

INNOVATIVE ENERGY PLANNING



Energy Planning
Tools and Techniques
for NH Communities

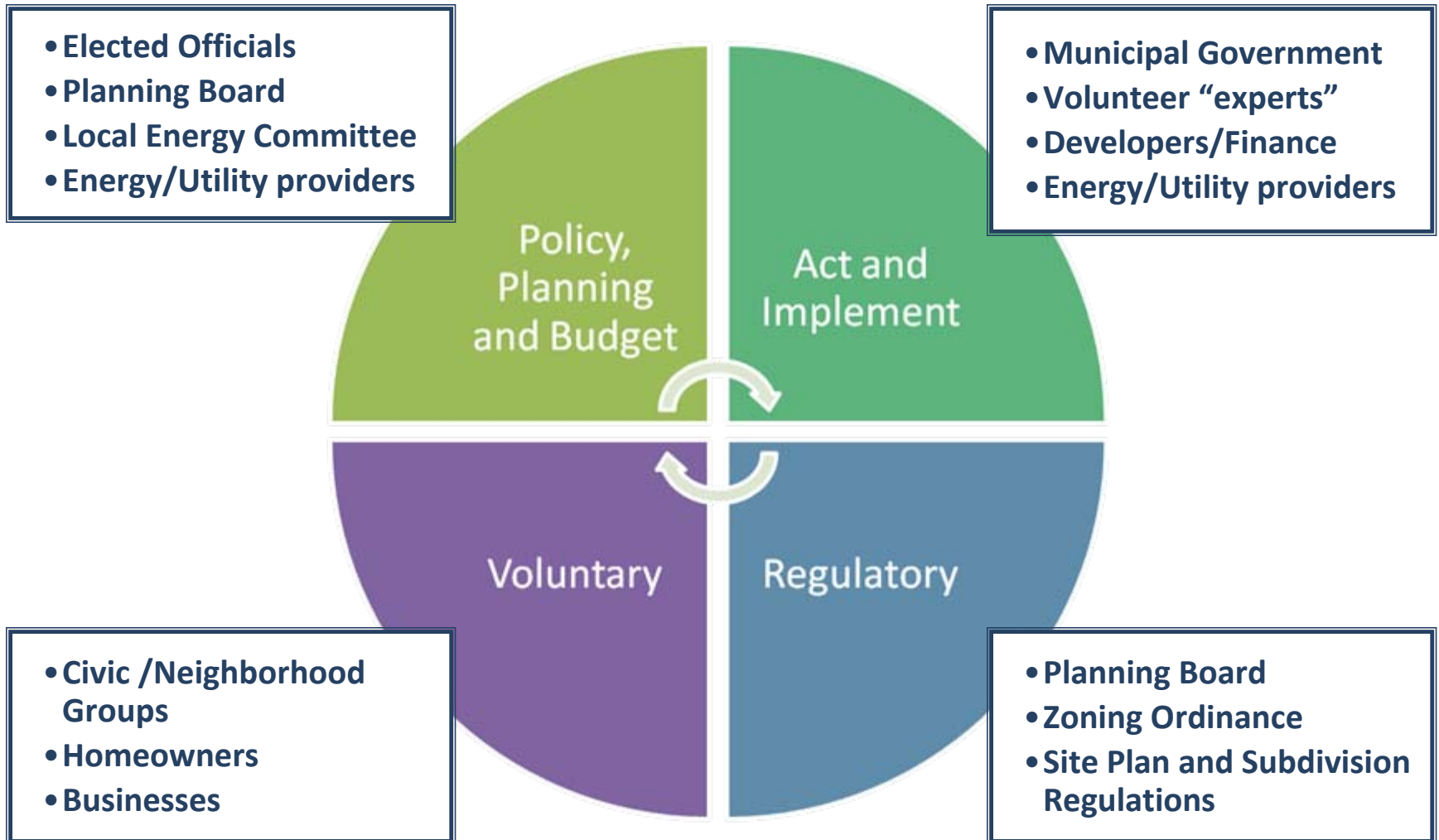
The Energy Planning Framework

PRIMER >>> First Steps for LEC's

- ✓ Get Organized – meet regularly, invite others, grow, listen and observe
- ✓ Document - expertise, resources , interests, ideas and questions
- ✓ Do Your Homework – get informed about municipal structure and community
- ✓ Learn – success and challenges of others
- ✓ Get Connected – technical resources



Energy Planning Framework



Energy Planning Framework

Who's responsible for what?

Local Energy
Committee

- Coordination and Technical Expertise
- Community Action and Implementation Plan

