

ENERGY & ENVIRONMENT

 CHARLOTTE USA.

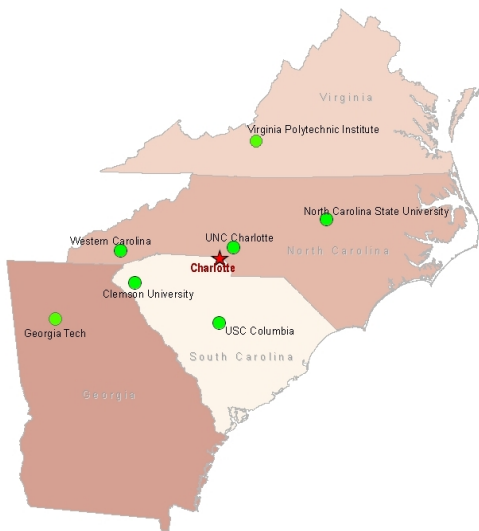


The Charlotte region continues to strengthen its position as one of the most dynamic and diversified locations in North America. This 16-county region – 12 in North Carolina and four in South Carolina – is home to more than 900 foreign-owned firms, nine Fortune 500 company headquarters and a growing population of more than 2.6 million residents

INDUSTRY HIGHLIGHTS

- The University of NC at Charlotte's Lee College of Engineering, a leading university for engineering, science and technology
- Headquarters of Fortune 500 Duke Energy, now the largest utility in the U.S.
- 1,400+ undergraduate engineering degrees and 1,000+ graduate and doctoral engineering graduates annually at major universities within 250 miles of Charlotte, N.C.
- 39 power plants currently operating in the region, and 12 nuclear reactors operating in the Carolinas, with six new potential units in the application process
- Energy Production Infrastructure Center (EPIC) at UNC Charlotte providing education and research to train electrical/civil engineers for careers in energy field. EPIC has 300 enrolled engineering students as of Spring, 2012.
- Electric Power Research Institute's R&D headquarters facility, one of five facilities in the U.S. announced an expansion in 2011.
- Largest engineering firms including Shaw Power Group, Parson's Corporation, AREVA NP, URS Corporation, Fluor Corporation, Stantec Consulting Services, Toshiba America Nuclear Energy, Perigon International Inc. and Siemens Energy

Major Engineering Universities within 250 miles of Charlotte, NC



RECENT NEWS

- Strata Solar, SunEnergy1, O2energies, Argand Energy Solutions, and PowerWorks among local firms with 10 solar farm projects (5-megawatt or larger) slated for the Carolinas
- Electric Power Institute expanding existing campus by 24 acres to add to its 150,000sf of office and research facilities on 21 acres in Charlotte's University Research Park
- Mitsubishi Nuclear Energy Systems invests \$4.1 million, announces 135 new engineering jobs at new Charlotte-based facility
- Jetion Solar U.S. Corp, a Chinese-owned energy firm announces their first U.S. operation to be built in Charlotte, NC; adding 50 workers and investing \$1.5 million
- FMC Lithium in Gaston County has developed a new process for extracting lithium and will add 25 employees
- Lime Energy, offering energy-efficient equipment and programs, announces 75 new jobs over two years at Huntersville, NC location; company moved here from Chicago
- Bluestar Silicone, a Chinese-owned silicone adhesive manufacturer, expands at York County, SC location, adding 44 jobs, bringing total employment to 110
- Siemens Energy announced 2nd expansion since 2008, adding additional 825 jobs at their Charlotte manufacturing facility. More than 1,800 employees expected by 2015
- Celgard announces double expansion at current Charlotte facility and new plant in Concord, adding 200 jobs to its lithium ion battery separator production capacity
- Toshiba America Nuclear Energy announcing 40 person expansion to new national project-management and engineering center's 194 jobs

NOTABLE FIRMS

Aldo Products Co.	Celgard	FMC Lithium	PBI Performance Products	Storm Technologies
Argand Energy Solutions	Conbraco Industries	Ingersoll-Rand Co.	PPG Industries	Shaw Group
Areva	DesignLine International	John Deere Southeastern	Rollcast Energy Inc.	Toshiba Nuclear
Babcock & Wilcox	STEAG Energy Services LLC	Nature Fuels	Sencera Technologies	URS Corporation
Coloagix	Environmental Bldg Solutions	Mar Mac Protective	Siemens Energy	Westinghouse

