



Identifying the most promising solutions for achieving carbon neutrality in Georgia.

Launched by the Ray C. Anderson Foundation, Georgia Drawdown will bring a Georgia lens to the foundational work of Project Drawdown™, which identified 100 global solutions for reducing emissions to the point that levels of greenhouse gases in the atmosphere begin to decrease. As a first step, experts from the Georgia Institute of Technology, Emory University, the University of Georgia, and other partner organizations are **assessing each of the 100 global solutions to determine their impact in Georgia**. In addition, this group is exploring **other possible solutions** that are not on the global list. The team is looking not only at the emissions impacts, but also the benefits that go **“beyond carbon”**: providing new economic opportunities for the state, advancing equity, and improving health.

Leadership Team

- **Marilyn Brown**, Regents' Professor and Director, Climate and Energy Policy Lab, Georgia Tech
- **Kim Cobb**, Professor and Director, Global Change Program, Georgia Tech
- **Michael Oxman**, Managing Director, Ray C. Anderson Center for Sustainable Business, Georgia Tech
- **Daniel Rochberg**, Instructor and Chief Strategy Officer, Climate@Emory, Emory University
- **Marshall Shepherd**, Professor and Director, Program in Atmospheric Sciences, UGA
- **Beril Toktay**, Professor and Director, Ray C. Anderson Center for Sustainable Business, Georgia Tech

Working Group Leads

- **Electricity Generation:** Marilyn Brown and Santiago Grijalva, Georgia Tech
- **Transportation:** Rich Simmons, Georgia Tech
- **Built Environment & Materials:** Dan Matisoff, Georgia Tech
- **Food Systems:** Sudhagar Mani and Jeff Mullen, UGA
- **Forestry and Land Use:** Puneet Dwivedi and Jacqueline Mohan, UGA
- **Beyond Carbon:** Michael Oxman and Laura Taylor, Georgia Tech; David Iwaniec, Georgia State

Timeline



Status as of November 06, 2019

Over the past several months, the Georgia Drawdown team and expert partners have reviewed more than 100 solutions based on the following criteria: geographic relevance, technology and market readiness, local experience and data availability, technically achievable CO₂ reduction potential, cost-competitiveness, and other considerations. At the same time, the team has begun to assess the “beyond carbon” considerations of each of these solutions.

Current List of Solutions

Below is the current list of solutions under consideration as of November 6, 2019. This list will be further analyzed and assessed in the months ahead.

ELECTRICITY GENERATION



- Solar Farms & Community Solar*
 - Rooftop Solar*
 - Cogeneration
 - Demand Response*
 - Biomass Power
- *Some coupling with storage*

TRANSPORTATION



- Energy-Efficient Cars
 - Energy-Efficient Trucks
 - Mass Transit
 - Aviation*
 - Electric Vehicles
- *Focused on airport ground transport*

BUILT ENVIRONMENT & MATERIALS



- Refrigerant Management
 - Waste Management*
 - Retrofitting*
 - Landfill Methane
 - Alternative Mobility*
- *Multiple technologies & markets*

FOOD SYSTEMS



- Reduced Food Waste
- Regenerative Agriculture
- Conservation Agriculture
- Composting
- Nutrient Management

FORESTRY & LAND USE



- Temperate Forests
- Forest Protection
- Afforestation
- Coastal Wetlands

BEYOND CARBON CONSIDERATIONS FOR EACH OF THE ABOVE

HEALTH

EQUITY

JOBS

ENVIRONMENT