

ENERGY & ENVIRONMENT

 CHARLOTTE USA.



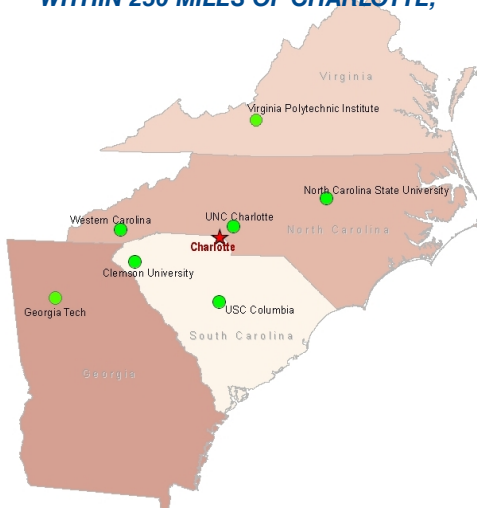
The Charlotte region continues to strengthen its position as one of the most dynamic and diversified locations in North America. This 16-county region – 12 in North Carolina and 4 in South Carolina – is home to more than 900 foreign-owned firms, eight Fortune 500 company headquarters and a growing population of more than 2.7 million residents

INDUSTRY HIGHLIGHTS

- 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 over 800 estimated 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 Chicago Bridge & Iron (former Shaw 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,



RECENT NEWS

- October 2013, Areva Inc. opened its U.S. headquarters in Mecklenburg County, NC with a \$3 million investment and the creation of 100 engineering jobs.
- June 2013, Exel, a distributor for Energizer batteries, will open a \$38 million facility in York County, SC and generate 133 new jobs for the region
- January 2013, Strata Solar, a solar energy systems and installation company, announced plans to open a 35-acre solar farm in Lincoln County, NC.
- November 2012, Seeger Green Energy, a German energy services company, is opening their design center in Mecklenburg County, NC.
- November 2012, Steag Energy Services LLC announced a \$6M, 29-job expansion in Cleveland County, NC. The company reconditions catalysts to remove NO from emissions
- August 2012, Schletter Inc. picks Cleveland County for a 305-job re-location of its headquarters and \$27 million production facility for solar powered mounting systems.
- ARVA announced August 2012 their expansion to York County, SC with a 35-job, \$5 million expansion for solar and wind powered streetlights production.
- On June 2012, Rockwood Lithium, producer of lithium batteries, announced a \$75M 100-job expansion and opening of its global headquarters in Cleveland County, NC.
- First Century Energy Holdings Inc., a clean-energy services solar developments firm, opened an office in Charlotte, NC with plans to hire more by the end of 2012.
- 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

NOTABLE FIRMS

Aldo Products Co.	Celgard	Fluor Enterprises LLC	Mitsubishi	Storm Technologies
Argand Energy Solutions	Conbraco Industries	FMC Lithium	PBI Performance Products	Chicago Bridge & Iron
Areva	DesignLine International	Ingersoll-Rand Co.	PPG Industries	Toshiba Nuclear
Babcock & Wilcox	STEAG Energy Services LLC	Nature Fuels	Rollcast Energy Inc.	URS Corporation
Coloagix	Environmental Bldg Solutions	Mar Mac Protective	Siemens Energy	Westinghouse

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

ENERGY & ENVIRONMENT

EPIC - ENERGY PRODUCTION INFRASTRUCTURE CENTER

- EPIC received a \$620,000 federal grant from US Department of Energy for a clean-energy startup called SineWatts
- 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 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 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

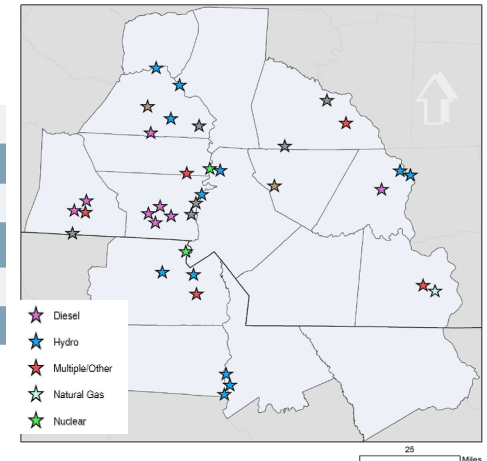


ENGINEERING OCCUPATIONS AVERAGE ANNUAL SALARY, MAY 2012

Metro Area	Electrical Engineers Annual Avg. Wage	Mech Engineers Annual Avg. Wage	Cost of Living Index
Charlotte-Gastonia-Rock Hill MSA	\$84,820	\$76,770	93.7
Phoenix-Mesa-Glendale MSA	\$98,770	\$89,430	96.0
Albuquerque MSA	\$88,720	\$92,000	96.7
Boston-Cambridge-Quincy MSA	\$102,460	\$92,690	142.8
San Diego-Carlsbad-San Marco MSA	\$96,490	\$92,520	134.4
United States	\$91,810	\$84,770	100.0

Source: Bureau of Labor Statistics OES, May 2012; C2ER Cost of Living Index, 2012Q3

CHARLOTTE USA POWER PLANT LOCATIONS



- Catawba County partnership with Appalachian State University to operate a 5,000sf biodiesel research facility that will assist Catawba County in producing biodiesel fuel from operations at the County's Eco-Complex

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.

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