ENERGY & ENVIRONMENT

EPIC - ENERGY PRODUCTION INFRASTRUCTURE CENTER

- EPIC at UNC Charlotte housing a department of electrical and civil engineering and is designed to address the shortfall of trained engineers capable of servicing and replacing an aging fossil fuel and nuclear infrastructure
- Project recently received \$56 million in state funding, 200,000sf research center broke ground January, 2010
- Market driven effort with significant corporate involvement (Duke Energy)
- Initiative will also develop future technologies for wind, solar, and biofuels
- Academic training provided in transmission and distribution, environmental issues, construction management and logistics issues.

THE UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

- National academic leader in patents and technology transfers
- Headquarters of International Society of Environmental Geotechnology (ISEG), a growing organization of more than 500 professionals from 50 countries
- Global Institute for Energy and Environmental Systems (GIEES), an applied research institute focusing on integrated analysis of energy and environmental systems; Duke Energy is a research partner
- Department of Civil and Environmental Engineering includes research expertise in structural, environmental, traffic and soils engineering, as well as Ph.D. program in Infrastructure and Environmental Science

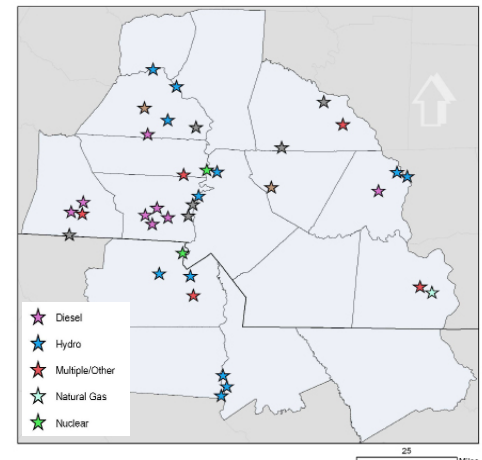


ENGINEERING OCCUPATIONS AVERAGE ANNUAL SALARY, MAY 2010

Metro Area	Electrical Engineers Annual Avg. Wage	Mech Engineers Annual Avg. Wage	Cost of Living Index
Charlotte-Gastonia-Concord MSA	\$77,600	\$79,810	93.2
Phoenix-Mesa-Scottsdale MSA	\$95,640	\$75,110	100.6
Albuquerque MSA	\$92,060	\$87,420	95.0
Boston-Cambridge-Quincy MSA	\$104,590	\$88,110	132.4
San Diego-Carlsbad MSA	\$99,120	\$87,660	132.1
United States	\$87,770	\$82,480	100.0

Source: Bureau of Labor Statistics OES, May 2010; ACCRA Cost of Living Index, 2010Ann

CHARLOTTE USA POWER PLANT LOCATIONS



- Catawba County partnership with Appalachian State University to operate a biodiesel research facility that will assist Catawba County in producing biodiesel fuel from operations at the County's EcoComplex

RENEWABLE ENERGY TAX CREDITS AVAILABLE IN NORTH AND SOUTH CAROLINA

- N.C. Renewable Energy Incentives provide 35% tax credit of the cost of renewable energy property constructed, purchased or leased in N.C.
- S.C. Renewable Energy Incentives provide a 25% tax credit for development, production and use of biomass energy, renewable fuels, solar, wind and energy efficient vehicles and buildings
- For a full list of available incentives see DsireUSA.org

INDUSTRY RESOURCES

North Carolina State Energy Office, <http://www.energync.net>
 North Carolina Green Power, <http://www.ncgreenpower.org>
 North Carolina Solar Center, <http://www.ncsu.ncsu.edu>
 Biofuels Center of North Carolina, <http://www.biofuelscenter.org>

South Carolina State Energy Office, <http://www.energy.sc.gov>
 UNCC College of Engineering, <http://www.coe.uncc.edu>
 Electric Power Research Institute, <http://www.epri.com>
 International Hydrail Conference, <http://www.hydrail.org>

A nonprofit, public/private economic development organization, the Charlotte Regional Partnership offers site location assistance, customized research and introductions to key industry resources across its 16-county, two-state region. The Partnership's services are free of charge to business prospects considering Charlotte USA, an area of 2.6 million people.

For more information, call 800.544.4373 or 704.347.8942 | charlotteusa.com

