

SIZING THE CLEAN ECONOMY

The Clean Economy in the Washington, DC-VA-MD-WV 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.

Washington's Clean Economy Profile

CLEAN JOBS

70,828

In terms of its overall size the clean economy in the Washington metropolitan area ranks 4th among the 100 largest metro areas

INTENSITY

2.3%

Washington's 70,828 clean economy jobs make up 2.3 percent of all jobs in the region. On this measure of concentration its clean economy ranks 27th

GROWTH

+20,403

Between 2003 and 2010 Washington added 20,403 clean jobs to see the sector grow by 5.0 percent annually. Those readings placed the region 3rd and 38th

EXPORTS PER JOB

\$6,183

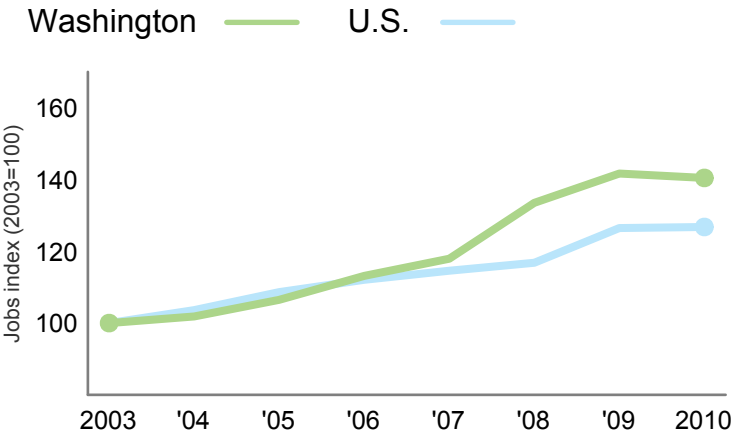
On average each clean economy job in Washington produces \$6,183 in exports, which ranks it 85th on this measure

ANNUAL WAGE

\$51,651

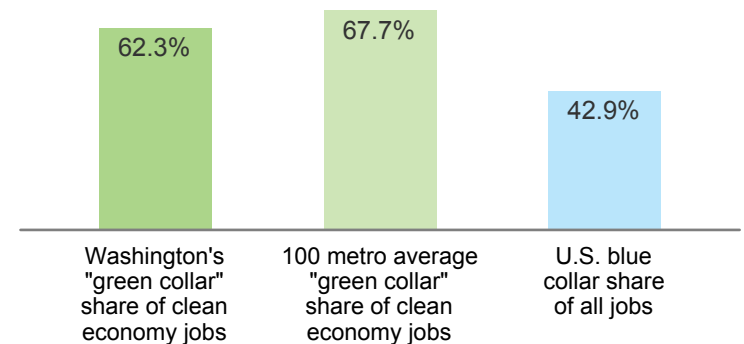
The estimated median wage in Washington's clean economy is \$51,651. This compares to \$55,134 for all jobs in Washington

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 Washington's clean economy, 2010

Segment	Jobs, 2010	Job Change, 2003–2010	Annual Average Job Change, 2003–2010 (%)
Conservation	18,194	+9,293	+10.8%
Regulation and Compliance	15,649	+1,666	+1.6%
Public Mass Transit	9,560	+1,461	+2.4%
Waste Management and Treatment	7,741	+1,290	+2.6%
Professional Environmental Services	5,196	+1,488	+4.9%

Fastest Growing Segments

of Washington's clean economy, 2003–2010

Segment	Jobs, 2010	Job Change, 2003–2010	Annual Average Job Change, 2003–2010 (%)
Solar Photovoltaic	790	+770	+69.1%
Biofuels/Biomass	91	+82	+39.2%
Smart Grid	337	+278	+28.3%
Wind	312	+242	+23.8%
Battery Technologies	35	+27	+23.5%

Sample Clean Economy Employers

AES Corp
(Wind)

Current Group LLC
(Smart Grid)

Dewberry & Davis LLC
(Professional Environmental Services)

ICF International Inc
(Professional Energy Services)

RTKL Associates Inc
(Green Architecture and Construction 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.