

**Department of Energy**  
**Listsers and Technical Assistance**  
*Dream.org*  
*Heron Bridge Education*  
*Miami Climate Alliance*

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# Table of Contents

<b>Table of Contents</b> .....	<b>2</b>
<b>1. DOE Technical Assistance</b> .....	<b>4</b>
a. Office of Energy Efficiency & Renewable Energy Technical Assistance.....	4
ii. For States and Communities.....	4
iii. Federal Energy Management.....	5
iv. Geothermal.....	5
v. Homes and Buildings.....	5
vi. Hydrogen and Fuel Cells.....	5
vii. Advanced Manufacturing.....	6
viii. Vehicles.....	6
ix. Water.....	6
x. Wind.....	6
xi. Solar.....	6
b. Industrial Efficiency & Decarbonization Office Technical Assistance and Workforce Development.....	7
c. Building Energy Codes Program Technical Assistance.....	7
i. Technical Assistance.....	7
2. FAQs.....	7
3. Training.....	7
4. Publications.....	7
ii. State Technical Assistance.....	7
iii. More Information.....	8
1. CODES 101.....	8
2. ENERGY EFFICIENCY FIELD STUDIES.....	8
3. SOFTWARE TOOLS.....	8
4. STRETCH CODES.....	8
5. BUILDING PERFORMANCE STANDARDS.....	8
d. National Renewable Energy Laboratory Technical Assistance.....	8
i. Technical Assistance.....	8
ii. Technical Support Services.....	8
iii. Island and Remote Communities.....	8
1. Energy Transitions Initiative Partnership Project.....	8
2. Energy Improvements in Rural or Remote Areas.....	8
iv. Local Governments and Communities.....	8
1. Clean Cities Technical Assistance.....	8
2. Clean Energy to Communities Program.....	8

3. Clean Energy Demonstration on Mine Land Technical Assistance.....	8
4. Communities Local Energy Action Program.....	9
5. Waste-to-Energy Technical Assistance.....	9
6. Tribal Governments and Alaska Native Villages.....	9
7. Partner with NREL.....	9
e. Technical Assistance to States.....	9
i. DOE State Technical Assistance to State Public Utility Commissions.....	9
ii. DOE Office of Electricity (OE).....	9
iii. DOE Solar Energy Technologies Office.....	10
iv. Other DOE-Funded Technical Assistance.....	10
f. U.S. Department of Energy Office of Indian Energy Technical Assistance.....	10
1. Request Technical Assistance.....	10
2. Other Technical Assistance.....	10
3. Completed Technical Assistance.....	10
g. State, Local and Tribal Technical Assistance Gateway Technical Assistance: Resources..	10
h. Solar Energy Technologies Office Technical Assistance.....	11
ii. SOLSMART.....	11
iii. SOLARAPP+.....	11
iv. NATIONAL COMMUNITY SOLAR PARTNERSHIP.....	11
v. SOLAR ENERGY INNOVATION NETWORK.....	12
vi. INTERCONNECTION INNOVATION E-XCHANGE.....	12
vii. GRID MODERNIZATION INITIATIVE TECHNICAL ASSISTANCE FOR STATE UTILITY REGULATORS.....	12
viii. ADDITIONAL U.S. DEPARTMENT OF ENERGY RESOURCES.....	12
i. Office of Electricity Technical Assistance.....	13
i. About Office of Electricity.....	13
iv. QUICK LINKS.....	13
1. EPA Regulations.....	14
2. Ratepayer-Funded Energy Efficiency.....	14
3. Demand Response.....	14
4. Recovery Act Assistance.....	14
5. Uniform Methods Project.....	14
v. EPTA PROGRAM.....	14
1. Overview.....	14
2. Get Assistance.....	14
3. Technical Assistance Topics.....	14
vi. RELATED LINKS.....	14
1. DOE State and Local Government Resources.....	14

