAL YEAR 2011



EXECUTIVE SUMMARY

In fiscal year 2011, the City of Flagstaff's municipal operations emitted approximately 49,117 metric tons of Carbon Dioxide equivalent (CO₂e) emissions into the atmosphere. This is a 4 percent decrease from fiscal year 2010 municipal emissions. Table 1 illustrates 2011 municipal emissions by sector. The two largest sources of greenhouse gas (GHG) emissions were the airport sector and the water production and delivery sector. The airport contributed 16,903 metric tons of CO₂e, or 34 percent of municipal emissions. Water production and delivery contributed 12,145 metric tons of CO₂e, or 20 percent of greenhouse gas (GHG) emissions. Energy consumption, including electricity and natural gas in the buildings operated by the City represented another large portion of overall emissions – 6,401 metric tons of CO₂e, or 13 percent. Wastewater treatment facilities also 13 percent of municipal emissions

GHG emissions from gasoline and diesel fuel used by the municipal fleet represented 9 percent of emissions, producing approximately 4,595 metric tons of CO₂e. Employees' daily commute resulted in approximately 2,130 metric tons of CO₂e, or 4 percent of emissions. Electricity used in streetlighting and traffic signals represented 3 percent. The remaining emissions were from waste produced at City facilities, parks and "other" sources (including refrigerants and the wastewater treatment plant digester).

TABLE 1 2011 MUNICIPAL GHG EMISSIONS

Sector	Emissions (Metric Tons of CO₂e)	Percentage (%)
Buildings	6,401	13
Vehicle Fleet	4,595	9
Employee Commute	1,978	4
Streetlight	1,800	4
Wastewater Treatment	6,490	13
Water Production and Delivery	9,826	20
Waste	1,021	2
Airport	16,903	34
Other	103	1
Total	49,117	100

INTRODUCTION

Recognizing the importance of localized action, local governments have a strong role to play in reducing greenhouse gas (GHG) emissions within their boundaries. While local governments cannot prepare for the impacts of climate change by themselves, their policies and operations can reduce greenhouse gas emissions and prepare their communities to adapt to the impacts of the changing climate.

Included in this report is a quantification of GHG emissions generated by municipal operations in fiscal year 2011. This report will be used as a guide for reducing emissions in municipal operations. In the past two years, Flagstaff has experienced record warming, severe winter storms, record low moisture, catastrophic wildfires and subsequent flooding events. Flagstaff is increasingly in need of action that supports the integration of resiliency, adaptation and emission reductions into existing and future municipal policies and operations. As climate and related extreme weather conditions change, lives and livelihoods are increasingly at stake, as well as smart economic growth and community development.

METHODOLOGY

The fiscal year 2011 report assesses GHG emissions for the following municipal sectors: vehicle fleet, employee commute, streetlights, water production, wastewater treatment, buildings, waste and other operations. The reporting period spans the City's fiscal year from July 1, 2010 – June 30, 2011. The report relies on the best available data and source specific calculation methodologies.

SOURCE SPECIFIC EMISSION CALCULATIONS

GHG emissions were calculated using ICLEI's Clean Air and Climate Protection (CACP) 2009 software. General descriptions of the calculation methods and data sources for some general categories are given below. More detailed information on the calculation methodologies can be found in the appendices.

EMISSIONS FROM STATIONARY COMBUSTION

To calculate GHG emissions from the combustion of fossil fuel (e.g. natural gas), used in buildings or facilities owned by the City of Flagstaff, natural gas usage information was obtained using the City's Finance Section records from UniSource Energy Services. Emissions were based on default GHG factors in the CACP software by fuel type. Stationary combustion emissions were calculated based on the usage in the following sectors: buildings, airport, water production and delivery, and wastewater treatment.

EMISSIONS FROM MOBILE COMBUSTION

Mobile source GHG emissions were calculated for fleet vehicles that are owned and operated by the City government. Data were gathered on vehicle class and fuel consumption for each class. Employee commute data were extrapolated using the City's 2010 employee commute survey. To calculate GHG emissions, fuel usage and vehicle miles traveled to and from work were used. To develop the most complete analysis possible, emissions from aviation were calculated based on the approximate jet fuel usage, and distribution of plane types operating at the Flagstaff Pulliam airport. The GHG coefficients for jet fuel combustion were obtained from the U.S. Environmental Protection Agency.

ELECTRICITY USAGE

Electric data were provided by the City's Finance Section and sorted into municipal sectors based on metered amount delivered in kilowatt hours (kWh). The City's records were cross referenced with Arizona Public Service's records. Electricity emissions were calculated based on the usage in the following sectors: buildings, airport, water production and delivery, and wastewater treatment.

WASTE

Emissions from waste were calculated using the waste-in-place method in the CACP software to estimate the release of GHGs over time. In order to accurately calculate emissions from waste, the City incorporated the disposal method of municipal operations and waste quantities disposed.

LOCAL GOVERNMENT GREENHOUSE GAS EMISSIONS ANALYSIS PROTOCOL

This report follows the standards outlined in the draft International Local Government Greenhouse Gas Emissions Analysis Protocol (IEAP). The IEAP methodology is outlined below:

GREENHOUSE GASES

According to the IEAP, local governments should assess emissions of all six internationally recognized greenhouse gases regulated under the Kyoto Protocol. These gases are outlined in Table 2, which includes their sources and global warming potentials (GWP). GWP is a quantified measure of the globally averaged relative impacts of a particular GHG. This value facilitates a direct comparison of the impacts of emission and reductions of different GHGs. Carbon dioxide (CO₂) is used as a reference gas in this report; therefore, other warming potentials of other GHG are compared to CO₂. This comparison is referred to as a CO₂ equivalence, or CO₂e as referred to throughout this report. The following four greenhouse gases were released by the Flagstaff municipal organization during 2011: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and hydrofluorocarbons (HFCs). The remaining two recognized greenhouse gasses are not released nor monitored by the City.

TABLE 2: GREENHOUSE GASES

Gas	Chemical Formula	Activity	Global Warming Potential (CO ₂ e)
Carbon Dioxide	CO ₂	Combustion	1
Methane	CH ₄	Combustion, Anaerobic Decomposition of Organic Waste (Landfills), Fuel Handling	21
Nitrous Oxide	N ₂ O	Combustion, Wastewater Treatment	310
Hydrofluorocarbon	Various	Leaked Refrigerants, Fire Suppressants	12–11,700
Perfluorocarbons	Various	Aluminum Production, Semiconductor and HVAC Equipment Manufacturing	6,500–9,200
Sulfur Hexafluoride	SF ₆	Distribution of Power	23,900

RESULTS

AIRPORT SECTOR

Emissions from aviation operations and traffic in and out of the Flagstaff Pulliam Airport contributed 34 percent of overall emissions, or 16,903 metric tons of CO₂e (Table 3). Fuel used during commercial flight take-offs and landings represent 95 percent the airport sector emissions. Electricity use and natural gas consumption at airport facilities represent 5 percent of emissions.

Fuel usage within the Flagstaff boundary is based on the fuel capacity of the aircraft. In 2011, there were 129 private aircrafts based out of Flagstaff Pulliam Airport, 82 percent being single engine planes. Based on air traffic control records, an estimated 22,174 private flights and 11,086 commercial flights had either landed or departed from Flagstaff Pulliam Airport.

TABLE 3: 2011 COMMERCIAL AND PRIVATE FLIGHT INFORMATION

City of Flagstaff Municipal Airport	2011
Number of commercial flights	11,086
Number of private flights	22,174
Total GHG emissions (metric tons of CO ₂ e)	16,903

WATER PRODUCTION SECTOR

Drinking water is produced through conventional surface water treatment of waters from Upper Lake Mary and springs from the Inner Basin of the San Francisco Peaks. In addition to surface water, Flagstaff extracts groundwater from the Lake Mary well-field, the Woody Mountain well-field, Inner Basin wells, and local "In-City" wells. The treatment process used for Flagstaff's water depends on the source of water being used. Groundwater from wells is disinfected with chlorine while surface water is treated at one of the City's two water treatment plants.

The Lake Mary Water Treatment Plant can treat up to eight million gallons of water per day from Upper Lake Mary. It is a conventional water treatment plant that includes coagulation, flocculation, sedimentation, filtration, and disinfection. During fiscal year 2011, water from the Inner Basin was offline due to damages sustained to the pipeline and related infrastructure.

Last year, the City of Flagstaff produced 8,480 Acre Feet of potable water and 2,230 Acre Feet of reclaimed water. The total water use in fiscal year 2011 was 10,710 Acre Feet.

TABLE 4: CITY OF FLAGSTAFF 2010 WATER USE

Fiscal Year	Surface Water (Acre Feet)	Ground Water (Acre Feet)	Reclaimed Water (Acre Feet)
2011	4,721	3,759	2,230

Electricity and natural gas used for water production operations in fiscal year 2011 cost the City \$1,418,589. Water production generated 20 percent of fiscal year 2011 municipal emissions, approximately 9,826 metric tons of CO₂e (Table 5).

TABLE 5: WATER PRODUCTION AND DELIVERY ENERGY USE AND COST					
Total Water Production (Acre Feet)	Annual Electricity Consumption (kWh)	Annual Electricity Cost (\$)	Annual Natural Gas Use (Therms)	Annual Natural Gas Cost (\$)	Total GHG Emissions (metric tons of CO₂e)
10,710	14,804,074	\$1,401,753	13,301	\$16,836	9,826

BUILDING SECTOR

In 2011, the City operated and/or maintained 93 facilities. Energy used (electricity and natural gas) to heat, cool, power and light municipal buildings accounted for 13 percent of GHG emissions in FY 2011, resulting in approximately 6,401 metric tons of CO₂e. Broken down by energy source, emissions from electricity consumption contributed to 75 percent or 4,776 of the 6,401 metric tons of CO₂e from this sector. The remaining 25 percent of emissions are from the combustion of natural gas.

TABLE 6: 2011 BUILDING AND FACILITY ENERGY USE AND COST					
Total Area (sq.ft)	Annual Electricity Consumption (kWh)	Annual Electricity Cost (\$)	Annual Natural Gas Use (Therms)	Annual Natural Gas Cost (\$)	Total GHG Emissions (metric tons CO₂e)
783,386	7,252,782	\$885,030	277,178	\$310,721	6,401

Electric consumption was offset through the purchase of 4,500 blocks of renewable energy through Arizona Public Service’s Green Choice Program. This is equivalent to 450,000 kilowatt hours (kWh) or 1.3 percent of the City’s overall electric consumption.

WASTEWATER TREATMENT SECTOR

Energy use for wastewater treatment is the largest contributor to municipal GHG emissions. The City operates two wastewater treatment facilities. The Rio de Flag Water Reclamation Plant is a four-million gallon-per-day advanced wastewater treatment facility. The process uses screening, primary sedimentation, aeration, secondary sedimentation, filtration and disinfection. The plant utilizes the Bardenpho process, which is a two-stage anoxic/aerobic process designed to reduce nitrogen content in the wastewater. The Wildcat Hill Wastewater Treatment Plant is a six-million gallon-per-day advanced wastewater treatment facility. The plant also uses screening, primary sedimentation, bio-filtration, secondary sedimentation, disinfection and filtration as part of its treatment processes. The facility also treats the biosolids generated from the Rio de Flag Plant as well as its own.

Last year the City treated 5,811 Acre Feet of wastewater. City wastewater treatment systems produced 13 percent of overall emissions, roughly 6,490 metric tons of CO₂e. Electricity and natural gas used for water treatment operations cost \$961,979. Table 7 illustrates associated energy use, cost and emissions generated for wastewater treatment operations.

TABLE 7: 2011 WASTEWATER TREATMENT ENERGY USE AND COST

Total Wastewater Treated (Acre Feet)	Annual Electricity Consumption (kWh)	Annual Electricity Cost (\$)	Annual Natural Gas Use (Therms)	Annual Natural Gas Cost (\$)	Total GHG Emissions (metric tons of CO2e)
5,811	8,572,492	\$787,738	137,319	\$174,241	6,490

WASTE SECTOR

During 2011, approximately 1,757 tons of solid waste was generated by City operations and City parks. This accounted for 1,021 metric tons of CO2e, or just over 2 percent of total emissions. Waste sector emissions are offset through municipal recycling. In 2011 more than 364 tons of materials were recycled, which is 17 percent of the total annual municipal waste tonnage.

EMPLOYEE COMMUTE SECTOR

Employees commuting to work by vehicle are estimated to have produced approximately 1,978 metric tons of CO2e in 2011 or 4 percent of the City’s 2011 GHG emissions. This data was calculated based on results of the City of Flagstaff’s 2010 Employee Commuter Survey and the 2010 employee population. Based on survey results, the annual commute for City employees was estimated at 3,406,755 vehicle miles to and from work.

MUNICIPAL FLEET SECTOR

In fiscal year 2011, the City’s fleet consumed a total of 144,408 gallons of gasoline, 116,875 gallons of diesel fuel, and 165,481 gallons of biodiesel. This produced 4,595 metric tons of CO2e, or 9 percent of municipal emissions (Table 8). Overall fuel use decreased 5 percent in 2011 compared with 2010.

TABLE 8: 2011 MUNICIPAL FLEET FUEL USE AND COST

Gasoline (gallons)	Diesel (gallons)	Biodiesel (gallons)	Estimated Fuel Costs (\$)	Total GHG Emissions (metric tons of CO2e)
144,348	116,875	165,481	\$1,294,395	4,595

STREETLIGHT AND TRAFFIC SIGNAL SECTOR

Electricity consumption by the streetlights and traffic signals accounted for 4 percent of municipal GHG emissions, generating 1,800 metric tons of CO2e. This sector is broken down in Table 9 by traffic signals and street lighting. The City operated 50 traffic signals and 3,350 street lights in 2011. Energy use for City maintained streetlights and traffic signals was 2,732,908 kWh and cost \$330,470.

TABLE 9: 2011 STREETLIGHTING AND TRAFFIC SIGNALS

Lighting Type	Number of Lights	Energy Use (kWh)	Total Cost (\$)	Total GHG Emissions (metric tons of CO2e)
Traffic Signals	50	220,569	\$48,690	145
Street Lighting	3,350	2,512,339	\$281,780	1,654

“OTHER” SECTOR

During 2011, approximately 76 metric tons of CO₂e were generated from the “other” sector and include emissions from Hydrofluorocarbons (HFC) and digesters (Table 10). HFC is a GHG emission that results from refrigerant usage.

TABLE 10: 2010 “OTHER” SECTOR EMISSIONS	
Lighting Type	Total GHG Emissions (metric tons of CO ₂ e)
Hydrofluorocarbon - 23	54
Hydrofluorocarbon - 125	13
Digesters	9

The remaining emissions were attributable to digesters at City wastewater treatment plants. Emissions from digesters are offset by a cogeneration unit at Wildcat Hill Wastewater Treatment Facility which operated for 6,430 hours in 2011. Cogeneration, also known as "combined heat and power" (CHP), allows the City to harness waste heat while producing electricity - a technique that can greatly reduce greenhouse gas emissions. The cogeneration unit combusts digester gas stream (which is high in methane content) to produce energy. The unit offsets an estimated 2 million kWh of electricity used at the facility, and contributes to an annual reduction of an estimated 9 metric tons of CO₂e emissions associated with the facility.

NEXT STEPS

By annually monitoring and reporting municipal greenhouse gas emissions, the City of Flagstaff is taking crucial steps in addressing climate change and adaptation. This effort allows the City to create and implement innovative and practical strategies to reduce energy use, create cost savings, and reduce emissions. To meet these targets, the City is developing an effective management tool to better understand the City’s energy use and future energy needs. Also, the City is developing fleet policies designed to meet the operational needs of the organization and operate the fleet under its control in the most effective and efficient manner.

In fiscal year 2011, the City of Flagstaff announced a new path to increase effectiveness, reduce consumption, and enhance employee satisfaction in the municipal organization. Stemming from the City’s commitment to effective governance and continuous improvement, the Municipal Sustainability Plan identifies goals, objectives, strategies and actions to progress the City toward increased efficiency and resiliency. The plan provides guidance and support for City leadership, managers and employees to operate more sustainably, an important goal in achieving economic prosperity and support our commitment to reduce GHG emissions.

The Municipal Sustainability Plan sets measurable targets that directly reduce emissions resulting from electricity use and natural gas combustion. Targets are supported by strategies that encourage behavioral change and integrate operational efficiencies. These strategies include: employ technologies for improving the efficiency of the City’s municipal water and wastewater systems, identify financing structures to fund renewable energy generation at City facilities, and reduce fuel consumption by a decrease in unnecessary idling and a phase out of inefficient equipment in the City’s fleet. Plan goals develop resiliency of Flagstaff’s limited financial and natural resources.

As a leader in local governments, the City of Flagstaff is preparing now for climate variability and extremes by working to complement response and relief efforts with preparedness and prevention measures. Assessing and planning now to be more resilient to changes in climate, increased energy costs and limited natural resources can save money. Conversely, inaction now can lead to higher costs in the future.

In fiscal year 2011, the City embarked on a climate resiliency study. Since then, the City has worked to assess vulnerability and risk of key areas impacted by variability and changes in our local climate. From a planning perspective, associated impacts are of greater interest to City operations than general changes in the climate. Vulnerability was assessed by considering the exposure of key planning areas of each system to climate variability; identifying non-climate factors such as population, public safety, and the local economy; and evaluating the resources currently in place for the City to adapt and respond to the associated impacts of climate change. Risk was assessed by determining the planning area's function within City operations, estimating the degree of impact of climate change on each of the key planning areas, and by considering the likelihood the impacts will occur.

