THIS POWER DIALOGUE IS SIMULTANEOUS & LIVE ACROSS THE U.S.











- 5:00 Marilyn Brown, Georgia Tech, Moderator, Welcome and Quick Overview
- 5:05 Eban Goodstein, Bard College, Recorded Message
- 5:10 Kim Cobb, Opening speaker, Director, Global Change Program, Georgia Tech
- 5:20 Marilyn Brown, Intro to Drawdown Georgia and the Power Dialogue Panelists:
 - 5:30 Nathaniel Smith, Founder and CEO, Partnership for Southern Equity
 - 5:40 Neela Ram, Climate Advisor, City of Atlanta
 - 5:50 **Shane Totten**, Director of Education + Research at Southface Institute
 - 6:00 Tim Echols, Vice-Chairman, Georgia Public Service Commission
- 6:10 **Q&A** from students (Alyson Laura to identify the top-voted questions)
- 6:30 **Discussion** open to all participants (more polling and chatting)
- 6:55 Closing remarks and adjourn at 7 pm









DRAWDOWN GEORGIA & THE POWER DIALOGUE PANEL













What are the most promising solutions for achieving carbon neutrality in Georgia?

Dr. Marilyn A. Brown Regents' Professor of Sustainable Systems Georgia Institute of Technology, April 7, 2020

The Power Dialogue is supported by a team of students from across Georgia





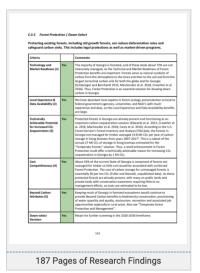




OPPORTUNITIES TO DO MORE ARE ABUNDANT

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









AND GEORGIA'S NATURAL SYSTEMS OFFER EVEN MORE SOLUTIONS

FOOD SYSTEMS



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

FORESTS AND LAND USE



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

BUT THERE'S MUCH TO BE DONE: MARKETS AND POLICIES NEED TO BE TRANSFORMED TO BRING THESE TO SCALE









GEORGIA AND ATLANTA CAN LEAD BY EXAMPLE: WHERE DO WE CURRENTLY STAND?



Energy-Based CO₂ Emissions

Per Capita Carbon Footprint

The World

33,300,000,000 metric tons

4.3 metric tons

IEA 2017 data



United States

5,133,437,000 metric tons

15.8 metric tons

EIA and US Census Bureau 2017 data



Georgia

141,700,000 metric tons

13.6 metric tons

EIA, GT-NEMS and US Census Bureau 2017 data



Atlanta Metro

City of Atlanta

74,000,000 metric tons

10,750,000 metric tons

12.4 metric tons

2017 data (Markolf, et al.)

21.6 metric tons

2018 data (Matt Cox)









OUR POWER DIALOGUE PANELISTS HAVE SOME POLICY RECOMMENDATIONS

5:30 Nathaniel Smith, Founder and CEO, Partnership for Southern Equity

5:40 Neela Ram, Climate Advisor, City of Atlanta

5:50 **Shane Totten**, Director of Education + Research at Southface Institute

6:00 Tim Echols, Vice-Chairman, Georgia Public Service Commission









TO REACH US AND STAY UP TO DATE:

- Email us at drawdown@gatech.edu
- Check out our websites:
- ✓ www.GeorgiaDrawdown.org
- √ https://cepl.gatech.edu/node/168



A BIG THANK YOU to the team of students and colleagues from across Georgia and across the U.S. – for helping to launch this Power Dialogue







