

ACCEL (Accelerating and Catalyzing Clean Energy Leadership)

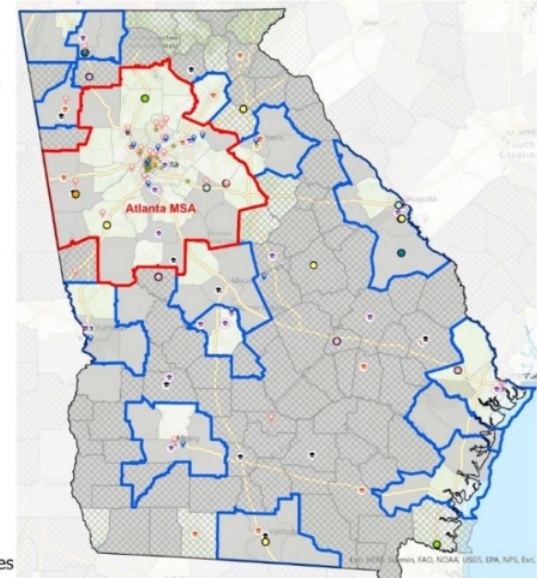
Vision: Within 10 years, make GA a globally dominate clean energy technology region with an equitable, vibrant workforce and continuum of technology innovation, entrepreneurship and commercialization

- Over 70 GA entities (universities, industry, government, non-profits and communities) have engaged
- Clean Energy Technology Pillars in PV, Batteries, Hydrogen and EVs
- Technology Cross-cuts: Critical Minerals, AI and Cybersecurity leveraging the ecosystem of GA-AIM (Artificial Intelligence for Manufacturing)
- Develop roadmap for R&D needs, workforce, supply-chain, deployment and commercialization to achieve net-zero goals
- Increase commercialization and entrepreneurship in clean energy technologies
- Enable a pathway for new, high-wage, high-quality jobs and developing a well-trained clean energy workforce
- Planning with underserved and underrepresented populations in the economic benefits realized by Clean Energy technologies – from innovation through implementation
- Develop a more resilient domestic supply chain that is prepared to compete globally within the clean energy sector

ACCEL The Ecosystem

Legend

- Company Locations
- Automotive Supply Chain (Related to Clean Energy)
 - BEV Supply Chain
 - Battery Electric Vehicles
 - Battery Manufacturing
 - Battery Recycling
 - Biofuels Manufacturing
 - Hydrogen Manufacturing
 - Solar Manufacturing
 - Incubators
 - Testbeds
 - ACCEL Partners
 - R1 Universities
 - Universities
 - Georgia Technical Colleges
 - Minority Serving Institutions
 - Atlanta MSA
 - Georgia MSAs
 - Rural Counties
 - Distressed Counties



Son Solar Mississippi

Clean Energy Manufacturing in Mendenhall, MS

Team Members

Stephen Shelton
Ken Whiteside
Diana Fisler, PhD
Suzanne Keys, J.D.

Son Solar, Inc.

Mendenhall, Mississippi
Scottye Holloway, D.Min. , President

Team Partners

Simpson County
Development Foundation
Co-Lin Community College
City of Mendenhall
Simpson County
City of Magee
EcoSnap

**A roadmap to establishing clean energy manufacturing,
economic development, and job creation in the LMI rural community of Mendenhall, MS**

Identify City, County and State Government stakeholders and build support.

Identify additional development partners and stakeholders and strengthen relationships.

Meet monthly with stakeholders and partners to discuss planning progress.

Identify potential manufacturing facilities locations.

Begin planning process to specify infrastructure needs to support processes and procedures for the EcoSnap effort. (facilities size and characteristics, tools and equipment, support services from state agencies and staffing needs, etc.).

Assist EcoSnap with the development of a business structure and local leadership team with the help of our local development entities we are partnered with.

Identify funding needs and potential sources for the EcoSnap effort and future manufacturing companies and facilities.

MAKE IT Prize
Strategies
Track



INLAND SOCIAL ADVANCED MANUFACTURING INITIATIVE

MAKE IT Prize Strategies Competition Round 2

led by:



in partnership with:

- California Governor's Office of Business and Economic Development (GO-Biz)
- Center for Sustainable Energy
- California's Manufacturing Network
- Inland Economic Growth and Opportunity

with additional support letters



Project Overview – Delaware Sustainable Clean Energy Coalition

This project will bring together Delaware community partners, universities and community colleges, industry professionals and entrepreneurs, with environmental justice organizations to gather input and build a comprehensive roadmap to enable Delaware to become a hub for clean energy innovation, production and workforce development.