2. DOE Tribal Technical Assistance.....	14
3. DOE State, Local, and Tribal Technical Assistance.....	14
j. State, Local and Tribal Technical Assistance Gateway.....	14
k. Department of Energy State and Local Government Information.....	14
i. Office of Indian Energy Policy and Programs.....	14
ii. Office of Congressional and Intergovernmental Affairs.....	14
iii. Federal Energy Management Program.....	14
iv. Office of State and Community Energy Programs.....	14
v. State Energy Program.....	15
vi. State and Local Solution Center.....	15
l. State, Local and Tribal Technical Assistance Gateway Direct Technical Assistance.....	15
i. State and Local Solution Center.....	15
ii. Tribal Energy Technical Assistance.....	15
iii. Nuclear Energy Technical Assistance.....	15
iv. Better Buildings Challenge.....	15
v. Clean Cities Technical Assistance.....	15
vi. Combined Heat and Power Technical Assistance Partnerships.....	15
vii. Clean Energy Ministerial Solutions Center Ask an Expert.....	15
viii. SunShot Solar Technical Assistance Team.....	16

## 1. DOE Technical Assistance

### a. [Office of Energy Efficiency & Renewable Energy Technical Assistance](#)

- i. The Office of Energy Efficiency and Renewable Energy offers a wide variety of technical assistance supporting energy efficiency and renewable energy. This technical assistance can include direct advice on issues or goals, tools and maps, and training. Some select technical assistance offerings are listed below:
- ii. For States and Communities
  1. [The State and Local Solution Center](#) provides states and communities with resources addressing strategic energy planning, policy, financing, data management, and technologies to help them implement successful energy efficiency and renewable energy projects.
  2. [The Weatherization Assistance Program Technical Assistance Center](#) provides resources to help states and communities reduce energy costs for low-income families, particularly for the elderly and people with disabilities.
  3. [Bioenergy](#)
  4. [Analytical Tools](#) provide assistance in analyzing data and facilitating decision making.

5. The [Waste-to-Energy Technical Assistance for Local Governments](#) program pairs national laboratory experts with local decision makers on a variety of topics related to resource and energy recovery from waste, including cost-benefit analysis, waste resource quantification, evaluation of technology options, and other topics of interest.
- iii. Federal Energy Management
    1. [FEMP Technical and Project Assistance](#) allows federal agencies to request FEMP technical assistance with fleet management, project financing, and renewable energy projects. The FEMP [Solution Center Tool Box](#) places key tools and resources at your fingertips to help your agency design, optimize, and ensure the efficient operation of every project, facility, and campus.
  - iv. Geothermal
    1. [Geothermal Maps](#) identify renewable, geothermal resources, possible locations for implementation of various geothermal technologies, and actual and potential geothermal power generation sites.
    2. [Geothermal Software and Data](#) model geothermal systems and economics and provide data related to geothermal technology and energy to assist with calculation and model construction.
  - v. Homes and Buildings
    1. [Building America Solution Center](#) provides residential building professionals with access to expert information on hundreds of high-performance design and construction topics, including air sealing and insulation, HVAC components, windows, indoor air quality, and much more.
    2. [The Better Buildings Residential Program Solution Center](#) is a robust collection of nearly 1,000 examples, strategies, and resources for residential energy efficiency programs.
    3. [Building Energy Codes Program](#) supports energy efficiency in buildings through the development and implementation of model codes and standards. DOE also provides technical assistance to states and localities as they adopt and enforce energy codes.
    4. [Building Energy Software Tools Directory](#) provides building software tools for evaluating energy efficiency, renewable energy, and sustainability in buildings.
    5. [Building Energy Codes Program State Technical Assistance](#) helps states and local code enforcement jurisdictions adopt, upgrade, implement, and enforce residential and commercial codes.
  - vi. Hydrogen and Fuel Cells
    1. [Fuel Cell Technologies Education](#) supports demonstrations and commercialization by providing technically accurate and objective information to key target audiences involved in the use of hydrogen and fuel cells today.

