



2019 WORKFORCE GRANTS | FLORIDA

Duke Energy awarded grants totaling more than \$715,000 to organizations throughout Florida. The grants, from the Duke Energy Foundation, support workforce education and training programs that prepare future workers to develop innovative solutions for the energy industry's most pressing challenges.

ORGANIZATION

AmSkills Apprenticeship Foundation

AmSkills Pre-Apprenticeship Training Program

Boys and Girls Club of North Central Florida Inc.

Synergy - Innovation in Workforce Education

CareerSource North Florida

Power/Energy and Robotics

SERVICE

AmSkills pre-apprenticeship training program trains high school graduating engineering students or adults interested in launching a career in the manufacturing/energy industry. The three-month program provides skills training, job exploration, power industry and manufacturer tours, job placement assistance, and follow-up coaching and apprentice training.

Synergy serves underserved youth in rural North Central Florida with a national energy education curriculum, energy career exploration and training leading to the completion of one or more nationally-recognized technology certifications.

Madison County High Schools' rigorous career academy for Energy and Power and Robotics provides skills in energy and power generation, distribution and management as well as the field of robotics. Funding provides instructor continuing education, up-to-date materials and supplies, upgraded software and career immersion opportunities.

LOCATION

Hernando, Pasco, Pinellas

Taylor, Lafayette

Madison

Consortium of Florida Education Foundations Inc.

Connecting Teachers, Foundation and Industry Leaders to Increase Peer-to-Peer Learning and Workforce Partnerships

Three regional workshops connect teachers, school foundations, workforce and industry leaders to increase partnerships focused on career pathways and workforce gaps in the power industry and other STEM careers. Also, supports graduates of Florida Department of Education Summer Science Symposium by offering opportunities for year-long sharing and peer-to-peer learning.

ALL

Education Foundation of Gulf County

Drone UAV Careers of the Future

The Port St. Joe High School Drone UAV program prepares students for employment and advanced educational training in the field of unmanned aircraft systems. Drones are expected to be an \$82 billion industry in the United States by the year 2025. They supported Gulf County's recovery following Hurricane Michael.

Gulf

Florida Education Foundation

Next Generation Summer Science and Math STEMposium

Teacher scholarships and curriculum design for The Next Generation Summer Science and Math STEMposium providing a rich summer learning experience for Florida science, math and computer science teachers. Sessions included activities aligned to the Next Generation Sunshine State Standards and focused on energy, engineering and environment. Power industry experts shared hands-on applications in the energy field, as well as career pathways.

ALL

Florida Chapter of American Association of Blacks in Energy <i>Youth Energy Academy 1 & 2 and AABE Florida Scholarships</i>	Implements Youth Energy Academies for middle and high school students in three locations in the Duke Energy service area in collaboration with other power industry employers. Launches a pilot program for job ready students from the community college providing them information on careers within the power industry focusing on entry and mid-level positions in engineering, craft and technical, customer service, distribution and transmission. Provides scholarships for minority youth to attend a four-year institution majoring in a field related to the power industry.	Marion, Orange, Pinellas, Polk
Gainesville Area Chamber of Commerce Foundation, Inc. <i>Smart Cities Greater Gainesville</i>	“Smart Cities Greater GNV” promotes energy careers that aid smart city development. A community marketing campaign will bring awareness about the role energy plays in changing the landscape of our cities. Sixth-twelfth grade students attend field trips to help them consider their role in making cities more connected and resilient. Field trips focus on needs of the future and how careers in energy will intersect.	Alachua, Columbia, Gilcrest, Levy, Marion
Hispanic Heritage Scholarship Fund of Metro Orlando <i>Scholarships and Student Programming</i>	Funds engineering and engineering technology scholarships for low income Hispanic students working toward degrees in the engineering fields in Central Florida	Lake, Orange, Osceola, Seminole
Lake Sumter State College Foundation, Inc. <i>Advancement of Energy Technology</i>	Advances and updates the college’s energy technology programs to meet the current power industry workforce needs for lineworkers, relay technicians and other technical positions.	Lake, Sumter
Pasco-Hernando State College Foundation, Inc. <i>Elevating Engineering Achievement and Career Attainment in Pasco and Hernando Counties</i>	Provides scholarships for students to pursue Engineering and Design & Drafting Associate in Science degrees or certificate programs in Engineering Technology Support, Automation, Pneumatics Hydraulics & Motors, AutoCAD, and Welding, preparing students to enter and succeed in energy and other technical fields. Attracts more female participation in engineering programs targeted events.	Citrus, Hernando, Pasco, Pinellas
South Florida State College Hardee Campus <i>Electrical Lineworker Career Certificate program</i>	Provides enhanced and up-to-date equipment for the college’s current lineworker training program to increase real-life training opportunities, enhance job readiness and prepare for natural disaster/hurricane recovery efforts. Serves 50-75% underserved students including many bilingual Hispanic trainees.	Hardee, Highlands

St. Petersburg College Foundation <i>Engineering in Energy (E2)</i>	<p>St. Petersburg College's Engineering in Energy (E2) program addresses the growing shortage of energy industry workers in Tampa Bay by building a sustainable pathway from community engagement to education and future employment. E2 focuses on the talent pipeline of minority and economically disadvantaged individuals through creative community workshops, accessible academic support, and scholarships targeted for First Generation Engineering Technology students.</p>	Pinellas
The Foundation for Osceola Education Inc. <i>The Pipeline Program</i>	<p>The Pipeline Program exposes students to future careers in construction in Osceola County through field trips, mentoring, apprenticeships, summer camps, and speakers' bureaus. The goal is to build awareness of opportunities in high-wage construction careers like power industry craft worker positions.</p>	Osceola
University of Central Florida Foundation, Inc. <i>College of Engineering and Computer Science – Programs to Transition Students to Energy Industry Careers</i>	<p>UCF is developing a diverse workforce of engineering and computer science leaders prepared for the power industry of the future. Support covers a mentoring initiative for female engineering students, supplies for real-world senior design projects, a leadership seminar series, undergraduate research experiences and additional Diversity and Inclusion programs to ensure student retention and success.</p>	. ALL
University of South Florida Foundation, Inc. <i>Advancing Engineering and Environmental Education Across Generations</i>	<p>Support for two summer programs to advance learning in engineering, science and the environment. Includes a teacher technology training boot camp for professional development and a summer camp for girls pursuing careers in science and engineering.</p>	Pinellas
Valencia College Foundation, Inc. <i>Duke Energy Scholarship Program for Female Engineering Students</i>	<p>Valencia seeks to increase the number of qualified female engineers within the local workforce through recruitment, scholarships, academic support, internships, mentoring and job placement. Supports scholarships for females from underserved groups seeking an Associates in Arts degree with the goal of an engineering degree.</p>	Orange
Wakulla County School Board <i>Alpha Tech – Digital Tool Certification</i>	<p>A pre-engineering certificate program, conducted over the summer, exposing middle school students to computer programming and critical thinking skills. Designed to generate interest in careers in engineering. Allows students to earn industry credentials in database essentials, cybersecurity and other areas</p>	Wakulla