



# Energy Usage & Management

Tips & Resources for Your  
Business – May 2020

# We're here to help during this difficult and unsettling time

- In addition to providing a **May bill credit** of approximately 25% and offering **payment assistance**, FPL will work with you to make sure your lights stay on
- We have implemented measures, such as suspending electrical disconnections, providing payment extensions and waiving certain late payment fees for customers in a hardship situation – policies that will remain in effect while Florida is under a state of emergency



# We're here to help during this difficult and unsettling time

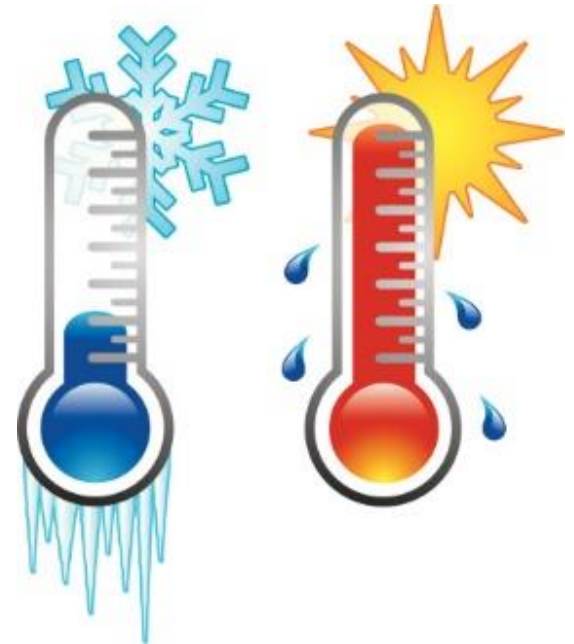
- For customers experiencing hardship as a result of COVID-19, we have resources from FPL available to help. Visit us frequently at [www.fpl.com/business/coronavirus.html](http://www.fpl.com/business/coronavirus.html) for the latest COVID-19 updates or contact a Business Energy Expert at [BEE@FPL.com](mailto:BEE@FPL.com) or **800-375-2434**
- We encourage you to explore **resources** available to learn about Coronavirus Aid, Relief, and Economic Security (CARES) Act. We'll continue to help connect customers with appropriate resources from federal, state and local agencies
- Consider our **tips and tools** to help manage energy usage and expenses



# We have energy saving tips and tools that can help you manage your bill

## Heating, Ventilation, and A/C

- There is a direct connection between outdoor temperatures and energy usage. During warmer months, air conditioning systems run longer to keep your business cool
- On average, HVAC energy use accounts for 40-70 percent of a commercial energy bill each month – and about 50 percent on an annual basis
- Avoid overcooling underutilized spaces



# We have energy saving tips and tools that can help you manage your bill

## Heating, Ventilation, and A/C (cont'd)

- Raise thermostat settings to reduce consumption while still maintaining appropriate humidity control (typically, 65% relative humidity or less)
  - As a rule of thumb, you can get about a 3 percent HVAC savings for each degree you raise the thermostat setting
  - In most cases we recommend raising the temperature to 82 degrees or higher when unoccupied, however, consider turning the A/C completely off if humidity control is not a concern
  - Keep in mind that raising settings may not be appropriate for all applications (for example candy stores, libraries, art work and any location that is temperature or humidity sensitive)
  - Use shades and blinds to reduce direct heat gain



# We have energy saving tips and tools that can help you manage your bill

## Heating, Ventilation, and A/C (cont'd)



- Programmable thermostats can help reduce air conditioning costs during unoccupied hours
- Regularly change HVAC filters and tune-up your HVAC units (clean coils and check refrigerant charge)
- If facility is shut down or unoccupied, you may be able to
  - Reduce outside air intake system
  - Turn off or reduce exhaust air systems
  - As always, check local codes for allowable minimums
- Another valuable resource is ASHRAE (The American Society of Heating, Refrigerating and Air-Conditioning Engineers)
  - Visit [www.ashrae.org/COVID19](http://www.ashrae.org/COVID19)