**American Sustainable
Business Network**

Coalition

BASEstud.io, a Delaware public benefit corporation in partnership with the Foundation for Renewable Energy and Environment, Delaware Prosperity Partnership, American Sustainable Business Network and the New Castle Prevention Coalition will build a path for sustainable clean manufacturing that produces a thriving clean energy economy for our front line communities, those experiencing the first and worst effects of global warming.

Region - Delaware

Last year, President Biden's home state became the first in the country to set up a committee to carry out the Justice40 Initiative.

This grant will be instrumental in advancing Delaware's transition to clean renewable energy manufacturing and provide tangible benefits to residents, including improved health outcomes, job opportunities, and financial savings.

Utilizing all our strengths is key to overcoming climate change.

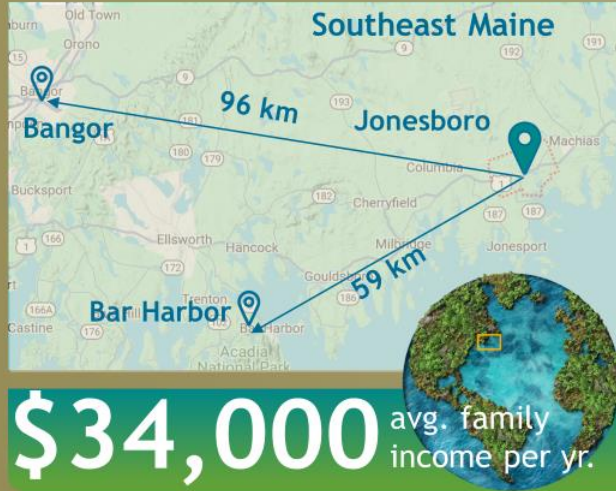
Qualifications

- Delaware is designated a federal tech hub.
- "Best business environment", US News and World Report 2023
- Delaware's manufactured industry is worth nearly \$5.6 billion
- University of Delaware's Science, Technology, Advanced Research (STAR) Innovation Facility
- Delaware Technology Park
- Port Wilmington
- Proximity to major cities
- Logistical infrastructure in place

Bioproduct Innovation Engine

Jonesboro, Maine

STRATEGIES TRACK SUBMISSION SUMMARY



Team Innovate Jonesboro develops novel bioproducts manufacturing capacity throughout Maine and the surrounding region, tailored to benefit disadvantaged communities and the environment. With an average yearly income of around \$34,000, communities in Jonesboro will directly benefit from our proposed innovation engine project by introducing novel bioenergy products, creating new manufacturing jobs, and increasing parity in Maine's clean energy transition.

Meet the Team:



BORN GLOBAL
Ecology • Education • Employment

Kimberly Samaha
Founder & CEO,
Born Global



Nicholas Heier
Building Innovation
& Biomimicry



Cooper Yerby
Biomimetic
Energy Systems



Infrastructure



Create clean bioenergy products manufacturing facilities and regional energy storage solutions

Population



8%

Washington County, Maine's fastest growing region, expects an 8% population growth by 2030.

Rural Revival



4%

A regional job market dominated by an ailing forestry industry with a 4% job reduction in the past 5 years.

Empowering Voices



31%

The Passamaquoddy comprise 5% of the county population, 31% of tribal members live in poverty

Project Vision



Transform an aging biomass power plant into an innovation hub for novel bioenergy products.

Economic Impact



Boost regional green energy supply. Create skilled manufacturing jobs. Est. a clean energy innovation hub

