

Task ID	Recommendation	Cost	GHG Emissions Reduction (MTCDE)	Cost to Emissions Reduction Ratio	Community Emissions Reduction Impact	Comments/Staffing
CI1	Create Grassroots Partnerships to Engage Community	Staff time	Can be quantified for specific initiatives.			
CI2	Expand Public Partnerships to More Explicitly Consider Climate Action	Staff time	Can be quantified for specific initiatives.			
CI3	Create Green Neighborhood Program	\$54,000	Can be quantified for specific neighborhood projects.			Estimate from Cary , NC Green Neighborhood Initiative
CI4	Integrate Climate Action with Local Living Economy	Staff time	Can be quantified for specific initiatives.			
CI5	Expand Capacity for Sustainability Initiatives	Staff time	Can be quantified for specific initiatives.			EAB and Town staff Climate Action Committee
CI6	Facilitate Low Cost Financing for Energy Efficiency and Renewable Energy Projects	Qualified Energy Conservation Bonds or Property Assessed Clean Energy (PACE) financing	Energy emissions reductions for buildings calculated for buildings in BE1, solar projects in RE1.	See BE1, RE1		
CI7	Integrate Climate Action and Social/Equity Initiatives	Staff time	Can be quantified for specific initiatives.			
BE1	50% Challenge	\$109,908,095.81	37,769.50	\$3,004.72/MTCDE	33.70%	
BE2	Energy Audit/Performance Rating	ASHRAE Level 1: \$505,969.5, II: \$1,807,034, III: \$3,614,067.99	First step towards 50% Reduction Recommendation.			
BE3	Demonstrate/Pursue Energy Performance Beyond Minimum Requirements for New Development	Would require statutory authority or voluntary compliance from developers/builders	Emissions reductions can be calculated for specific developments.			

## Emissions Reduction Summary Table

Task ID	Recommendation	Cost	GHG Emissions Reduction (MTCDE)	Cost to Emissions Reduction Ratio	Community Emissions Reduction Impact	Comments/Staffing
BE4	Create Rental Property Task Force and Process	\$132,500	Can be quantified for specific initiatives.			Cost Estimate from SSDN Grant: Addressing the Split Incentive Problem in Affordable Rental Units.
BE5	Create Rental Property Registry/Certification	\$112,500	Can be quantified for specific initiatives.			Cost Estimate from SSDN Grant: Addressing the Split Incentive Problem in Affordable Rental Units.
TM1	50% Challenge	Greenways: \$1,308.08/foot*, Electric Buses: \$691,000/bus*, EV Charging Stations: \$25,000 for Level 2 Station	16,415	Greenways: \$63,928.57/MTCDE*, Electric Buses: \$93,001.35/MTCDE*, EV Charging Stations: \$3,397.57/MTCDE*	14.65%	*Funding is available to cover 80-100% of transportation projects, reducing the cost to \$261.61/foot and \$12,785.71/MTCDE for greenways, and \$0.00 and \$0.00/MTCDE for electric buses and EV charging stations.
TM2	Enhance Transit Service	\$90.17 to extend 1 hour of service/year	0.005 MTCDE/hour of service	\$18,034/MTCDE		Emissions from transit service make up 0.8% of total community emissions.
TM3	Improve Vanpool/Carpool Options	Signs to identify vanpool and carpool parking areas	Can be quantified for specific initiatives.			Staff time would be required to work with GoTriangle and local businesses.
TM4	Further Promote Walking, Biking, Transit		Can be quantified for specific initiatives.			
TM5	Limit Idling in School Loading Zones	\$9,740.67	486.74	\$20.01/MTCDE	0.43%	
TM6	Improve Bicycle and Pedestrian Infrastructure	Greenways: \$1,308.08/foot*	0.02 MTCDE per foot of greenway constructed	Greenways: \$63,928.57/MTCDE*		*Funding is available to cover 80-100% of transportation projects, reducing the cost to \$261.61/foot and \$12,785.71/MTCDE for greenways
RE1	Pursue Community Solar Projects	\$151,284,884.80	32,524.50	\$4,651.41/MTCDE	30%	This total cost includes the 30% tax credit, which is reduced to 20% in 2020 and 10% in 2021, and will expire in 2022.

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RE2	Pursue Downtown Geothermal Heating and Cooling	\$1,800,000	599.76	\$3,001.20/MTCDE	0.54%	*Est. Costs from Orange County's geothermal project. Cost does not include savings in utility bills (30-50%)
RE3	Create Rental Property Task Forces and Process	See BE4				
ES1	Pursue Stormwater Utility	Currently collecting ~\$800,000 in annual revenue from new stormwater fees, which is being used for both operational expenses and capital projects/revenues	Resiliency measure, no easily-quantifiable emissions reduction.			
ES2	Evaluate Extent to Which the Deer Population and Climate Change affect Native Plant Ecosystems	\$10,000	Resiliency measure, no easily-quantifiable emissions reduction.			Potential study or UNC Student Capstone Project
ES3	Accelerate/Expand Organic Waste Collection/Composting	\$199,647.24 one-time cost, \$82,533.5 annually	236.88/year	\$5,706.20/MTCDE	0.21%	
ES4	Tree Preservation, Protection, and Conservation	\$25,000-\$50,000	Benefits can be measured using iTree program			Cost includes completion of tree inventory and development of Urban Tree Management Plan. Urban and Community Forestry Grant from the NC Forest Service
ES5	Improve Regulations and Community Capacity to Discourage Invasive Plants and Encourage Native Plants	Pursue grant funding	Resiliency measure, no easily-quantifiable emissions reduction.			

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ES6	Pursue Watershed Restoration Actions to Protect Local Streams from Changes in Rainfall Due to Climate Change	\$353,393.00	Resiliency measure, no easily-quantifiable emissions reduction.			2009 NCDENR Section 319 NPS Pollution Control Grant: \$200,000.00, Town of Carrboro In-Kind Match: \$148,393.00, Cash Match - Friends of Bolin Creek: \$5,000.00
DM1	50% Challenge	\$75,569.00	\$13,475.78	\$5.61/MTCDE	7.80%	
DM2	Devlop Local Dietary Consumption and Associated GHG Profile	\$19,000	No direct emissions reduction. Required for benchmarking of 50% Reduction Challenge			This is the estimated cost of the Town's Biennial Citizen Survey. A Dietary survey will likely cost less as it will require less information from participants.