This report and the City's resiliency study will form the basis for the Flagstaff's Climate Adaptation and Management Policy. This policy will be an essential document to inform better policy decisions and leverage assistance from local, regional and national partners to implement strategies that build local resilience to climate change. In FY 2012, the City will develop a Policy that defines a culture of adaptability and resilience and directs the integration of strategies and actions into existing municipal policy and program development. The impacts of the intended Policy will likely affect Flagstaff's local economy, natural environment, community well being and the City's ability to deliver on its existing commitments. An effective policy will help the City to protect lives, health, property and ecosystems from the negative impacts of climate related disasters. Moreover, the project will support principles that are vital to the City's operating efficiency, public health, and economic competitiveness. Through a practical policy approach that is responsive to disaster resilience and changes in climate, Flagstaff will become a vital bridge between policy development useful for addressing smart growth challenges and decision-makers confronting those challenges.

Appendix

City of Flagstaff
Municipal Greenhouse Gas Emissions Report
FY 2011

Airport Sector

Aircraft Fuel Usage Within the Flagstaff Boundary

	Function			Total
	Idle	Taxi	Climb/Descent	
Takeoff				
Time (min)	2	2	8.5	12.5
Fuel Flow (gal/min)	0.27	0.27	1.53	2.07
% of Fuel Used	0.25	0.25	6.19	6.70
Landing				
Time (min)	0	2	8.5	10.5
Fuel Flow (gal/min)	0.27	0.27	1.53	2.07
% of Fuel Used	0.00	0.25	6.19	6.44
Total				
Time (min)	2	4	17	23
Fuel Flow (gal/min)	0.53	0.53	3.07	4.13
% of Fuel Used	0.25	0.51	12.38	13.14

CO2 Emission Factors for Aviation Fuel

Fuel Type	Factor (lb/gal)	Emission Factor (lb/MMBtu)	Heating Value (Btu/gal)
Jet Fuel	21.1	156.3	135000
Aviation Gasoline	18.4	152.7	120000

Aiport Operations

Airport Operations	2011
Number of commercial flights	11086
Number of private flights	22174

Flagstaff Airport Total Fuel Usage

Sector	Total Fuel Usage (gal)	
	2011	Type
Commercial Sector		
<i>Total</i>	<i>1,338,425</i>	Jet Fuel
Private Sector		
Single Engine	143,624	Aviation Gasoline
Multi Engine	39,961	Aviation Gasoline
Jet	117,226	Jet Fuel
Helicopter	11,378	Jet Fuel
Military	0	Jet Fuel
<i>Total</i>	<i>312,189</i>	
Airport Total	<i>1,650,614</i>	

Electricity Use at City Water Production and Delivery

SERVICE	SERVICE ADDRESS	RATE	METER	07/10 cost	07/10 use	08/10 cost	08/10 use	09/10 cost	09/10 use	10/10 cost	10/10 use	11/10 cost	11/10 use	12/10 cost	12/10 use
0294S30283	FS 296 RD LM 5	E221	A66077	\$35.28	120	\$725.47	120	\$0.00	0	\$2,392.28	24280	\$30.97	120	\$42.31	160
3598S11284	LAKE MARY WELL #1	E221	C93645	\$41.26	160	\$201.20	160	\$202.44	160	\$203.61	160	\$199.13	120	\$196.27	240
6674S30284	FS 296 RD LM 4-LAKE MARY WELL 4	E221	656878	\$548.81	0	\$2,733.64	24800	\$7,969.81	100000	\$8,218.71	104800	\$7,005.06	86400	\$586.40	400
7222S01286	FS RD 296 LK MARY PUMP 9	E221	A33695	\$3,604.97	44680	\$2,510.64	28200	\$1,272.02	11320	\$943.55	7680	\$123.58	920	\$267.15	2480
7765S70287	FS 296 RD LM 8-LAKE MARY WELL 8	E32	885597	\$13,485.60	132120	\$6,376.89	34920	\$13,025.29	126240	\$10,542.97	87000	\$10,120.43	114360	\$4,278.02	23760
8112S32288	LAKE MARY WELL #2	E32	J41580	\$77.41	200	\$868.86	80	\$55.91	80	\$64.95	120	\$47.09	80	\$61.62	80
1733S00287	3620 SCHULTZ PASS RD	E221	A37962	\$2,709.15	24840	\$2,578.56	22560	\$1,644.39	12600	\$1,950.91	16200	\$1,402.05	12360	\$1,429.59	12600
3465S90285	N HW 89 XMAS TREE RSERV	E32	A49871	\$25.57	25	\$25.72	26	\$26.44	26	\$25.43	24	\$25.56	25	\$25.81	25
3980S90283	CHESHIRE RESV/LYNETTE DR	E32	798102	\$28.06	29	\$26.58	29	\$25.69	28	\$28.23	30	\$26.02	29	\$28.51	31
4864S30286	FS 296 RD 88PUMP	E221	847808	\$15,387.12	184800	\$12,191.39	138900	\$15,755.54	185700	\$15,301.90	186600	\$11,403.71	124500	\$14,290.52	171900
9864S30280	LAKE MARY AERATOR	E221	A34270	\$908.32	9486	\$893.36	9817	\$950.22	10538	\$1,014.75	11321	\$820.99	8945	\$1,103.49	12544
2274S30289	4500 S LAKE MARY RD T PLT	E221	375588	\$20,147.99	227700	\$16,492.35	177300	\$19,901.23	227700	\$19,869.55	227400	\$17,434.40	189900	\$22,670.80	267900
2297S10284	WOODY MTN RD ALL WELLS	E32	661297	\$38,172.81	439000	\$23,048.90	235300	\$16,298.03	188600	\$34,867.69	324700	\$12,888.80	189000	\$14,133.14	154100
3773S82283	6701 S BEULAH-FT TUTHILL WELL HOUSE	E32	R80660	\$5,748.75	11040	\$24,826.40	239040	\$12,783.16	75840	\$25,049.26	236800	\$16,253.19	160160	\$10,063.30	56800
8699S21280	3200 COUNTRY CLUB RD WELL	E32	A37707	\$2,151.92	2240	\$128.48	560	\$132.84	560	\$7,765.22	56240	\$149.85	800	\$198.74	1120
8859S21287	4201 E BUTLER AVE WELL	E32	E86108	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0
9257S71281	5425 E COMMERCE WELL	E32	F95345	\$29,189.64	328320	\$22,595.76	220160	\$0.00	0	\$15,973.67	110400	\$49,954.74	608160	\$23,849.40	348160
9774S42282	330 S BABBITT WAY WELL		J89019	\$0.00	0	\$4,154.23	50760	\$616.02	600	\$1,541.50	1400	(\$2,010.29)	1880	\$432.77	3800
0781S82282	4005 E BUTLER AVE-PUMP HOUSE	E32	R80670	\$3,736.65	12600	\$11,860.20	121320	\$6,211.71	44880	\$6,291.27	44880	\$184.59	1080	\$274.14	1680
9351S91282	E HUNTINGTON DR	E-32	F41866	\$5,578.63	41920	\$5,652.95	42400	\$7,146.52	66640	\$1,737.87	3120	\$260.47	1600	\$368.16	2400
8607S40286C	5401 E COMMERCE AV 25%	E32	C43876	\$311.41	1670	\$314.61	1740	\$283.54	1670	\$280.89	1500	\$264.48	1530	\$258.20	1790
1937S02288	4300 E BUTLER AVE-AMBERWOOD	E32	H61703	\$414.40	2400	\$264.18	1440	\$354.88	2000	\$302.01	1680	\$171.40	960	\$171.81	920
2478S90283	KITTRDG/ROCKRDG PUMP	E221	933556	\$137.02	586	\$104.01	442	\$112.71	346	\$118.71	386	\$94.75	345	\$121.32	609
5068S01284	AIRPORT WTR BOOSTER STATION	E32	A36584	\$281.34	1520	\$214.84	1120	\$210.11	1080	\$195.96	1000	\$282.01	1760	\$455.78	3040
1232S52283	RED GAP RANCH TRLR	STAND	L79855	\$9.96	1	\$9.36	1	\$8.62	0	\$9.25	0	\$9.54	0	\$10.78	0
3645S80288	SCHULTZ PASS RD FS 420	E32	336339	\$23.16	14	\$24.03	15	\$24.77	15	\$23.76	13	\$23.51	13	\$25.79	14
7658S51286	1527 RAILROAD SPRINGS RD	E221	F41918	\$2,183.62	19520	\$2,090.86	18600	\$1,604.28	12960	\$1,824.83	15400	\$1,571.91	12560	\$1,376.48	10320
6513S90284	DOLORES LN PUMP	E221	777694	\$83.46	482	\$72.63	388	\$67.12	390	\$126.31	484	\$156.87	1191	\$270.02	2478
								\$145,022.31		\$140,986.10		\$106,683.29		\$156,665.04	

Natural Gas Use at City Water Production and Delivery

SERVICE	LOCATION	METER	07/10 use	07/10	08/10 use	08/10	09/10 use	09/10	10/10 use	10/10	11/10 use	11/10	12/10 use	12/10
4317360691	4500 S LAKE MARY RD, CONTROL	383212A	23	\$43.60	8	\$27.32	7	\$29.49	9	\$28.54	29	\$54.00	167	\$241.39
4023530877	4500 S LAKE MARY RD, ALUM	763924	70	\$84.06	5	\$22.19	10	\$32.42	29	\$47.23	98	\$117.77	275	\$316.58
5798160444	4500 S LAKE MARY RD, SHOP	757343A	8	\$16.00	0	\$17.03	2	\$30.37	0	\$17.13	17	\$38.59	408	\$566.06
7322250941	4500 S LAKE MARY RD, SODA	716825A	41	\$55.85	10	\$27.32	16	\$36.77	18	\$35.79	52	\$70.47	203	\$238.12
4215650403	2620 N SCHULTZ PASS RD	841109A	104	\$113.12	13	\$30.42	6	\$33.75	6	\$23.37	6	\$23.15	17	\$34.71
9156740950C	5401 E COMMERCE AVE 25%	856395A	4	\$5.40	4	\$8.63	7	\$14.12	4	\$8.70	25	\$29.96	212	\$238.91

Electricity Use at City Water Production and Delivery

SERVICE	SERVICE ADDRESS	RATE	METER	1/11 cost	1/11 use	2/11 cost	2/11 use	3/11 cost	3/11 use	4/11 cost	4/11 use	5/11 cost	5/11 use	6/11 cost	6/11 use
0294S30283	FS 296 RD LM 5	E221	A66077	\$0.00	0	\$128.76	720	\$84.49	\$520.00	141.19	\$840.00	\$205.11	1840	\$69.71	360
3598S11284	LAKE MARY WELL #1	E221	C93645	\$0.00	0	\$87.95	600	\$39.42	\$160.00	40.65	\$160.00	\$40.52	160	\$39.42	160
6674S30284	FS 296 RD LM 4-LAKE MARY WELL 4	E221	656878	\$0.00	0	\$48.61	400	\$17.47	\$0.00	18.68	\$0.00	\$4,993.99	52400	\$7,890.11	100800
7222S01286	FS RD 296 LK MARY PUMP 9	E221	A33695	\$0.00	0	\$590.11	5120	\$244.33	\$2,200.00	257.88	\$2,360.00	\$2,121.72	21960	\$3,309.89	40680
7765S70287	FS 296 RD LM 8-LAKE MARY WELL 8	E32	885597	\$0.00	0	\$8,765.18	44280	\$9,477.63	\$100,800.00	9764.95	\$107,760.00	\$813.68	282000	\$1,237.74	4320
8112S32288	LAKE MARY WELL #2	E32	J41580	\$0.00	0	\$115.87	200	\$54.55	\$80.00	51.62	\$80.00	\$67.51	120	\$54.63	80
1733S00287	3620 SCHULTZ PASS RD	E221	A37962	\$1,634.34	12240	\$1,530.67	13400	\$1,531.28	\$12,360.00	1362.32	\$11,640.00	\$1,462.51	12480	\$2,045.68	16680
3465S90285	N HW 89 XMAS TREE RSERV	E32	A49871	\$25.69	24	\$27.43	26	\$23.56	\$19.00	42.94	\$28.00				
3980S90283	CHESHIRE RESV/LYNETTE DR	E32	798102	\$25.51	25	\$27.13	26	\$24.55	\$23.00			\$26.50	26	\$27.83	27
4864S30286	FS 296 RD 88PUMP	E221	847808	\$0.00	0	\$21,946.36	244500	\$10,149.83	\$119,400.00	9909.5	\$108,900.00	\$11,751.00	131400	\$14,520.81	171000
9864S30280	LAKE MARY AERATOR	E221	A34270	\$0.00	0	\$1,979.40	21655	\$1,006.94	\$11,124.00	931.23	\$10,166.00	\$1,066.97	11716	\$912.73	10013
2274S30289	4500 S LAKE MARY RD T PLT	E221	375588	\$0.00	0	\$40,435.53	459900	\$19,154.83	\$230,700.00	16527.16	\$191,400.00	\$16,654.80	177000	\$18,579.01	209100
2297S10284	WOODY MTN RD ALL WELLS	E32	661297	\$12,341.97	175700	\$12,129.95	178800	\$13,406.18	\$207,800.00	16524.3	\$214,600.00	\$21,623.04	185500	\$30,455.69	343300
3773S82283	6701 S BEULAH-FT TUTHILL WELL HOUSE	E32	R80660	\$16,496.10	135680	\$2,514.62	4000	\$2,682.96	\$4,480.00	2680.52	\$4,000.00	\$22,826.39	194720	\$25,062.42	237920
8699S21280	3200 COUNTRY CLUB RD WELL	E32	A37707	\$0.00	0	\$610.79	3840	\$5,415.90	\$35,760.00	336.6	\$2,160.00	\$404.26	2240	\$300.52	1680
8859S21287	4201 E BUTLER AVE WELL	E32	E86108	\$0.00		\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	0
9257S71281	5425 E COMMERCE WELL	E32	F95345	\$0.00	0	\$46,699.44	676000	\$21,307.28	\$293,440.00	22383.68	\$320,000.00			\$57,367.88	305120
9774S42282	330 S BABBITT WAY WELL		J89019	\$0.00	0	\$1,106.33	8880	\$491.73	\$3,360.00	373.8	\$2,480.00	\$318.78	1760	\$214.13	1120
0781S82282	4005 E BUTLER AVE-PUMP HOUSE	E32	R80670	\$0.00	0	\$2,535.97	4200	\$3,146.01	\$12,960.00	2827.22	\$9,840.00	\$5,628.12	29040	\$12,063.90	133320
9351S91282	E HUNTINGTON DR	E-32	F41866	\$0.00	0	\$828.93	5440	\$347.48	\$2,240.00	303.88	\$1,920.00	\$248.66	1280	\$168.04	800
8607S40286C	5401 E COMMERCE AV 25%	E32	C43876	\$0.00	0	\$543.22	3830	\$246.95	\$1,760.00	230.68	\$1,350.00	\$291.17	1820	\$236.72	1320
1937S02288	4300 E BUTLER AVE-AMBERWOOD	E32	H61703	\$0.00	0	\$480.86	2880	\$227.57	\$1,360.00	189.38	\$1,080.00	\$305.35	1640	\$348.44	1960
2478S90283	KITTRDG/ROCKRDG PUMP	E221	933556	\$0.00	0	\$277.58	1597	\$145.55	\$821.00	120.89	\$559.00	\$109.01	432	\$110.10	471
5068S01284	AIRPORT WTR BOOSTER STATION	E32	A36584	\$0.00	0	\$1,013.19	6800	\$418.36	\$2,760.00	257.74	\$1,560.00	\$207.93	1040	\$168.04	800
1232S52283	RED GAP RANCH TRLR	STAND	L79855	\$9.54	0	\$8.62	0	\$10.17	\$0.00	8.93	\$0.00	\$8.41	0	\$10.78	0
3645S80288	SCHULTZ PASS RD FS 420	E32	336339	\$0.00	0	\$48.83	29	\$23.19	\$16.00	23.03	\$15.00	\$26.15	17	\$24.04	15
7658S51286	1527 RAILROAD SPRINGS RD	E221	F41918	\$0.00	0	\$2,758.11	20440	\$1,358.28	\$9,760.00	1396.45	\$10,160.00	\$1,446.42	10600	\$1,679.41	13360
6513S90284	DOLORES LN PUMP	E221	777694	\$297.46	2783	\$297.89	2850	\$299.27	\$2,831.00	221.78	\$1,864.00	\$193.21	1554	\$141.47	991
				#REF!		#REF!		\$30,830.61		\$147,537.33		\$91,335.76		\$86,927.00	

Natural Gas Use at City Water Production and Delivery

SERVICE	LOCATION	METER	01/11 use	01/11	02/11 use	02/11	03/11 use	03/11	04/11 use	04/11	05/11 use	05/11	06/11 use	06/11
4317360691	4500 S LAKE MARY RD, CONTROL	383212A	287	\$413.34	387	\$550.47	304	\$421.17	210	\$292.47	150	\$219.74	72	\$109.26
4023530877	4500 S LAKE MARY RD, ALUM	763924	288	\$337.63	242	\$286.50	187	\$218.00	156	\$182.92	184	\$215.80	110	\$131.01
5798160444	4500 S LAKE MARY RD, SHOP	757343A	655	\$918.77	749	\$1,049.44	592	\$803.85	393	\$533.93	349	\$485.51	261	\$350.80
7322250941	4500 S LAKE MARY RD, SODA	716825A	281	\$329.84	348	\$404.57	288	\$326.59	212	\$242.49	184	\$216.77	130	\$151.76
4215650403	2620 N SCHULTZ PASS RD	841109A	267	\$314.24	639	\$728.67	771	\$845.78	809	\$877.51	168	\$210.20	73	\$92.67
9156740950C	5401 E COMMERCE AVE 25%	856395A	333	\$375.26	399	\$448.64	448	\$485.30	239	\$258.20	134	\$151.36	89	\$96.78

