1. **EFFICIENT LIGHTING.** Choose efficient lighting sources and occupancy controls such as high performance T5, T8 fluorescents with electronic ballasts, delamping, CFLs, induction, and LEDs. Install LED exit signs.

2. **AIR SEALING.** Perform air sealing at all joints, penetrations, windows, and doors. Pay close attention to top and bottom of the building.

3. **COMMISSIONING.** Commission or retro-commission HVAC. Tune up direct digital controls or pneumatics.

4. **TEMPERATURE SETBACKS.** Use automatic or manual controls to adjust temperature settings and system operation according to time of day and building loads.

5. **HEATING.** Tune up existing equipment. Use high efficiency boilers and furnaces of 92% efficiency or better. Insulate hot water and steam pipes. Perform steam trap audit.

6. **COOLING.** Use high efficiency (SEER 14+, EER 11.5+) air conditioning equipment with an outdoor air economizer.

7. **VENTILATION.** Modulate ventilation rates based on occupancy with demand control ventilation. Limit ventilation during unoccupied hours. Consider ventilation heat recovery.

8. **ELECTRIC MOTOR CONTROL.** Use variable frequency drives on electric motors with variable loads.

9. **ENVELOPE.** Insulate beyond code: walls to at least R-13 plus R-11 continuous, and roofs to R-49 or R-25 continuous. Use low-E, gas-filled windows with U-values equal to or less than 0.35 (R-2.9). Illinois maximum Solar Heat Gain Coefficient (SHGC) is 0.40.

10. **DIRECT DIGITAL CONTROLS.** Replace existing pneumatic systems with new equipment controls systems. Train staff to use system properly.

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**Extra Credit:** After implementing all of these, consider **renewables** such as solar and wind.
DCEO CONTACTS

DCEO Public Sector Energy Efficiency Programs
www.ilenergynow.org

DCEO Trade Allies
http://www.erc.uic.edu/tradeallies/

New Applications
Sally Agnew, 217-785-5081
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Public Schools
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UTILITY INFO AND TRADE ALLIES

ComEd Smart Ideas
www.comed.com

Ameren Illinois Utilities ActOnEnergy®
www.actonenergy.com

Nicor Gas
www.nicorgasrebates.com

North Shore Gas
www.northshoregasdelivery.com

Peoples Gas
www.peoplesgasdelivery.com

DCEO Trade Allies
http://www.erc.uic.edu/energy-efficiency/trade-allies/

Trade Ally Service Providers
http://sedac.org/energy-sp-listing.html

APPLY FOR SEDAC SERVICES

Complete an online application at http://apply.sedac.org

INFORMATION CENTER

- Web site www.sedac.org
- SEDAC monthly newsletter
- Energy efficiency incentive info
- Event and training calendar
- YouTube Videos
  - Case Study videos
  - Presentations and webinars

EDUCATION & TRAINING

Topics include:
- Energy efficiency strategies for all commercial and public building types
- Energy assessments
- Current energy efficiency incentives
- Green technology and sustainability
- Introduction to LEED and green buildings
- High performance design

Online training modules and custom training programs are also available.

RESOURCES

SEDAC Energy Smart Tips at
www.sedac.org/publications.html
- New Construction (4 manuals)
- Convenience Stores
- Condominiums
- Hotels
- Ice Arenas
- Libraries
- Places of Worship
- Restaurants
- Schools
- Supermarkets
- Swimming Pools
- Warehouses
- Water Treatment Facilities
- Outdoor Lighting
- High Rise Building Systems
- Variable Frequency Drives
- Computer Energy Management
- Case Studies