# Additional quick and effective ways to help conserve energy and trim costs

## Equipment considerations for partial occupancy

### Plug Load

- Unplug or turn off unnecessary appliances (breakroom equipment, water coolers, etc.)
- Turn off water heater
- Turn off office equipment such as, computers, printers, copy machines, or set them to “sleep mode” when not in use

### Pumps

- For pools that are closed, consider reducing pump runtime to minimum needed to maintain water quality and code compliance



# Additional quick and effective ways to help conserve energy and trim costs

## Equipment considerations for partial occupancy (cont'd)

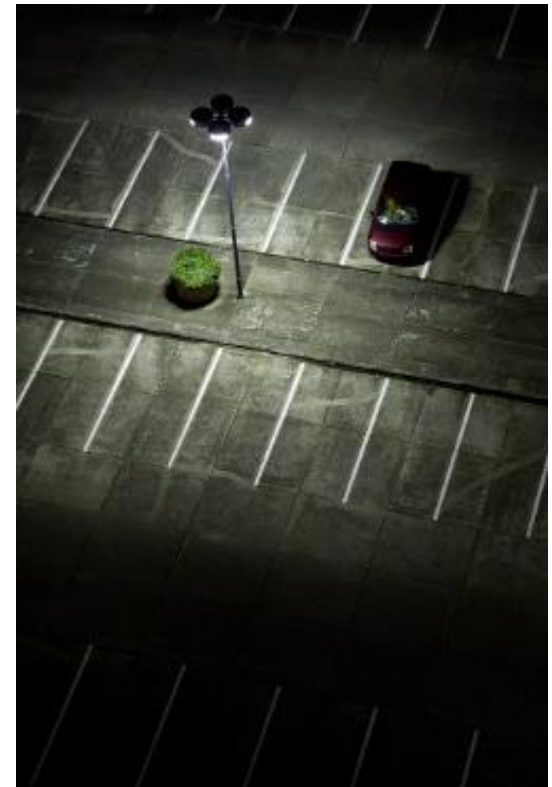
### Refrigeration

- Consider consolidating and turning off unused refrigeration equipment. Examples include refrigerators, vending machines, walk-in coolers, ice machines, etc.

### Lighting

- Turn off lights if not needed for safety or emergency lighting purposes
- Adjust lights where practical in parking lot and garage

*For a more complete list of equipment, please visit [FPL.com](http://FPL.com)*





# Manage your energy and see your actual cost and usage using online tools

## Additional Tips

- Visit your **Business Energy Dashboard** on FPL.com to track improvements, and identify usage trends, including your peak electrical demand



# We have some energy management tips while working from home as temperatures rise



- ✓ Cool your home at 78° F or higher with the thermostat fan switched to auto. Try 82° F or warmer when you're away



- ✓ Check and replace your AC filter frequently

- ✓ Turn off your ceiling fan when you leave the room

- ✓ Lower the temperature on your water heater

- ✓ Reduce your pool pump's run time by two hours or more a day, and reduce the pool's heating costs



- ✓ Switch to more efficient lighting

- ✓ LED bulbs last three times as long as CFL bulbs, and use a fraction of the energy

- ✓ Use dimmer switches inside to match your lighting level to your need



- ✓ Turn off electronics when not in use (Game Systems, TVs, etc.)