Building Sector

Electricity Use at City Buildings and Parks

SERVICE ADDRESS	07/10 cost	07/10 use	08/10 cost	08/10 use	09/10 cost	09/10 use	10/10 cost	10/10 use	11/10 cost	11/10 use	12/10 cost	12/10 use
101 W CHERRY AVE - APS BLDG 20%	204.94	\$1,024.00	198.03	\$1,056.00	166.32	\$832.00	143.7	\$640.00	273.34	\$1,344.00	493.84	\$3,136.00
101 W CHERRY AVE - APS BLDG 20%	204.94	\$1,024.00	198.03	\$1,056.00	166.32	\$832.00	143.7	\$640.00	273.34	\$1,344.00	493.84	\$3,136.00
213 N BEAVER - GIS BLDG	137.11	\$749.00	84.36	\$394.00	77.35	\$363.00	72.07	\$324.00	68.97	\$337.00	101.77	\$586.00
5477 E COMMERCE AVE	133.05	\$718.00	134.43	\$733.00	148.65	\$811.00	144.57	\$796.00	128.55	\$796.00	134.74	\$820.00
5401 E COMMERCE AV 25%	311.4	\$1,670.00	314.61	\$1,740.00	283.53	\$1,670.00	280.88	\$1,500.00	264.49	\$1,530.00	258.21	\$1,790.00
5401 E COMMERCE AV 25%	311.4	\$1,670.00	314.61	\$1,740.00	283.54	\$1,670.00	280.89	\$1,500.00	264.48	\$1,530.00	258.2	\$1,790.00
2255 GEMINI DR BLDG #6	9057.52	\$88,640.00	8791.11	\$84,480.00	8351.59	\$82,720.00	7885.14	\$75,200.00	6481.53	\$75,840.00	6478.39	\$80,320.00
2255 GEMINI DR BLDG #3	2553.85	\$17,680.00	2632.55	\$18,720.00	2550.71	\$18,080.00	2416.26	\$15,600.00	1965.04	\$14,640.00	2022.89	\$17,840.00
2255 GEMINI DR BLDG #4	5644.07	\$44,000.00	5983.93	\$48,480.00	6083.98	\$50,880.00	5557.8	\$43,200.00	4555.72	\$40,160.00	5718.19	\$62,560.00
2255 GEMINI DR BLDG #5	430.69	\$2,650.00	460.98	\$2,846.00	490.55	\$3,033.00	428.6	\$2,636.00	413.1	\$2,904.00	670.46	\$4,799.00
400 MALPAIS LN	432.95	\$2,520.00	503.27	\$3,000.00	576.92	\$3,440.00	486.23	\$2,880.00	436.73	\$2,920.00	548.78	\$3,720.00
2230 E SPRUCE AVE	330.19	\$1,985.00	378.57	\$2,307.00	330.86	\$2,007.00	340.47	\$2,055.00	278.69	\$1,668.00	240.67	\$1,607.00
3887 S LAKE MARY RD	865.11	\$5,520.00	859.02	\$5,520.00	825.17	\$5,120.00	694.37	\$4,240.00	764.95	\$5,680.00	788.35	\$6,000.00
1701 E PONDEROSA PKWY	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1972 S THOMPSON ST-FS#1	1159.55	\$6,720.00	1124.98	\$7,760.00	1072.17	\$6,720.00	954.18	\$6,240.00	321.22	\$6,080.00	804.05	\$6,000.00
2525 N FORT VALLEY RD	676.65	\$4,080.00	909.9	\$6,080.00	922.55	\$6,240.00	821.01	\$5,040.00	549.82	\$3,760.00	564.95	\$3,840.00
4040 E BUTLER AVE	482.19	\$2,840.00	553.3	\$3,280.00	492.4	\$2,920.00	512.35	\$3,040.00	526.45	\$3,120.00	456.81	\$3,080.00
3000 N EL PASO RD-1ST MTR	55.93	\$80.00	54.47	\$80.00	64.99	\$120.00	55.88	\$80.00	371	\$600.00	473.31	\$1,320.00
4500 NESTLE PURINA AVE	1063.1	\$7,760.00	1279.34	\$9,280.00	1280.88	\$8,480.00	1205.49	\$8,880.00	1081.52	\$7,840.00	916.38	\$7,120.00
AIRPORT GARAGE/MAINT-FIRE	92.5	\$446.00	95.54	\$481.00	104.17	\$532.00	110.29	\$578.00	129.24	\$790.00	162.68	\$1,033.00
511 W COCONINO AVE	68.19	\$303.00	72.06	\$319.00	74.71	\$341.00	73.32	\$332.00	70.46	\$348.00	80.49	\$428.00
3375 WILD WEST TRAIL PARK	24.68	\$7.00	22.31	\$6.00	23.04	\$6.00	22.16	\$5.00	23.67	\$6.00	24.55	\$7.00
COCONINO AVE SPRING ST	26.03	\$30.00	29.02	\$35.00	26.48	\$33.00	27.84	\$37.00	29.66	\$45.00	29.09	\$46.00
SPRUCE & 1ST STREET	524.71	\$1,293.00	440.65	\$807.00	127.95	\$691.00	135.1	\$723.00	106.89	\$551.00	85.99	\$458.00
790 N AZTEC LTTL LG SNCK	25.53	\$27.00	24.92	\$18.00	24.71	\$12.00	23.82	\$11.00	23.33	\$9.00	25.54	\$9.00
MASTER ACCT/CITY PK LITS	429.23	\$888.00	428.96	\$888.00	428.96	\$888.00	428.96	\$888.00	428.63	\$888.00	428.63	\$888.00
526 W CLAY-SEDILLO PARK	24.61	\$21.00	27.45	\$25.00	25.09	\$24.00	26.11	\$26.00	27.49	\$29.00	27.43	\$34.00
623 W CLAY AVE	21.54	\$1.00	24.06	\$3.00	22.01	\$4.00	22.73	\$4.00	24.4	\$6.00	23.67	\$6.00
500 W APACHE	11.77	\$5.00	10.74	\$5.00	10.74	\$5.00	11.77	\$5.00	10.98	\$5.00	12.34	\$5.00
6065 N NATIVE WAY	23.19	\$7.00	23.64	\$5.00	23.19	\$7.00	23.04	\$6.00	23.67	\$6.00	23.54	\$5.00
GEMINI DR/BUFFALO PK	57.52	\$234.00	52.34	\$196.00	54.5	\$205.00	51.41	\$190.00	57.95	\$266.00	109.68	\$634.00
RIDGECREST/ARROYO BFIELD DR	22.27	\$1.00	0	\$0.00	21.39	\$0.00	45.72	\$0.00	0	\$0.00	45.83	\$1.00
800 N AZTEC LTTL LG SNCK	93.05	\$464.00	89.2	\$435.00	58.5	\$231.00	49.87	\$180.00	39.61	\$130.00	34.71	\$77.00
751 W CLAY AVE	11.66	\$41.00	11.65	\$41.00	11.65	\$41.00	11.65	\$41.00	11.64	\$41.00	11.64	\$41.00
805 RIDGECREST DR/ARROYO FIELD	699.72	\$1,240.00	554.71	\$200.00	46.49	\$0.00	43.59	\$0.00	0	\$0.00	90.08	\$0.00
SHOP BLDG THORPE PARK	258.58	\$1,535.00	281.12	\$1,670.00	274.56	\$1,642.00	275.77	\$1,645.00	342.81	\$2,371.00	355	\$2,467.00

Building Sector

Electricity Use at City Buildings and Parks

SERVICE ADDRESS	07/10 cost	07/10 use	08/10 cost	08/10 use	09/10 cost	09/10 use	10/10 cost	10/10 use	11/10 cost	11/10 use	12/10 cost	12/10 use
BUTLER & SAN FRAN N/S PK	66.37	\$331.00	65.23	\$331.00	65.56	\$331.00	66.15	\$331.00	60.07	\$331.00	61.09	\$331.00
4th STREET LIGHT-LIGHT FIXTURES	38.51	\$106.00	39.44	\$117.00	39.81	\$105.00	37.8	\$102.00	35.53	\$105.00	41.29	\$126.00
4th ST STREET LIGHT-LIGHT FIXTURES	0	\$0.00	22.12	\$0.00	21.39	\$0.00	23.6	\$0.00	22.12	\$0.00	21.39	\$0.00
301 S MILTON/PLAZA VIEJA GTWY	22.92	\$10.00	25.31	\$11.00	21.68	\$2.00	22.12	\$0.00	24.55	\$7.00	22.87	\$0.00
3630 E INDUSTRIAL DR	23.52	\$9.00	24.25	\$9.00	23.51	\$9.00	23.35	\$8.00	24.22	\$10.00	24.73	\$14.00
4164 N COUNTRY CLUB SPRINKLR	22.11	\$0.00	22.12	\$0.00	22.87	\$0.00	22.12	\$0.00	22.12	\$0.00	22.87	\$0.00
3924 N HWY 89	58.3	\$234.00	62.97	\$260.00	64.36	\$274.00	68.44	\$301.00	68.37	\$338.00	70.54	\$354.00
2800 S LONETREE	28.62	\$42.00	27.74	\$41.00	30.72	\$46.00	28.59	\$42.00	25.9	\$39.00	31.39	\$47.00
4202 N HWY 89	92.13	\$453.00	100.72	\$505.00	102.05	\$529.00	109.73	\$581.00	105.08	\$623.00	107.19	\$639.00
6 E ASPEN AVE - HERITAGE SQUARE	92	\$457.00	84.98	\$398.00	74.6	\$345.00	63.58	\$269.00	74.47	\$378.00	73.74	\$378.00
WALNUT CANYON RD	121.3	\$642.00	88	\$432.00	45.19	\$140.00	43.06	\$136.00	38.5	\$127.00	43.32	\$141.00
MASTER ACCT/BUSHMASTER LTS	588.76	\$607.00	588.57	\$607.00	588.57	\$607.00	588.57	\$607.00	588.34	\$607.00	745.35	\$331.00
OLD WALNUT CANYON RD-BB FIELDS	3020.46	\$5,520.00	2293.19	\$2,560.00	3867.53	\$12,720.00	2734.13	\$6,720.00	2097.12	\$3,760.00	2605.48	\$2,800.00
4200 E BUTLER AVE-SPRKLRL	25.21	\$20.00	23.53	\$14.00	26.4	\$18.00	24.59	\$16.00	23.01	\$12.00	26.09	\$13.00
SOUTH RAMADA/THORPE PARK	21.39	\$0.00	23.6	\$0.00	22.01	\$4.00	22.12	\$0.00	23.6	\$0.00	22.87	\$0.00
ISABEL & 6TH AVE - BIKE PARK	24.06	\$3.00	22.41	\$2.00	21.68	\$2.00	23.6	\$0.00	22.12	\$0.00	25.01	\$5.00
THORPE PK TENNIS COURTS	166.78	\$941.00	194.14	\$1,106.00	207.21	\$1,205.00	258.53	\$1,533.00	155.4	\$979.00	98.54	\$562.00
BUSHMASTER PARK LIGHTS	25.98	\$25.00	69.19	\$295.00	112.81	\$593.00	130.52	\$703.00	126.66	\$670.00	64.33	\$319.00
BUTLER & FOXGLENN	57.66	\$230.00	55.16	\$219.00	61.21	\$244.00	57.05	\$227.00	51	\$220.00	58.27	\$252.00
BUSHMASTER PARK RESTROOMS	206.83	\$1,196.00	223.71	\$1,295.00	197.17	\$1,140.00	204.37	\$1,182.00	240.63	\$1,411.00	266.95	\$1,824.00
FOXGLENN BALLPARK MAIN/REAR	168.13	\$945.00	162.18	\$913.00	175.49	\$985.00	172.26	\$976.00	145.55	\$922.00	613.92	\$4,379.00
2230 FT VALLEY RD 1/2	26.07	\$16.00	24.26	\$14.00	22.92	\$10.00	25.44	\$12.00	23.61	\$11.00	25.84	\$11.00
N/O RAQTBL CTS THORPE PK	15.13	\$25.00	14.07	\$25.00	14.07	\$25.00	15.12	\$25.00	13.99	\$25.00	15.37	\$25.00
ZUNI & COCOPAI	25.15	\$10.00	22.61	\$8.00	23.35	\$8.00	24.99	\$9.00	21.58	\$7.00	26.26	\$9.00
THORPE PARK SOFTBALL FIELDS	3363.68	\$13,920.00	2579.39	\$7,680.00	2991.68	\$11,200.00	3179.84	\$12,960.00	2053.49	\$4,800.00	1678.51	\$3,360.00
1702 N 4TH ST-AQUAPLEX IRRG CONTRLR	23.66	\$10.00	23.08	\$11.00	25.31	\$11.00	23.82	\$11.00	20.41	\$10.00	25.97	\$12.00
116 W PHOENIX	22.58	\$3.00	22.01	\$4.00	24.53	\$6.00	22.56	\$3.00	21.03	\$3.00	25.33	\$2.00
210 W ASPEN AVE	79.23	\$240.00	108.15	\$400.00	103.8	\$400.00	166.96	\$800.00	105.71	\$440.00	98.9	\$400.00
EAST FLAG TRAFF INTERSECTION	23.96	\$12.00	26.83	\$21.00	24.19	\$18.00	25.05	\$19.00	25.44	\$12.00	22.88	\$11.00
419 N MOGOLLON POND	91.68	\$455.00	95.93	\$469.00	95.25	\$479.00	94.45	\$469.00	88.38	\$481.00	81.58	\$436.00
415 N MOGOLLON ST GARG	29.12	\$146.00	29.06	\$146.00	29.06	\$146.00	29.06	\$146.00	29.01	\$146.00	29.01	\$146.00
419 N MOGOLLON	432.4	\$2,660.00	352.51	\$2,133.00	307.26	\$1,854.00	330.68	\$2,001.00	449.34	\$3,162.00	486.97	\$3,447.00
419 N MOGOLLON FILL STN	64.18	\$277.00	48.29	\$160.00	22.31	\$66.00	64.99	\$278.00	82.81	\$440.00	100.83	\$579.00
415 N MOGOLLON ST GARG	1011.32	\$4,800.00	924.47	\$4,800.00	1038.7	\$4,360.00	930.17	\$4,360.00	897.73	\$4,720.00	1069.45	\$5,840.00
419 N MOGOLLON WASH BAY	75.77	\$352.00	61.21	\$244.00	64.69	\$281.00	81.79	\$387.00	121.75	\$729.00	415.87	\$2,919.00
1300 SAN FRANCISCO/CEMETARY SHED	48.08	\$168.00	47.45	\$169.00	52.28	\$186.00	46.29	\$157.00	39.9	\$143.00	49.31	\$180.00

