

# City of Chandler Electrical Use by Department

Reduce electrical use by 10% in CY 2009

	2007 KWH Usage	10% KWH Reduction and 2009 KWH Goal	Projected KWH Unit Cost (Rate)	Projected Savings at 10% reduction
General Government	833,660	750,294	\$0.1011	\$8,426
Management Services	1,362,594	1,226,335	\$0.1117	\$15,215
Planning & Development	492,080	442,872	\$0.1313	\$6,462
Community Services	6,222,354	5,600,119	\$0.1123	\$69,847
Police	3,223,517	2,901,165	\$0.1947	\$62,764
Fire	2,681,659	2,413,493	\$0.1098	\$29,450
MUD	60,981,038	54,882,934	\$0.0830	\$506,216
Public Works	25,061,840	22,555,656	\$0.0945	\$236,916
<b>Total</b>	<b>100,858,742</b>	<b>90,772,868</b>		<b>\$935,295</b>

# City of Chandler Natural Gas Use

## Reduce natural gas use by 5% in CY 2009

◆ SW Gas 4.81 % rate increase

	<b>2007 therm</b>	<b>5% therm reduction &amp; goal for 2009</b>	<b>projected \$ per therm</b>	<b>total potential savings</b>
<b>General</b>	N/A	N/A	N/A	N/A
<b>Management</b>	8,015	7,614	\$1.832	\$734
<b>Planning</b>	4,477	4,253	\$1.641	\$367
<b>Community</b>	4,428	4,207	\$2.050	\$454
<b>Police</b>	15,563	14,785	\$1.718	\$1,337
<b>Fire</b>	21,388	20,319	\$1.815	\$1,941
<b>MUD</b>	N/A	N/A	N/A	N/A
<b>Public Works</b>	5,868	5,575	\$1.628	\$478
<b>Total</b>	59,739	56,752	\$1.778	\$5,311

# City of Chandler Motor Fuel Use

## Reduce fuel use by 10% in CY 2009

	<b>2007 Gallons Used</b>	<b>10% reduction Gallons</b>	<b>Projected fuel cost \$/gallon</b>	<b>Projected Savings at 10% reduction</b>
General	11,442	10,298	\$2.00	\$2,288
Management	14,599	13,139	\$2.00	\$2,920
Planning	21,694	19,525	\$2.00	\$4,339
Community	58,283	52,454	\$2.10	\$12,239
Police	287,898	259,109	\$2.00	\$57,580
Fire	66,667	60,000	\$2.25	\$15,000
MUD	106,202	95,582	\$2.10	\$22,302
Public Works	118,222	106,399	\$2.10	\$24,827
<b>Total</b>	<b>685,006</b>	<b>616,505</b>		<b>\$141,495</b>

- ◆ Price data based on 12/9/08 DOE / Energy Information Administration Short-term Energy Outlook - Gas \$2.00/ Gallon, Diesel \$2.50/ Gallon
- ◆ Price proportional to relative volume of diesel used in 2007

# City of Chandler Water Use

- In 2007, City facilities (377 accounts) used 432,074,000 gallons of potable water
  - \$1,044,295
  - 2008 tiered rate increases average ~2%
  - Same volume of water would cost \$1,065,181
- 5% reductions:
  - Potable water - 410,470,300 gallons
  - Total of \$1,011,922 or \$53,259 less

# Reduce volume of trash hauled from City Facilities by 5%

- City pays twice for everything we buy
  - Original purchase – then disposal
- Pollution Prevention Hierarchy
  - 1) Waste reduction
    - Purchase with waste reduction in mind
    - Extend service life of office equipment and supplies
  - 2) Reuse – cost avoidance
  - 3) Recycle – \$ to City coffers
  - 4) Disposal - last resort –incurs expense

# Reduce volume of trash hauled from City Facilities by 5% (2)

- Measurable – we pay for disposal by weight
  - 2007 City facilities generated 665 tons of trash
  - Removal and disposal cost the City- \$82,876
    - ~ \$125/ ton in 2007
- 5% reduction based on 2007 quantities
  - 632 tons of trash at a total cost of \$78,733
  - Cost savings of \$4,143