Visit [FPL.com](http://FPL.com) to activate your Energy Analyzer and track your usage



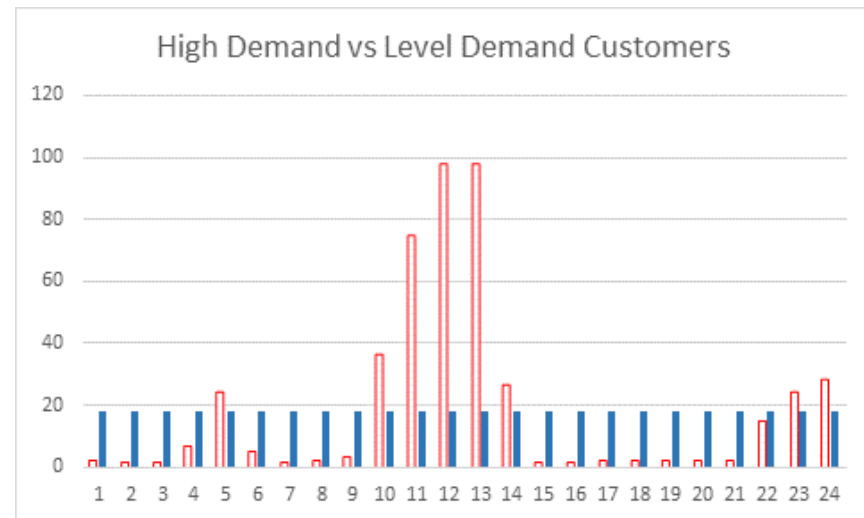
# As businesses re-open, please be aware of peak demand

- Demand is a term used to describe how much electricity is used at any given moment. Most businesses have a meter that tracks and records the highest 30-minute level of electricity demand for each billing period. Demand is measured in kilowatts (kW), while the total amount of electricity used is measured in kilowatt-hours (kWh)
- Let's compare electricity use between two customers, as an example:
  - Both customers use the same amount of kilowatt hours (kWh) - 20,000 kWh - over the course of a month. The first customer uses a steady amount of electricity over the 30-day period while the second customer uses much of the 20,000 kWh in bursts over a few hours per day or a few days of the month



# As businesses re-open, please be aware of peak demand (continued)

- Although both customers used the same amount of electricity, the second customer would be charged more for placing greater demand on the system during the short periods of time when their electrical use peaked



For more examples on demand, please visit [FPL.com/rates/understand-demand.html](https://www.fpl.com/rates/understand-demand.html)

# How to minimize your peak demand when you return to regular business operation

- For business customers on a demand rate
  - Avoid starting all of your equipment at the same time
  - Stagger/start HVAC Units
    - turn on half the units 24 hours before startup
    - and the remainder at least two hours before opening
  - Turn on 48 hours prior to business start up
    - water heater
    - refrigeration equipment including refrigerators, vending machines, walk-in coolers, ice machines, etc.



# How to minimize your peak demand when you return to regular business operation

- **Allow HVAC system to reach set point before starting;**
  - electric cooking equipment
  - exhaust systems, outside air make up systems
- **Office equipment** – stagger startup
- Only turn on lighting in areas where needed until HVAC has reached it's set point temperature
- Avoid running irrigation, and other non-critical pumps until HVAC(s) reach it's set-point



# You may be eligible for funding under these programs



## Paycheck Protection Program

- Provides direct incentive to keep workers on payroll
- Loan will be forgiven if funds are appropriately used for payroll, rent, mortgage and utilities



## Economic Injury Disaster Loan

- Working capital loans that may be used to pay fixed debts, payroll, accounts payable and other bills
- May include a loan advance that does not need to be repaid



## SBA Express Bridge Loan

- Provides access for up to \$25K with less paperwork if you have an existing relationship with SBA



## SBA Debt Relief

- SBA will pay principal and interest on specific new and current loans

# We're in this together

- We remain focused on delivering the affordable, reliable power our customers have come to count on
- Again - If you need help with the **Business Energy Dashboard** or have additional questions on how to save, please contact a Business Energy Expert at **BEE@FPL.com** or **800-375-2434**
- For programs and services designed to help your company save money, visit [www.fpl.com/bizprograms](http://www.fpl.com/bizprograms)
- We hope you, your employees and your family stay safe during this difficult time