Building Sector

Electricity Use at City Buildings and Parks

SERVICE ADDRESS	07/10 cost	07/10 use	08/10 cost	08/10 use	09/10 cost	09/10 use	10/10 cost	10/10 use	11/10 cost	11/10 use	12/10 cost	12/10 use
SKYDOME DR/CEMETARY OFFICE	65.54	\$466.00	65.8	\$470.00	67.78	\$477.00	71.93	\$510.00	68.16	\$542.00	99.97	\$834.00
211 W ASPEN AVE	7768.77	\$71,040.00	8425.59	\$78,880.00	8045.88	\$73,600.00	8234.23	\$151,040.00	6379.17	\$149,760.00	6275.42	\$142,240.00
211 W ASPEN AVE	1975.11	\$0.00	1975.11	\$0.00	0	\$0.00	1975.11	\$0.00	1975.11	\$0.00	1975.11	\$0.00
323 W ASPEN AVE	204.18	\$1,183.00	233.92	\$1,364.00	204.9	\$1,190.00	153.04	\$849.00	147.33	\$919.00	178.11	\$1,153.00
107 W ASPEN AVE	332.62	\$1,880.00	361.07	\$2,040.00	313.52	\$1,760.00	277.96	\$1,520.00	251.15	\$1,520.00	282.01	\$1,760.00
311 W CHERRY AVE - HUNTER HOUSE	10.35	\$11.00	11.41	\$12.00	10.23	\$10.00	10.66	\$11.00	11.37	\$12.00	17.09	\$66.00
216 W PHOENIX AVE, PANEL A	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
216 W PHOENIX AVE	295	\$1,766.00	274.73	\$1,643.00	311.78	\$1,869.00	344.08	\$2,093.00	405.05	\$2,855.00	556.05	\$3,944.00
2403 N IZABEL ST	845.37	\$5,576.00	882.09	\$5,970.00	847.17	\$5,621.00	815.86	\$5,258.00	910.04	\$6,318.00	767.35	\$5,537.00
245 N THORPE RD	223.17	\$423.00	223.04	\$423.00	223.04	\$423.00	223.04	\$423.00	222.88	\$423.00	222.88	\$423.00
245 N THORPE RD	1609.41	\$10,240.00	1836.24	\$11,920.00	1667.74	\$10,240.00	1650.65	\$9,680.00	1217.83	\$8,640.00	1315.2	\$9,280.00
301 PSEO DL FLG/COGDL CENTER	379.38	\$2,312.00	520.06	\$3,234.00	457.37	\$2,813.00	389.76	\$2,390.00	336.63	\$2,347.00	469.09	\$3,298.00
301 PSEO DL FLG/COGDL ALLEY	81.14	\$60.00	81.13	\$60.00	81.13	\$60.00	81.11	\$60.00	81.11	\$60.00	81.11	\$60.00
1650 N TURQUOISE - ICE RINK MAIN	689.97	\$880.00	665.76	\$1,200.00	535.96	\$3,360.00	4678.68	\$26,960.00	6373.34	\$71,760.00	7347.31	\$94,800.00
1650 N TURQUOISE-MCPHERSON MAIN	116.51	\$616.00	86.57	\$418.00	96.12	\$475.00	109.26	\$565.00	207.92	\$1,380.00	452.49	\$3,180.00
1650 N TURQUOISE	409.79	\$745.00	409.56	\$745.00	409.56	\$745.00	409.56	\$745.00	409.29	\$745.00	409.29	\$745.00
1702 N 4TH ST-AQUAPLEX BLDG	11944.25	\$117,600.00	11781.76	\$115,680.00	12413.27	\$124,480.00	11793.19	\$116,000.00	8696.48	\$102,400.00	9085.33	\$118,720.00
15 N BEAVER ST	850.01	\$5,633.00	959.01	\$6,863.00	905.14	\$6,278.00	846.17	\$5,601.00	739.82	\$5,627.00	745.43	\$5,719.00
300 W ASPEN AVE	6963.78	\$54,720.00	6192.13	\$49,920.00	5895.89	\$48,960.00	6438.79	\$45,360.00	5133.2	\$42,720.00	5525.57	\$44,160.00
78 MAIN STREEET-TUBA CITY LIBRARY	704.31	\$4,360.00	1228.46	\$8,480.00	995.61	\$5,960.00	1009.67	\$6,400.00	869.17	\$4,720.00	419.25	\$2,840.00
4829 N HWY 89A-FUTS	23.96	\$12.00	23.98	\$12.00	24.71	\$12.00	24.14	\$13.00	24.14	\$13.00	24.87	\$15.00
1 E ROUTE 66-VISITOR'S CENTER	890.52	\$5,840.00	947.27	\$6,520.00	1037.15	\$6,840.00	732.74	\$4,480.00	819.2	\$4,360.00	1121.04	\$7,160.00
1709 E FELICE AVE LOT 1	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	56.06	\$145.00
1701 E FELICE AVE LOT 2	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	54.5	\$131.00
2382 N ISABEL ST LOT 3	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	33.55	\$35.00
955 PONDEROSA PARKWAY	27.4	\$39.00	30.08	\$42.00	27.24	\$38.00	28.29	\$40.00	29.26	\$42.00	28.41	\$41.00
TURQUOISE & CEDAR	24.01	\$17.00	25.2	\$20.00	26.08	\$21.00	25.52	\$22.00	25.36	\$24.00	27.97	\$27.00
419 N MOGOLLON	384.19	\$2,348.00	459.53	\$2,827.00	432.64	\$2,667.00	421.49	\$2,590.00	345.52	\$2,391.00	427.98	\$3,009.00
ALLEY BEHIND 10 W 66	68.5	\$305.00	75.57	\$337.00	67.34	\$298.00	68.84	\$303.00	70.04	\$345.00	67.84	\$334.00
CINDERLAKE LANDFILL	194.91	\$1,000.00	511.32	\$3,080.00	548.24	\$3,320.00	516.43	\$3,120.00	472.88	\$2,840.00	585.02	\$4,080.00
NDP CINDERLAKE LANDFILL RD-OFFICE A	468.56	\$2,800.00	581.09	\$3,520.00	477.14	\$2,880.00	516.43	\$3,120.00	452.95	\$2,680.00	354.21	\$2,360.00
101 W CHERRY AVE - APS BLDG 40%	409.86	\$2,048.00	396.04	\$2,112.00	332.62	\$1,664.00	287.4	\$1,280.00	546.7	\$2,688.00	987.67	\$3,136.00
101 W CHERRY AVE - APS BLDG 20%	204.94	\$1,024.00	198.03	\$1,056.00	166.32	\$832.00	143.7	\$640.00	273.34	\$1,344.00	493.84	\$3,136.00
102 PHOENIX AVE	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
N DP CINDERLAKE LANDFILL-OFFICE B	176.67	\$880.00	158.49	\$760.00	171.81	\$840.00	146.11	\$680.00	157.97	\$760.00	160.96	\$880.00

Building Sector

Electricity Use at City Buildings and Parks

SERVICE ADDRESS	1/11 cost	1/11 use	2/11 cost	2/11 use	3/11 cost	3/11 use	4/11 cost	4/11 use	5/11 cost	5/11 use	6/11 cost	6/11 use
101 W CHERRY AVE - APS BLDG 20%	511.26	\$3,904.00	495.29	\$3,360.00	533.67	\$3,552.00	409.06	\$1,920.00	386.15	\$1,376.00	359.87	\$1,056.00
101 W CHERRY AVE - APS BLDG 20%	511.26	\$3,904.00	495.29	\$3,360.00	533.67	\$3,552.00	409.06	\$1,920.00	386.15	\$1,376.00	359.87	\$1,056.00
213 N BEAVER - GIS BLDG	154.91	\$957.00	192.99	\$1,270.00	168.60	\$1,080.00	119.25	\$718.00	119.73	\$618.00	101.93	\$513.00
5477 E COMMERCE AVE	135.21	\$829.00	124.68	\$748.00	106.46	\$624.00	133.17	\$820.00	170.28	\$943.00	160.86	\$892.00
5401 E COMMERCE AV 25%	0	\$0.00	543.21	\$3,830.00	246.95	\$1,760.00	230.67	\$1,350.00	291.16	\$1,820.00	236.73	\$1,320.00
5401 E COMMERCE AV 25%	0	\$0.00	543.22	\$3,830.00	246.95	\$1,760.00	230.68	\$1,350.00	291.17	\$1,820.00	236.72	\$1,320.00
2255 GEMINI DR BLDG #6	6147.56	\$75,360.00	5815.55	\$69,440.00	5,737.97	\$68,320.00	5,887.88	\$71,520.00	7,568.17	\$75,200.00	7,177.32	\$68,480.00
2255 GEMINI DR BLDG #3	1932.69	\$18,160.00	1853.2	\$16,960.00	1,961.14	\$17,680.00	1,831.72	\$15,120.00	2,235.40	\$15,920.00	2,273.76	\$14,800.00
2255 GEMINI DR BLDG #4	6572.78	\$72,480.00	6114.78	\$65,440.00	7,096.35	\$73,760.00	5,664.65	\$56,800.00	6,225.69	\$54,880.00	5,796.13	\$48,640.00
2255 GEMINI DR BLDG #5	785.99	\$6,131.00	673.65	\$4,827.00	733.47	\$5,435.00	582.56	\$4,117.00	622.96	\$3,854.00	450.13	\$2,752.00
400 MALPAIS LN	557.99	\$3,760.00	553.17	\$3,760.00	516.50	\$3,480.00	418.36	\$2,760.00	457.08	\$2,640.00	472.84	\$2,760.00
2230 E SPRUCE AVE	234.03	\$1,574.00	238.35	\$1,585.00	232.19	\$1,549.00	208.82	\$1,375.00	216.50	\$1,426.00	222.65	\$1,294.00
3887 S LAKE MARY RD	963.69	\$7,280.00	838.07	\$6,720.00	1,037.23	\$8,800.00	909.28	\$7,600.00	790.07	\$4,800.00	765.18	\$4,640.00
1701 E PONDEROSA PKWY	0	\$0.00	0	\$0.00	0.00	\$0.00	0.00	\$0.00	401.09	\$2,280.00	622.13	\$3,720.00
1972 S THOMPSON ST-FS#1	831.18	\$6,640.00	784.5	\$6,160.00	860.39	\$6,160.00	854.13	\$6,400.00	888.29	\$5,920.00	932.59	\$6,160.00
2525 N FORT VALLEY RD	545	\$3,680.00	597.84	\$4,080.00	554.66	\$3,760.00	467.43	\$3,120.00	566.16	\$3,360.00	606.40	\$3,600.00
4040 E BUTLER AVE	578.21	\$3,960.00	697.28	\$4,760.00	588.07	\$4,040.00	543.76	\$3,680.00	519.43	\$3,480.00	535.06	\$3,160.00
3000 N EL PASO RD-1ST MTR	332.8	\$2,120.00	508.86	\$1,800.00	413.38	\$1,080.00	401.75	\$840.00	108.73	\$400.00	337.85	\$160.00
4500 NESTLE PURINA AVE	989.03	\$8,800.00	972.02	\$8,480.00	1,069.53	\$7,840.00	921.04	\$7,440.00	1,009.03	\$7,440.00	1,202.37	\$8,160.00
AIRPORT GARAGE/MAINT-FIRE	170.14	\$1,074.00	166.86	\$1,071.00	141.08	\$878.00	128.79	\$777.00	129.28	\$689.00	126.03	\$668.00
511 W COCONINO AVE	98.16	\$541.00	68.71	\$350.00	68.29	\$344.00	75.08	\$383.00	80.61	\$376.00	75.18	\$341.00
3375 WILD WEST TRAIL PARK	24.44	\$6.00	22.94	\$6.00	22.08	\$5.00	23.70	\$6.00	23.23	\$7.00	22.91	\$5.00
COCONINO AVE SPRING ST	31.32	\$51.00	27.35	\$44.00	27.01	\$41.00	28.35	\$40.00	27.75	\$36.00	27.27	\$33.00
SPRUCE & 1ST STREET	28.86	\$50.00	22.15	\$0.00	23.02	\$1.00	24.41	\$22.00	494.40	\$1,339.00	533.65	\$1,358.00
790 N AZTEC LITL LG SNCK	25.58	\$9.00	22.35	\$7.00	22.22	\$6.00	22.22	\$6.00	25.94	\$15.00	24.80	\$17.00
MASTER ACCT/CITY PK LITS	430.55	\$888.00	429.38	\$888.00	430.44	\$888.00	430.44	\$888.00	430.44	\$888.00	430.44	\$888.00
526 W CLAY-SEDILLO PARK	29.41	\$37.00	25.59	\$31.00	25.49	\$30.00	26.83	\$29.00	26.17	\$26.00	25.89	\$24.00
623 W CLAY AVE	24.75	\$3.00	21.54	\$1.00	21.41	\$0.00	23.15	\$2.00	23.23	\$7.00	22.91	\$5.00
500 W APACHE	11.35	\$5.00	11.34	\$5.00	10.30	\$5.00	10.65	\$5.00	11.08	\$5.00	11.78	\$5.00
6065 N NATIVE WAY	25.19	\$6.00	22.21	\$6.00	22.08	\$5.00	22.08	\$5.00	24.57	\$6.00	23.23	\$7.00
GEMINI DR/BUFFALO PK	69.49	\$331.00	60.88	\$292.00	64.62	\$317.00	54.79	\$245.00	62.18	\$248.00	56.67	\$222.00
RIDGECREST/ARROYO BFIELD DR	0	\$0.00	22.15	\$0.00	45.04	\$0.00			87.42	\$282.00	77.60	\$347.00
800 N AZTEC LITL LG SNCK	32.4	\$59.00	27.48	\$45.00	27.15	\$42.00	30.28	\$65.00	66.08	\$273.00	74.85	\$339.00
751 W CLAY AVE	11.72	\$41.00	11.66	\$41.00	11.71	\$41.00	11.71	\$41.00	11.71	\$41.00	11.71	\$41.00
805 RIDGECREST DR/ARROYO FIELD	0		90.19	\$0.00	42.17	\$0.00	615.22	\$600.00	833.28	\$2,320.00	775.93	\$1,920.00
SHOP BLDG THORPE PARK	558.38	\$3,915.00	577.96	\$4,119.00	562.52	\$3,970.00	461.92	\$3,221.00	396.29	\$2,406.00	359.64	\$2,170.00

Building Sector

Electricity Use at City Buildings and Parks

SERVICE ADDRESS	1/11 cost	1/11 use	2/11 cost	2/11 use	3/11 cost	3/11 use	4/11 cost	4/11 use	5/11 cost	5/11 use	6/11 cost	6/11 use
BUTLER & SAN FRAN N/S PK	61.35	\$331.00	59.23	\$331.00	60.31	\$331.00	60.99	\$331.00	66.03	\$331.00	66.03	\$331.00
4th STREET LIGHT-LIGHT FIXTURES	38.81	\$122.00	39.57	\$118.00	35.17	\$101.00	34.07	\$93.00	38.39	\$95.00	34.88	\$82.00
4th ST STREET LIGHT-LIGHT FIXTURES	24.34	\$0.00	45.78	\$0.00	0.00	\$0.00	21.41	\$0.00	21.41	\$0.00	23.63	\$0.00
301 S MILTON/PLAZA VIEJA GTWY	24.37	\$0.00	21.41	\$0.00	21.41	\$0.00	22.89	\$0.00	22.15	\$0.00	22.15	\$0.00
3630 E INDUSTRIAL DR	26.21	\$19.00	24.45	\$17.00	23.18	\$13.00	22.76	\$10.00	25.19	\$10.00	23.54	\$9.00
4164 N COUNTRY CLUB SPRINKLR	22.87	\$0.00	23.63	\$0.00	22.15	\$0.00	21.41	\$0.00	21.41	\$0.00	23.63	\$0.00
3924 N HWY 89	74.49	\$373.00	66.6	\$329.00	62.31	\$300.00	58.90	\$275.00	66.40	\$275.00	59.48	\$240.00
2800 S LONETREE	27.77	\$41.00	29.71	\$45.00	27.01	\$41.00	26.86	\$40.00	28.85	\$43.00	30.61	\$45.00
4202 N HWY 89	104.5	\$606.00	88.19	\$500.00	78.28	\$427.00	72.24	\$382.00	78.30	\$360.00	70.22	\$317.00
6 E ASPEN AVE - HERITAGE SQUARE	80.02	\$408.00	61.54	\$297.00	62.17	\$299.00	61.48	\$294.00	56.42	\$211.00	68.17	\$296.00
WALNUT CANYON RD	39.86	\$130.00	41.74	\$134.00	38.18	\$123.00	32.17	\$79.00	122.99	\$639.00	123.85	\$654.00
MASTER ACCT/BUSHMASTER LTS	574.34	\$511.00	573.69	\$511.00	574.29	\$511.00	574.29	\$511.00	574.29	\$511.00	574.29	\$511.00
OLD WALNUT CANYON RD-BB FIELDS	230.9	\$1,520.00	227.38	\$1,440.00	215.52	\$1,280.00	2,989.50	\$5,840.00	4,287.37	\$15,760.00	3,507.22	\$9,440.00
4200 E BUTLER AVE-SPRKL R	23.79	\$12.00	25.51	\$14.00	22.62	\$9.00	21.96	\$4.00	26.44	\$18.00	24.97	\$18.00
SOUTH RAMADA/THORPE PARK	24.37	\$0.00	21.41	\$0.00	21.41	\$0.00	22.89	\$0.00	22.15	\$0.00	22.15	\$0.00
ISABEL & 6TH AVE - BIKE PARK	22.92	\$6.00	23.36	\$9.00	24.25	\$10.00	22.08	\$5.00	22.40	\$2.00	21.70	\$2.00
THORPE PK TENNIS COURTS	25.58	\$9.00	22.35	\$7.00	22.22	\$6.00	23.70	\$6.00	52.79	\$197.00	84.35	\$400.00
BUSHMASTER PARK LIGHTS	47.13	\$164.00	33.62	\$84.00	33.55	\$90.00	47.15	\$189.00	82.24	\$430.00	94.67	\$471.00
BUTLER & FOXGLENN	53.53	\$230.00	56.71	\$245.00	51.53	\$221.00	51.53	\$221.00	61.55	\$244.00	57.76	\$229.00
BUSHMASTER PARK RESTROOMS	507.86	\$3,586.00	391.12	\$2,705.00	36.54	\$112.00	36.11	\$108.00	65.34	\$306.00	67.77	\$298.00
FOXGLENN BALLPARK MAIN/REAR	977.9	\$8,890.00	967.57	\$9,188.00	449.02	\$1,729.00	764.16	\$5,290.00	737.70	\$3,782.00	512.75	\$1,910.00
2230 FT VALLEY RD 1/2	23.49	\$10.00	25.14	\$11.00	22.76	\$10.00	22.76	\$10.00	24.01	\$12.00	25.82	\$14.00
N/O RAQTBL CTS THORPE PK	14.39	\$25.00	14.36	\$25.00	13.36	\$25.00	13.71	\$25.00	14.45	\$25.00	15.16	\$25.00
ZUNI & COCOPAI	23.23	\$8.00	23.22	\$8.00	24.11	\$9.00	22.36	\$7.00	23.54	\$9.00	25.03	\$9.00
THORPE PARK SOFTBALL FIELDS	697.69	\$800.00	690.01	\$640.00	735.07	\$800.00	1,836.87	\$1,760.00	2,322.21	\$4,960.00	3,254.42	\$12,640.00
1702 N 4TH ST-AQUAPLEX IRRG CONTRLR	23.65	\$11.00	25.14	\$11.00	22.76	\$10.00	22.91	\$11.00	25.35	\$11.00	23.87	\$11.00
116 W PHOENIX	22.69	\$4.00	24.31	\$5.00	21.79	\$3.00	21.96	\$4.00	23.07	\$6.00	24.72	\$7.00
210 W ASPEN AVE	129.84	\$600.00	85.41	\$320.00	80.36	\$280.00	77.81	\$240.00	49.85	\$40.00	93.39	\$320.00
EAST FLAG TRAFF INTERSECTION	26.41	\$10.00	23.23	\$8.00	22.61	\$9.00	24.86	\$9.00	22.49	\$8.00	23.26	\$12.00
419 N MOGOLLON POND	84.92	\$444.00	79.24	\$428.00	83.44	\$455.00	81.49	\$430.00	90.73	\$441.00	86.23	\$412.00
415 N MOGOLLON ST GARG	29.28	\$146.00	58.77	\$100.00	58.91	\$100.00	58.91	\$100.00	58.91	\$100.00	58.91	\$100.00
419 N MOGOLLON	679.36	\$4,802.00	701.84	\$4,224.00	607.89	\$4,303.00	429.06	\$2,980.00	419.32	\$2,554.00	374.99	\$2,269.00
419 N MOGOLLON FILL STN	108.92	\$620.00	95.87	\$551.00	97.19	\$556.00	102.33	\$583.00	97.11	\$482.00	74.23	\$335.00
415 N MOGOLLON ST GARG	1256.26	\$7,840.00	1141.75	\$6,800.00	1,267.25	\$8,160.00	1,282.89	\$8,400.00	1,289.14	\$6,920.00	958.87	\$5,080.00
419 N MOGOLLON WASH BAY	447.08	\$3,099.00	684.04	\$4,904.00	413.66	\$2,878.00	243.68	\$1,620.00	230.69	\$1,341.00	132.23	\$708.00
1300 SAN FRANCISCO/CEMETARY SHED	55.69	\$246.00	61.19	\$278.00	46.91	\$187.00	49.89	\$209.00	43.31	\$136.00	47.25	\$152.00

