

Carrie Black, M.S., GGP, LEED GA

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EXPERIENCE

Orange County Government

Orlando, FL

Chief Sustainability & Resilience Officer

September 2022- Present

- Lead the sustainability efforts of the fifth largest county in Florida, including decarbonization and renewable energy goals for County operations.
- Secure multiple grants over \$1.2 million including federal and state, including EECBG and Resilient Florida Planning Grant, to address energy efficiency within county buildings and identify flooding vulnerability of critical assets within our county and municipalities.
- Launched a strategic plan to convert Orange County's light-duty fleet to 100% electric or alternative fuel vehicles by 2030 aimed at reducing greenhouse gas emissions, enhancing vehicle efficiency, and lowering operating costs and maintenance downtime.

Valencia College

Orlando, FL

Director, Energy Conservation & Sustainability

July 2018- August 2022

- Drove the creation and execution of energy conservation measures (ECM) and operational sustainability strategies, including earning President and CFO approval for carbon neutrality and waste and water reduction goals for the College with 65,000 students and 2.5 million square feet across 12 locations.
- Led the Office of Sustainability team, directing and coordinating team and cross-departmental collaboration on wide-ranging projects from internal HVAC technician training and chiller plant repair consulting to behavior modification competitions and waste reduction program launches.
- Managed the College's \$3 million utilities budget and analyze data from over 60 meters for electric and chilled water consumption. These meters, part of the building automation system (BAS), provide real-time data that is examined in order to identify trends, and develop solutions to improve building efficiencies.
- Successfully got a \$500,000 federal grant for solar installation on-campus.
- Launched a first of its kind in higher education in Florida, post-consumer food waste diversion program for students and faculty in the cafeteria of the largest campus with over 34,000 students, in partnership with the City of Orlando. Oversaw the project from initial pitch to successful implementation. Diverted over 3,500 pounds of food waste in the first semester.
- Conducted electric vehicle (EV) feasibility studies and cost analyses for different potential solutions to add EV charging stations on campuses.
- Worked with Campus Stores to review e-textbook adoption. Ordering process changes resulted in a 25% increase in e-textbook selection from previous semesters, also reducing transportation-related emissions.
- Conducted a solar feasibility and design study to make an entire campus net zero energy. Researched new PV mounting technology and its application on different roof types.

Jacksonville University

Jacksonville, FL

Sustainability Coordinator and Instructor

November 2016- June 2018

- Oversaw an ASHRAE Level II energy audit of 19 priority-buildings on-campus. Worked with auditors to highlight the critical information of each energy conservation measure, and prioritized recommended opportunities. Presented findings to administration and won approval for full \$2.6 million implementation.
- Conducted the University's inaugural Greenhouse Gas emissions inventory.
- Identified and successfully applied for a \$32,700 grant to aid in obtaining campus energy usage data.
- Expanded recycling program by 80%, installing over 1,300 recycling bins across the University, and improved the collection process and signage.
- Transitioned university to reusable water bottles from non-coordinated water cooler subscriptions by increasing the number of refrigerated, filtered water bottle filling stations by 50%.
- Persuaded the campus Chick-Fil-A, the busiest restaurant on-campus, to eliminate their expanded polystyrene foam (EPS) cups and switch to a paper-based cup.
- Taught Environmental Sustainability courses at the 300 and 400 levels.
- Persuaded University administration to reverse initial decision and to support the Climate Leadership Network Presidents' Carbon Commitment.

Green Team Project

Jacksonville, FL

NE Florida Program Coordinator; Program Director (2016)

September 2013- October 2016

- Developed a new organizational excellence program, a certification targeted for local businesses and organizations to recognize their sustainability best practices. Program assists participants in implementing improvements in various operational areas, improving overall workplace efficiency and sustainability.
- Led certification excellence program execution with large nonprofit organizations and cultivated high performing program liaisons, enhancing behavioral changes among participating organizations through gamification.
- Drove the performance of a Do-It-Yourself home energy and water audit kit program with over 200 kits available for checkout at libraries in three counties through a partnership with the local utility.

U.S. Green Building Council (USGBC)

Jacksonville & Orlando, FL

USGBC Florida Market Leadership Board Member; Treasurer (2014-2015)

August 2013- Present

Regional Emerging Professional Recruitment Chair- National USGBC

August 2012- August 2013

- Co-creator and leader of the Sustainability Officer Roundtable, a sustainability leaders' only quarterly professional group that provides continuing education and a confidential setting to share best practices and current organizational sustainability hurdles.
- Develop chapter's yearly strategic plan, assist in creating and passing a balanced budget, and share overall financial trends, outlooks, and recommendations with the Board.
- Cofound, plan, and solicit large in-kind donations for the annual Green Lion Festival, attracting over 500 attendees to showcase local environmental groups, government agencies, and businesses.

Bank of America

Jacksonville, FL

Assistant Manager Associate; Assistant Manager (2012)

July 2010- June 2012

- Managed 10-20 employees, driving business growth and improving staff productivity by coaching employees to better assist customers by uncovering their additional needs, surpassing sales goals.
- Drove associate success on internal audits by planning and conducting a staff training program; earned company's Bronze Award for associates' significant improvement in scores.

Citizen Schools

Charlotte, NC

Volunteer Coordinator

August 2009- July 2010

- Established and maintained large corporate partnerships to successfully recruit over 25 individuals with unique skills to volunteer weekly for 14 weeks to teach apprenticeships to at-risk middle school students.
- Collaborated with colleagues to plan a student and adult networking event, successfully recruiting over 50 adults to review students' resumes and conduct interviews.

EDUCATION & CREDENTIALS**Johns Hopkins University**, Whiting School of Engineering, Baltimore, MD

December 2014

*Master of Science with Honors, Environmental Planning and Management***Washington University in St. Louis**, St. Louis, MO

May 2008

*Bachelor of Arts with Honors, Psychology, Anthropology; Concentration in Business Communications***Green Globes Professional (GGP)**

2022

LEED Green Associate

2016

Florida Solar Energy Center Advisory Board Member

2023

SKILLS

- Proficient in Microsoft Office Suite.
- Proficient in Energy Star Portfolio Manager, EnergyCAP, SIMAP (Campus Carbon Calculator).
- Building Automation Systems: Skilled in Automated Logic WebCTRL. Familiar with Trane Ensemble, Tridium Niagara, Siemens Insight.