

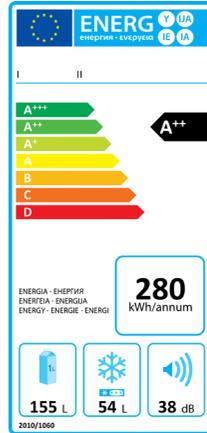


## Buy For Efficiency

New equipment and appliances offer opportunities for improved energy efficiency. Ensure that you consider the lifetime operating cost of the equipment when deciding to purchase.

Keep abreast of changes in technology that may provide an advantage to your business.

Use equipment rated at 230V 50Hz to avoid the use of intermediate transformers or other voltage conversion equipment that can increase running costs.



## Routine Maintenance



Maintenance of energy-consuming equipment is critical to ensuring optimum energy efficiency. Many maintenance items do not require specialized training and can be done in-house.

*Here are some key items to incorporate into your business maintenance routine:*

- Adhering to a maintenance schedule in keeping with manufacturers guidelines can help extend the life of your equipment and reduce operating costs.
- Check to be sure all automatic controls are set and operating correctly.
- Clean all filters in your heating and cooling system monthly (or based on equipment usage as indicated by the equipment maintenance manual).
- Check and regularly clean filters if you use exhaust fans.
- Caulk or weather-strip doors and windows.
- Regularly clean and maintain food refrigeration equipment.



# Energy Management

for Commercial and Industrial Customers



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As conflict and other activities around the world increase the volatility of the cost of goods and services, including electricity, Grenada Electricity Services Ltd. (Grenlec) continues to encourage customers to conserve electricity and manage their costs. Our commercial and industrial customers use energy mainly for cooling, lighting, office equipment, and specialized machinery. We advise you to consider energy efficiency from design and installation to operations and maintenance, and eventually the retirement and replacement criteria.

METER READINGS		NO. OF DAYS	USAGE THIS PERIOD (kWh)	TYPE OF SERVICE	NON-FUEL	FUEL	DEMAND / FLOOR AREA	DUE DATE	CURRENT ELECTRICITY CHARGES
PREVIOUS	CURRENT								
60000	60150	30	150		\$60.93	\$62.19			\$123.12
<b>RATES / kWh (unit)</b>		<b>VARIABLE usage (kWh)</b>			<b>BILLING DETAILS</b>				
FUEL	\$0.6468	→ $\$0.4428 \times 150 \times 15\% = \$9.97$			PREVIOUS BALANCE	\$180.00			
NON-FUEL	\$0.4428				LESS PAYMENT	\$180.00			
<b>GOVERNMENT CHARGES ECS</b>					ADJUSTMENTS	\$ 60.00 (Transfer fee)			
ENVIRONMENTAL LEVY	\$10.00	→ $\$60.00 \times 15\% = \$9.00$			BROUGHT FORWARD				
VAT (non-fuel) 15%	\$ 9.97				ELECTRICITY CHARGES	\$123.12			
VAT (other) 15%	\$ 9.00				GOVERNMENT CHARGES	\$ 28.97			
					TOTAL CURRENT CHARGES	\$212.09			
					<b>TOTAL AMOUNT DUE</b>	<b>\$212.09</b>			

**SAMPLE BILL**

Here are some basic steps that can help reduce energy consumption and manage energy costs:

### Track Your Energy Costs



Review your energy usage and understand how your business consumes energy. This involves taking readings of your meter, tracking monthly energy consumption and correlating it with business activities and equipment use. Grenlec's monthly bill provides an average daily consumption (kWh or unit) for the past eight months.

### Energy Audit



Energy auditors can analyse everything from your company's energy policies and organisational structure to the operations and maintenance of each major energy appliance. The audit will recommend specific changes and show the potential cost/savings implications.

To assist you, our Customer Service Team can provide a summary of your usage history.



### Monitor How You Use Energy

Significant energy savings can be achieved by simply changing how you and your employees use energy. Here are some suggestions:

#### Lighting

- Remember to turn off outside safety and security lighting at the start of each day.
- Install occupancy sensors in hallways, bathrooms, meeting rooms, kitchens, storage rooms, and other areas where lights can be switched off for blocks of time.
- Install photocells in outdoor entry, and security lighting to automatically turn on when it gets dark.
- Install LED (light-emitting diode) exit signs in place of incandescent signs. LED signs last up to 15 times longer, and use much less energy.
- Replace incandescent light bulbs with LED bulbs.

#### Cooling

- Use natural ventilation and alter the thermostat on air conditioning units. Ensure that air conditioned areas are sealed.
- Install thermostats that allow you to control your cooling system. Settings can be changed for different days of the week, weekends and holidays.

#### Other

- Many people are environmentally conscious. Invite your customers to participate in a green project to promote conservation.
- Ensure that you are utilising power efficiently. When it is possible, turn equipment off, instead of leaving on standby.
- Install reminder labels and use available technologies to do this automatically after periods of inactivity (e.g. the power management options of your PCs).
- Get your team members involved. Ask for their ideas, monitor and provide incentives for adherence and celebrate achievements.

### Troubleshoot Problem Areas



If you suspect that equipment is malfunctioning, running too long, or not operating properly, get it fixed quickly.

Advancing  
Renewable  
Energy

Grenlec's Renewable Energy Installations and Customer Renewable Energy Interconnection Programme help support a sustainable energy future.