

NREL TECHNOLOGY PARTNERSHIPS: FISCAL YEAR 2019

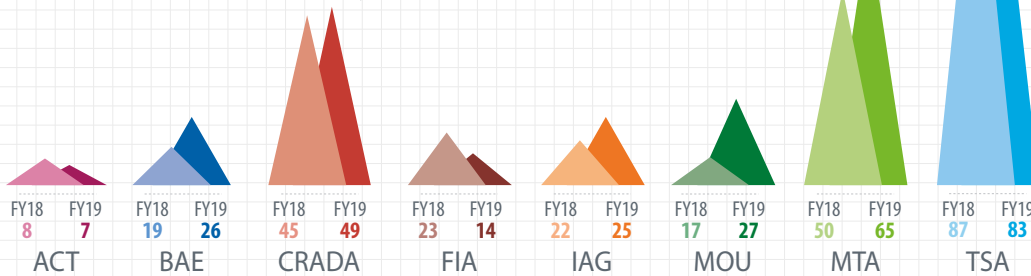
The U.S. Department of Energy's (DOE's) National Renewable Energy Laboratory (NREL) works with hundreds of partners within industry, government, academia, small business, international organizations, and nonprofits to advance the use of clean energy technologies in the marketplace.

Below is a summary of our Fiscal Year (FY) 2019 technology partnership agreements (TPAs).

NEW PARTNERSHIPS BY AGREEMENT TYPE

In FY 2019, we developed 299* new agreements to partner with federal agencies, such as the Department of Defense and the Department of the Interior, and with nonfederal entities, such as Dallas Fort Worth Airport and Honda.

Our various agreement types allow us to better meet the needs of both our staff members and our partners as they explore ways to foster the growth and implementation of clean energy technologies.



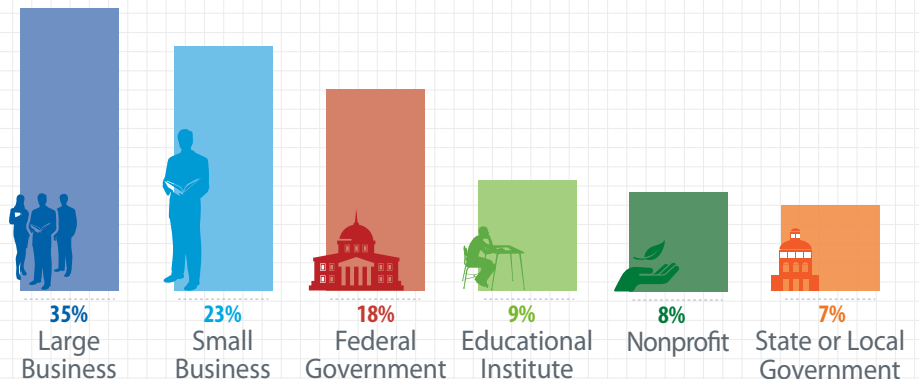
ACT-AGREEMENT FOR COMMERCIALIZING TECHNOLOGY. Used when a partner needs more flexible terms than other partnership agreements offer.

BAE-BAILMENT AGREEMENT. Used when third-party-owned equipment is loaned to NREL.

CRADA-COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENT. Used when NREL works with a nonfederal partner on a joint research and development project. In FY 2019, NREL had 176 active CRADAs. NREL traditionally holds more active CRADAs than any other national laboratory.

ACTIVE AGREEMENTS BY BUSINESS TYPE

Including NREL's 299 new agreements in FY 2019, the laboratory maintained **871 active partnerships** with federal agencies, small and large businesses, educational institutes, and nonprofits, as well as state and local governments. NREL worked with 47 U.S. states and 29 countries in FY 2019.



WORKING WITH US

NREL accelerates the commercialization of energy efficiency and renewable energy technologies by facilitating partnerships and licensing opportunities. We invite organizations, researchers, and professionals from around the world to partner with us on research, development, and deployment projects and to use our research facilities. For more information, visit www.nrel.gov/workingwithus.

PARTNERSHIP STATS

299* New Partnership Agreements

\$74M in New Partnership Agreements Value

871 Active Partnership Agreements

255 Unique New Partners

587 Unique Active Partners

MTA-MATERIAL TRANSFER AGREEMENT. Used to confidentially protect material composition—such as enzymes or small equipment—that is exchanged for review and evaluation.

TSA-TECHNICAL SERVICES AGREEMENT. Used when NREL provides non-research and development services, fully funded by the partner, up to \$500,000 and 3 years in duration.

*Total includes user agreements.



NREL is a national laboratory of the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, operated by the Alliance for Sustainable Energy, LLC.

NREL/FS-7A10-75646 • December 2019