



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

Launched by the Ray C. Anderson Foundation, Drawdown Georgia is bringing a Georgia lens to the foundational work of Project Drawdown™, which identified 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 **examined more than 100 solutions to estimate their drawdown potential in Georgia by 2030**. The team is now examining a short list of 21 high-impact solutions, holistically assessing their benefits and costs including economic opportunities for the state, water conservation and clean air, as well as advancing equity, and improving health.

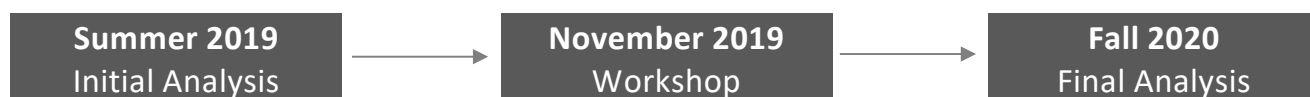
Leadership Team

- **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, 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, Beril Toktay, and Laura Taylor, Georgia Tech; David Iwaniec, Georgia State

Timeline



Status as of April, 2020

The Drawdown Georgia team and expert partners have reviewed more than 100 solutions based on the following criteria: geographic relevance, technology and market readiness, local experience and available data, significant achievable CO₂ reductions, and cost-competitiveness. At the same time, the team has begun to assess the “beyond carbon” considerations of each of these solutions, including health, equity, jobs and the environment.

Current List of Solutions

Below is the current list of solutions under consideration as of April, 2020. These solutions will be further analyzed and assessed in the months ahead.

ELECTRICITY GENERATION



- Cogeneration
- Demand Response
- Solar Farms & Community Solar
- Rooftop Solar

TRANSPORTATION



- Aviation Groundworks
- Electric Vehicles
- Energy-Efficient Cars
- Energy-Efficient Trucks
- Mass Transit

BUILT ENVIRONMENT & MATERIALS



- Alternative Mobility
- Landfill Methane
- Recycling / Waste Management
- Refrigerant Management
- Retrofitting

FOOD SYSTEMS



- Composting
- Conservation Agriculture
- Plant-Rich Diet
- Reduced Food Waste

FORESTRY & LAND USE



- Afforestation & Silvopasture
- Coastal Wetlands
- Temperate Forests Protection & Management

BEYOND CARBON CONSIDERATIONS FOR EACH OF THE ABOVE

HEALTH

EQUITY

JOBS

ENVIRONMENT