

## GHG Emissions and Sequestration Checklist

<i>Does the ZTA effect any of the following activities</i>			<i>If yes, is the activity likely to have a positive or negative impact on GHG emissions and sequestration?</i>	
<b>Transportation</b>	<b>No Impact</b>	<b>Yes</b>	<b>Positive Impact</b>	<b>Negative Impact</b>
Vehicle miles traveled by type (personal vehicles, commercial trucks or vehicles, rideshare, school buses, motorcycles)				
Number of trips (including considering single occupancy or carpool trips)				
Non-vehicle modes of transportation (scooter, bikes, walking)				
Public transportation use (public bus and Metrorail)*				
Electric vehicle infrastructure access (i.e., charging stations)				
<b>Building Embodied Emissions</b>	<b>No Impact</b>	<b>Yes</b>	<b>Positive Impact</b>	<b>Negative Impact</b>
Building certifications (e.g., LEED)*				
Building square footage				
Building life span				
Pavement infrastructure*				
Material waste produced				
Use of green building materials				
<b>Energy</b>	<b>No Impact</b>	<b>Yes</b>	<b>Positive Impact</b>	<b>Negative Impact</b>
Electricity usage (including distributed and renewable energy)				
Stationary fuel usage (natural gas, fuel oil, or LPG)				
Electricity efficiency (kilowatt-hour per square foot)*				
Stationary fuel efficiency (BTU per square foot)*				
<b>Land Cover Change &amp; Management</b>	<b>No Impact</b>	<b>Yes</b>	<b>Positive Impact</b>	<b>Negative Impact</b>
Area of forest*				
Area of non-forest tree canopy (i.e., number of trees on the ground, or percent of tree canopy cover per acre)*				
Area of green cover (i.e., meadow, grassland, turf, wetland, etc.)*				
Implementation of nature-based solutions <sup>1*</sup> <i>If available, please list the relevant solutions implemented:</i>				

<sup>1</sup> **Nature-Based Solutions** – sustainable planning, design, environmental management, and engineering practices that weave natural features or processes into the built environment to promote adaptation and resilience. Examples include green roofs and bioretention.

\* Overlaps with a Community Resilience factor.

## Resilience and Adaptive Capacity Checklist

Does the ZTA/Master Plan concern any of the following factors:			If yes, are changes to that factor expected to have a positive or negative impact on community resilience?	
<b>Exposure-Related Factors</b>	<b>No Impact</b>	<b>Yes</b>	<b>Positive Impact</b> (change reduces ppl or infra. experiencing a hazard)	<b>Negative Impact</b> (change increases ppl or infra. experiencing a hazard)
Activity in flood risk areas				
Activity in urban heat island				
Exposure to other hazards (e.g., storms, wind, drought)				
Other: _____				
<b>Sensitivity-Related Factors</b>	<b>No</b>	<b>Yes</b>	<b>Positive Impact</b> (change reduces impact severity)	<b>Negative Impact</b> (change increases impact severity)
Change to forest cover*				
Change to non-forest tree canopy*				
Change to quality or quantity of other green areas (e.g., wetlands, meadows, turf)*				
Change to impacts of heat (e.g., cool pavements, cool roofs, air conditioning, energy efficiency improvements)*				
Change in perviousness*				
Change in stormwater management system treatments				
Change to water quality or quantity				
Change to air quality				
Infrastructure design decisions (e.g., sizing, materials)*				
Other: _____				
<b>Adaptive Capacity Factors</b>	<b>No</b>	<b>Yes</b>	<b>Positive Impact</b> (change increases ability to respond and bounce back)	<b>Negative Impact</b> (change reduces ability to respond and bounce back)
Change to accessibility or prevalence of community and public spaces (e.g., libraries, air-conditioned cooling centers)				
Change to emergency response and recovery capabilities				
Change in access to transportation				
Change to accessibility or prevalence of local food sources and other goods				
Change in availability or distribution of economic and financial resources (e.g., employment, income equality, business size and diversity)				
Change to community connectivity (e.g., social connections, sense of place and belonging)				
Change in distribution of resources and support				
Other: _____				

\* Overlaps with a greenhouse gas emissions sector or activity