- vii. Advanced Manufacturing
  - 1. [The Combined Heat and Power Technical Assistance Partnerships \(CHP TAPs\)](#) promote and assist with market transformation for combined heat and power, waste heat to power, and district energy technologies.
  - 2. [Technical Assistance for Manufacturers](#) helps companies identify and implement energy-saving projects and improve energy management programs and energy performance.
- viii. Vehicles
  - 1. Tools from the [Alternative Fuels Data Center](#) include calculators, interactive maps, and data searches that can assist fleets, fuel providers, and other transportation decision makers in their efforts to advance alternative fuels and energy-efficient vehicle technologies.
  - 2. [Clean Cities Technical Assistance](#) includes the Technical Response Service, which can help people find answers to technical questions about alternative fuels, fuel economy improvements, idle reduction measures, and advanced vehicles. In addition, Clean Cities makes available "Tiger Teams" to help coalition coordinators, stakeholders, original equipment manufacturers, and fuel providers overcome obstacles for deploying alternative fuels and advanced vehicles.
- ix. Water
  - 1. [Hydropower Resource Assessment and Characterization](#) offers reports and maps that assess the total technically recoverable energy available in the nation's powered dams, non-powered dams, and untapped stream-reaches.
  - 2. [Marine and Hydrokinetic Resource Assessment and Characterization](#) offers reports and maps that assess the technically recoverable energy available in the nation's waves, tidal and river currents, and ocean thermal gradients
- x. Wind
  - 1. [Wind Resource Maps and Data](#) provides states, utilities, and wind energy developers with utility-scale wind resource maps to locate and quantify the wind resource, identifying potentially windy sites within a fairly large region and determining a potential site's economic and technical viability.
- xi. Solar
  - 1. [National Community Solar Program \(NCSP\)](#) offers free rolling technical assistance that provides the resources needed to swiftly and successfully implement affordable, sustainable community solar programs that ensure benefits flow to all.
  - 2. [Solar Energy Innovation Network](#) helps communities develop transformative approaches to adopting solar energy.

b. [Industrial Efficiency & Decarbonization Office Technical Assistance and Workforce Development](#)

- i. The Industrial Efficiency & Decarbonization Office (IEDO) provides technical assistance and develops partnerships with industry to upskill workers and promote better energy management practices. The office's efforts focus specifically on increasing the adoption of energy efficient practices, decarbonization technologies, energy management programs, and water and waste reduction strategies across the industrial sector.

c. [Building Energy Codes Program Technical Assistance](#)

i. Technical Assistance

1. The Building Energy Codes Program (BECP), offers a comprehensive collection of information, resources, and technical assistance designed to answer questions and address issues related to energy codes. This includes frequently asked questions, publications, compliance software and tools, and training modules based on best practices. BECP's team of building energy codes experts is also available to answer specific questions submitted through the web-based [Help Desk](#).
2. [FAQs](#)
3. [Training](#)
4. [Publications](#)

ii. State Technical Assistance

1. DOE provides technical assistance to help states and local code enforcement jurisdictions adopt, upgrade, implement, and enforce their residential and commercial building energy codes. This assistance is provided explicitly through the DOE Building Energy Codes Program and does not support direct funding to states or municipalities. Technical assistance may take the form of:
  - a. Analysis of energy savings and cost impacts associated with code adoption
  - b. Comparative analysis of future code options
  - c. Potential modification of model code language
  - d. Customized educational materials
  - e. Web-based or in-person training programs
  - f. Compliance resources and software tools
2. Funding to provide no-cost technical assistance is limited. In assessing each request, DOE may consider the following issues:
  - a. Potential impact of the proposed assistance
  - b. Reach based on current practices and construction starts
  - c. Consistency with DOE adoption and compliance goals
3. Technical assistance requests submitting by states may be prioritized over those requested by localities. All formal state-level technical assistance requests must be made by selecting the 'Formal Technical Assistance Request' option on the [help desk](#) form.

