



Bedford, New Hampshire

# 2010 Master Plan



## ENERGY AND UTILITIES

Thursday, January 21, 2010

# AGENDA

- **Presentation of the draft Energy and Utilities element of the plan**
- **Presentation of the build-out study**
- **Update on other elements**
- **Public Forum**
- **Approval of December 17, 2009 meeting minutes**
- **Next meeting and adjourn**

# ENERGY AND UTILITIES GOALS

- **Encourage energy efficiency, conservation, and sustainability in Bedford to reduce energy consumption and cost.**
- **Establish best management practices and technologies in future construction, renovation, and maintenance of public buildings and facilities.**
- **Reach out to the community as a whole to inform and educate residents and businesses regarding energy conservation and sustainability principles.**

# ENERGY COMMISSION

- **Established by Town Council last year**
- **Examining energy consumption in Town-owned buildings and facilities**
- **Seeking grants for detailed energy audits**
- **Initiated data collection in a number of buildings**

# ENERGY GRANT PROGRAMS TARGETED

- **NH Municipal Energy Assistance Program (MEAP)**
  - Technical and financial assistance to 48 municipalities
  - Bedford selected in 2<sup>nd</sup> round
- **Energy Efficiency and Conservation Block Grant**
  - Funding for detailed energy audits
  - Town submitting application

# TOWN ENERGY CONSUMPTION

- **Generally going up, but there are exceptions and fluctuations**
- **Numerous factors at play**
- **Efforts underway to reduce consumption**
  - Equipment replacement
  - CFL light replacement
  - Some efforts more aggressive than others

# BEDFORD ENERGY USE

- **Number of customers staying relatively steady**
- **Consumption increased about 6% since 2007**
- **Estimated that 84% is residential use**
- **No comparable National Grid data**
- **Different rate structures depending on use**

# UTILITY PROGRAMS

- **Both PSNH and National Grid have programs aimed at encouraging conservation**
  - **Conservation and efficiency**
  - **Residential and commercial**
  - **Renewable energy**

# RECOMMENDATIONS

- **Land use will be refined when chapter is written**
  - TOD, mixed-use, compact development patterns
- **Continue to conduct energy audits for town-owned and School District buildings**
- **Take similar action to review the Town's vehicle fleet and street lighting**
- **Establish energy reduction goal and prepare detailed energy reduction plan and prioritize projects**

# RECOMMENDATIONS

- **Examine use of Energy Star Portfolio Manager as a tool to track and manage consumption**
- **International Council for Local Environmental Initiatives is another option for a management program**
- **Adopt a policy to replace the vehicle fleet with energy efficient vehicles**
- **Continue to seek grant funding**

# RECOMMENDATIONS

- **Publicize programs such as the renewable energy property tax exemptions**
- **Develop a town-wide pedestrian and bicycle plan**
- **Adopt a policy or regulations that new development meet Leadership in Energy and Environmental Design (LEED) or similar standards**
- **Adopt new building code regulations that increase energy efficiency in new construction**