



# Energy Edge

A NEWSLETTER FOR MEMPHIS LIGHT, GAS AND WATER DIVISION COMMERCIAL CUSTOMERS

NOVEMBER 2006

## Business Energy Advisor content updated

Businesses interested in saving energy or learning about new product technology have additional resources, via updated Business Energy Advisor content on MLGW's website.

**Commercial Energy Advisor** reports have been updated for the following industry types: hospitals, limited-service motels (without kitchens and laundries), office buildings, restaurants, retail, schools and groceries. In addition, a new report for religious congregations was recently added.

Two new **Purchasing Advisor** reports have been added to the 50-plus technologies already available. The Motors section now contains a report on elevators, while the HVAC section holds new information on air-source electric heat pumps.

Business Energy Advisor is a comprehensive information source that offers tips for reducing energy consumption in your operation, as well as developing long-term energy strategies. The Purchasing Advisor content assists companies that are considering equipment replacement and want to review objective, third-party information to assist in their buying decisions. All content is provided by E-Source, an energy trends and research organization of which MLGW is a member.

Business Energy Advisor can be accessed from [www.mlgw.com](http://www.mlgw.com), by selecting Commercial & Industrial, then Energy-Saving Tools.

## Energy-efficient lighting strategies to be discussed at customer workshop

Seats are still available for a workshop on Energy-Efficient Commercial and Industrial Lighting, co-sponsored by MLGW and Tennessee Tech University. The workshop is slated for 11/20/06, from 8:00am to 5:00pm.

The one-day workshop is designed to teach facility engineers, plant operators and maintenance staff about the fundamentals of energy-efficient lighting and power factor correction. Discussion topics

### Purchased Gas Adjustment (PGA)

Rate	Consumption	Demand
G-1 residential	\$0.4144	na
G-7	\$0.3319	na
G-8 / G-9	\$0.3158	(\$0.0843)
G-10 / G-12	\$0.2525	na

Adjustment in \$/Ccf to published rates for bills rendered on or after 10/24/2006.

### Interesting Webs....



Environmental Protection Agency (EPA) featuring info about energy and environmental programs, including the newly released "2007 Fuel Economy Guide" for vehicles

[www.epa.gov](http://www.epa.gov)



### Important Contact Information:

Commercial Resource Center:

Monday-Friday

7:30am to 5:00pm Central

Phone: 901-528-4270

Fax: 901-528-4547

E-mail: [crc@mlgw.org](mailto:crc@mlgw.org)

Emergency: 901-528-4465

Outage: 901-544-6500

include lighting terminology, the application and benefits of various lighting sources, lighting controls, optimizing lighting system performance and understanding electric power factor and methods for power factor correction.

The event will be held at MLGW's Training and Development Center, 4949 Raleigh-LaGrange Road. Continental breakfast and lunch will be provided. Registration cost is \$20 per person, payable in advance or at the door. (Please arrive early and be prepared to show photo identification at the security desk in the lobby.)

If you are interested in attending, contact Glenn Cunningham at Tennessee Tech, [gcunningham@tntech.edu](mailto:gcunningham@tntech.edu)

## **MLGW presents preliminary 2007 budget to City Council**

### **80% of budget allocated for electricity and gas purchases; 20% for O&M**

MLGW executives presented the preliminary 2007 operating budget to the Memphis City Council, the first step in the municipal utility's budget approval process. The \$1.7 billion budget excludes MLGW rate increases for the third straight year.

Highlights of the 2007 budget, which begins with MLGW's fiscal year on 1/1/07, include:

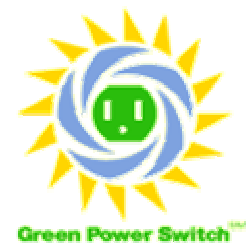
- Total operating expense budget: \$1.7 billion
- Total capital budget: \$107.4 million
- Reduction of long-term debt: \$85.3 million
- 15 new lineman positions added
- 3% overall wage increase
- 80% of budget is allocated to electricity and gas costs, with the remaining 20% representing MLGW's Operations and Maintenance costs.

