

Businesses and communities are pursuing ambitious clean energy initiatives to mitigate environmental and economic risks and address system inequities.

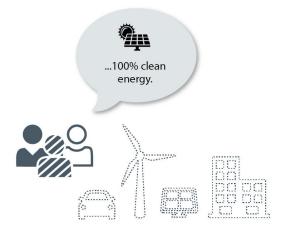


To move from **ambitions to actions**, communities often need **in-depth energy-sector expertise and insight**.

As a U.S. Department of Energy (DOE) research lab, **NREL offers unbiased**, **best-in-class analysis and modeling capabilities** supported by **decades of scientific and applied research**, **expertise**, **and partnerships**.

Illuminate pathways to clean, affordable, equitable, secure, and resilient energy systems

Our ambition is...

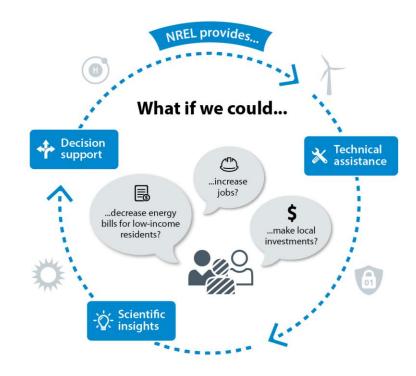




Now we can take action to...



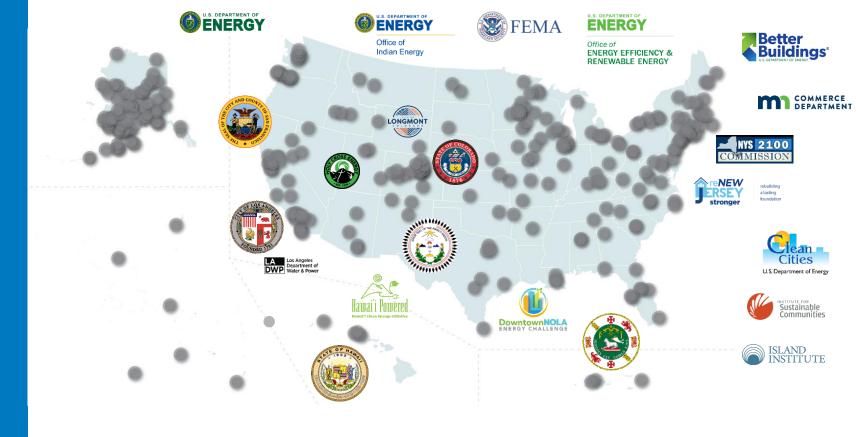
Customized,
holistic modeling
and analysis to
support strategy
development with
communities and
partners.



To address communities' unique energy-system goals and diverse stakeholder priorities, ACES provides data-driven, technically sound, actionable insights including:

- Partnership opportunities
- Investment strategies
- Technology possibilities/scenarios
- Energy equity considerations
- Illustration of trade-offs.

ACES applies best practices, proven methodologies, and strategies from decades of experience to support communities across the nation in achieving energy goals.



Our approach supports diverse and wide-ranging energy goals and transitions—in small communities to regional collaboratives—building momentum toward a **national equitable**, **clean energy economy**.

Decision support and technical assistance to implement communityselected options, leveraging public and private funds to enable investments.



- Demonstrate, validate, and de-risk
- Identify investment-ready options
- Support workforce development
- Deploy effective implementation teams.

Example: Supporting resilience in vulnerable communities





Community priorities

Remote, island, and islanded community energy and infrastructure challenges, values, and goals



Partnership approach

Deep energy-sector experience, expertise of the national labs + local, trusted stakeholder organizations

Energy assessment and planning

Provide resources and on-the-ground support

Resilient energy systems

Knowledge sharing → lessons learned, use cases → identified responsive technology needs

Multiple Business Lines that Leverage the ACES Suite of Capabilities



Communities to Clean Energy (C2C)



PR100



Sub-national Clean Energy Transitions



Communities LEAP (Local Energy Action Program)



ETIPP



WIP



State, Local, and Regional Clients LA100 Equity



Rural and Remote Communities Consortia

Rapid, widespread transition to clean, affordable, equitable, secure, and resilient energy systems.



Positively impacting millions of Americans, including those who are historically underserved, by:

- Boosting local economies
- Increasing energy security and affordability
- Advancing environmental equity
- Reducing emissions
- Building energy system resilience.

