

Staff Report | FY22-23 Climate Action Implementation Plan Summary

This report was developed by staff from the Manager’s Office on September 17, 2021

The tables below provide summary-level information about the Town’s planned actions within each of the four action categories, including a quarterly timeline, outcome, budgeted cost estimate, and reference to where the action supports part of the plan.



Action	Q1	Q2	Q3	Q4	Outcome	Budget	Reference
Update Council’s Green Building Policy					Local Policy	\$50-75k	BE I.1.a
Create pathways/incentives for net-zero buildings thru LUMO rewrite				>	Ordinance	\$15-30k	BE I.2.a-b
Participate in the 2021-22 International Code Council (ICC) process				>	Building Code	time	BE I.3.a
Advocate for and support rulemaking that supports C-PACE					State Policy	time	BE I.4.a
Advocate for and support the North Carolina Clean Energy Fund				>	Financing	time	BE I.4.b
Design for an MSC that achieves LEED and AIA 2030 goals				>	Green Building	time	BE II.1.a
Assess public housing for more energy/water efficiency upgrades					Upgrades	\$36-40k	BE II.2.a
Assess Town’s top 5 energy consuming buildings for more upgrades				>	Utility savings	\$25-40k	BE II.3.a
Upgrade Cedar Falls ballfield lighting with LEDs					Utility savings	\$70k*	BE II.3.b
Complete LED retrofit assessment for parking lot lighting					Staff Report	time	BE II.3.c
Continue enhanced refrigerant management in Town buildings				>	Staff Procedure	time	BE II.4.a
Scope a “green rentals” utility savings program				>	Staff Report	time	BE III-IV.1.a
Scope a “big buildings and parking lots” energy saving program				>	Staff Report	time	BE III-IV.2.a
Determine who is experiencing energy burden in homes/businesses					Study	\$5-15k	BE III-IV.3.a
Scope a building upgrade grant program with local housing partners					Staff Report	time	BE III-IV.4.a
Explore on-bill energy upgrade pilot with utility providers					Pilot Program	time	BE III-IV.4.b
Comment on and track Duke Energy’s 2020 IRP filing with NCUC					State Policy	time	BE V.1.a
Support rulemaking for State to join Regional GHG Initiative (RGGI)				>	State Policy	time	BE V.1.b
Assess options for investing in utility-scale renewable energy				>	Staff Report	\$5-15k	BE V.2.a
Coordinate with UNC to support climate action + decarbonization				>	Coordination	time	BE V.3.a

Active ■ Continues FY23 > Includes grant or other funds * Partially funded ^ “time” = Council/staff time “Reference” = plan citation



Transportation & Land Use

Action	Q1	Q2	Q3	Q4	Outcome	Budget	Reference
Create walkable, transit-served neighborhoods thru LUMO rewrite				>	Ordinance	\$750k	TLU I.1.a-b
Complete the Estes Drive Connectivity Project				>	Infrastructure	\$1.1M*	TLU II.1.a
Complete the Old Durham-Chapel Hill Road Project					Infrastructure	\$1.7M*	TLU II.1.b
Complete the Fordham Sidepath Project				>	Infrastructure	\$227k*	TLU II.1.c
Complete sidewalks and multiuse path on Homestead Rd				>	Infrastructure	\$1.4M*	TLU II.1.d
Complete on-road bike lanes for Culbreth Rd					Infrastructure	\$10k*	TLU II.1.e
Complete bike lanes and multiuse path on Estes Dr Extension				>	Infrastructure	\$900k*	TLU II.1.f
Complete multiuse path and bike lanes on Elliott Rd Extension					Infrastructure	\$265k	TLU II.1.g
Complete Fordham Sidepath from Willow to Old Durham-CH Rd				>	Infrastructure	\$450k*	TLU II.1.h
Complete pedestrian improvements on NC 54					Infrastructure	\$43k*	TLU II.1.i
Evaluate bike lanes for Willow Drive east of Fordham					Infrastructure	\$22k*	TLU II.1.j
Evaluate bike lanes for Burning Tree Dr					Infrastructure	\$15k*	TLU II.1.k
Complete bike lanes on Country Club Rd					Infrastructure	\$22k*	TLU II.1.l
Develop next set of priority Mobility Plan projects					Strategy	time	TLU II.2.a
Finalize design for Ephesus Church Rd sidewalk and bike lanes					Design	\$94k	TLU II.2.b
Finalize design for Morgan Creek Trail West and East extensions				>	Design	\$500k^	TLU II.2.c
Monitor the federal infrastructure bill for project funding					Funding	time	TLU II.2.d
Develop a Wayfinding Strategy for Town's Mobility Plan					Strategy	\$50k	TLU II.3.a
Begin piloting signage and other wayfinding strategies				>	Infrastructure	\$100k*	TLU II.3.b
Have the Town join the Electrification Coalition for EV transitioning				>	Commitment	time	TLU III.1.a
Develop accelerated fleet electrification transition plan					Plan	time	TLU III.2.a
Apply for EPA DERA funding to purchase 1-3 electric refuse trucks					Grant Award	time	TLU III.3.a
Replace 1-2 Town fleet vehicles with all-electric options					Fleet EVs	\$26-52k	TLU III.5.a
Begin piloting 3 all-electric buses with charging station infrastructure					Electric Buses	\$3M*	TLU IV.1.a
Place order for up to 7 more all-electric buses					Electric Buses	\$8M*	TLU IV.1.b
Complete study for solar + battery storage at Transit facilities					Study	\$120k*	TLU IV.2.a
Participate in Duke Energy EV Stakeholder group for EV programming					Utility Program	time	TLU IV.3.a

