

GEMS Survey Express



Business Name: _____

Assessment Date: _____

Student Name: _____

GEMS Reference Code: _____

Business owner/manager questions:

Questions that only the business owner/manager might be able to answer

G1. What is the principle building space activity?

Food Service | Retail | Office | Education | Health Care | Lodging | Religious | Service | Other

G2. Square footage of building space

Square footage: _____

G3. Average monthly electric bill

\$/month: _____

G4. Average monthly natural gas bill

\$/month: _____

G5. Ask: "Do you own the building?"

Yes No

G6. Ask: "Are you interested in having your utility bills reviewed to see if you could be paying a lower rate?"

Yes No If yes, complete sign-up form at greenimpactcampaign.org/nextility

G7: Ask "Would you like us to find you rebates for any recommended upgrades?"

Yes No

G8. Ask: "Are you interested in powering your business with clean wind energy?"

Yes No If yes, complete sign-up form at arcadiapower.com/greenimpact

L10. Do any lights remain on after-hours?

Yes No N/A Total after-hour wattage: _____

P2. Do computers have appropriate sleep timers and power options enabled?

Yes No N/A # of computers without: _____

H0a. Does the heating system use natural gas?

Yes No N/A

H0b. Does the cooling system use natural gas?

Yes No N/A

H3. Has it been longer than 3 months since the furnace filters have been replaced?

Yes No N/A

H4. Has it been longer than 1 year since the HVAC equipment has been serviced?

Yes No N/A

Energy observation questions:

Questions that you'll be able to answer by walking around the business

L1. Do any rooms seem over lit by artificial light?

Yes No N/A Total # of fixtures in over lit rooms: _____

L2. Are any lighting fixtures using incandescent bulbs?

Yes No N/A # of incandescent bulbs: _____

L3. Are occupancy sensors installed in all applicable areas (i.e. restrooms, private offices, storage closets, etc.)?

Yes No N/A # of applicable rooms without occupancy sensors: _____

L4. Do all individual work spaces have task lighting?

Yes No N/A # of work spaces without task lights: _____

Snap a photo of you doing the assessment and share it with the hashtag #GreenImpact

L5. Are all exit signs illuminated by LEDs?

Yes No N/A # of non-LED exit signs:

L6. Are T12 or 32W T8 fluorescent bulbs used in overhead lighting?

Yes No N/A # of T12 or 32W T8 bulbs:

L11. Are any halogen PAR bulbs being used?

Yes No N/A # of halogen PAR bulbs:

L12. Are any halogen MR16 bulbs being used?

Yes No N/A # of halogen MR16 bulbs:

L13. Are any incandescent Edison-style bulbs being used?

Yes No N/A # of Edison bulbs:

P1. Are power strips being used in all applicable areas (work station, entertainment area, etc.)?

Yes No N/A # of applicable areas without power strips:

P3. Are all vending machines ENERGY STAR certified?

Yes No N/A # of non-ENERGY STAR vending machines:

P4. Are all refrigerators ENERGY STAR certified?

Yes No N/A # of non-ENERGY STAR refrigerators:

B1. Do all doors have weather stripping in good condition?

Yes No N/A

B2. Do any window frames, door frames, or wall joints have exposed areas or cracks?

Yes No N/A

B3. Are any windows single paned or in poor condition?

Yes No N/A

B4. Do all windows have tint, blinds, drapes, and/or curtains in good working condition?

Yes No N/A

H1. Is the thermostat programmable?

Yes No N/A

H2. Do all programmable thermostats have the correct day and time set?

Yes No N/A

Water/recycling observation questions:

W1. Are there aerators on all sink faucets?

Yes No N/A # of faucets without aerators:

W2. Are there aerators on all shower heads?

Yes No N/A # of showers:

W3. Are all toilets low-flow units (1.6 gpf or less)?

Yes No N/A # of non-low flow toilets

W4. Does the organization water outdoor landscaping?

Yes No N/A

R1. What items are currently being recycled?

Paper | Cardboard | Glass | Plastic | Aluminum cans | Toner cartridges
Packing supplies | Fluorescent lamps | Batteries | Electronics equipment



GEMS Survey - Lighting Cheatsheet

The following cheatsheet provides examples of common light bulb types asked during the GEMS survey



Standard Incandescent

Halogen Incandescent

CFL

LED



T 12

1-1/2"



T 8

1"



Halogen PAR



CFL PAR



LED PAR



PAR - 16
2



PAR - 20
2 1/2"



PAR - 30
3 3/4"



PAR - 38
4 3/4"



Non-LED Exit Sign



LED Exit Sign



Halogen MR16



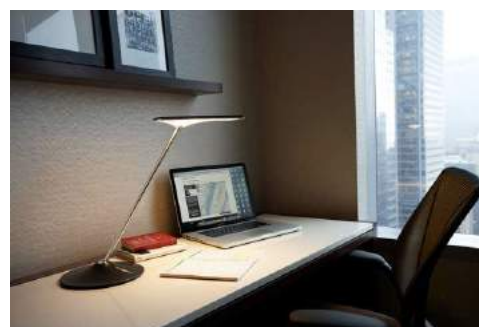
LED MR16



Manual Light Switch



Occupancy Sensor
Light Switch



Examples of Task Lighting



GEMS Survey - Cheatsheet

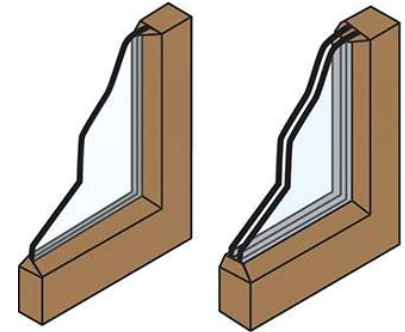
The following cheatsheet provides examples of common observations and items asked during the GEMS survey



Power Strip



ENERGY STAR Label



Single-Pane vs Double-Pane Window



Weather Striping - Bad Condition



Weather Striping - Good Condition



Example of Window Frame Cracks



Programmable Thermostat



Examples of Non-Programmable Thermostats



Faucet Aerator



With Aerator



Without Aerator



Toilet GPF Label



EPA WaterSense Label