Building Sector

Electricity Use at City Buildings and Parks

SERVICE ADDRESS	1/11 cost	1/11 use	2/11 cost	2/11 use	3/11 cost	3/11 use	4/11 cost	4/11 use	5/11 cost	5/11 use	6/11 cost	6/11 use
SKYDOME DR/CEMETARY OFFICE	95.67	\$797.00	92.15	\$766.00	82.13	\$669.00	73.47	\$584.00	78.32	\$548.00	92.76	\$640.00
211 W ASPEN AVE	6394.67	\$142,400.00	5655.43	\$137,120.00	5,810.88	\$128,800.00	6,106.33	\$65,920.00	7,157.99	\$64,640.00	6,883.25	\$62,880.00
211 W ASPEN AVE	1975.11	\$0.00	1977.34	\$0.00	3,954.68	\$0.00			1,977.34	\$0.00	1,977.34	\$0.00
323 W ASPEN AVE	220.92	\$1,441.00	221	\$1,477.00	222.44	\$1,475.00	201.31	\$1,309.00	178.12	\$1,003.00	160.56	\$890.00
107 W ASPEN AVE	304.44	\$1,880.00	285.39	\$1,800.00	287.51	\$1,800.00	271.15	\$1,680.00	301.58	\$1,640.00	329.76	\$1,840.00
311 W CHERRY AVE - HUNTER HOUSE	28.68	\$161.00	33.52	\$217.00	52.74	\$384.00	56.20	\$410.00	42.08	\$280.00	20.02	\$91.00
216 W PHOENIX AVE, PANEL A	0	\$0.00	0	\$0.00	0.00	\$0.00	540.05	\$3,560.00	398.17	\$2,280.00	407.33	\$2,320.00
216 W PHOENIX AVE	563.82	\$3,971.00	545.59	\$3,863.00	511.26	\$3,594.00	-70.52	\$3,098.00				
2403 N ISABEL ST	866.24	\$7,446.00	854.46	\$6,918.00	869.44	\$6,972.00	841.48	\$6,951.00	797.71	\$6,339.00	834.39	\$5,396.00
245 N THORPE RD	223.83	\$423.00	223.28	\$423.00	223.77	\$423.00	223.77	\$423.00	223.77	\$423.00	223.77	\$423.00
245 N THORPE RD	1273.77	\$9,360.00	1264.89	\$9,120.00	1,257.20	\$8,800.00	1,299.88	\$8,720.00	1,378.34	\$8,160.00	1,327.57	\$7,760.00
301 PSEO DL FLG/COGDL CENTER	423.57	\$2,943.00	472.38	\$3,321.00	413.14	\$2,874.00	390.22	\$2,706.00	478.26	\$2,933.00	476.31	\$2,911.00
301 PSEO DL FLG/COGDL ALLEY	81.3	\$60.00	81.22	\$60.00	81.29	\$60.00	81.29	\$60.00	81.29	\$60.00	81.29	\$60.00
1650 N TURQUOISE - ICE RINK MAIN	7549.33	\$94,880.00	7663.14	\$90,000.00	7,322.78	\$85,520.00	7,246.55	\$87,760.00	9,226.70	\$90,560.00	8,382.51	\$82,320.00
1650 N TURQUOISE-MCPHERSON MAIN	509.97	\$3,560.00	460.28	\$3,248.00	467.79	\$3,275.00	421.86	\$2,938.00	325.49	\$1,941.00	121.05	\$636.00
1650 N TURQUOISE	410.94	\$745.00	409.98	\$745.00	410.85	\$745.00	410.85	\$745.00	410.85	\$745.00	410.85	\$745.00
1702 N 4TH ST-AQUAPLEX BLDG	8476.56	\$103,040.00	8659.88	\$111,360.00	8,251.70	\$99,520.00	8,208.74	\$98,080.00	10,695.88	\$108,320.00	10,695.74	\$105,280.00
15 N BEAVER ST	781.67	\$6,070.00	783.79	\$5,768.00	807.64	\$6,109.00	758.68	\$5,794.00	872.32	\$5,795.00	839.88	\$5,449.00
300 W ASPEN AVE	4714.01	\$41,520.00	4774.64	\$43,200.00	4,742.18	\$41,520.00	5,859.42	\$48,000.00	7,000.56	\$52,080.00	7,080.19	\$52,560.00
78 MAIN STREEET-TUBA CITY LIBRARY	448.61	\$3,040.00	452.02	\$3,040.00	412.00	\$2,800.00	488.13	\$3,280.00	356.28	\$2,360.00	431.45	\$2,560.00
4829 N HWY 89A-FUTS	24.5	\$12.00	26.15	\$13.00	23.03	\$12.00	23.04	\$12.00	25.41	\$13.00	23.26	\$12.00
1 E ROUTE 66-VISITOR'S CENTER	1436.79	\$11,640.00	1061.49	\$6,080.00	1,555.85	\$15,360.00	1,693.30	\$19,160.00	2,074.95	\$19,480.00	2,107.04	\$19,960.00
1709 E FELICE AVE LOT 1	0	\$0.00	25.68	\$143.00	42.49	\$0.00	20.40	\$105.00	0.00	\$0.00	0.00	\$0.00
1701 E FELICE AVE LOT 2	0	\$0.00	26.13	\$147.00	24.70	\$0.00	22.67	\$114.00	21.08	\$100.00	0.00	\$0.00
2382 N ISABEL ST LOT 3	27.43	\$161.00	49.64	\$127.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
955 PONDEROSA PARKWAY	30.36	\$44.00	26.68	\$39.00	26.73	\$39.00	51.42	\$63.00	30.55	\$42.00	28.54	\$41.00
TURQUOISE & CEDAR	0	\$0.00	52.85	\$52.00	24.55	\$23.00	24.41	\$22.00	27.22	\$21.00	25.25	\$20.00
419 N MOGOLLON	481.86	\$3,354.00	445.67	\$3,140.00	438.47	\$3,060.00	386.41	\$2,667.00	421.05	\$2,565.00	379.68	\$2,299.00
ALLEY BEHIND 10 W 66	73.5	\$360.00	64.24	\$317.00	65.01	\$320.00	39.27	\$131.00	23.63	\$0.00	22.15	\$0.00
CINDERLAKE LANDFILL	882.7	\$7,600.00	958.5	\$8,480.00	822.53	\$6,720.00	722.56	\$5,160.00	517.42	\$3,520.00	549.08	\$3,320.00
NDP CINDERLAKE LANDFILL RD-OFFICE A	405.79	\$2,760.00	503.17	\$3,400.00	528.32	\$3,600.00	313.03	\$2,080.00	383.43	\$2,520.00	368.49	\$2,120.00
101 W CHERRY AVE - APS BLDG 40%	1022.5	\$7,808.00	990.59	\$6,720.00	1,067.35	\$7,104.00	818.13	\$3,840.00	772.30	\$2,752.00	719.76	\$2,112.00
101 W CHERRY AVE - APS BLDG 20%	511.26	\$3,904.00	495.29	\$3,360.00	533.67	\$3,552.00	409.06	\$1,920.00	386.15	\$1,376.00	359.87	\$1,056.00
102 PHOENIX AVE	89.42	\$7.00	24.71	\$8.00	22.36	\$7.00	22.49	\$8.00	23.23	\$7.00	24.88	\$8.00
N DP CINDERLAKE LANDFILL-OFFICE B	155.66	\$840.00	165.22	\$880.00	126.48	\$640.00	132.59	\$680.00	131.51	\$640.00	127.09	\$560.00

Building Sector

Natural Gas Use at City Buildings and Parks

LOCATION	07/10 use	07/10 cost	08/10 use	08/10 cost	09/10 use	09/10 cost	10/10 use	10/10 cost	11/10 use	11/10 cost	12/10 use	12/10 cost
213 N BEAVER-GIS BLDG	5	\$15.99	0	\$11.20	0	\$11.86	0	\$11.26	3	\$14.50	10	\$22.57
5477 E COMMERCE AVE	3	\$8.22	0	\$17.03	0	\$28.89	1	\$18.17	328	\$354.34	814	\$917.98
5401 E COMMERCE AVE 25%	4	\$5.41	4	\$8.63	7	\$14.11	4	\$8.70	25	\$29.95	212	\$238.90
5401 E COMMERCE AVE 25%	4	\$5.40	4	\$8.63	7	\$14.12	4	\$8.70	25	\$29.96	212	\$238.91
2255 GEMINI DR BLDG #6	774	\$788.85	1728	\$1,794.93	487	\$535.92	651	\$691.87	650	\$685.50	1116	\$1,176.82
2255 GEMINI DR BLDG #3	540	\$531.78	196	\$228.64	85	\$148.42	183	\$209.10	306	\$332.50	922	\$977.59
1972 THOMPSON ST	70	\$80.44	56	\$74.64	60	\$87.01	71	\$90.73	90	\$109.55	591	\$660.77
1701 E PONDEROSA PKWY	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
6619 S CESSNA CIR	0	\$14.08	2	\$19.11	1	\$20.91	2	\$19.21	55	\$73.55	215	\$251.26
2525 N FORT VALLEY RD	138	\$145.13	49	\$66.38	48	\$76.95	72	\$91.34	64	\$81.52	211	\$234.24
2230 E SPRUCE	36	\$50.53	36	\$54.95	30	\$51.79	31	\$49.39	27	\$44.76	75	\$94.91
4040 E BUTLER	93	\$103.97	89	\$108.61	86	\$113.17	74	\$93.84	105	\$124.97	168	\$193.32
400 S MALPAIS LN	41	\$53.22	29	\$47.83	26	\$50.28	29	\$47.95	38	\$56.08	338	\$381.54
3877 S LAKE MARY RD	80	\$89.18	41	\$59.21	43	\$71.24	39	\$57.60	100	\$119.83	591	\$661.29
4501 E NESTLE PURINA AVE	60	\$72.04	95	\$116.07	66	\$93.70	75	\$96.14	223	\$250.05	804	\$921.26
511 W COCONINO AVE	45	\$56.82	23	\$40.69	19	\$42.91	23	\$41.01	68	\$86.91	332	\$376.09
600 N THORPE RD	73	\$85.48	14	\$31.42	8	\$32.18	13	\$30.62	90	\$109.55	242	\$272.13
419 N MOGOLLON ST BLDG 6	82	\$99.36	87	\$106.54	72	\$92.46	69	\$88.66	71	\$90.01	57	\$77.99
419 N MOGOLLON ST BLDG 2 33%	94	\$89.70	3	\$6.71	21	\$39.89	43	\$49.94	76	\$83.83	394	\$427.44
419 N MOGOLLON ST BLDG 7	239	\$234.89	45	\$63.32	34	\$81.00	57	\$76.25	216	\$239.13	1231	\$1,333.69
800 S VERDE (CEMETARY)	9	\$24.93	0	\$17.46	0	\$18.57	0	\$17.41	6	\$23.15	60	\$81.87
700 S AGASSIZ ST	30	\$45.94	13	\$30.42	13	\$32.25	23	\$40.98	42	\$60.18	85	\$109.20
211 W ASPEN	1061	\$1,056.30	726	\$763.98	64	\$134.64	263	\$289.74	818	\$858.31	1253	\$1,345.70
323 W ASPEN-MULLIGAN HOUSE	16	\$30.04	0	\$17.03	0	\$20.34	0	\$17.13	31	\$48.87	113	\$136.83
311 W CHERRY-HUNTER HOUSE	0	\$10.92	0	\$10.98	0	\$10.95	0	\$11.05	0	\$10.95	6	\$17.61
107 W ASPEN	10	\$26.14	0	\$17.03	0	\$18.36	0	\$17.13	19	\$36.56	128	\$153.10
216 W PHOENIX AVE	175	\$184.46	72	\$91.29	58	\$89.86	41	\$59.73	80	\$99.47	250	\$288.81
2403 N IZABEL ST	461	\$467.97	93	\$112.72	35	\$74.50	53	\$72.06	126	\$146.57	639	\$677.20
245 W THORPE RD	232	\$244.62	186	\$208.41	173	\$204.18	184	\$207.83	210	\$232.97	353	\$389.23
1650 N TURQUOISE	0	\$0.00	0	\$0.00	0	\$0.00	0	\$155.95	130	\$210.36	654	\$993.64
1702 N FOURTH ST	4412	\$4,496.09	4312	\$4,529.85	3250	\$3,543.70	3361	\$3,560.43	4719	\$4,954.01	7291	\$8,148.90
15 N BEAVER	48	\$57.38	13	\$30.42	11	\$37.13	14	\$31.66	27	\$44.76	291	\$325.54
300 W ASPEN	638	\$646.25	319	\$345.23	449	\$507.28	568	\$605.85	581	\$614.55	1227	\$1,318.11
419 N MOGOLLON ST BLDG 2 33%	94	\$89.71	3	\$6.71	21	\$39.86	43	\$49.94	76	\$83.83	394	\$427.43
419 N MOGOLLON ST BLDG 5	123	\$127.23	42	\$60.23	32	\$66.09	34	\$52.42	63	\$81.78	559	\$614.86
1 E ROUTE 66	120	\$126.44	18	\$35.55	18	\$49.72	27	\$45.15	232	\$255.59	743	\$822.88
419 N MOGOLLON ST BLDG 1	5	\$19.14	0	\$17.03	0	\$19.97	0	\$17.13	6	\$23.15	59	\$80.15
419 N MOGOLLON ST BLDG 2 33%	94	\$89.70	3	\$6.71	21	\$39.89	43	\$49.94	76	\$83.83	394	\$427.43
419 N MOGOLLON ST BLDG 3	108	\$115.92	0	\$17.03	0	\$29.33	0	\$17.13	0	\$16.98	819	\$892.97

