



NREL at a Glance

The National Renewable Energy Laboratory (NREL) leads research, innovation, and strategic partnerships that advance and strengthen energy abundance, affordability, security, and reliability, as well as power economic growth and global competitiveness.

Golden, Colorado, hosts the main NREL facility—the South Table Mountain Campus—and the U.S. Department of Energy (DOE) responsible site office—the Golden Field Office; the Flatirons Campus is located 25 miles north. Additional NREL facilities include NREL’s Alaska Campus in Fairbanks and the Washington, D.C., office.

Physical Assets*

- 483 acres, 93 buildings, and five trailers (owned)
- 1,313,644 gross square footage in buildings/trailers (owned)
- 199,852 gross square footage in leased facilities (seven buildings, whole or partial)
- 639 acres (leased).

People Assets*

- 3,568 Full-time equivalent employees
- 77 Joint faculty
- 248 Postdoctoral researchers
- 128 Undergraduate students
- 169 Graduate students
- 45 Facility users.

*as of Sept. 20, 2024

Impact

NREL’s fiscal year 2024 business volume was **\$1.007B**, which was approximately 29% growth from FY 2023 (\$783.5M).



\$1.9B in the United States

NREL’s economic impacts on the nation totaled \$1.9 billion in FY 2023, with the laboratory directly employing or supporting more than 8,200 jobs across the country.



\$1.3B in Colorado

Colorado recorded the greatest economic benefits—\$1.3 billion in output, 5,700 jobs, and \$780 million in value added.

Innovation



Honored with
74 R&D100
awards to date

655 Patents
to date

53,184 Publications
to date

Since 2000, NREL has executed more than 320 royalty-bearing license and option agreements and has approximately 900 patented or patent-pending technologies; plus 250 software solutions available for licensing.

Record Year for Partnerships

NREL's world-class research and development capabilities empower partners to accelerate energy innovation and systems integration. NREL provides commercial and non-commercial partners with end-to-end expertise to de-risk and mature new energy technologies and accelerate market integration. Through licensing and industry partnerships, NREL fast-tracks DOE-funded research and innovation to market.



365
New partnership
agreements



812
Unique new
partnerships

NREL achieved a record-breaking year in partnerships, signing 365 new, high-impact agreements. The laboratory now has more than 1,160 active partnerships with 812 unique active partners across commercial, noncommercial, and government organizations in 49 U.S. states and 37 countries.

Capabilities For Systems Integration

- Advanced Research on Integrated Energy Systems (ARIES) research platform
- Data, analysis, and visualization
- Decision science and analysis
- Energy for buildings and mobility
- Energy security and resilience
- Modeling and simulation
- Grid modernization
- Large-scale user facilities
- Power generation and energy storage
- Power systems and electrical engineering
- Technical support for jurisdictions.

Foundational Knowledge

- Applied materials science and engineering
- Applied mathematics
- Biological systems science
- Chemical and molecular science.



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NREL is a national laboratory of the U.S. Department of Energy
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