

Grab a clipboard and take this map along on your treasure hunt. Focus on uncovering opportunities to save. When you find something, make notes about location; tools, materials, or expertise needed; or further research required. Feel free to add to or modify this list to suit your own needs.

	Facility Name	Floor	_ Date
1	Facility Management		NO
	☐ Make note of your EUI and ENERGY STAR Score in Po	ortfolio Manage	er.
	Ensure that facility energy management plan and oper maintenance plan is up to date and that appropriate serviewed the latest versions.		
	Review building management system (BMS) and/or be automation system (BAS) code to ensure that specific reduce unneeded energy consumption (e.g., on/off tirbeen overwritten.	c commands to	
	Consider daytime cleaning to reduce the hours the sp This allows for more aggressive "unoccupied mode" lighting and HVAC.	•	d.
2	Lighting		
T	ldentify where lights have been left on in unoccupied	spaces.	
	Identify and assess opportunities to use automated li	ighting controls	: ;
	Occupancy/motion sensors for low-traffic area	as.	
	Timers or daylight sensors to dim or turn off e parking lot lights during the day.	xterior and	
	Dimming controls in locations where there is (e.g., near windows, skylights, light tubes).	natural lighting	
	Confirm that installed lighting controls are operating	as intended.	
	Assess need to institute a regular cleaning plan for la maximum light output.	amps/fixtures fo	or
	ldentify where reflectors can be practically added to	existing lighting	g.
	Assess whether any areas are over-lit, compared to r design levels; consider opportunities for de-lamping.	•	.
	De-energize and/or remove ballasts that are not in us	se.	I

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	Evaluate the opportunity to upgrade to more energy-efficient lighting options:
	Replace T12 fluorescents with T8s or T5s with electronic (rather than magnetic) ballasts; consider the use of tubular LEDs (TLEDs).
	Upgrade incandescent and CFL applications to LED (especially for task lighting or specialty applications).
,	☐ Use LED Exit signs in place of incandescent or CFL models.
7	Building Envelope
	Inspect doors and windows to identify gaps or cracks that can be repaired.
	Note damaged or missing weather stripping.
	Note air leaks that should be sealed with caulking or other sealant.
	Assess the opportunity to install solar film or other window coverings on east, west, or south exposures to reduce solar heat gain and heat loss.
	Assess the opportunity to install air lock doors for main entrances.
	Assess the opportunity to install a reflective ("cool") roof covering in warm climates.
)	Equipment/Plug Loads
	Identify any new office equipment that will be needed soon; make plan to ensure they are ENERGY STAR certified where possible.
	Identify any equipment left on overnight (including those left in sleep/idle or screen saver mode).
	Ensure that power management settings are activated on office equipment such as computers, monitors, printers, and copiers.
	Ensure that any large-screen TV monitors are turned off during unoccupied times.
	Use networked printers, rather than personal printers in offices or workstations.
	Identify and discontinue the use of personal heaters and fans in offices or workstations (the use of such personal devices may indicate broader hot/cold issues that should be addressed at the system level).
1	Identify where power strips can be used for easy disconnect from power source. Consider the use of advanced power strips.

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Check if vending machines get turned off or put in sleep mode at the end of the day. Consider installing motion/occupancy-based vending machine controls.		
Look for opportunities to replace older vending machines with new ENERGY STAR certified vending machines.		
HVAC		
Identify and make plans to address instances of simultaneous heating and cooling.		
■ Ensure that thermostats and outside air temperature sensors are properly calibrated/maintained.		
■ Ensure that thermostats are set to appropriate temperatures based on season and local weather conditions.		
Confirm implementation of a temperature setback policy for heating/ cooling when the building is unoccupied.		
Perform testing and balancing of air and water systems.		
■ Ensure that thermostats are properly located to be representative of the room or zone for which the temperature is being controlled.		
Identify where locking covers for thermostats and ventilation controls can be installed to prevent unauthorized adjustments.		
Ensure free airflow to and from registers.		
Monitor make-up air ventilation; ensure the proper functioning of dampers to achieve outside air requirements.		
Ensure that HVAC system components are being maintained regularly, including:		
Replace filters on a regular schedule		
Inspect and clean evaporator and condenser coils.		
Clean fan blades and adjust belts as needed.		
Inspect water/steam pipes and ducts for leaks and/or inadequate insulation; address as needed.		
Verify and calibrate operation of variable air volume (VAV) boxes, where applicable.		
Evaluate furnace/boiler efficiency and clean/tune up as needed (including boiler water treatment and inspection of steam traps, as appropriate).		
Check chiller and cooling tower components for fouling or corrosion; ensure proper water treatment is in place.		
Check for unusual noise, vibration and/or decrease in		

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Evaluate how chillers operate during the cold months and determine if chiller or pumps can be shut off.
Assess opportunities to install hot water reheat coils in place of electric reheats, and to use waste heat where possible.
Assess the opportunity to install and use air-side economizers, so that outside air can be used for "free cooling."
Identify and assess opportunities for heat recovery.
Identify and assess opportunities for installing variable frequency drives (VFDs) for fan and pump motors, and variable air volume (VAV) boxes in the ductwork – especially where variable loads are being served.
 Identify and assess opportunities for demand-controlled ventilation in areas with variable loads (e.g., conference rooms, auditoriums, cafeterias)
Identify and assess opportunities to use occupancy sensors to control HVAC in personal offices or conference rooms.
Check underground parking garage ventilation systems for operation during unoccupied times.
Assess the opportunity to install carbon monoxide monitoring/control for garage ventilation systems.

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ADDITIONAL NOTES:

