

# NanoResearch Team Summary Slide

**Title: Increasing Participation of Disadvantaged Groups in Battery Research, Education & Workforce Development, and Entrepreneurship for Sustainable Job and Wealth Creation**

## NanoResearch Team

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## Project Mission & Planned Activities

- ❖ **Mission:** Serve a bridge between DOE and disadvantaged communities for advancing clean energy and climate improvements through battery technologies
- ❖ **Target beneficiaries:** High schools from disadvantaged communities; and minority STEM college students that lack access to clean energy jobs and small businesses that lack access to government funding and innovative technologies from national labs
- ❖ **Jobs:** Technological skills training to significantly increase Black Americans participation in battery technologies R&D, education and workforce development
- ❖ **Incubation:** Battery technology transfer to contribute to transforming the City of Atlanta and State of Georgia to be a world leader in innovative battery R&D, manufacturing and services.
- ❖ **Growth:** Assist target disadvantaged communities to secure federal, state, or private sector funding to participate in the training program and the climate change, and *Justice40* projects

## Anticipated Impacts in 2 to 5 Years

- ❖ **Community Engagement:** At least 100 low-income residents participated in awareness events for clean energy and climate change job opportunities
- ❖ **Online Battery Training:** Training at least 250 students and high school science teachers to become potential pipeline of clean energy professionals
- ❖ **Practical Battery Training (New):** Training at least 100 STEM students in battery making who secured clean energy jobs as production technicians and engrs.
- ❖ **Battery Manufacturing Apprenticeship:** Training at least 250 STEM students who secured jobs upon completion
- ❖ **Battery R&D Internship:** Training at least 50 STEM graduate students and post-docs as scientists, engineers and energy business owners
- ❖ **Battery Entrepreneurship:** Training at least 200 undergraduate and graduate students, and small businesses in federal clean energy technology transfer opportunities and funding

## Anticipated Impacts in 5 to 10 Years

- ❖ **Job placements:** Achieve significant hiring of Black Americans as battery production technicians, scientists and engineers, managers, and/or owners of domestic battery manufacturing enterprises that make competitive products
- ❖ **Project sustainability:** Obtain federal and private sector grants to sustain the EWD activities
- ❖ **Economic diversification:** State of Georgia and USA generate significant revenue from battery R&D, battery manufacturing, and related energy services