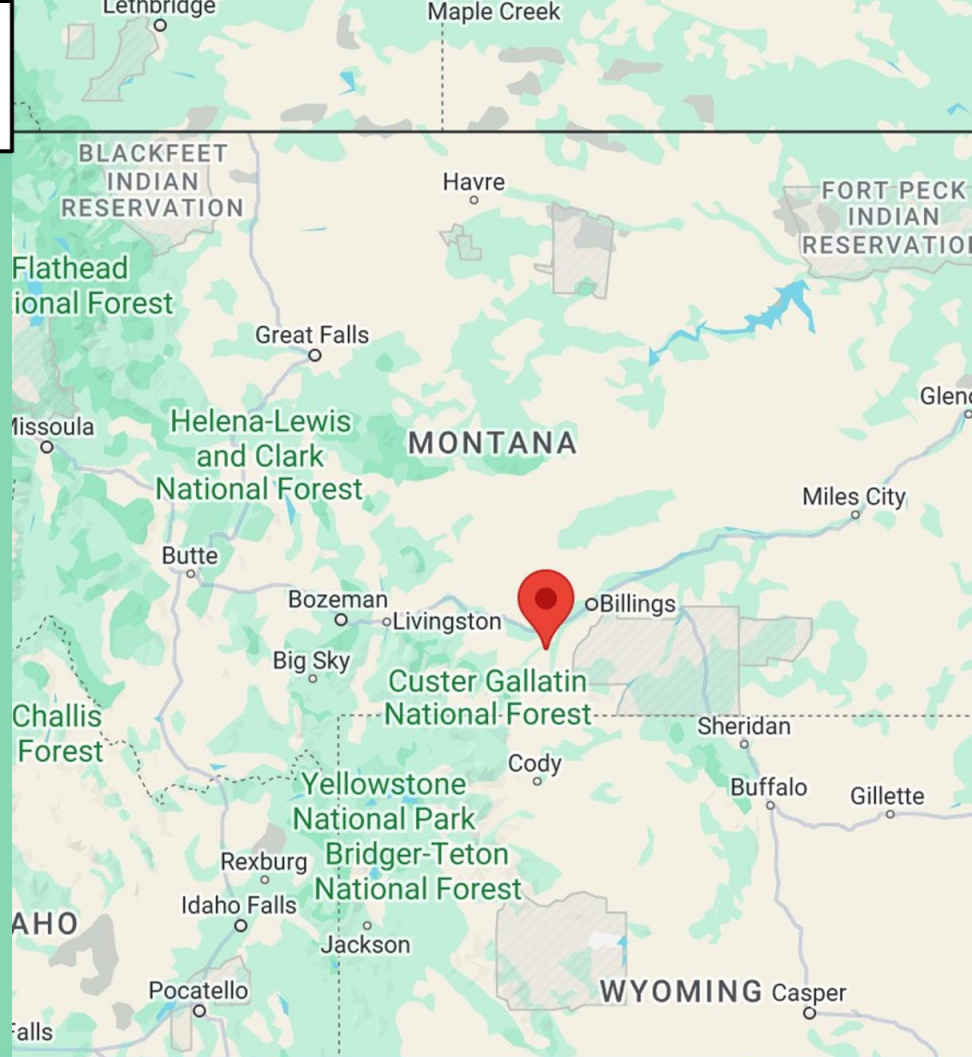


Montana

Joliet Commercialization Coalition (JCC)

Joliet is a Resource Conservation and Development Priority Area . One of six Brownfields totaling nearly \$5.7 million for cleanup and revitalization projects in communities across Montana. We are expediting the assessment and cleanup of brownfield sites while advancing clean energy manufacturing and environmental justice.

Partners: Northern Cheyenne Tribe, Beartooth Resource Conservation & Development, Montana State University Energy Research Institute, Big Sky Economic Development, the United Steelworkers (USW), International Brotherhood of Electrical Workers (IBEW), IEEE Young Professionals, IEEE Power & Energy Society Women in Power Committee, and the IEEE PES Power System Operation



Make It Mohawk Valley

Mohawk Valley Project

The potential impact of clean energy technology manufacturing could be transformative to the region and could put us at the forefront of the clean energy sector. Our region is already at the crossroads of clean energy facilities such as Wolfspeed, GlobalFoundries, and NYCREATES and we have industry adjacent companies that will play an important supporting role in clean energy such as metal fabricators, electrical wiring companies, and specialty tool manufacturers. The Mohawk Valley could potentially have a renaissance of development within the clean energy sector and become an innovation hub.

Mohawk Valley Region

The Mohawk Valley Region is located in the central part of New York State and consists of the following counties: Fulton, Herkimer, Montgomery, Oneida, Otsego, and Schoharie. Clean energy employers have already been recruited to the area including Wolfspeed, Semikron Danfoss, and Ixus. The area has well-established manufacturers along the Erie Canal corridor, with a supply chain in primary metals, machined components, innovation, and skilled trades.

