

## Preliminary Site Assessment (Schools)

**Energy Partnerships**

Date \_\_\_\_\_

**Facility Name** \_\_\_\_\_

**Contact Name/ph#** \_\_\_\_\_ / \_\_\_\_\_

**Bldg. A** \_\_\_\_\_

**B** \_\_\_\_\_

**C** \_\_\_\_\_

### Potential EEM

#### BUILDINGS

I. Building Envelope	A	B	C	Comments
1. Install double glazing				
2. Infill glazing				
3. Solar film for glazing				
4. Weatherstrip/caulk windows				
5. Install insulated doors				
6. Weatherstrip doors				
7. Insulate roof (rigid)				
8. Insulate ceiling (batt/blow)				
9. Insulate wall				
10. Insulate floor				
11. Lower ceiling				
12. Vestibule entry				
13.				
<b>II. HVAC</b>				
<b>A. Boilers</b>				
1. Replace Boilers				
2. Upgrade existing boiler				
3. Replace Burners				
4. Fuel switch				
5. Reduce steam dist. Press.				
6. Tune up boiler				
7. Insulate shell and piping				
8. Replace/repair condensate system				
9. Replace/repair steam traps				
10. Install boiler flue damper				
11. Preheat boiler feed water				
12. Preheat combustion air				
13. Time clock w/low temp. override				
14. Zone controller				
15. Boiler reset control				
16.				

**Comments:**

	A	B	C	Comments
<b>B. Furnace/U.V./Roof Top</b>				
1. Install high eff. Unit				
2. Recondition units				
3. Replace inefficient burners				
4. Install electronic ignition				
5. Install auto flue damper				
6. Fuel switch				
7.				
<b>C. Heat Pumps</b>				
1. Repair				
2. Install new				
3. Install economizer cycle				
4.				
<b>D. Cooling Systems</b>				
1. Upgrade inefficient chillers				
2. Install var. speed chiller motor				
3. Add head press. Control				
4. Install strainer cycle to chillers				
5. Utilize evap. Cooling				
6. Install cooling tower stage control				
7. Upgrade cooling tower				
8. Install local air conditioners				
9. Install economizer cycles				
10.				
<b>E. Controls</b>				
1. Install an EMCS				
2. Install optimum start/stop				
3. Install night setback				
4. Install load shedding				
5. Install system optim. Cap.				
6. Install warm up cycle				
7. Install deck temp. reset				
8.				
<b>F. Vent/Dist/Term. Equipment</b>				
1. Convert to VAV				
2. Reduce outside air %				
3. Adjust ventilation rates				
4. Install auto. Dampers				
5. Reduce air stratification				
6. Insulate pipes &/or ducts				
7. Modify zoning				

8. Reduce/elim. Heat to h-ways				
9. Reduce/elim. Air to unocc. Areas				
10. T-stat. Rad. Control valves				
11. Rebuild/replace steam traps				
12.				

	A	B	C	Comments
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**G. Domestic Hot Water**

1. Install flow restrictors				
2. Install auto-off faucets				
3. Decentralize hot water heating				
4. Insulate HX piping & tank				
5. Install summer heater				
6. Lower temp. & install boosters				
7. Install instant DHW heaters				
8. DHW pump/tank timers				
9.				

**III. Lighting**

1. Incand. To flour./HID				
2. MV to MH/HPS				
3. Install eff. Ballasts & lamps				
4. Lower fixtures				
5. Delamp & discon. Ballasts				
6. Install occup. Sensors				
7. Install local switches				
8. Exit light replacement				
9. Install photocell exterior				
10. Timer control exterior				
11.				

**IV. Electric Equipment**

1. De-energize equip. not used				
2. Reduce loads when not req'd				
3. Improve power factor				
4. Convert to eff. Motors				
5. Install var. speed motors				
6. Replace oversized motors				
7.				

**V. Meters Numbered**

1. Gas				
2. Electric				

**VI. Visual Est. of Potential Savings** (1=low, 5=high)

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**VII. Training Needs**

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## **Comments:**

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