

GEORGIA TECH'S CLIMATE ACTION PLAN STRATEGIES

1 BUILDING ENERGY

We are committed to reaching net-zero emissions by 2050.

- 1.1 Transition to electrification of combustion-based heating systems.
- 1.2 Increase operational energy efficiency and conservation.
- 1.3 Develop standards for decarbonizing new buildings and renovations on campus.
- 1.4 Invest in targeted renewal for existing buildings.
- 1.5 Engage students in GHG reduction and climate action efforts for campus operations.

2 RENEWABLE ENERGY AND OFFSETS

We prioritize clean energy technologies to eliminate emissions.

- 2.1 Increase on-site renewable energy production.
- 2.2 Implement energy storage to support renewable energy projects.
- 2.3 Procure electricity generated from renewable and zero-emissions sources.
- 2.4 Explore carbon offsets as needed for remaining emissions.
- 2.5 Implement at least three campus Resilience Hubs by 2050.

3 MOBILITY

We optimize campus mobility through a variety of transportation modes that are accessible, affordable, and low- to no-emissions, considering environmental and human health impacts when determining and implementing transit and land use decisions.

- 3.1 Transition the campus vehicle fleet to zero-emission vehicles and equipment.
- 3.2 Increase sustainable and affordable commuting options.
- 3.3 Reduce emissions from airline travel.

4 MATERIALS MANAGEMENT

We support a thriving circular economy that focuses on upstream systems for achieving zero waste, ensures diversity in procurement, and supports our local community.

- 4.1 Become a zero waste campus by 2050.
- 4.2 Develop an Institute-wide sustainable procurement policy.
- 4.3 Integrate lifecycle approaches into campus design and planning.

5 WATER MANAGEMENT

We adapt our water infrastructure to be resilient to the impacts of climate change.

- 5.1 Implement greywater and blackwater reuse systems.
- 5.2 Increase water efficiency and conservation.
- 5.3 Continue to reduce campus stormwater runoff.

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EDUCATION

We prepare all students, regardless of discipline, to address climate-related challenges in their personal and professional lives.

- 6.1 Prioritize climate education across Georgia Tech's curriculum.
- 6.2 Expand climate action-related experiential learning.
- 6.3 Expand climate-related credential offerings.
- 6.4 Support student engagement around community-driven work outside the classroom.
- 6.5 Engage all staff, alumni, faculty, and students in life-long learning and collaboration centered on sustainability and the SDGs, including climate action.
- 6.6 Engage with other institutions to advance climate education.

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RESEARCH

We expand support for faculty, staff, and students to further innovative research and projects to address climate-related issues.

- 7.1 Increase investment into Georgia Tech's existing strengths in climate-related research.
- 7.2 Identify and shape future climate research opportunities in which Georgia Tech aspires to lead.
- 7.3 Leverage Georgia Tech's unique geographical location as a platform for climate-related discovery.
- 7.4 Accelerate the transition from climate research and theory to action.

8

CARBON SEQUESTRATION

We leverage the natural and physical resources of our campus to sequester and store carbon dioxide from the atmosphere.

- 8.1 Increase Georgia Tech's tree canopy coverage and biodiversity.

9

COMMUNITY, EQUITY, AND ACCESSIBILITY

We seek to ensure that fair and just climate policies and strategies are in place at Georgia Tech and that those policies and strategies prioritize affordable climate change solutions that support our internal and external community.

- 9.1 Increase support and engagement around community-driven work for climate solutions.
- 9.2 Prioritize evidence-based practices that incorporate equity and accessibility in managing the built environment.
- 9.3 Integrate inclusivity and cost effectiveness into Georgia Tech's climate action implementation, policies, practices, and procedures.
- 9.4 Set an internal social price on carbon.