4. Jurisdictions seeking technical assistance for Building Performance Standards are encouraged to review the resources on the [Building Performance Standards](#) page.
- iii. More Information
    1. [CODES 101](#)
    2. [ENERGY EFFICIENCY FIELD STUDIES](#)
    3. [SOFTWARE TOOLS](#)
    4. [STRETCH CODES](#)
    5. [BUILDING PERFORMANCE STANDARDS](#)
- d. [National Renewable Energy Laboratory Technical Assistance](#)
    - i. Technical Assistance
      1. NREL provides technical assistance related to energy use, planning, and future scenarios for U.S. states, local jurisdictions, communities, and tribes.
    - ii. Technical Support Services
      1. When technical assistance is not available through existing federally supported programs, NREL offers customized technical assistance to states, local jurisdictions, and tribes through State, Local, and [Tribal Technical Support Services Agreement](#).
    - iii. Island and Remote Communities
      1. Energy Transitions Initiative Partnership Project
        - a. NREL provides technical assistance to strengthen energy resilience in island and remote communities through the DOE [Energy Transitions Initiative Partnership Project](#).
      2. Energy Improvements in Rural or Remote Areas
        - a. NREL supports technical assistance and competitive prizes to improve energy systems in rural or remote areas through the DOE [Energy Improvements in Rural or Remote Areas program](#).
    - iv. Local Governments and Communities
      1. Clean Cities Technical Assistance
        - a. NREL provides technical assistance to help fleets, stakeholders, original equipment manufacturers, and fuel providers deploy alternative fuels and advanced vehicles technologies through DOE's [Clean Cities Coalition Network technical assistance](#).
      2. Clean Energy to Communities Program
        - a. NREL offers technical assistance to support clean energy goals through the DOE [Clean Energy to Communities program](#).
      3. Clean Energy Demonstration on Mine Land Technical Assistance
        - a. NREL provides technical assistance for communities pursuing [clean energy demonstrations on mine lands](#).

4. Communities Local Energy Action Program
    - a. NREL provides technical assistance to low-income, energy-burdened communities that are pursuing strategies to address environmental injustices or economic impacts in the transition away from historical dependence on fossil fuel through the DOE [Communities Local Energy Action Program](#).
  5. Waste-to-Energy Technical Assistance
    - a. NREL provides [waste-to-energy technical assistance for local governments](#).
  6. Tribal Governments and Alaska Native Villages
    - a. NREL has been working with tribes to solve clean energy challenges since 1995 through its partnership with DOE's Office of Indian Energy. American Indian tribes and Alaska Native communities have cost-free access to NREL expertise through [DOE's Office of Indian Energy](#).
  7. [Partner with NREL](#)
    - a. In addition to no-cost technical assistance programs, NREL partners with communities directly to support local energy priorities and goals.
- e. [Technical Assistance to States](#)
- i. DOE State Technical Assistance to State Public Utility Commissions
    1. The State Technical Assistance to Public Utility Commissions (PUCs) program is part of the U.S. Department of Energy's (DOE) Grid Modernization Initiative funded by the Office of Energy Efficiency & Renewable Energy's Solar Energy Technologies Office as well as the Office of Electricity. The goal of the program is to provide high-impact, in-depth technical assistance to help state regulators address a wide variety of challenges facing the electricity industry. For more information about the program and how to apply for technical assistance, go to the program's dedicated webpage [TAtoStatePUCs.lbl.gov](#).
  - ii. DOE Office of Electricity (OE)
    1. The [Office of Electricity](#) (OE) provides independent and unbiased technical support to states, regions, and Tribes on their electricity-related policies through its Electricity Policy Technical Assistance Program. Types of assistance offered and activities supported include: analysis assistance; stakeholder-convened discussions; education and training through workshops and webinars; consultations with technical experts.
    2. State regulatory commissions, state energy offices, tribes, and regional entities can contact the appropriate subject matter expert

listed below to explore technical assistance options and then complete the [OE Technical Assistance Request Form](#).