Building Sector

Natural Gas Use at City Buildings and Parks

LOCATION	01/11 use	01/11 cost	02/11 use	02/11 cost	03/11 use	03/11 cost	04/11 use	04/11 cost	05/11 use	05/11 cost	06/11 use	06/11 cost
213 N BEAVER-GIS BLDG	41	\$59.99	88	\$116.00	77.00	\$99.84	75.00	\$96.67	66.00	\$88.06	37.00	\$52.35
5477 E COMMERCE AVE	1472	\$1,655.79	187	\$225.26	1,194.00	\$1,300.49	792.00	\$859.41	302.00	\$352.52	247.00	\$13.80
5401 E COMMERCE AVE 25%	333	\$375.27	399	\$448.64	448.00	\$485.29	239.00	\$258.19	134.00	\$151.37	89.00	\$96.77
5401 E COMMERCE AVE 25%	333	\$375.26	399	\$448.64	448.00	\$485.30	239.00	\$258.20	134.00	\$151.36	89.00	\$96.77
2255 GEMINI DR BLDG #6	2093	\$2,347.16	2043	\$2,292.40	2,054.00	\$2,224.96	2,020.00	\$2,165.61	1,736.00	\$1,900.08	1,411.00	\$1,479.80
2255 GEMINI DR BLDG #3	2067	\$2,323.67	2269	\$2,550.07	2,074.00	\$2,251.91	1,786.00	\$1,921.41	968.00	\$1,081.27	626.00	\$667.60
1972 THOMPSON ST	959	\$1,084.66	1171	\$1,321.21	1,028.00	\$1,122.06	556.00	\$608.39	427.00	\$481.41	265.00	\$291.71
1701 E PONDEROSA PKWY	0	\$0.00	0	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00		\$22.36
6619 S CESSNA CIR	289	\$387.73	403	\$533.76	316.00	\$408.28	183.00	\$240.35	119.00	\$165.66	54.00	\$81.27
2525 N FORT VALLEY RD	773	\$870.35	989	\$1,109.66	904.00	\$980.59	783.00	\$842.76	450.00	\$504.85	319.00	\$345.27
2230 E SPRUCE	235	\$278.61	312	\$364.48	320.00	\$360.98	294.00	\$329.71	142.00	\$173.52	87.00	\$107.17
4040 E BUTLER	478	\$549.16	744	\$845.62	669.00	\$736.14	682.00	\$742.42	288.00	\$335.68	254.00	\$280.30
400 S MALPAIS LN	741	\$841.96	1311	\$1,477.13	781.00	\$856.54	459.00	\$505.22	470.00	\$525.47	268.00	\$294.82
3877 S LAKE MARY RD	919	\$1,040.13	1259	\$1,419.22	1,075.00	\$1,172.58	676.00	\$736.03	438.00	\$495.21	361.00	\$391.24
4501 E NESTLE PURINA AVE	981	\$1,127.37	1406	\$1,610.09	1,408.00	\$1,556.86	576.00	\$639.72	410.00	\$471.32	250.00	\$279.94
511 W COCONINO AVE	582	\$664.93	533	\$610.63	332.00	\$373.86	264.00	\$297.79	201.00	\$235.78	109.00	\$129.97
600 N THORPE RD	527	\$603.72	638	\$727.55	532.00	\$588.87	541.00	\$592.44	329.00	\$376.85	147.00	\$169.38
419 N MOGOLLON ST BLDG 6	93	\$120.52	50	\$72.69	1.00	\$18.06	107.00	\$130.80	16.00	\$34.00	14.00	\$31.49
419 N MOGOLLON ST BLDG 2 33%	824	\$923.41	1223	\$1,367.42	967.00	\$1,045.86	814.00	\$871.13	331.00	\$371.88	63.00	\$71.33
419 N MOGOLLON ST BLDG 7	2356	\$2,639.99	3083	\$3,450.72	2,399.00	\$2,595.81	2,070.00	\$2,218.78	1,588.00	\$1,743.41	732.00	\$775.86
800 S VERDE (CEMETARY)	110	\$139.45	278	\$326.63	169.00	\$198.66	96.00	\$119.09	61.00	\$83.86	35.00	\$53.28
700 S AGASSIZ ST	125	\$156.15	140	\$172.91	326.00	\$367.43	117.00	\$141.44	91.00	\$113.83	63.00	\$82.31
211 W ASPEN	2102	\$2,357.20	2265	\$2,539.64	2,097.00	\$2,271.18	2,091.00	\$2,241.13	2,062.00	\$2,248.24	1,412.00	\$1,480.83
323 W ASPEN-MULLIGAN HOUSE	273	\$320.93	297	\$347.77	242.00	\$277.12	200.00	\$229.72	107.00	\$134.62	36.00	\$54.30
311 W CHERRY-HUNTER HOUSE	82	\$106.65	336	\$403.30	241.00	\$283.01	155.00	\$184.17	116.00	\$143.67	60.00	\$76.39
107 W ASPEN	342	\$398.65	406	\$470.25	377.00	\$423.25	317.00	\$355.00	212.00	\$248.99	91.00	\$111.56
216 W PHOENIX AVE	1542	\$1,737.80	1670	\$1,881.36	1,540.00	\$1,676.48	1,118.00	\$1,209.11	895.00	\$991.69	339.00	\$369.32
2403 N IZABEL ST	1464	\$1,646.87	1920	\$2,155.41	979.00	\$1,069.37	946.00	\$1,023.22	2,975.00	\$3,199.86	922.00	\$972.83
245 W THORPE RD	735	\$835.28	930	\$1,052.79	817.00	\$895.23	706.00	\$767.94	629.00	\$698.99	368.00	\$398.50
1650 N TURQUOISE	957	\$1,549.23	1104	\$1,784.99	1,150.00	\$1,794.70	1,103.00	\$1,703.32	830.00	\$1,315.93	706.00	\$1,068.41
1702 N FOURTH ST	9930	\$11,259.09	9568	\$10,853.79	9,618.00	\$10,531.05	7,538.00	\$8,172.08	6,797.00	\$7,507.30	5,723.00	\$6,050.37
15 N BEAVER	949	\$1,073.52	1190	\$1,342.37	958.00	\$1,046.80	792.00	\$859.41	512.00	\$575.99	215.00	\$239.88
300 W ASPEN	1999	\$2,242.52	2371	\$2,657.71	2,009.00	\$2,176.58	1,593.00	\$1,711.40	1,332.00	\$1,462.65	783.00	\$828.73
419 N MOGOLLON ST BLDG 2 33%	824	\$923.42	1223	\$1,367.42	967.00	\$1,045.87	814.00	\$871.14	331.00	\$371.87	63.00	\$71.32
419 N MOGOLLON ST BLDG 5	1176	\$1,326.26	1551	\$1,744.45	1,216.00	\$1,324.14	1,042.00	\$1,125.32	672.00	\$750.63	318.00	\$346.67
1 E ROUTE 66	1336	\$1,504.38	1596	\$1,794.56	1,475.00	\$1,602.56	899.00	\$973.23	763.00	\$844.97	471.00	\$505.29
419 N MOGOLLON ST BLDG 1	153	\$187.31	222	\$264.23	243.00	\$278.20	172.00	\$199.93	130.00	\$158.59	72.00	\$91.63
419 N MOGOLLON ST BLDG 2 33%	824	\$923.42	1223	\$1,367.42	967.00	\$1,045.87	814.00	\$871.14	331.00	\$371.87	63.00	\$71.32
419 N MOGOLLON ST BLDG 3	1237	\$1,394.16	1593	\$1,791.20	1,238.00	\$1,347.79	471.00	\$517.98	736.00	\$808.76	15.00	\$32.53

Wastewater Treatment Sector

Electricity Use at City Wastewater Treatment Locations

SERVICE	SERVICE ADDRESS	RATE	METER	07/10 cost	07/10 use	08/10 cost	08/10 use	09/10 cost	09/10 use	10/10 cost	10/10 use	11/10 cost	11/10 use	12/10 cost	12/10 use
1494S82289	2800 N EL PASO RD	E32	E20033	\$28.55	32	\$0.00	0	\$60.55	254	\$35.08	84	\$38.21	95	\$32.28	81
1607S40286	6300 E RT 66/SWR PLNT-WILDCAT	E32	J41276	\$116.18	577	\$172.60	876	\$153.82	782	\$220.75	1185	\$157.45	798	\$59.96	255
2946S72284	2800 E EL PASO RD	E32	R67999	\$4,421.77	30960	\$2,122.44	6960	\$1,592.00	2320	\$524.32	800	\$521.71	560	\$528.30	720
6401S01280	6300 E RT 66/SWR PLNT-WILDCAT	E32	A00239	\$32,440.45	275586	\$14,672.68	132283	\$23,674.70	237606	\$16,573.08	155520	\$11,826.75	120000	\$14,786.79	169440
8607S40286D	5401 E COMMERCE AV 25%	E32	C43876	\$311.41	1670	\$314.61	1740	\$283.54	1670	\$280.89	1500	\$264.48	1530	\$258.20	1790
8942S01282	600 S BABBITT WY SES #3	E32	A33791	\$3,893.15	30720	\$4,109.52	34400	\$4,142.39	34880	\$3,690.07	33440	\$3,037.89	29920	\$3,362.99	35840
3697S91288	3000 JW POWELL BLVD	E32	F34860	\$23.60	0	\$21.39	0	\$22.12	0	\$23.60	0	\$20.63	0	\$25.06	0
4491S01280	600 S BABBITT WY SES #1	E32	847791	\$14,793.79	158800	\$13,575.23	142000	\$18,132.69	192000	\$13,587.79	145200	\$11,048.51	149200	\$12,295.99	172000
6551S01282	600 S BABBITT WY SES #2	E32	920383	\$10,610.24	109600	\$8,740.36	72400	\$10,913.37	106400	\$10,148.13	96800	\$6,627.67	69200	\$6,995.78	66800
7557S12286	350 S BABBITT WAY-RECLAIM LOAD	E32	J83088	\$24.14	13	\$22.45	7	\$28.69	33	\$36.27	92	\$39.56	135	\$51.28	200
8853S62282	3000 EL PASEO DR	E32	P23322	\$26,486.94	290100	\$26,527.13	285000	\$25,720.42	285300	\$28,075.53	275100	\$19,321.86	255900	\$20,099.91	291900
8159S32286	550 N AZTEC STREET	E32	846789	\$21.39	0	\$23.60	0	\$21.05	0	\$21.77	0	\$23.23	0	\$22.51	0
				\$93,171.61		\$70,302.01		\$84,745.34		\$73,217.28		\$52,927.95		\$58,519.05	
					898058		675666		861245		709721		627338		739026

Electricity Use at City Wastewater Treatment Locations

SERVICE	SERVICE ADDRESS	RATE	METER	1/11 cost	1/11 use	2/11 cost	2/11 use	3/11 cost	3/11 use	4/11 cost	4/11 use	5/11 cost	5/11 use	6/11 cost	6/11 use
1494S82289	2800 N EL PASO RD	E32	E20033	\$41.32	137	\$58.20	248	\$48.71	202	\$38.18	123	\$35.99	93	\$35.36	85.00
1607S40286	6300 E RT 66/SWR PLNT-WILDCAT	E32	J41276	\$59.53	254	\$57.51	248	\$59.45	257	\$62.81	269	\$54.63	227	\$59.97	231.00
2946S72284	2800 E EL PASO RD	E32	R67999	\$0.00	0	\$545.69	2880	\$205.74	1200	\$173.03	960	\$173.11	800	\$2,267.99	9520.00
6401S01280	6300 E RT 66/SWR PLNT-WILDCAT	E32	A00239	\$0.00	0	\$27,320.22	299520	\$14,348.17	150720	\$12,710.71	125520	\$18,566.43	185520	\$15,015.94	127920.00
8607S40286D	5401 E COMMERCE AV 25%	E32	C43876	\$0.00	0	\$543.22	3830	\$246.95	1760	\$230.68	1350	\$291.17	1820	\$236.72	1320.00
8942S01282	600 S BABBITT WY SES #3	E32	A33791	\$0.00	0	\$7,352.99	78560	\$3,194.22	33440	\$2,881.00	29120	\$3,482.46	33920	\$4,052.93	32480.00
3697S91288	3000 JW POWELL BLVD	E32	F34860	\$0.00	0	\$22.15	0	\$45.04	0	\$21.41	0	\$22.43	0	\$23.63	0.00
4491S01280	600 S BABBITT WY SES #1	E32	847791	\$0.00	0	\$22,273.45	310400	\$10,509.02	140000	\$10,726.28	143600	\$14,918.75	164400	\$13,106.07	140800.00
6551S01282	600 S BABBITT WY SES #2	E32	920383	\$0.00	0	\$12,876.91	126800	\$5,967.75	58400	\$6,522.99	62000	\$10,310.77	106800	\$10,815.43	114000.00
7557S12286	350 S BABBITT WAY-RECLAIM LOAD	E32	J83088	\$0.00	0	\$116.89	524	\$48.94	202	\$41.30	146	\$43.30	123	\$37.70	100.00
8853S62282	3000 EL PASEO DR	E32	P23322	\$0.00	0	\$37,042.77	542100	\$18,844.46	252300	\$17,831.34	251100	\$24,123.39	271800	\$23,978.78	251700.00
8159S32286	550 N AZTEC STREET	E32	846789	\$23.96	0	\$21.05	0	\$21.05	0	\$22.51	0	\$22.05	0	\$21.77	0.00
				\$124.81		\$108,231.05		\$53,539.50		\$51,262.24		\$72,044.48		\$69,652.29	
					391		1365110		638481		614188		765503		678156.00

Wastewater Treatment Sector

Natural Gas Use at City Wastewater Treatment Locations

SERVICE	LOCATION	METER	07/10 use	07/10	08/10 use	08/10	09/10 use	09/10	10/10 use	10/10	11/10 use	11/10	12/10 use	12/10
5929839375	2800 N EL PASO, DIGSTR FLARE	6015118	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
3218050426	2800 N EL PASO, DIGSTR 1	6015146	0	\$16.75	0	\$17.03	0	\$17.24	0	\$17.13	0	\$16.98	0	\$16.98
8336051339	2800 N EL PASO, DIGSTR 2	6018035	54	\$32.29	20	\$42.76	23	\$101.62	249	\$340.53	1069	\$1,393.12	2704	\$3,762.65
4218050950	2800 N EL PASO-PUMPHOUSE	6004987	7	\$23.55	8	\$25.29	6	\$23.81	8	\$25.46	9	\$26.24	46	\$67.94
7935530086	2800 N EL PASO-MAIN BLDG	6016510	7555	\$8,764.72	6462	\$7,665.14	5402	\$6,594.23	6262	\$7,487.25	7908	\$9,354.36	10201	\$13,110.16
9156740950D	5401 E COMMERCE AVE 25%	856395A	4	\$5.40	4	\$8.63	7	\$14.12	4	\$8.69	25	\$29.96	212	\$238.91
0204150838	600 S BABBITT DR, F	339143A	0	\$16.68	0	\$17.03	0	\$17.24	0	\$17.13	0	\$16.98	0	\$16.98
7500260363	600 S BABBITT DR, O	163885A	160	\$230.45	6	\$25.29	4	\$41.10	6	\$26.48	5	\$24.19	270	\$419.95
2551250031	600 S BABBITT DR, I	235909A	0	\$16.68	0	\$17.03	0	\$17.51	0	\$17.13	0	\$16.98	0	\$16.98
			7776		7780		6500		5442		6529		9016	
				\$9,106.52		\$9,106.52		\$7,818.20		\$6,826.87		\$7,939.80		\$17,650.55

Natural Gas Use at City Wastewater Treatment Locations

SERVICE	LOCATION	METER	01/11 use	01/11	02/11 use	02/11	03/11 use	03/11	04/11 use	04/11	05/11 use	05/11	06/11 use	06/11
5929839375	2800 N EL PASO, DIGSTR FLARE	6015118	0	\$0.00	0	\$0.00	0	\$0.00						
3218050426	2800 N EL PASO, DIGSTR 1	6015146	0	\$16.98	0	\$16.98	0	\$16.98	0	\$16.98	0	\$17.25	0.00	16.98
8336051339	2800 N EL PASO, DIGSTR 2	6018035	3561	\$4,979.07	3453	\$4,829.55	3549	\$4,790.89	1895	\$2,538.95	911	\$1,271.96	364.00	488.69
4218050950	2800 N EL PASO-PUMPHOUSE	6004987	93	\$120.52	49	\$71.55	77	\$99.76	33	\$52.09	18	\$36.99		
7935530086	2800 N EL PASO-MAIN BLDG	6016510	12626	\$16,310.37	7301	\$9,484.65	13905	\$17,230.67	11724	\$14,366.54	12888	\$16,031.76	9300.00	11081.92
9156740950D	5401 E COMMERCE AVE 25%	856395A	333	\$375.26	399	\$448.64	448	\$485.30	239	\$258.20	134	\$151.36	89.00	96.78
0204150838	600 S BABBITT DR, F	339143A	0	\$16.98	0	\$16.98	0	\$16.98	0	\$16.98	0	\$17.25	0.00	16.98
7500260363	600 S BABBITT DR, O	163885A	860	\$1,366.33	1263	\$1,998.37	1036	\$1,585.35	900	\$1,365.74	686	\$1,068.52	430.00	645.24
2551250031	600 S BABBITT DR, I	235909A	0	\$16.98	0	\$16.98	54	\$98.68	1	\$18.05	0	\$17.27	0.00	16.98
			#REF!		17473		12465		19069		14792		14637	
				\$23,202.49		\$16,883.70		\$24,324.61		\$18,633.53		\$18,612.36		\$12,363.57

