

SIZING THE CLEAN ECONOMY

The Clean Economy in the Raleigh, NC Metropolitan Area

Why the Clean Economy Matters

The "clean" or "green" economy is an important element of America's emerging next economy. It will define our nation's low carbon future while providing opportunity for workers at all levels of the income and skills distributions. In this report, the clean economy is divided into 39 distinct segments, reflecting the economic activity involved in producing a broad spectrum of clean products, from goods such as wind turbines and solar photovoltaics to services such as mass transit and regulation.

Raleigh's Clean Economy Profile

CLEAN JOBS

16,677

In terms of its overall size the clean economy in the Raleigh metropolitan area ranks 30th among the 100 largest metro areas

INTENSITY

3.3%

Raleigh's 16,677 clean economy jobs make up 3.3 percent of all jobs in the region. On this measure of concentration its clean economy ranks 10th

GROWTH

+9,889

Between 2003 and 2010 Raleigh added 9,889 clean jobs to see the sector grow by 13.7 percent annually. Those readings placed the region 12th and 2nd

EXPORTS PER JOB

\$5,867

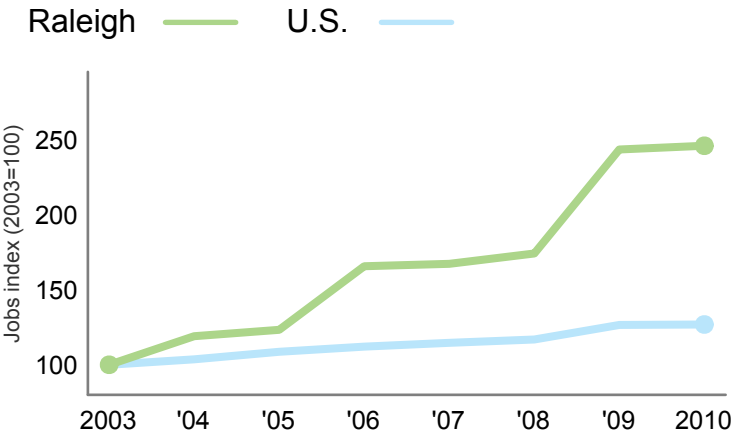
On average each clean economy job in Raleigh produces \$5,867 in exports, which ranks it 88th on this measure

ANNUAL WAGE

\$40,795

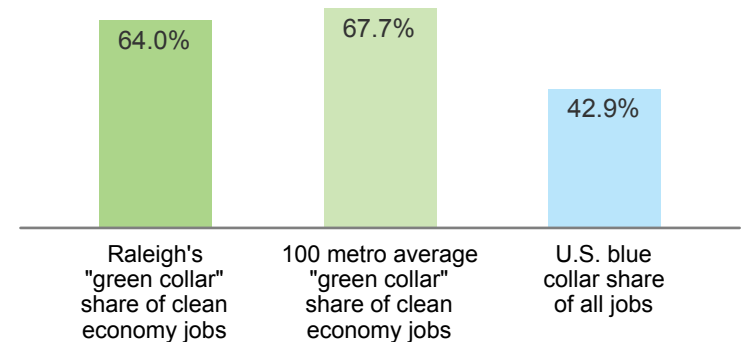
The estimated median wage in Raleigh's clean economy is \$40,795. This compares to \$38,420 for all jobs in Raleigh

Clean Economy Job Growth, 2003–2010



Note: Changes in employment do not include jobs lost from establishment closings. Some establishments in the database exhibited extreme employment changes, possibly exaggerating a place's growth curve (see report website for a listing of these cases).

Share of Clean Jobs Offering Good Pay for Modest Education, 2010



Note: Within the clean economy, occupations paying mid-level wages are referred to as "green collar" occupations and include jobs in the following occupational categories: production, transportation, installation, construction, office administration and support, protective services, and social services. The green collar designation is specific to the clean economy; when looking at the overall economy (clean or otherwise), these occupations are typically referred to as "blue collar."

Largest Segments

of Raleigh's clean economy, 2010

Segment	Jobs, 2010	Job Change, 2003–2010	Annual Average Job Change, 2003–2010 (%)
Regulation and Compliance	4,439	+3,106	+18.8%
Conservation	3,869	+2,550	+16.6%
Public Mass Transit	1,713	+1,343	+24.5%
Waste Management and Treatment	1,202	+223	+3.0%
Energy-saving Building Materials	995	+251	+4.2%

Fastest Growing Segments

of Raleigh's clean economy, 2003–2010

Segment	Jobs, 2010	Job Change, 2003–2010	Annual Average Job Change, 2003–2010 (%)
Smart Grid	605	+595	+79.7%
Recycling and Reuse	579	+490	+30.7%
Public Mass Transit	1,713	+1,343	+24.5%
Professional Energy Services	60	+47	+24.4%
Regulation and Compliance	4,439	+3,106	+18.8%

Sample Clean Economy Employers

ABB Group
(Smart Grid)

Baker Roofing Co
(Green Architecture and Construction Services)

Elster Solutions LLC
(Smart Grid)

Progress Energy Carolinas Inc
(Nuclear Energy)

Withers & Ravenel Inc
(Professional Environmental Services)

For More Information

VIEW THE FULL REPORT:
www.brookings.edu/metro/clean_economy.aspx

INTERACTIVE MAPPING TOOL:
www.brookings.edu/metro/clean_economy/map.aspx

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DATA NOTES:

This profile presents data developed for the Brookings-Battelle Clean Economy Database and the report "Sizing the Clean Economy." Methodological details of this database are described in an accompanying appendix document (see the report website listed above).

Readers should be aware that for the data presented here changes in employment do not include jobs lost from establishment closings and that the database does not cover establishments with fewer than five employees.