- Largely Rural with Several Small Urban Centers
- Population of 483,000
- History of Manufacturing

Mohawk Valley Team

The Mohawk Valley Team consists of six like-minded organizations that have experience in promoting economic development throughout the region and in supporting domestic manufacturing that produces quality jobs. We are interested in the economic health and well-being of the region.



METAL FUELS ALLIANCE: CREATING A ZERO-WASTE METALS SUPPLY CHAIN



THE PROJECT

Brings together partners to advance the manufacture of green alumina, catalyzing deep industrial decarbonization along the I-64 Corridor between Richmond and Hampton Roads, Virginia.

TEAM & COMPETENCIES

Partners include Dominion Energy Innovation Center, GH Power, major utilities, plus community, labor & tribal organizations. Team competencies include: extensive experience with energy entrepreneurs and startups, statewide partners, global track record of multi-billion dollar project implementation, innovative and proprietary technology, specialized knowledge in material science and metal recycling.

PROJECT GOALS

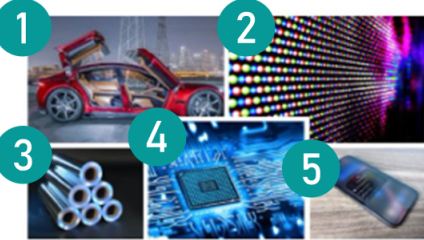
Innovate Alumina production, accelerate the transition to green energy, and establish Virginia's clean energy leadership in pursuit of addressing DOE's Justice40 priorities around tech parity and enterprise and job creation.

Project Roadmap: Stages

- **Phase I: IDENTIFY**
 - Foundational work to identify partners, potential sites, community organizations
- **Phase II: ENGAGE**
 - Implement community engagement plan, assess labor needs, develop commercial strategies and logistical frameworks
- **Phase III: SETTLE**
 - Transition from planning into action, finalize contracts, produce executable project plan

The Region - Why Here?

- **I-64 Innovation Corridor:** Richmond to Virginia Beach
- Megaregion employs 1.4M+, with skilled workforce and depth in traditional energy jobs that can transition to green jobs
- Key energy and industrial assets
- Diverse workforce, including tribal presence
- Many federally-recognized disadvantaged communities, DOE Energy Communities
- State incentives including brownfield restoration, coal asset transition, and workforce training



- Alumina Industry Demand**
1. Lithium-ion batteries used in electric cars
 2. LED lighting
 3. Closed-loop process back to aluminum smelter
 4. Semi-conductor substrates
 5. Scratch-proof glass used in smart phones

ENGAGEMENT PLAN

- Utilize variety of tools to connect to and gather information from local populations, labor, and tribal groups
- Includes plans for initial survey, 1:1 leadership meetings, open houses, roundtables, job fair, other outreach

IMPACTS

- Transition coal and declining shipbuilding jobs to green jobs, onshore alumina production, bring advanced manufacturing facilities, produce clean hydrogen and carbon-free energy



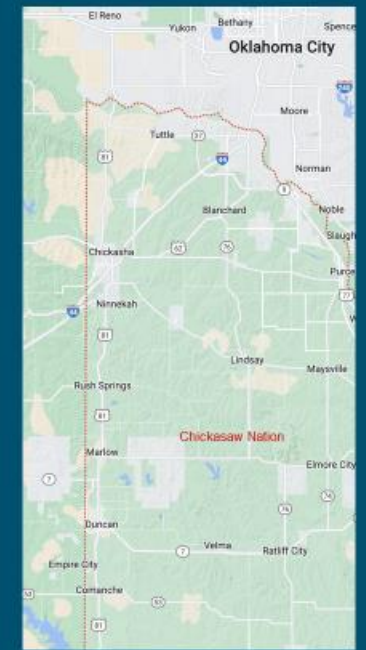
PROJECT 81

An Incubator Corridor in Oklahoma to Transition Small Manufacturers into Clean Energy



Overview:

Project 81 aims to establish advanced manufacturing incubators along US Highway 81 in Oklahoma. The goal is to modernize and expand the existing manufacturing base by providing access to advanced manufacturing technologies, which are often too expensive for small manufacturers. Additionally, the project will create workforce development programs in coordination with the Oklahoma Career Technical System. These incubators will enable small manufacturers to transition into the clean energy industry.



