



# Partnering with NREL

## Canadian Companies and Organizations

Through partnerships with Canadian companies and organizations, the U.S. Department of Energy's National Renewable Energy Laboratory (NREL) accelerates the transfer of renewable energy and energy efficiency solutions to practical application. We leverage public, private, and international investments to rapidly move high-value research to commercialization.

### Serving Partner Needs through Our Capabilities

We extend our R&D capabilities and expertise to Canada and worldwide, along with access to our world-class research facilities. We can tailor our technical assistance based on your needs.

Our R&D capabilities allow us to develop and advance renewable energy and energy efficiency technologies more effectively through the full R&D life cycle—from basic scientific research through applied research and engineering; to testing, scale-up, and demonstration.

NREL's R&D areas of expertise include:

- Renewable electricity
- Renewable fuels
- Integrated energy system engineering and testing
- Strategic energy analysis.

We also use our expertise to provide technical assistance applying renewable energy and energy efficiency technologies. This includes planning, integrated resource assessment, project development, and market and economic development.

*“Through partnering with NREL, SiXtron taps into R&D expertise and capabilities to optimize our process for making solar cells more efficient and less costly. Our association with NREL provides independent validation of our technical results as we move to commercialize it around the globe.”*

Zbigniew Barwicz, President and CEO  
SiXtron Advanced Materials  
Montreal, Canada

## Offering Flexible Partnering Arrangements

We offer two main contractual mechanisms for working with our partners. Each option is dependent upon on the customer and needs of the project, such as intellectual property management, scope of work, contract amount, and timeframe.

- **Cooperative Research and Development Agreement**—for partnerships with the private sector. Allows collaboration, cost sharing, and pooling of R&D program results. NREL provides access to its technical expertise, facilities, and equipment.
- **Work-for-Others Agreement**—enables the private sector and government organizations to employ NREL’s capabilities without intending to perform joint research. We offer the following types of work-for-others agreements:
  - **Technical Services Agreement**—provides an accelerated mechanism for technical consulting and analysis for projects up to 18 months under \$100,000 USD.
  - **Analytical Services Agreement**—provides simplified contracting for projects less than \$25,000 USD up to a 3-month duration.
  - **Funds-In Agreement**—allows a nongovernment entity to pay NREL to conduct a research-oriented project and may allow the entity to obtain title to inventions.

## Establishing Collaborative Partnerships

If you’d like to explore a partnership with NREL, your first step is to discuss a proposed project with an NREL technical contact. This will ensure that the project would be mutually beneficial, serving not only your needs but also meeting the lab’s criteria.

### Technical Area Contacts

Renewable Fuels and Vehicle Systems		
Bioenergy	John Ashworth, 303-384-6853	
Hydrogen	Bob Remick, 303-275-3830	
Transportation	Bob Rehn, 303-275-4418	
Renewable Electricity and End Use Systems		
Solar and Photovoltaics	John Benner, 303-384-6496	
Wind & Hydropower	Dave Simms, 303-384-6942 Brian Smith, 303-384-6911	
Electricity Resources	Dick DeBlasio, 303-275-4333	
Building Systems	Ron Judkoff, 303-384-7520	
Energy Sciences		
Chemistry and Biosciences	Jim Brainard, 303-384-6462	Science Programs Ray Stults, 303-275-3090
Materials and Computing	Steve Hammond, 303-275-4121	
Energy Analysis		
Energy Analysis	Dan Bilello, 303-384-7461	
Integrated Applications		
Crosscutting Technologies, Finance, Analysis	Nancy Carlisle, 303-384-7509	



### National Renewable Energy Laboratory

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