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Sustainability Strategies 2009



Kermit The Frog:

“It’s Not Easy Being **GREEN**”



...or is it?

City Sustainability Goals 2009

- Improving the City's practices to preserve resources
- Renewing our emphasis as stewards of the public funds

Why is this important?

Times Are Tough:

- Preserve City Funds
- Preserve Natural Resources
- Energy Prices/Instability

What's Being Done Now?

City Teams Reviewing:

- Buildings & Facilities
- Fleet
- All Things Green

How can we be more sustainable?

- Reduce Electrical Use By 10%
- Reduce Natural Gas Use By 5%
- Reduce Gasoline Use By 10%
- Reduce Diesel Use By 10%

How can we be more sustainable?

- Reduce Water Use By 5%
- Reduce Paper Use By 15%
- Reduce Trash From City Facilities
by 5%

Is conserving energy really worth our time and effort?

YES!

| <u>Initiative</u> | <u>Projected Cost Savings</u> |
|-------------------|-------------------------------|
| ■ Electric | \$935,295 |
| ■ Natural Gas | \$ 5,311 |
| ■ Fuel | \$141,495 |

Is conserving energy really worth our time and effort?

YES!-Conserving energy makes sense-a lot of cents

| <u>Initiative</u> | <u>Projected Cost Savings</u> |
|-------------------|-------------------------------|
| ■ Paper | \$ 9,636 |
| ■ Water | \$ 53,259 |
| ■ Trash | \$ 4,143 |
| ■ Total | \$1,149,139 |

We all can save electricity by:

- Turning off lights when you leave office, meeting room, break room
- Eliminating some fluorescent lights
- Turning off monitors, computers and printers every evening - put them on a power strip
- Eliminating auxiliary electrical appliances, i.e. space heaters, personal refrigerators
- Think about it-what else can you and your department do?

How do we save natural gas?

- Make use of passive solar energy by opening window coverings on sun-facing windows when the sun is shining.
- Set the thermostat to a lower temperature, and wear warmer clothing
- Master the cold water wash for your hands

How can we save fuel?

- Avoid idling, even at start-up
- Take your vehicle for maintenance according to Fleet's recommendations
- Keep highway speeds reasonable
- Eliminate unnecessary weight in the vehicle

How can we save fuel?

- Ensure proper tire inflation
- Park in the shade
- Share rides to meetings whenever possible
- Avoid unnecessary trips and plan ahead
- Drive smoothly and maintain a steady speed

How can we save water?

- Simple technology works
 - ✓ Low flow fixtures / Xeriscape
 - ✓ Reclaimed water
 - ✓ Reduce water in medians, landscape and parks
- All City facilities use City Water

How do we save water?

- When we conserve City water, we get multiple ‘wins’
 - ✓ Lower water bills
 - ✓ Good public relations
 - ✓ Less water for MUD to produce
 - ✓ Cost savings in electricity, chemicals and raw water

Why should we reduce our paper consumption?

- Using less paper is the easiest and most important step an organization can take to protect the environment.
- Using less paper also carries with it the added bonus of saving the organization real dollars.
- Using less paper saves trees, energy and water
- Papermaking uses 10% of the energy used in industry-and it's a big polluter

How can we save paper?

- Be more conscious about your paper usage
- Set default duplex printing on your computer
- Use electronic documents (.pdfs), and scanned documents
- E-mail (don't print)
- Smartboard agendas, paperless meetings
- Electronic document management systems

Why it is important to generate less trash

- **City pays twice for everything we buy!**
 - ✓ When we buy it and when we dispose of it

Why it is important to generate less trash?

How do we do it?

- Purchase with waste reduction in mind
 - ✓ Extend service life of office equipment and supplies
 - ✓ Reuse – cost avoidance
 - ✓ Recycle – \$ to City coffers
 - ✓ Disposal - last resort –the City pays the cost

What's Next?

■ Become involved

- ✓ Be more mindful of your energy consumption
- ✓ Read Green Chanweb and submit your ideas
- ✓ Talk with your coworkers about new energy-saving ideas
- ✓ Start incorporating changes into your daily work routine
- ✓ Spread the word and share your successes
- ✓ I will have monthly updates of our progress

It Is Easy Being GREEN...!

I am here to help. Let's work together to save
money and resources

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