Prize Goal:

The MAKE IT prize would enable Project 81 to create a sustained advanced manufacturing incubator space in Chickasha, OK. This endeavor involves repurposing a deteriorated facility, determining gaps between local manufacturers' facility capabilities and the demand from clean energy manufacturing sector, and creating a committee representing local manufacturing suppliers and clean energy OEMs.



Quincy's Strategy to "Make It" Happen!

Attracting clean tech manufacturers and fuel cell developers to create employment opportunities and economic growth for our rural community.





Rosebud Sioux Tribe

MAKE IT ON THE ROSEBUD RESERVATION

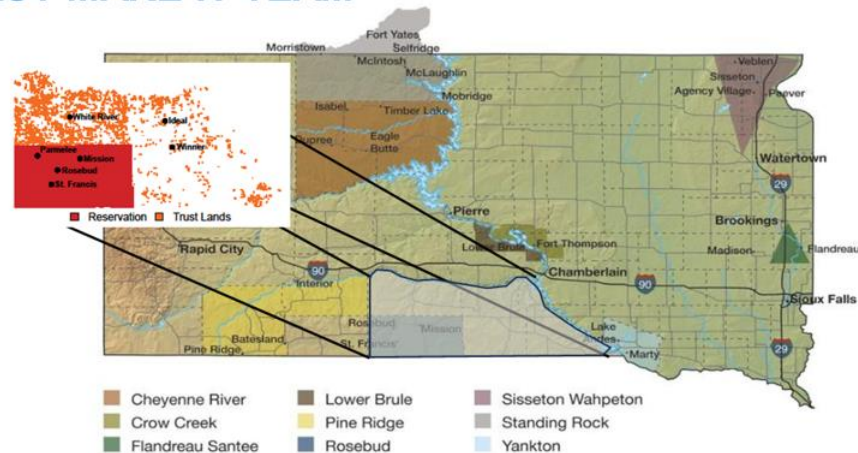
SUBMITTED BY: RST MAKE IT TEAM

Project Summary

The Rosebud Sioux Tribe (RST) MAKE IT team is comprised of people experienced in Tribal economic development and developing clean energy projects on the Rosebud Reservation. The clean energy transition in the US is an opportunity for RST to integrate our Lakota culture into economic development. Attracting manufacturing to the Reservation could be a significant change in our economic condition and outlook as our Reservation includes one of the poorest counties in the country. Our integrated approach to develop our workforce, implement clean energy projects and provide clean energy that is affordable and reliable with long term price stability will benefit our partners as well as our people.

Project Outcomes

Our project will integrate our clean energy efforts to attract related manufacturing partners to the Reservation. We see the energy transition as an opportunity to invigorate our local economy and Lakota cultural values with manufacturing, opening the door to new opportunities and leading the way for our economic development efforts.



Mission

Engage our communities and partners early to understand our clean energy efforts and the resulting job and business opportunities

Educate our communities in clean energy and sustainable tech

Listen to the wisdom of our Lakota elders to inform our plans

Our project will provide a model to make Federal investments work in Rural America.

South Arkansas Green Energy Project

- The South Arkansas Green Energy Project has united four partners for the purpose of applying for the MAKE-IT Strategies Track Engage Prize
 - The City of Strong Arkansas,
 - Southwest Arkansas Planning and Development District (SWAPDD),
 - University of Arkansas Pine Bluff (UAPB, a Historically Black University)
 - Black Community Development and Chamber of Commerce of Arkansas (BCDCCA).

The South Arkansas Green Energy Project is focused upon attracting Clean Energy Manufacturing to the City of Strong, which is a distressed community in Union County, with 32% of its population below the poverty line. Union County (Strong, El Dorado) and Ashley County (Crossett) are also distressed Counties according to the definitions released by the Delta Regional Authority (and the Economic Development Administration. Strong sits roughly equal distance between El Dorado and Crossett and is 6 miles north of the Louisiana Border, which is strategically located to serve as a development bridge between two major municipalities and a neighboring State with growing economic base. The development of a Clean Energy Manufacturing plant in Strong will be a boon for both increased procurement with local and regional businesses and increasing the workforce within Strong and pulling potential workers from the 84,608 adults in the labor force within 50 miles of Strong.

