

RESILIENCE: REPARATIVE, RESTORATIVE

EQUITABLE
APPROACHES TO
PROJECT DEVELOPMENT

## RESILIENCE: THE VISION

MOVE AWAY FROM LONG TRANSMISSION LINES AND CENTRALIZED POWER PLANTS BURNING EXTRACTED, POLLUTING FUELS AND TOWARDS AN EQUITABLE, DISTRIBUTED SYSTEM THAT COMBINES LOCAL ENERGY STORAGE WITH RENEWABLES. BEAUTIFUL!

## SYSTEMS PRODUCE OUTCOMES ACCORDING TO THE VALUES ON WHICH THEY ARE FOUNDED.

The outcomes of our legacy energy system are clear. As the NAACP has <u>highlighted:</u>

- 68 percent of Black and African-American individuals live within 30 miles of a coal plant and are twice as likely to die from asthma than white Americans.
- Only 1.1 percent of those employed in the energy industry are Black, while Black households comprise more than half of those paying 10 percent or more of their entire income to keep the lights on.
- Black and Latino households <u>pay almost three times as much</u> for energy as higher income and white households.

## DO JUSTICE

- Revolutionize our Values
- Connect value with values
  - Organization
  - Economics
  - Process
  - Project
- Transform the System



# UTOPIA HIGUS AC



## CONNECTING VALUE WITH VALUES

- Market Design
- Economic Model
- Project Design
- Supply Chain
- Community Benefits
- Operation
- Transformation

## COMMUNITY-DRIVEN DESIGN: BREAKING BARRIERS IN GEORGIA

- Innovative Resilience Hub Serving the Atlanta University Center
- Part of the NREL Solar Energy Innovation Network
- Places Community at the Center of the Vision













## BREAKING BARRIERS: PROJECT OBJECTIVES

- 1. Plan an AUCC-wide **microgrid system** that includes **battery storage and new solar PV generation** increasing resiliency for HBCUs and surrounding West Atlanta community
  - a. Within microgrid, Identify a <u>Student Resiliency Center</u> supported by solar + battery system
- 2. Establish a **Community Resiliency Center** to serve emergency power needs for low- and moderate-income households in adjacent West Atlanta community, connected to the AUCC process
- 3. Build **new curricula** for HBCU students using the microgrid + solar as a living learning lab
- 4. Collaborate with IOU utility (Georgia Power) to ease interconnection, build technical and regulatory alignment