While MLGW does not plan any operational increases in its base rates for 2007, the budget does not preclude rate increases by MLGW's suppliers. In addition, it is important to realize that the Purchased Gas Adjustment (PGA) and new TVA Fuel Cost Adjustment (FCA) will continue to fluctuate with market prices and other economic forecasts. These varying charges are not part of MLGW's base rate.

The budget was approved by MLGW's Board of Commissioners on 10/19/06 and is slated for approval by the City Council at its 11/21/06 meeting.

## **Green Power Switch enrollment rising as customers embrace environmental benefits of renewable energy**

As National Energy Awareness Month (October) draws to a close, interest in TVA's Green Power Switch renewable energy program continues to grow. As of 10/31/06, 486 customers are enrolled, sponsoring the monthly generation of 2,794 blocks—or 419,100 kWh—of green power. Non-residential customers represent just 5% of participants, but account for 64% of kWh output.



At current enrollment levels, MLGW's customers will be responsible for annual avoided emissions of: 3,762 tons carbon dioxide (CO<sub>2</sub>), 25 nitrogen oxides (NO<sub>x</sub>) and 10 tons sulfur dioxide (SO<sub>2</sub>). In consumer

terms, these green power supporters have the same impact as recycling 21 million aluminum cans or 1,233 tons of newspaper, or planting 1,397 acres of trees, or removing 466 cars from the road for one year.

Two of TVA's 18 Green Power Switch generation sites are located in Shelby County. A collaboration between the City of Memphis and TVA delivers methane gas, a natural byproduct of the wastewater treatment process and a potent greenhouse gas, to TVA's Allen Fossil Plant, where it is co-burned with coal to generate electricity. The use of methane reduces TVA's coal consumption by more than 20,000 tons annually—having an immediate impact on local air quality. TVA also generates solar power using a 25-kW photovoltaic system on the roof of the BRIDGES Center at Auction and Fifth. Designed for a maximum output of 45,000 kWh annually, the solar array produced approximately 38,500 kWh during its first year of operation. Hourly power generation statistics for the BRIDGES site, as well as TVA's 15 other solar sites, can be tracked at <http://www.tva.com/greenpowerswitch/pvdata/116/current.htm>

Green Power Switch participation is available to all MLGW customers, as well as customers of other participating TVA distributors. While residential customers can sponsor any number of blocks, the minimal participation level for businesses and organizations is determined by the facility's annual electric consumption and demand. A list of local businesses and organizations enrolled in Green Power Switch is available at <http://mlgw.com/frameset.php?head=res&content=greenpower>. For information about Green Power Switch, visit [www.greenpowerswitch.com](http://www.greenpowerswitch.com) and [www.mlgw.com](http://www.mlgw.com). To enroll your business or organization, contact call MLGW's Green Power Switch hotline at 901-528-4549, or email [greenpowerswitch@mlgw.org](mailto:greenpowerswitch@mlgw.org)

## Identify energy waste and find improvement recommendations using Business e-Valuation online analysis tools

As cold weather approaches, many businesses and organizations are looking for ways to control winter energy costs, particularly those associated with space heating. Often, the biggest savings opportunities are the most obvious—controlling thermostat settings and weatherizing the building envelope.

MLGW offers a variety of online energy analysis tools designed to assist small to mid-size businesses in learning about their energy consumption, identifying waste and developing energy action plans for long-term improvements.

The Business e-Valuation suite of tools includes access to case studies by industry, benchmarking among multiple facilities, fast track audit, detailed audit and My Energy Action Plan, which enables users to select energy-saving measures, then track the status of implementation. Reports can be downloaded and printed for sharing with others.

If you prefer printed materials, contact MLGW to request a copy of *Saving Energy Dollars: No Cost / Low Cost Solutions for the Small Business*. This 13-page booklet provides energy recommendations for your heating, ventilation and air conditioning (HVAC) system, building envelope, lighting, hot water system and other equipment. Contact MLGW's Commercial Resource Center at 901-528-4270 or email [crc@mlgw.org](mailto:crc@mlgw.org) to request your copy today.

Business e-Valuation is available at [www.mlgw.com](http://www.mlgw.com) under Commercial / Industrial, then Energy-Saving Tools. Further information can be found under the related links for Business Energy Advisor.