

Wake County Sustainability Task Force Energy Logic Model

Strategies	Outcomes		
	Short Term Objectives	Medium Term Objectives	Long term Goals
1. Support NC Renewable Portfolio Standard 2. Support development of Smart Grid infrastructure 3. Develop or support charging stations for electric cars 4. Support development and use of renewable energies (solar, wind, geo thermal, methane) 5. Support subsidies to attract energy-related technologies. 6. Explore and develop clean energies (such as nuclear) while assessing public health risks. 7. Provide incentives for energy efficient buildings, appliances 8. Evaluate & adjust ordinances to identify limitations to and opportunities for energy efficient building and lighting design. 9. Educate citizens, commercial, and industry about conservation and energy efficiency. 10. Support energy audits and retrofits for private & public buildings 11. Audit Wake County facilities (& schools) and retrofit for energy efficiency. 12. Partner with others to participate in demonstration and research projects. 13. Support market-based mechanisms for reducing emissions from production (cap for fee structure, fee schedule) 14. Support & identify new sources and means of energy production (landfill for example) 15. Support transportation planning & implementation that reduces emissions	A. The citizens and businesses of Wake County will better understand energy consumption and options (x% citizens surveyed) B. Residential, commercial, industrial, and public buildings are more energy efficient (needs metrics) C. Schools and public buildings serve as models for sustainable design and energy efficiency (needs a metric) D. Citizens, businesses, and organizations have access to multiple sources of affordable energy (needs a metric) E. Businesses and industries learn about Wake County's Environmental Stewardship Agenda and results	F. X % percentage of energy comes from renewable and clean energy sources. G. Per capita energy consumption is reduced (by 10% over 5 years) H. Renewable and clean energy sources are cost effective and safe. I. Transportation consumes x% less energy per capita. J. Greenhouse gas emissions are reduced from commercial & industrial production by x %	I. Per capita greenhouse gas emissions from Wake County are reduced. II. Minimize adverse impacts from fuel and energy production and consumption on water, land, and air. III. Businesses with low impacts to the environment contribute to the economic vitality of Wake County. IV. Citizens are independent of foreign fuel sources.

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