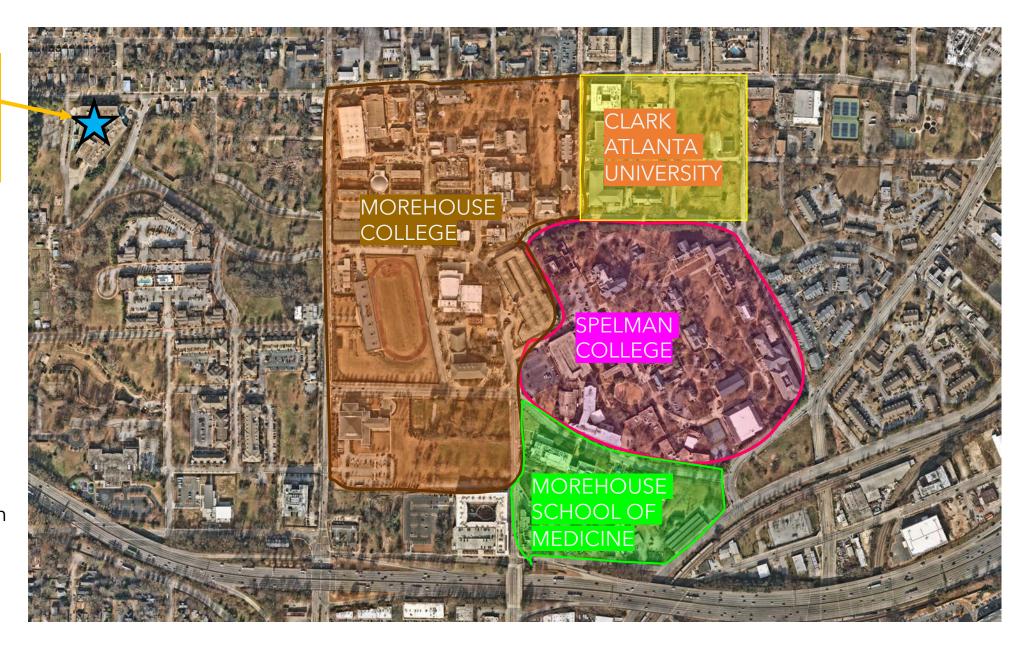


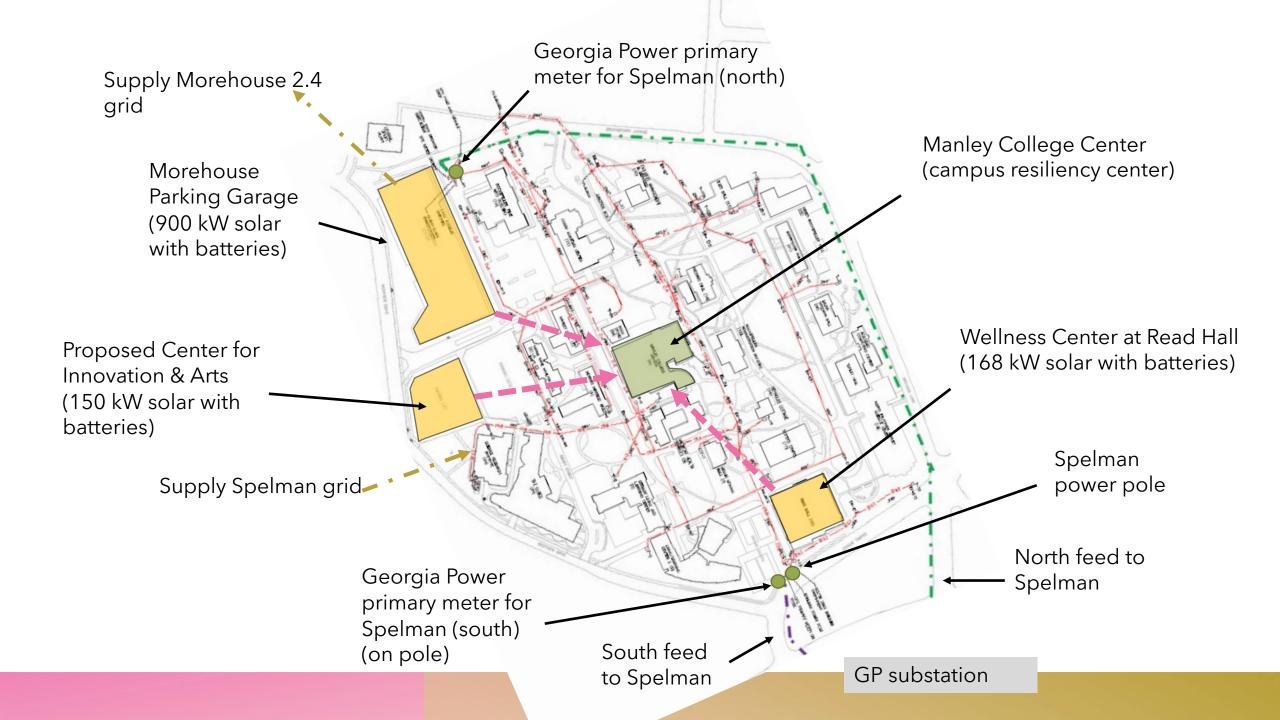
## COMMUNITY RESILIENCE CENTER PROCESS

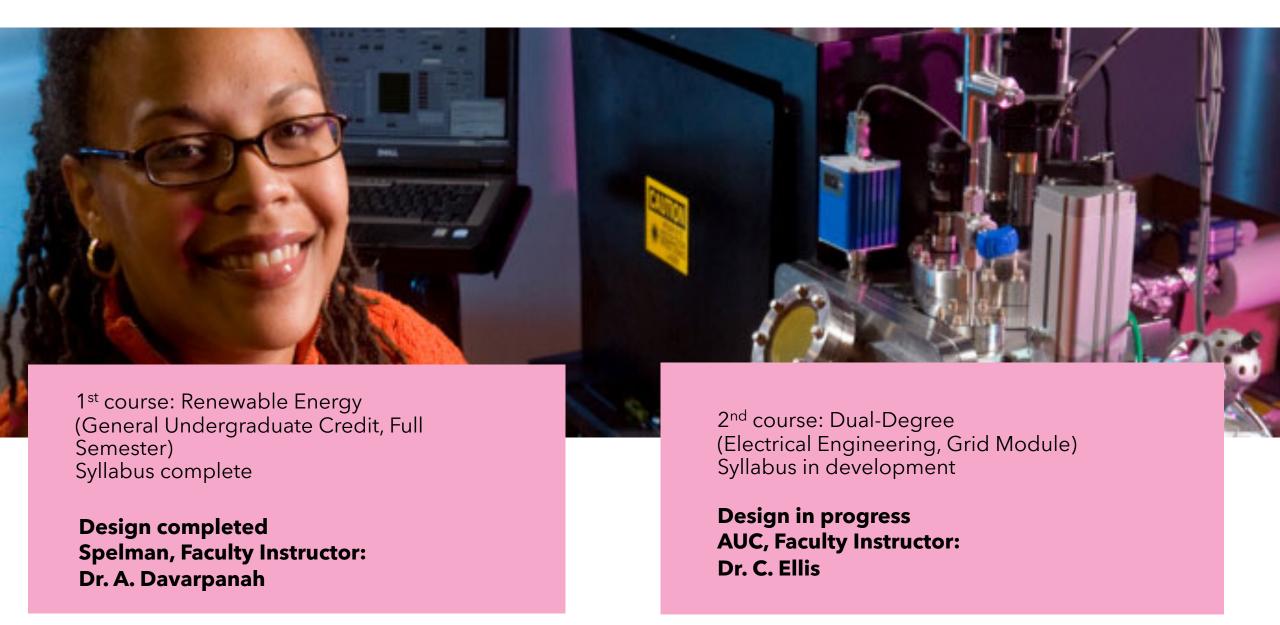
- Community visioning process led by Partnership for Southern Equity
- Evaluation of selected sites by technical group
- Engagement with City of Atlanta for support