Solid Waste Services at City Facilities

City Facility	Facility Name	Address	# Bins	Bin Size	Yards	Svc Days
CITY OF FLAGSTAFF	CITY STREETS/PAINTSHOP	419 N MOGOLLON ST	1	4	4	2
CITY - FLAGSTAFF MUNICIPAL COURT	CITY COURT BLDG - LOW WIRES / BACK UP TO SERVICE	15 N BEAVER ST	1	6	6	2, 4, 6
CITY OF FLAGSTAFF	PARKS BEFORE 6AM(AM-PM P/UP)	THORPE RD	3	4	12	1, 2, 3, 4, 5, 6
CITY - REC/JAY LIVELY ACTIVITY	JAY LIVELY ACTIVITY/CITY OF FLAGSTAFF	1650 N TURQUOISE DR	1	4	4	2, 4, 6
CITY OF FLAGSTAFF	FIRE STATION #1	400 S MALPAIS LN	1	4	4	2
CITY - PARKS RECLAIM WATER MTR	FOXGLENN PARK	EAST BUTLER AVE	1	6	6	2, 4, 6
CITY OF FLAGSTAFF	AQUA PLEX	1702 N FOURTH ST	1	6	6	2, 4, 6
CITY - FIRE STATION #2	FIRE STATION #2	1701 E PONDEROSA PKWY	1	6	6	2
CITY - USGS BUILDINGS	USGS	2255 N GEMINI DR	1	4	4	2, 4, 6
CITY - USGS BUILDINGS	USGS	2255 N GEMINI DR	1	4	4	2, 6
CITY - VISITOR CTR / AMTRAK STA	AMTRAK / VISITOR CENTER	1 E ROUTE 66	1	6	6	1, 2, 3, 4, 5, 6, 7
CITY - FLAGSTAFF SHELTER SERVICES	FLAGSTAFF SHELTER SERVICES	216 W PHOENIX AVE	1	6	6	2
CITY - AIRPORT FIRE STATION	CITY - AIRPORT FIRE STATION	6619 S CESSNA CIR	1	6	6	2, 5
CITY OF FLAGSTAFF	FIRE STATION #7	1972 S THOMPSON ST	1	4	4	3
CITY OF FLAGSTAFF	FIRE STATION #6	3877 S LAKE MARY RD	1	4	4	3
CITY - LAKE MARY WATER PLANT	WATER TREATMENT PLANT/ GATE CODE: #2620	4500 S LAKE MARY RD	1	4	4	3
CITY - FIRE STATION #2	FIRE STATION #2	2230 E SPRUCE AVE	1	4	4	3, 6
CITY - WATER SHOP	UTILITIES SHOP YARD	5401 E COMMERCE AVE	1	4	4	3, 6
CITY - WAREHOUSE	CITY WAREHOUSE	5477 E COMMERCE AVE	1	4	4	3
CITY - WILDCAT SEWER PLANT	WILDCAT	WILDCAT HILL	3	4	12	3, 6
CITY - WILDCAT SEWER PLANT	WILDCAT	WILDCAT HILL	2	2	4	3, 6
CITY - FIRE STATION #4	FIRE STATION #4	4040 E BUTLER AVE	1	4	4	3
CITY- RIO DEL FLAG RECLAIM PLT	RIO DEL FLAG RECLAIM WATER	600 S BABBITT WAY	3	4	12	3
CITY - FIRE STATION #5	FIRE STATION #5	2525 N FORT VALLEY RD	1	6	6	4
CITY - REC/FLAGSTAFF REC CNTR	CITY OF FLAG REC CENTER	2403 N IZABEL ST	1	4	4	4
CITY - ADULT CENTER	ADULT CENTER	245 N THORPE RD	1	6	6	5
CITY-REC/COGDILL REC CENTER	COGDILL RECREATION CENTER	301 S PASEO DEL FLAG	1	4	4	5
CITY OF FLAGSTAFF	FIRE STATION #3	4501 E NESTLE PURINA AVE	1	6	6	6
	Waste					
	Weekly Yardage	338				
	Annual Yardage	17576				
	Annual Pounds	3515200				
	Annual Tonnage	1757.6				
	Recycle					
	Weekly Yardage	140				
	Annual Yardage	7280				
	Annual Pounds	728000				
	Annual Tonnage	364				

Employee Commute Sector

City of Flagstaff Employee Commute

Fuel Type	Car Type	2011 Vehicle Mileage
Gasoline	Passenger Car	974,774
	Hybrid Passenger Car	
	Truck/SUV	2,207,626
	BUS	0
	Motorcycle/Scooter	0
Diesel	Passenger Car	50,739
	Hybrid Passenger Car	0
	Truck/SUV	108,166
	BUS	0
	Motorcycle/Scooter	0
Biodiesel	Passenger Car	0
	Hybrid Passenger Car	0
	Truck/SUV	3,690
	BUS	0
	Motorcycle/Scooter	0
Natural Gas	Passenger Car	6,581
	Hybrid Passenger Car	0
	Truck/SUV	55,198
	BUS	0
	Motorcycle/Scooter	0
Total		3,406,775

Employee Commute Sector

EMPLOYEE COMMUTE DAILY MILES TRAVELED

Daily Vehicle Miles Traveled by Fuel Type

Gasoline	1076290.8	93.35%
Diesel	53742	4.66%
Biodiesel	1976	0.17%
Natural Gasoline	20893.6	1.81%
Propane	0	
Total	1152902.4	100.00%

Miles Traveled Daily by Vehicle Type within Each Fuel Type

Gasoline		Diesel		Biodiesel		Natural Gas	
Passenger Car	Truck/SUV/van	Passenger Car	Truck/SUV/van	Passenger Car	Truck/SUV/van	Passenger Car	Truck/SUV/van
329669.6	746621.2	17160	36582	0	1248	2225.6	18668
30.63%	69.37%	31.93%	68.07%		63.16%	10.65%	89.35%

Number of City Employees Estimate Worksheet (-.01%)

Number of City Employees	948
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Average Daily Commute	17.86773234
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Average Annual Days Commuting/Wk	4.19
Average Annual Days Commuting/Yr	218.1355932

Streetlight and Traffic Signal Sector

Electric Use for City Streetlighting

SERVICE .	SERVICE ADDRESS	RATE	METER.	07/10 cost	07/10 use	08/10 cost	08/10 use	09/10 cost	09/10 use	10/10 cost	10/10 use	11/10 cost	11/10 use	12/10 cost	12/10 use
7054S90286	19 1/2 W PHOENIX AVE	E32	370872	\$31.55	61	\$32.01	69	\$37.64	91	\$36.75	95	\$33.57	96	\$41.51	122
1130S10280	BIRCH & BEAVER	E30	NM	\$68.86	350	\$68.42	350	\$68.42	350	\$69.44	350	\$62.95	350	\$64.30	350
1401S72284	2417 E HUNTINGTON DR	E32	949532	\$22.27	1	\$21.68	2	\$24.37	5	\$22.56	3	\$21.92	4	\$24.60	2
2140S10285	ASPEN & BEAVER	E30	NM	\$68.86	350	\$68.42	350	\$68.42	350	\$69.44	350	\$62.95	350	\$64.30	350
2618S01281	N VERDE A/N/O BIRCH LTS	E32	916321	\$445.83	2747	\$507.31	3137	\$490.78	3044	\$554.26	3451	\$579.37	4128	\$603.82	4315
3360S72289	2177 E HUNTINGTON DR	E32	P61115	\$22.73	4	\$22.01	4	\$24.37	5	\$22.73	4	\$21.92	4	\$25.01	5
4130S10284	419 N MOGOLLON	E32	A35722	\$325.48	1968	\$361.00	2188	\$341.16	2074	\$331.46	2006	\$374.07	2603	\$449.54	3169
4577S01288	N BEAVER A/N/O BIRCH LTS	E32	999728	\$521.07	3234	\$597.85	3724	\$582.96	3642	\$665.60	4173	\$697.73	5014	\$710.69	5213
7830S10281	BIRCH & SAN FRANCISCO	E30	NM	\$68.86	350	\$68.42	350	\$68.42	350	\$69.44	350	\$62.95	350	\$64.30	350
8834S01285	755 N BONITO ST LTS	D2D	NM	\$117.74	221	\$117.67	221	\$86.30	162	\$0.00	0	\$0.00	0	\$0.00	0
9558S90283	MASTER STREETLNG ACCT	SPECIAL	NM	\$21,476.66	173300	\$21,422.09	173300	\$21,422.09	173300	\$21,422.09	173300	\$21,357.82	173300	\$21,357.82	173300
9820S10280	101 W CHERRY AVE	D2D	NM	\$149.06	200	\$149.00	200	\$149.00	200	\$149.00	200	\$148.92	200	\$148.92	200
				\$23,318.97		\$23,435.88		\$23,363.93		\$23,412.77		\$23,424.17		\$23,554.81	
					182786		183895		183573		184282		186399		187376

Electric Use for City Streetlighting

SERVICE .	SERVICE ADDRESS	RATE	METER.	1/11 cost	1/11 use	2/11 cost	2/11 use	3/11 cost	3/11 use	4/11 cost	4/11 use	5/11 cost	5/11 use	6/11 cost	6/11 use
7054S90286	19 1/2 W PHOENIX AVE	E32	370872	\$37.29	111	\$38.51	110	\$34.49	96	\$33.27	87	\$34.60	80	\$35.45	76
1130S10280	BIRCH & BEAVER	E30	NM	\$64.61	350	\$62.81	350	\$62.87	350	\$63.21	350	\$69.24	350	\$69.93	350
1401S72284	2417 E HUNTINGTON DR	E32	949532	\$22.69	4	\$24.19	4	\$21.96	4	\$21.96	4	\$24.09	3	\$22.60	3
2140S10285	ASPEN & BEAVER	E30	NM	\$64.61	350	\$62.81	350	\$62.87	350	\$63.21	350	\$69.24	350	\$69.93	350
2618S01281	N VERDE A/N/O BIRCH LTS	E32	916321	\$807.43	6436	\$635.82	4547	\$549.44	3874	\$508.13	3571	\$573.82	3538	\$500.66	3077
3360S72289	2177 E HUNTINGTON DR	E32	P61115	\$22.69	4	\$24.19	4	\$21.96	4	\$21.96	4	\$24.26	4	\$22.91	5
4130S10284	419 N MOGOLLON	E32	A35722	\$555.77	3896	\$492.57	3487	\$507.14	3564	\$410.80	2846	\$459.13	2810	\$384.83	2332
4577S01288	N BEAVER A/N/O BIRCH LTS	E32	999728	\$919.53	8029	\$735.42	5556	\$668.42	4747	\$590.32	4174	\$694.36	4313	\$573.27	3544
7830S10281	BIRCH & SAN FRANCISCO	E30	NM	\$64.61	350	\$62.81	350	\$62.87	350	\$63.21	350	\$69.24	350	\$69.93	350
8834S01285	755 N BONITO ST LTS	D2D	NM	\$0.00	0	\$0.00	0	\$0.00	0						
9558S90283	MASTER STREETLNG ACCT	SPECIAL	NM	\$21,405.99	173300	\$21,183.64	173300	\$21,387.53	173300	\$21,387.53	173300	\$21,387.53	173300	\$21,387.53	173300
9820S10280	101 W CHERRY AVE	D2D	NM	\$149.42	200	\$149.15	200	\$149.39	200	\$149.39	200	\$149.39	200	\$149.39	200
				\$24,114.64		\$23,471.92		\$23,528.94		\$23,312.99		\$23,554.90		\$23,286.43	
					193030		188258		186839		185236		185298		183587

Streetlight and Traffic Signal Sector

Electric Use for City Traffic Signals

SERVICE	SERVICE ADDRESS	RATE	METER	07/10 cost	07/10 use	08/10 cost	08/10 use	09/10 cost	09/10 use	10/10 cost	10/10 use	11/10 cost	11/10 use	12/10 cost	12/10 use
0151S41287	W UNIVERSITY & WOODLANDS VILLAGE AVE	E32	E66697	\$54.16	212	\$59.54	233	\$54.22	213	\$56.38	222	\$55.77	239	\$54.24	233
0296S40281	ROUTE 66 & ENTERPRISE	E32	D55377	\$83.63	398	\$82.43	396	\$94.54	460	\$90.88	447	\$77.94	420	\$135.94	829
0311S01286	UNIV HTS DR NO & 89A DR	E32	253682	\$70.02	310	\$67.50	299	\$67.50	299	\$74.31	329	\$63.32	306	\$69.56	336
0351S62289	4198 N HWY 89	E32	948160	\$61.17	259	\$63.03	267	\$61.08	259	\$60.99	259	\$57.77	266	\$57.90	267
0541S11283	BIRCH ALLEY W/O HUMPHREY	E32	D81400	\$49.68	183	\$52.42	187	\$47.45	169	\$48.95	174	\$48.10	182	\$46.57	176
0607S40286	ROUTE 66 & FANNING	E32	588014	\$89.03	433	\$92.10	449	\$88.43	430	\$88.57	432	\$82.25	441	\$82.53	443
0702S70284	ROUTE 66 & STEVES	E32	779039	\$53.30	202	\$57.14	217	\$50.81	191	\$49.42	177	\$51.59	182	\$43.22	162
0986S40280	ROUTE 66 & SWITZER CYN	E32	856399	\$90.71	444	\$89.83	444	\$103.00	515	\$100.88	512	\$92.73	530	\$110.90	643
1193S10287	MILTON & BUTLER	E32	656366	\$48.43	175	\$53.21	192	\$48.23	174	\$50.19	182	\$49.19	190	\$47.76	185
1220S90282	RT 66 & SF/AMTRACK LTS	E32	D89913	\$106.79	548	\$98.96	503	\$108.41	550	\$97.04	487	\$90.91	522	\$116.08	676
1343S01284	BUTLER & BABBITT WAY	E32	656493	\$58.59	236	\$55.92	224	\$62.30	251	\$57.35	229	\$51.13	221	\$58.68	255
1484S90280	RT 66 & POSTAL BLVD	E32	859887	\$73.73	334	\$74.45	344	\$84.36	394	\$82.27	391	\$74.84	397	\$89.90	487
1574S62287	SAWMILL & BUTLER SIGNAL LGT	E32	L21529	\$60.58	249	\$58.40	240	\$63.45	265	\$59.32	248	\$36.14	229	\$62.05	282
1612S70281	CEDAR & 4TH STREET	E32	701034	\$64.89	277	\$69.04	294	\$62.70	268	\$64.83	277	\$69.30	297	\$58.27	274
1661S01284	FOREST & BEAVER SW COR	E32	656485	\$53.99	211	\$59.54	233	\$52.26	205	\$57.72	226	\$55.25	235	\$53.98	231
2007S90286	BUTLER & SAN FRANCISCO SGNL	E32	303482	\$49.93	180	\$48.23	174	\$53.21	192	\$49.98	181	\$43.39	169	\$52.91	207
2556S01288	1801 S MILTON TR SIG	E32	546243	\$48.16	159	\$43.59	144	\$43.59	144	\$48.10	159	\$41.63	145	\$45.49	157
2712S01289	SOLIERE & COUNTRY CLUB	E32	855658	\$59.64	243	\$63.32	257	\$57.32	233	\$59.30	241	\$63.27	258	\$53.43	238
2880S11288	ALLEY BTW ASPEN & BIRCH	E32	C11166	\$50.13	186	\$55.51	207	\$50.07	186	\$51.89	193	\$50.93	203	\$49.40	197
2890S42281	PINE KNOLL & LONETREE	E32	925954	\$65.85	283	\$63.63	274	\$68.80	293	\$64.89	278	\$55.64	260	\$67.76	317
3270S11287	ASPEN ALLEY E/O LEROUX	E32	C11168	\$37.47	104	\$41.33	115	\$37.28	103	\$38.63	107	\$38.95	114	\$37.54	109
3393S10280	ASPEN & HUMPHREYS	E32	684818	\$71.43	324	\$77.87	352	\$72.60	332	\$77.48	359	\$77.58	401	\$77.11	403
3398S11289	CEDAR & TURQUOISE	E32	D29743	\$56.16	225	\$61.69	247	\$54.11	217	\$60.04	241	\$57.12	249	\$55.34	241
3441S91282	COLUMBUS & 180	E32	G98535	\$54.16	212	\$56.91	216	\$51.60	196	\$53.25	202	\$52.40	214	\$50.98	209
3593S01282	RT 66 & WOODLANDS BLVD TR SIG	E32	660972	\$61.87	262	\$63.09	256	\$57.32	233	\$59.58	243	\$59.56	267	\$58.02	261
3598S30283	MILTON & RIORDAN RD	E32	660701	\$47.92	167	\$45.00	158	\$52.85	185	\$47.80	167	\$41.36	154	\$49.82	184
3711S72286	300 S LONETREE RD	E32	L17965	\$75.76	347	\$72.90	334	\$80.50	369	\$75.34	346	\$63.85	321	\$78.22	395
4060S92285	2599 HUNTINGTON	E32	V19496	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$46.52	225	\$88.55	477
4123S62283	3920 N HWY 89	E32	F91288	\$55.18	214	\$56.94	221	\$55.43	216	\$55.36	216	\$53.31	226	\$53.44	227
4126S90282	CEDAR & WEST STREET	E32	A66986	\$60.72	250	\$64.71	266	\$58.40	240	\$59.89	245	\$64.20	264	\$53.86	241
4244S90285	BEULAH & McCONNEL CIRCL	E32	656484	\$69.96	300	\$64.09	277	\$63.79	275	\$69.41	297	\$59.01	274	\$65.00	302
4357S52281	4650 E MARKET PLACE SIG LT	E32	L20029	\$72.49	326	\$70.12	316	\$77.27	348	\$72.57	328	\$64.19	318	\$73.48	365
4463S62284	198 W BUTLER AVE	E32	P23922	\$45.86	1	\$21.54	1	\$23.75	1	\$22.27	1	\$0.00	0	\$45.69	0
4857S41280	WOODLANDS VILLAGE BLVD	E32	E73801	\$61.92	248	\$55.79	223	\$56.08	225	\$61.85	248	\$53.50	233	\$59.49	261
4946S90281	MILTON RD/FOREST MEADOWS	E32	885981	\$51.26	179	\$46.52	163	\$46.39	162	\$51.21	179	\$44.19	164	\$48.29	178
4993S10289	ROUTE 66 & HUMPHREYS	E32	866023	\$40.84	126	\$44.91	138	\$40.80	126	\$42.14	130	\$42.98	144	\$42.24	144
5296S40289	ROUTE 66 & ARROWHEAD	E30	NM	\$165.20	925	\$164.56	925	\$165.59	925	\$164.56	925	\$149.54	925	\$150.56	925
5410S22282	5601 N HWY 89 TRAFFIC SIG	E32	J03390	\$60.43	248	\$62.36	256	\$60.22	247	\$59.94	246	\$56.54	250	\$56.54	250
6406S02287	4TH & HUNTINGTON NE CORNER SIG	E32	855661	\$65.85	283	\$63.47	273	\$70.15	302	\$65.50	282	\$58.02	272	\$65.81	308
6440S32289	3302 E SOLIERE AVE	E32	855455	\$50.08	181	\$53.43	193	\$48.52	176	\$49.71	184	\$17.02	198	\$44.91	180
6488S01286	BEAVER & COLUMBUS	E32	486572	\$47.04	166	\$51.53	181	\$46.67	164	\$48.49	171	\$47.83	180	\$46.15	173
6502S01286	FOREST MEADOWS & BEULAH	E32	498629	\$55.57	207	\$50.07	186	\$50.22	187	\$55.67	208	\$48.38	195	\$53.43	216
6771S70282	4TH ST & 7TH AVE	E32	492660	\$42.35	131	\$45.23	140	\$40.97	127	\$42.33	131	\$44.98	139	\$38.50	127
6788S01286	SAN FRANCISCO & COLUMBUS SIG	E32	351169	\$49.96	185	\$54.90	203	\$49.61	183	\$51.26	189	\$50.40	199	\$48.85	193

