

***Texas Lottery Commission  
Resource Efficiency and Fuel Management Plan  
Executive Order RP-49***

***Quarterly Update: January 2008***

***Planned Energy Conservation Initiatives***

The TLC is committed to improving our conservation of electricity, natural gas and gasoline through the following initiatives:

- Implement a statewide energy awareness campaign to:
  - Educate TLC employees about energy best practices.
  - Promote a “Turn It Off” campaign.

Update: The agency’s energy conservation plan was outlined during an all staff meeting in December, 2005. An energy conservation team was established to develop the “Turn It Off” campaign. The “Pick 6” Conservation Campaign was launched in May, 2006. The components of the campaign included:

- Weekly Checklist – 15 energy-saving actions that employees can complete each week
- All Staff Meetings – campaign updates at the all staff meetings
- Signage – notices throughout the building to remind staff of energy-saving activities.

In February 2007, the energy conservation coordinator sent out an agency wide email to remind staff of energy saving initiatives and outline future plans for the program. During the May 2007 all staff meeting the energy conservation initiative was re-launched. New signs were distributed throughout the building that included energy saving ideas.

- Implement customized energy efficiency plans for our computer and warehouse facilities. This includes expanding the web-based monitoring for the heating and cooling systems.

Update: In July 2007, the TLC implemented OrcaWeb to manage the headquarters computer room and the drawing studio HVAC systems through a web browser. The Orca Web server provides the following functionality:

- Web browser capabilities to view real time operation of HVAC, UPS and water detection systems in drawings studio and computer room.
- Custom system graphics, monitoring equipment status, alarms and adjusting set points.
- Email alerts to facility staff.

Future functionality will include:

- Monitoring devices to the HVAC, UPS, generator and water detection systems at warehouse #2.
  - Ability to adjust the headquarters computer room HVAC system from remote.
  - Monitoring application at main building safety and security console.
  - Monitoring application to include the FM-200 sensors.
- Continued participation in state and local energy conservation seminars and symposiums.

Update: The agency's energy conservation coordinator attended a conference on August 9, 2006 sponsored by the Texas State Energy Conservation Office. Data and recommendations gathered at that conference are being used to help the agency develop and implement energy-saving initiatives.

- Initiate facility remodel projects to three claim centers that will include best practices learned from past TLC's energy conservation efforts.

Update: The following claim centers have been relocated and/or remodeled. The new facilities were designed to include best practices learned from past TLC's energy conservation efforts.

- McAllen – September 2005
- Beaumont – March 2006
- Lubbock – July 2007
- San Antonio – December 2007

The following facility changes are planned for fiscal year 2008 that should result in energy savings:

- Houston – relocate to new facility and downsize office space
- Lubbock – lessor to install new thermostat to better manage facility temperature

- Consider the elimination or reduction in use of personal appliances including the following:
  - space heaters (1592 watts per unit)
  - small refrigerators (384 watts per unit)
  - microwaves (1200 watts per unit)
  - coffee pots (93 watts per unit)
  - small fans (49.5 watts per unit)

Update: The agency's "Pick 6" Conservation Campaign encourages employees to turn off personal appliances and/or consolidate multiple appliances in a common area. The agency is developing guidelines for the use of these appliances to be implemented March 2008.

- Expand the installation of motion sensors in all newly remodeled spaces.
- Analyze and trend utility bills to identify large fluctuations in consumption, locate

potential billing errors, and analyze current consumption trends.

Update: The TLC is tracking cost and usage data from September 2003 to present. TLC analyzes utility bills to identify large fluctuations in consumption, locate potential billing errors and analyze current consumption trends to determine if cost efficiencies can be gained.

### ***Energy Savings Goal***

TLC has a goal to reduce electric and natural gas energy consumption by 1%.

#### Update:

The attached chart is provided to show energy consumption at the headquarters facility for fiscal years 2004 through 2007. In year over year comparisons, the TLC reduced energy consumption from FY04 to FY05 by 9.4% and from FY05 to FY06 by an additional 4.1%. However, energy consumption increased in FY07 by 15.8%.

In October 2007, the TLC met with property management staff for the headquarters building to review the energy consumption charts and discuss ways to improve energy management. In January 2008, the lessor committed to replacing the main HVAC system for the headquarters building in fiscal year 2008. It is anticipated this project should considerably impact the agency's energy conservation efforts.

TLC remains committed to energy conservation. At this time, the agency does not anticipate increasing the percentage goal for reducing its usage of electricity, gasoline and natural gas. However, the agency's energy conservation team continues to research energy saving options and will recommend implementation of those initiatives that are appropriate for the agency.

## **Fleet Fuel Management Plan**

### ***Recent Initiatives***

As required, TLC implemented the Office of Vehicle Fleet (OVM) Management Plan in February 2001 and reduced its fleet and overall fuel consumption significantly. Since implementing the OVM plan, TLC has successfully:

- Reduced its fleet from 5 to 2 vehicles.
- Completely eliminated our medium use delivery trucks.
- Reduced overall vehicle fuel consumption by 38%.
- Operates one vehicle utilizing alternative fuel.

### ***Ongoing Fuel Conservation Efforts***

TLC has numerous ongoing initiatives to minimize fuel use in all vehicles and promote fuel conservation. These initiatives include:

- Fleet management staff participates in state and local energy conservation seminars and symposiums.

- Ongoing education of fleet management staff on fuel-efficient operating practices.
- Fleet management procedures that employ a:
  - preventative maintenance program
  - vehicle operator safety awareness and best practices
  - vehicle replacement schedule

***Fuel Energy Savings Goal***

TLC is evaluating a hybrid vehicle or the most fuel efficient vehicle to replace the one vehicle that is not currently an alternative fuel vehicle.

**Headquarters**

| FY   |       | Sep.    | Oct.    | Nov.    | Dec.    | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    | Total     |
|------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
| FY04 | Usage | 180,000 | 155,500 | 157,500 | 149,000 | 153,000 | 134,500 | 133,000 | 158,500 | 143,500 | 174,000 | 177,500 | 169,000 | 1,885,000 |
| FY05 | Usage | 170,000 | 148,500 | 139,000 | 133,500 | 123,500 | 112,500 | 127,000 | 124,000 | 127,000 | 166,500 | 167,500 | 169,000 | 1,708,000 |
|      | % Chg | -5.6%   | -4.5%   | -11.7%  | -10.4%  | -19.3%  | -16.4%  | -4.5%   | -21.8%  | -11.5%  | -4.3%   | -5.6%   | 0.0%    | -9.4%     |
| FY06 | Usage | 146,500 | 146,500 | 121,000 | 128,000 | 118,500 | 116,000 | 136,000 | 127,500 | 134,500 | 160,000 | 169,500 | 133,500 | 1,637,500 |
|      | % Chg | -13.8%  | -1.3%   | -12.9%  | -4.1%   | -4.0%   | 3.1%    | 7.1%    | 2.8%    | 5.9%    | -3.9%   | 1.2%    | -21.0%  | -4.1%     |
| FY07 | Usage | 133,500 | 211,000 | 137,000 | 152,000 | 137,500 | 146,500 | 144,500 | 147,000 | 147,000 | 172,000 | 173,500 | 194,000 | 1,895,500 |
|      | % Chg | -8.9%   | 44.0%   | 13.2%   | 18.8%   | 16.0%   | 26.3%   | 6.3%    | 15.3%   | 9.3%    | 7.5%    | 2.4%    | 45.3%   | 15.8%     |

**Headquarters Utility Usage**