M. Agnes
Jones
Elementary
School

Georgia Power evaluating loads, interconnection for site evaluation of community resilience now.



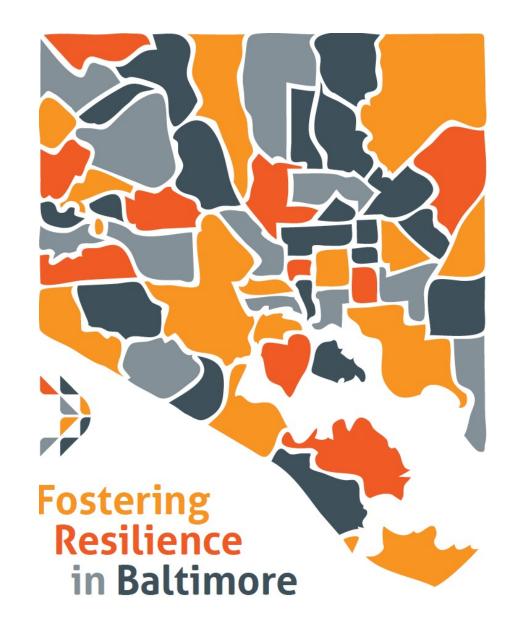




Exploring student workforce and fellowship opportunities with Georgia Power, and faculty research

## LOCAL LEADERSHIP: BALTIMORE'S RESILIENCY HUBS

- Convened and supported by the City of Baltimore
- Funding through the Maryland Energy Administration
- Community-driven decisions
- Service at the center



## BALTIMORE'S COMMUNITY RESILIENCY HUBS

- Demonstrate
- Learn
- Share
- Replicate
- Deploy
- Scale!











## QUESTIONS FOR Y'ALL: ALIGNING VALUE WITH VALUES

- How can you express justice is your project?
- How can we value equitable and just outcomes? What shared goals/measures can help keep teams on track?
- What incentives could support community-led innovation?



U.S. Navy Naval Facilities Engineering Command's 19.3-megawatt solar project and 70-megawatt-hours battery energy storage system shares power with the Kauai Island Utility Cooperative

## SHARE POWER: COMMUNITIES + CORPORATES

- Defining Principles, Processes for Sharing
- Working Wisdom: Illuminating Pathways
- Partnership: REBA, The Solutions Project

## PEOPLE-POWERED UTILITIES: EQUITY-DRIVEN LEADERSHIP

- Resilience reduces costs, creates new service revenue
- Cost savings and benefits shared with residents
- Solar projects located on Black family farms, building generational wealth
- Rural leadership!



### BIDEN-HARRIS: THE JUSTICE 40

- The Justice40 is a Biden-Harris Administration initiative to direct 40% of the benefits of the Administration's investments in clean energy and climate into disadvantaged communities. The Justice40 was first announced in the Build Back Better Plan and was implemented by Executive Order as a part of the Administration's climate plan.
- Build Back Better Justice 40 Plan: <a href="https://joebiden.com/racial-economic-equity/">https://joebiden.com/racial-economic-equity/</a>
  - Covered investments: clean energy, energy efficiency, transit and transportation, affordable and sustainable housing, training and workforce development, remediation and reduction of legacy pollution, development of clean water infrastructure.
- Justice40 in the Climate EO: <a href="https://www.whitehouse.gov/briefing-room/presidential-actions/2021/01/27/executive-order-on-tackling-the-climate-crisis-at-home-and-abroad/">https://www.whitehouse.gov/briefing-room/presidential-actions/2021/01/27/executive-order-on-tackling-the-climate-crisis-at-home-and-abroad/</a>

## TOWARDS REGENERATION

IT'S THE PRIVILEGE OF OUR GENERATION TO BE ALIVE AT A TIME WHEN WE CAN MAKE THINGS RIGHT.