

NREL TECHNOLOGY PARTNERSHIPS: FISCAL YEAR 2017

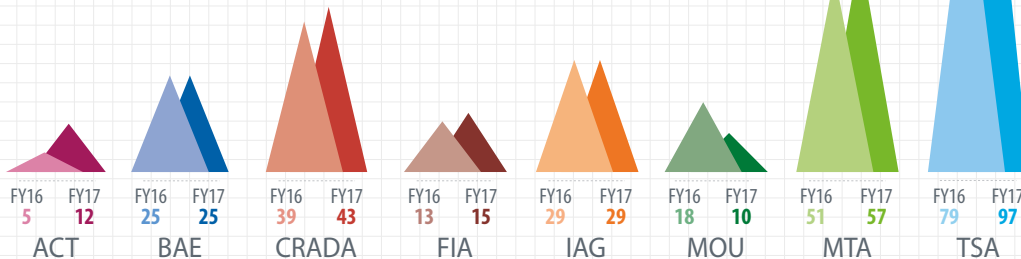
The U.S. Department of Energy's (DOE's) National Renewable Energy Laboratory (NREL) works with hundreds of partners within industry, government, academia, small business, international organizations, and nonprofits to advance the use of energy technologies in the marketplace.

Below is a summary of our Fiscal Year (FY) 2017 technology partnership agreements (TPAs).

NEW PARTNERSHIPS BY AGREEMENT TYPE

In FY 2017, we developed 288 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 Hawaiian Electric and Hyundai.

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 energy technologies.



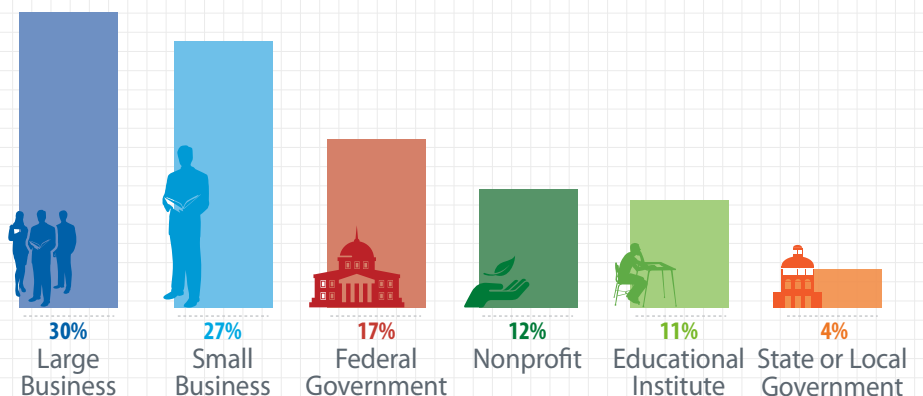
ACT-AGREEMENT FOR COMMERCIALIZING TECHNOLOGY. A DOE pilot program; used when a partner needs more flexible terms than other partnership agreements offer.

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 2017, NREL had 141 active CRADAs. NREL traditionally holds more active CRADAs than any other national laboratory.

ACTIVE AGREEMENTS BY BUSINESS TYPE

Including NREL's 288 new agreements in FY 2017, the laboratory maintained **739 active partnerships** with federal agencies, small and large business, educational institutes, and nonprofits, as well as state and local governments. NREL worked with 48 U.S. states and 28 countries in FY 2017.



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

288 New Partnership Agreements

\$80M* in New Partnership Agreements Value

739 Active Partnership Agreements

285 Unique New Partners

513 Unique Active Partners

*Total includes HQ directed funds.

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 \$250,000 and 3 years in duration.

FIA-FUNDS-IN AGREEMENT. Used when a partner pays 100% of NREL costs for technical tasks and does not intend to perform joint research with the laboratory.

IAG-INTERAGENCY AGREEMENT. Used when NREL performs work for a federal agency other than DOE.

MOU-MEMORANDUM OF UNDERSTANDING. Used to establish a nonbinding conceptual framework for project discussions, such as a technical and scientific collaboration between NREL and an industry partner or foreign agency.



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-7A10-70923 • February 2018