

# Lakes Region Future: ENERGY EFFICIENCY & GREEN BUILDING COMPONENT

## CHAPTER OUTLINE

### **I. Introduction – Purpose - Rationale**

- A. Set the context by defining the Purpose and Rationale of the Chapter in a manner that reflects regional and local goals and priorities. Define energy efficiency and green building.
- B. Summarize energy use for the region and state including amount and sources.
- C. Describe the impacts of energy consumption and energy choices:
  - Environmental
  - Social
  - Economic

### **II. Energy Planning And Green Building In The Region**

- A. Summarize energy planning and green building in the region:
- B. Describe potential solutions to the impacts and energy issues described in the introduction:
  - Energy Efficiency and Conservation
  - Energy Consumption
  - Renewable and Alternative Choices

### **III. Regional and Municipal Goals and Priorities**

Identify regional and municipal/local goals that emphasize action and implementation!

### **IV. Integrating Energy with Traditional Planning Concepts**

Identify how the regional and municipal goals and priorities can be integrated throughout the regional master plan.

- Transportation/land use/environment/resources
- Zoning, land use and resource conservation - conservation subdivision, village center zoning, transfer of development rights, open space/land preservation (reference existing Chapters)
- Audit to identify barriers and incentives to energy efficiency implementation (zoning, regulations, Master Plan)
- Master Planning and open space/land conservation planning
- Sustainability and Smart Growth planning (mixed use development, village center zoning, and conservation/open space subdivision)
- Incorporate investment in energy efficiency for municipal facilities in the CIP
- Analysis to identify efficiencies, which save money, which can be used for future planning and energy upgrades.
- Encourage community and individual participation in efficiency and conservation efforts and encourage support for local implementation (warrant articles, budget, household efficiency plans)

- Develop a plan for regional and local implementation of energy efficiency recommendations in the NH Climate Action Plan
- Partner with local, regional and statewide energy and sustainability initiatives and practitioners (i.e. Keene efforts and Cool Monadnock, LEC Working Group, Clean Air-Cool Planet)

## **V. What Has the Region Done or Is Already Doing?**

Provide an overview of the following in the regional including local examples (see example below).

- Zoning ordinances and land use regulations – describe beneficial components
  - Infill development incentives; Brownfields redevelopment
  - Education/outreach, public awareness/participation
  - Non-profit assistance and advocacy groups (SEAREI, PARE)
  - Transportation and transit planning efforts
  - Partnerships with utility providers
  - Past facility, building, lighting and vehicle audits
  - Completed energy efficiency upgrades
  - CIP provisions/budget items
  - Energy Chapters (Laconia, Effingham)

## **VI. Local Support for Energy Committee and Energy Planning**

### **A. New Hampshire Climate Change Resolution**

In support of an effort lead by the Carbon Coalition in 2007-2008, 164 municipalities adopted the New Hampshire Climate Change Resolution that calls on the federal government to prioritize climate change policy and enables the formation of a local energy committee (LEC) to address energy efficiency and conservation, emission reductions, and other energy related issues.

Provide a summary of which towns joined the Resolution and steps they've taken toward implementing energy efficiency and green building. Describe LEC activities, goals, membership, organizational structure, etc.

### **B. Municipal Energy Tracking and Inventories**

Municipal energy use tracking and facility/infrastructure inventories offer a wealth of information about energy use, types of energy used, and the efficiency of NH's rich inventory of municipal historic properties and what communities are doing to preserve them.

Provide an overview of the methods and tools municipalities use to track and inventory:

- Purpose of completing an inventory (and perhaps a brief overview of major findings typical for most communities)
- Common municipal goals for energy efficiency and conservation
- Importance of maintaining a database to track long term use and savings

## **VII. Recommendations**

This section could describe ways in which the RPC can facilitate energy efficiency and green building implementation at the local level by municipalities, households, individuals and businesses.