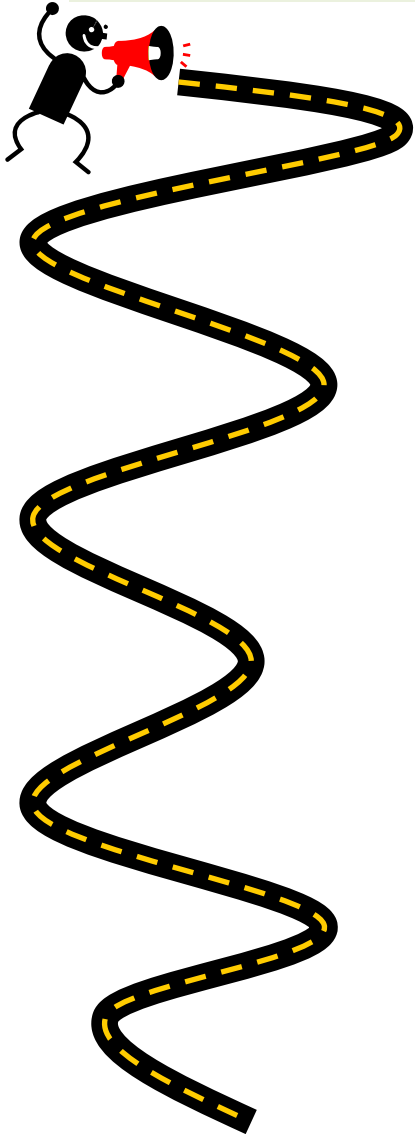
Elected
Officials

- Municipal Energy Inventory
- Energy Budget in Capital Improvement Plan

Planning
Board

- Master Plan – Energy Chapter
- Regulations – Energy Efficiency and Conservation

Energy Planning Framework



LOCAL ENERGY COMMITTEE or COMMISSION

- ➔ Mission and Vision Statements
- ➔ Define Roles, Goals and Objectives
- ➔ Identify Partners (community, region, private industry)
- ➔ Develop an Action and Implementation Plan

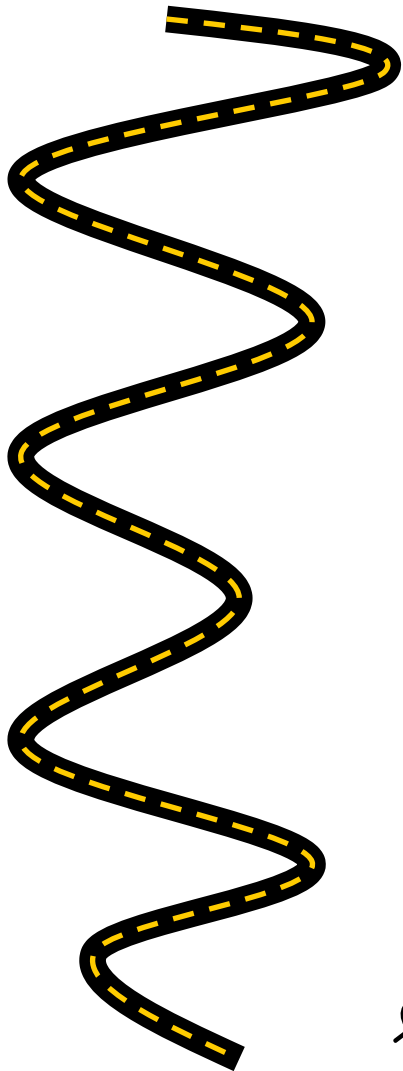
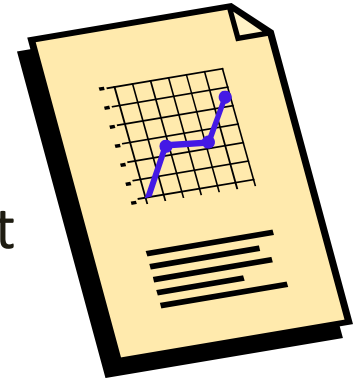
*Energy
Work Plan*



Energy Planning Framework

Energy Work Plan

Municipal Energy Inventory and Report
Municipal Building Audits
Master Plan Energy Chapter
Review Ordinances and Regulations (barriers)
Funding
Infrastructure Improvements
Community Energy Policy



Energy Planning Framework

- Civic/ Neighborhood Groups
- Residents
- Business Owners



Awareness

Stewardship

BEHAVIOR CHANGE

recycle

VOLUNTARY ACTIONS

reuse/reclaim

volunteer corps

compost

bulk purchase

renewables/alternatives

Energy Planning Framework

- Local and Regional Collaboration

- Non-profit Organizations
- Regional Planning Commissions



- State Initiatives

- NH OEP - Energy Efficiency and Conservation Block Grants
- NH Climate Action Plan
- Legislation (small wind energy systems)
- UNH Cooperative Extension



Land Use and Energy Policy Audits

- Vision and Master Plan
- Land Use Regulations
 - Zoning
 - Site Plan Review
 - Subdivision



Audit findings

- Disconnects exist between vision and regulations
- Energy intense land use patterns
- Importance of mixed use opportunities
- Policies related to agriculture and forestry
- Importance of a diversity of housing types
- Need for site level guidance



Energy Chapters

- RSA 674:2 – an opportunity for collaboration
- Local data – inventories, audits, etc.
- State and regional fuel mix and supply
- Looking forward!



Additional Resources

- **Peak Oil Plans:**

- <http://bloomington.in.gov/peakoil>
- <http://www.portlandonline.com/bps/index.cfm?c=42894>

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- **Transition Towns:**

- <http://www.transitionus.org/>
- <http://transitionculture.org/shop/the-transition-handbook/>

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- **Relocalization:**

- <http://www.ibiblio.org/tcrp/doc/project.htm>
- <http://www.relocalizemassachusetts.org/>
- <http://www.masschc.org/PioneerValleyRelocalizationProject.html>
- <http://bloomington.in.gov/peakoil>