

Wake County Sustainability Task Force Energy Logic Model

<i>Strategies</i>	Outcomes		
	<i>Short Term Objectives</i>	<i>Medium Term Objectives</i>	<i>Long term Goals</i>
<ul style="list-style-type: none"> • Support Renewable Portfolio Standard RPS • Maintain grid infrastructure • Develop Smart Grid infrastructure • Develop charging stations for electric cars • Develop cap for fee structure • Develop renewable energies (solar, wind, geo thermal, methane) • Continue subsidies to attract new technologies. • Explore and develop clean energies (nuclear) • Incentivize energy efficient houses, appliances • Evaluate & adjust ordinances to remove hindrances for energy efficient building and lighting design. • Educate public about energy efficiency. • Educate commercial and industrial about energy efficiency. • Conduct energy audits • Audit Wake County facilities(incl schools) and retrofit for energy efficiency. • Wake County partners with others to participate in demonstration and research projects. 	<p>A. Local governments have established renewable energy tools.</p> <p>B. The community will better understand energy consumption and options.</p> <p>C. Homes are energy efficient.</p> <p>D. Commercial, industrial, and public buildings are energy efficient</p> <p>E. Wake County facilities, including schools, are energy efficient</p>	<p>F. A higher percentage of energy comes from renewable and clean energy sources.</p> <p>G. Per capita energy consumption is reduced.</p> <p>H. Citizens are able to choose from multiple energy sources.</p> <p>I. Renewable and clean energy sources are cost effective and safe.</p> <p>J. All citizens have access to affordable energy</p> <p>K. Less coal is used for energy production.</p> <p>L. Transportation consumes less energy.</p>	<p>1. Greenhouse gas emissions from Wake County are reduced.</p> <p>2. Impacts from energy production and consumption on water, land, and air are reduced.</p> <p>3. Citizens are safe and healthy.</p> <p>4. High-tech businesses are attracted to Wake County.</p> <p>5. Citizens are less dependent on foreign fuel sources- increased security.</p>

Assumptions

Planning incorporates full life cycle costing. Strategies are cost-effective and engage all parties. The community is engaged in all steps. Action steps should be developed to implement logic model (who implements strategies, using what resources, when).

External Factors

Population growth & in-migration, federal & state policies and funding