Streetlight and Traffic Signal Sector

6914S62288	4148 N COUNTRY CLUB DR SIG LGT	E32	N04643	\$50.86	186	\$52.00	189	\$50.64	185	\$50.43	184	\$48.44	190	\$48.72	192
7067S90284	INDUSTRIAL & STEVES	E32	908603	\$75.76	347	\$77.77	356	\$72.24	325	\$68.56	302	\$65.00	313	\$65.81	319
7131S71281	HWY 180 & FREMONT	E32	444985	\$69.47	297	\$65.29	280	\$60.40	253	\$70.02	301	\$64.53	315	\$66.77	315
7307S90281	BUTLER & BEAVER SIGNAL	E32	923598	\$56.88	225	\$54.85	217	\$61.21	244	\$57.35	229	\$49.45	214	\$60.33	262
7589S32283	2420 E ROUTE 66	E32	514964	\$140.66	758	\$132.58	715	\$131.02	711	\$150.67	824	\$147.32	814	\$149.42	929
7730S10281	ROUTE 66 & VERDE	E32	283326	\$73.12	335	\$80.04	366	\$74.45	344	\$80.25	377	\$83.65	446	\$82.90	446
7976S61282	SAN FRANCISCO/FORREST	E32	444827	\$57.99	237	\$60.22	247	\$60.51	249	\$59.88	240	\$54.29	239	\$59.34	260
8071S12283	3505 S LAKE MARY RD TRAF SIG	E32	H94774	\$53.89	196	\$48.81	178	\$50.80	186	\$48.91	179	\$48.19	188	\$49.86	195
8123S62283	4498 N HWY 89	E32	L20005	\$70.81	315	\$72.98	325	\$70.70	315	\$70.75	316	\$67.16	329	\$67.58	332
8203S21284	WOODLAND & 89A	E32	713978	\$71.34	309	\$64.25	278	\$64.55	280	\$70.94	307	\$60.10	282	\$66.09	310
8842S01280	BUTLER & ENTERPRISE	E32	656459	\$133.84	723	\$123.92	665	\$121.53	635	\$126.12	676	\$110.40	661	\$122.24	727
8849S42287	4TH STR TRAF SIG	E32	J02027	\$51.60	191	\$47.91	172	\$53.21	192	\$50.12	182	\$45.34	178	\$51.94	205
8877S10281	MILTON RD & ROUTE 66	E32	656380	\$48.16	159	\$43.73	145	\$43.89	146	\$48.29	160	\$42.17	149	\$46.70	166
8926S72284	855 E CEDAR AVE	E32	479503	\$62.00	263	\$64.06	272	\$64.99	280	\$62.74	270	\$44.50	261	\$61.58	284
9168S82283	51 W ROUTE 66	STANDARD	V19519	\$0.00	0	\$47.77	0	\$37.89	107	\$57.59	230	\$59.03	256	\$0.00	0
9508S62283	N HWY 89 & MARKETPLACE	E32	F35132	\$81.46	384	\$78.27	369	\$85.31	409	\$80.51	388	\$49.08	376	\$80.01	423
9608S50286	HWY 89 & SMOKERISE	E32	404364	\$51.60	191	\$53.25	197	\$50.80	186	\$51.80	193	\$94.08	529	\$84.93	461
9668S30288	MILTON & PLAZA WAY	E32	096082	\$122.39	649	\$122.85	658	\$126.76	669	\$125.96	675	\$113.26	688	\$139.12	847
9721S11281	ALLEY CHERRY & BIRCH	E32	C44796	\$50.13	186	\$55.23	205	\$49.90	185	\$51.55	191	\$50.79	202	\$48.97	194
				\$4,013.85		\$4,042.53		\$4,012.65		\$4,079.98		\$3,799.30		\$4,150.70	
					17084		17052		17131		17513		18248		19831

Streetlight and Traffic Signal Sector

Electric Use for City Traffic Signals

SERVICE	SERVICE ADDRESS	RATE	METER	1/11 cost	1/11 use	2/11 cost	2/11 use	3/11 cost	3/11 use	4/11 cost	4/11 use	5/11 cost	5/11 use	6/11 cost	6/11 use
0151S41287	W UNIVERSITY & WOODLANDS VILLAGE AVE	E32	E66697	\$58.20	248	\$50.85	218	\$50.04	210	\$53.57	225	\$57.92	230	\$58.24	232
0296S40281	ROUTE 66 & ENTERPRISE	E32	D55377	\$131.43	801	\$132.54	806	\$119.13	717	\$113.29	674	\$133.11	704	\$120.10	630
0311S01286	UNIV HTS DR NO & 89A DR	E32	253682	\$66.14	317	\$65.72	317	\$61.74	296	\$62.17	299	\$70.35	310	\$75.10	331
0351S62289	4198 N HWY 89	E32	948160	\$60.38	277	\$56.02	258	\$54.41	249	\$54.68	251	\$65.13	274	\$61.21	258
0541S11283	BIRCH ALLEY W/O HUMPHREY	E32	D81400	\$50.28	190	\$44.24	169	\$44.44	169	\$47.13	178	\$49.22	174	\$49.38	175
0607S40286	ROUTE 66 & FANNING	E32	588014	\$87.05	465	\$79.97	428	\$78.40	418	\$77.68	413	\$95.01	459	\$88.88	429
0702S70284	ROUTE 66 & STEVES	E32	779039	\$50.25	187	\$44.65	165	\$43.04	160	\$46.20	171	\$101.89	585	\$109.30	565
0986S40280	ROUTE 66 & SWITZER CYN	E32	856399	\$102.62	590	\$105.51	606	\$92.83	524	\$88.33	491	\$101.53	501	\$90.11	437
1193S10287	MILTON & BUTLER	E32	656366	\$50.96	195	\$44.65	172	\$44.88	172	\$48.09	185	\$49.99	179	\$50.29	181
1220S90282	RT 66 & SF/AMTRACK LTS	E32	D89913	\$105.64	612	\$110.50	643	\$96.23	549	\$93.94	532	\$103.93	526	\$100.94	497
1343S01284	BUTLER & BABBITT WAY	E32	656493	\$54.88	240	\$57.41	250	\$52.08	225	\$51.80	223	\$61.41	243	\$57.92	230
1484S90280	RT 66 & POSTAL BLVD	E32	859887	\$82.84	445	\$84.83	453	\$74.42	389	\$71.30	366	\$81.79	374	\$74.39	336
1574S62287	SAWMILL & BUTLER SIGNAL LGT	E32	L21529	\$55.31	250	\$58.59	266	\$53.22	240	\$53.07	239	\$59.23	245	\$63.13	261
1612S70281	CEDAR & 4TH STREET	E32	701034	\$68.67	324	\$61.29	287	\$58.99	278	\$62.85	293	\$60.43	281	\$63.70	272
1661S01284	FOREST & BEAVER SW COR	E32	656485	\$58.07	247	\$50.75	217	\$51.10	218	\$50.70	215	\$60.63	238	\$56.52	221
2007S90286	BUTLER & SAN FRANCISCO SGNL	E32	303482	\$47.24	184	\$50.26	197	\$45.55	177	\$45.42	176	\$50.61	183	\$53.81	194
2556S01288	1801 S MILTON TR SIG	E32	546243	\$42.94	147	\$40.06	138	\$43.06	148	\$40.33	139	\$44.87	146	\$47.73	155
2712S01289	SOLIERE & COUNTRY CLUB	E32	855658	\$57.46	257	\$62.02	276	\$54.65	246	\$54.79	245	\$58.59	262	\$61.03	250
2880S11288	ALLEY BTW ASPEN & BIRCH	E32	C11166	\$53.00	210	\$46.27	184	\$46.48	184	\$46.48	184	\$55.21	203	\$51.70	190
2890S42281	PINE KNOLL & LONETREE	E32	925954	\$60.34	280	\$64.17	300	\$58.22	270	\$58.35	271	\$64.92	275	\$69.97	298
3270S11287	ASPEN ALLEY E/O LEROUX	E32	C11168	\$40.33	117	\$35.18	102	\$35.46	103	\$35.31	102	\$41.21	113	\$38.78	107
3393S10280	ASPEN & HUMPHREYS	E32	684818	\$84.80	443	\$72.91	381	\$71.97	371	\$69.38	352	\$81.48	372	\$74.10	334
3398S11289	CEDAR & TURQUOISE	E32	D29743	\$59.40	257	\$51.94	226	\$52.21	226	\$51.93	224	\$62.18	248	\$58.08	231
3441S91282	COLUMBUS & 180	E32	G98535	\$54.52	221	\$47.75	195	\$48.28	197	\$47.85	194	\$57.23	216	\$53.72	203
3593S01282	RT 66 & WOODLANDS BLVD TR SIG	E32	660972	\$62.02	276	\$54.37	244	\$54.26	241	\$58.47	261	\$61.49	253	\$61.17	251
3598S30283	MILTON & RIORDAN RD	E32	660701	\$44.12	161	\$46.98	173	\$42.82	157	\$42.93	158	\$47.18	161	\$51.14	177
3711S72286	300 S LONETREE RD	E32	L17965	\$70.02	351	\$73.91	372	\$67.20	336	\$66.94	334	\$75.49	343	\$80.39	365
4060S92285	2599 HUNTINGTON	E32	V19496	\$82.70	444	\$108.19	626	\$109.46	646	\$86.28	476	\$92.37	442	\$85.28	406
4123S62283	3920 N HWY 89	E32	F91288	\$55.83	236	\$51.87	220	\$50.32	212	\$50.44	213	\$60.01	234	\$56.04	218
4126S90282	CEDAR & WEST STREET	E32	A66986	\$63.57	286	\$56.78	254	\$54.37	244	\$58.18	259	\$56.08	249	\$58.57	239
4244S90285	BEULAH & McCONNEL CIRCL	E32	656484	\$61.62	284	\$57.48	267	\$61.58	284	\$57.69	266	\$64.77	274	\$69.49	295
4357S52281	4650 E MARKET PLACE SIG LT	E32	L20029	\$67.70	334	\$71.62	355	\$65.01	320	\$65.01	320	\$79.31	358	\$72.05	321
4463S62284	198 W BUTLER AVE	E32	P23922	\$0.00		\$22.15	0	\$45.04	0			\$21.41	0	\$45.92	1
4857S41280	WOODLANDS VILLAGE BLVD	E32	E73801	\$56.30	245	\$52.50	230	\$56.42	246	\$52.36	227	\$58.87	236	\$62.35	249
4946S90281	MILTON RD/FOREST MEADOWS	E32	885981	\$45.56	166	\$42.64	157	\$45.54	166	\$42.93	158	\$47.05	160	\$50.23	171
4993S10289	ROUTE 66 & HUMPHREYS	E32	866023	\$45.23	153	\$39.80	136	\$40.20	138	\$39.66	134	\$46.80	149	\$43.31	136
5296S40289	ROUTE 66 & ARROWHEAD	E30	NM	\$152.22	925	\$149.31	925	\$150.76	925	\$150.76	925	\$166.14	925	\$166.82	925
5410S22282	5601 N HWY 89 TRAFFIC SIG	E32	J03390	\$60.66	266	\$53.17	235	\$53.16	233	\$53.29	234	\$66.24	274	\$62.57	260
6406S02287	4TH & HUNTINGTON NE CORNER SIG	E32	855661	\$60.47	281	\$64.17	300	\$58.35	271	\$58.49	272	\$70.13	299	\$65.69	280
6440S32289	3302 E SOLIERE AVE	E32	855455	\$48.08	193	\$51.71	207	\$45.09	181	\$45.42	182	\$48.38	193	\$50.22	186
6488S01286	BEAVER & COLUMBUS	E32	486572	\$49.74	186	\$43.31	162	\$43.78	164	\$43.78	164	\$52.09	183	\$48.74	171
6502S01286	FOREST MEADOWS & BEULAH	E32	498629	\$50.99	206	\$49.11	205	\$52.58	218	\$49.08	203	\$54.82	210	\$59.56	231
6771S70282	4TH ST & 7TH AVE	E32	492660	\$44.85	147	\$40.02	131	\$38.59	127	\$41.45	136	\$40.00	131	\$41.17	127
6788S01286	SAN FRANCISCO & COLUMBUS SIG	E32	351169	\$52.19	204	\$45.87	181	\$46.35	183	\$46.78	186	\$55.82	207	\$51.70	190

Streetlight and Traffic Signal Sector

6914S62288	4148 N COUNTRY CLUB DR SIG LGT	E32	N04643	\$50.92	200	\$47.29	186	\$45.94	180	\$45.66	178	\$56.88	214	\$53.08	199
7067S90284	INDUSTRIAL & STEVES	E32	908603	\$70.46	338	\$61.66	298	\$62.17	299	\$62.03	298	\$73.99	324	\$69.42	304
7131S71281	HWY 180 & FREMONT	E32	444985	\$86.30	471	\$88.23	478	\$77.58	412	\$73.60	383	\$78.90	365	\$70.76	303
7307S90281	BUTLER & BEAVER SIGNAL	E32	923598	\$53.80	232	\$57.26	249	\$52.08	225	\$51.80	223	\$58.08	231	\$61.88	246
7589S32283	2420 E ROUTE 66	E32	514964	\$139.93	875	\$139.97	864	\$139.12	860	\$125.26	762	\$124.08	748	\$128.08	686
7730S10281	ROUTE 66 & VERDE	E32	283326	\$91.04	489	\$78.71	424	\$77.68	413	\$74.27	388	\$86.91	407	\$77.81	358
7976S61282	SAN FRANCISCO/FORREST	E32	444827	\$59.40	257	\$51.80	225	\$52.08	225	\$52.08	225	\$62.51	250	\$58.69	235
8071S12283	3505 S LAKE MARY RD TRAF SIG	E32	H94774	\$50.09	194	\$46.73	182	\$45.42	176	\$48.49	188	\$50.61	183	\$50.61	183
8123S62283	4498 N HWY 89	E32	L20005	\$70.69	345	\$65.37	320	\$63.66	310	\$63.66	310	\$76.47	340	\$71.60	318
8203S21284	WOODLAND & 89A	E32	713978	\$62.73	292	\$58.31	273	\$62.55	291	\$58.35	271	\$65.84	281	\$70.29	300
8842S01280	BUTLER & ENTERPRISE	E32	656459	\$117.90	702	\$125.24	752	\$114.37	682	\$114.76	685	\$141.35	757	\$133.96	719
8849S42287	4TH STR TRAF SIG	E32	J02027	\$47.78	188	\$50.67	200	\$45.94	180	\$45.66	178	\$53.81	194	\$50.29	181
8877S10281	MILTON RD & ROUTE 66	E32	656380	\$44.05	155	\$40.98	145	\$43.76	153	\$40.90	143	\$45.16	148	\$48.35	159
8926S72284	855 E CEDAR AVE	E32	479503	\$61.80	282	\$54.13	249	\$54.56	250	\$54.68	251	\$65.75	278	\$61.84	262
9168S82283	51 W ROUTE 66	STANDARD	V19519	\$54.82	274	\$53.86	240	\$55.10	247	\$57.66	255	\$61.03	250	\$59.48	240
9508S62283	N HWY 89 & MARKETPLACE	E32	F35132	\$73.40	385	\$77.70	410	\$70.64	370	\$70.77	371	\$91.64	438	\$73.98	351
9608S50286	HWY 89 & SMOKERISE	E32	404364	\$89.56	478	\$76.54	408	\$74.70	391	\$71.84	370	\$83.37	384	\$75.18	341
9668S30288	MILTON & PLAZA WAY	E32	096082	\$124.59	751	\$128.34	775	\$113.42	675	\$106.73	626	\$119.81	628	\$121.11	627
9721S11281	ALLEY CHERRY & BIRCH	E32	C44796	\$52.71	208	\$46.13	183	\$46.35	183	\$46.21	182	\$55.21	203	\$51.85	191
				\$4,158.59		\$4,041.96		\$3,908.83		\$3,798.99		\$4,383.72		\$4,298.80	
					19964		19495		18550		18037		19245		18419

Other Sector

Municipal Cogen Unit Operations

Gas Stream Flow Rate	5.564 scf/hr ¹
Operation Hour	6,430 hrs/year ²

Digester Gas Stream Composition

Gas Stream Constituents	Molecular Weight (lb/lbmol)	Gas Stream Composition ¹	
		Mole Percentage (%)	ppmv
O2	32	0.85	8,500
N2	28	4.61	46,100
CO2	44	36.95	369,500
CH4	16	57.58	575,800
hexane	86.18	0.01	100

Municipal Cogen Emissions

Pollutant	Hourly Emission Rate (lb/hr)	Annual Emission Rate (short ton/yr)	Global Warming Potential ¹	CO2e Emissions (metric ton/yr)
CO2	0.23	0.75	1	0.68
CH4	0.13	0.43	21	8.15
N2	0.02	0.06	-	-
N2O	-	-	310	-
Total	-	-	-	8.83