Action	Q1	Q2	Q3	Q4	Outcome	Budget	Reference
Continue providing local fare-free transit service				>	Sustain Service	\$25M*	TLU V.1.a
Participate in Orange County Transit Plan to advocate for more service					Expand Service	time	TLU V.2.a
Complete the NEPA Documented Categorical Exclusion (DCE) for BRT					Documentation	\$680k*	TLU V.3.a
Issue RFQ to select consultant services to finalize BRT design					Design	\$4M*	TLU V.3.c
Issue RFP for consultant services to complete station area planning				>	Planning	\$300k*	TLU V.3.d
Identify funding to explore feasibility of east-west BRT on 15-501					Funding	time	TLU V.4.a
Develop EV station priority location mapping tool for Orange County					Strategy	time	TLU VI.1.a
Explore options for local EV readiness ordinance or Council policy					Ordinance	time	TLU VI.2.a
Evaluate options for streamlining EV charging station permitting					Procedure	time	TLU VI.3.a
Share EV charging station grant opportunities with property owners				>	Infrastructure	time	TLU VI.4.a-b
Evaluate Duke Energy's Park and Plug program for public housing					Infrastructure	time	TLU VI.4.c
Install 2 dual port charging stations at Town Hall					Infrastructure	\$12k*	TLU VI.5.a
Install 1 dual port EV charging station at Eubanks Park + Ride lot					Infrastructure	time*	TLU VI.5.b
Submit expression of interest form for 5 Duke Energy EV stations					Infrastructure	time*	TLU VI.5.c
Begin phase 1 of EV charging stations at Rosemary Parking Deck				>	Infrastructure	\$100k	TLU VII.5.d
Reorganize Transportation Management Plan (TMP) Guidance					Procedure	time	TLU VII.1.a
Work with Downtown Partnership to create more TMPs for businesses					Plans	time	TLU VII.1.b
Scope pilot program for Commute Friendly NC and Go Chapel Hill					Planning	time	TLU VII.1.c
Promote Go Chapel Hill TDM program					Outreach	\$0.5k	TLU VII.2.a
Promote Share The Ride NC and Commute Friendly NC					Outreach	time	TLU VII.3.a
Explore mobility on-demand with local and regional partners				>	Planning	time	TLU VII.4.a

Active ■ Continues FY23 > Includes grant or other funds * Partially funded ^ "time" = Council/staff time "Reference" = plan citation



Water, Wastewater & Natural Resources

Action	Q1	Q2	Q3	Q4	Outcome	Budget	Reference
Participate in creation of countywide Solid Waste Master Plan				>	Plan	time	WNR I.1.a
Coordinate with UNC to support community waste reduction					Coordination	time	WNR I.2.a
Launch compost pail program for Town employees					Outreach	\$3.8k*	WNR I.3.a
Respond to Council petition regarding storage basins and studies					Staff Report	time	WNR II.1.a
Respond to Council petition about review of stormwater regulations					Staff Report	time	WNR II.1.b
Create outreach plan to strengthen stormwater controls maintenance					Plan	time	WNR II.2.a
Promote water conservation through OWASA's AguaVista				>	Outreach	time	WNR II.3.a
Include water conservation as part of building upgrade program scope					Program Scope	time	WNR II.4.a
Expand rainwater sensor technology to enhance flood alert systems					Monitoring	\$9k	WNR II.5.a
Coordinate with Food Council on community food assessment				>	Assessment	time	WNR II.6.a

Active ■ Continues FY23 > Includes grant or other funds * Partially funded ^ "time" = Council/staff time "Reference" = plan citation



Resiliency

Action	Q1	Q2	Q3	Q4	Outcome	Budget	Reference
Determine who is most affected by climate stressors in Chapel Hill					Study	time	R I.1.a
Plant at least 200 or more canopy species trees					Infrastructure	\$40k*	R II.a
Work with consultant to develop a Green Infrastructure ordinance				>	Infrastructure	\$25k	R II.b
Present a "leave the leaves/healthy yards" campaign for Council					Program	time	R III.1.a
Begin recruitment of position to assist with climate outreach				>	Staff Support	time	R III.2.a
Move climate action plan implementation to the web				>	Outreach	\$6k	R III.3.a
Build and promote 1-2 climate action outreach campaigns				>	Outreach	\$6k	R III.4.a
Explore climate action as part of the Peoples Academy				>	Outreach	time	R III.5.a
Advocate for expanded water conservation measures					Planning	time	R IV.2.a
Scope future resiliency actions from strategies within plan					Planning	time	R IV.3.a
Finalize Orange Co. Long-Term Recovery and Transformation Plan					Planning	time	R V.1.a
Explore permanent options for Franklin St. COVID path					Infrastructure	time	R V.1.b
Communicate about disaster preparedness kits and how to make them				>	Outreach	time	R V.2.a
Explore what kind of disaster preparedness support is most helpful					Planning	time	R V.2.b
Scope future emergency management actions from plan strategies					Planning	time	R V.3.a

Active ■ Continues FY23 > Includes grant or other funds * Partially funded ^ "time" = Council/staff time "Reference" = plan citation