- iii. DOE Solar Energy Technologies Office
  - 1. Berkeley Lab, along with Pacific Northwest National Laboratory (PNNL) and the National Renewable Energy Laboratory (NREL), are providing analytical support to state public utility commissions on issues related to solar energy and other distributed energy resources.
- iv. Other DOE-Funded Technical Assistance
  - 1. In addition to conducting technical assistance through OE as described above, Berkeley Lab also performs technical assistance on behalf of the U.S. Department of Energy's Wind and Water Power Technologies Office, Solar Energy Technologies Office, Weatherization and Intergovernmental Programs Office, Federal Energy Management Program, and other programs.
- f. [U.S. Department of Energy Office of Indian Energy Technical Assistance](#)
  - i. The U.S. Department of Energy (DOE) Office of Indian Energy provides federally recognized Indian tribes, including Alaska Native villages, tribal energy development organizations, and other organized tribal groups and communities, with technical assistance to advance tribal energy projects.
    - 1. [Request Technical Assistance](#)
      - a. Learn more about eligibility, types of technical assistance, and how to request technical assistance.
    - 2. [Other Technical Assistance](#)
      - a. View information and eligibility of technical assistance from other federal agencies or entities for tribal energy projects planning and development.
    - 3. [Completed Technical Assistance](#)
      - a. View a map and table of completed on-request technical assistance in each state between 2010 and 2022.
- g. [State, Local and Tribal Technical Assistance Gateway Technical Assistance: Resources](#)
  - i. The [State and Local Solution Center](#) helps states, local governments, and K-12 schools take clean energy to scale in their communities using a searchable database based on four key action areas or by topic and/or resource type. Action areas include in depth information on how to develop a clean energy strategy, design and implement clean energy programs, pay for clean energy, and access and use energy data.
  - ii. The [State & Local Energy Efficiency Action Network](#) offers publications, events, and technical assistance to state and local decision makers as they provide low-cost, reliable energy to their communities through energy efficiency.

- iii. The [Building Energy Codes Resource Center](#) provides a comprehensive collection of information, resources, and technical assistance designed to answer questions and address issues related to energy codes.
- iv. The [Better Buildings Residential Network](#) connects energy efficiency programs and partners to share best practices and learn from one another to increase the number of homes that are energy efficient.
- v. Contact Us
  - 1. For more information about technical assistance at the Department of Energy, contact us via e-mail.
- h. [Solar Energy Technologies Office Technical Assistance](#)
  - i. In addition to funding, the U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) provides technical assistance to nonprofit and for-profit organizations, state and local governments, and other entities that are working to address barriers and improve access to solar energy. Learn more about SETO's technical assistance programs and initiatives below.
  - ii. SOLSMART
    - 1. [SolSmart](#) is a national designation program that recognizes local governments (cities, towns, counties, and regional organizations) for implementing practices that make it easier and faster to go solar. The program provides free technical assistance to communities that are interested in addressing local barriers to solar deployment, such as permitting and zoning. More than 300 communities in the United States have a SolSmart gold, silver, or bronze designation.
  - iii. SOLARAPP+
    - 1. [Solar Automated Permit Processing+, known as SolarAPP+](#), is a web-based platform that automates solar permitting for local governments and other authorities having jurisdiction. SETO funded the initial development and commercialization of SolarAPP+ in 2019 through an award to the National Renewable Energy Laboratory (NREL). This collaborative effort fosters rooftop solar adoption by making it easier for local governments to quickly and safely approve standardized rooftop projects. Technical assistance is available to communities that adopt SolarAPP+. [Register on NREL's website.](#)
  - iv. NATIONAL COMMUNITY SOLAR PARTNERSHIP
    - 1. The [National Community Solar Partnership](#) is a coalition of community solar stakeholders working to expand access to affordable community solar to every American household by 2025. Partners leverage peer networks and technical assistance resources to set goals and work to overcome persistent barriers to expanding community solar access to underserved communities.

- v. SOLAR ENERGY INNOVATION NETWORK
  - 1. The [Solar Energy Innovation Network](#) assembles multi-stakeholder teams that research and share solutions to real-world challenges associated with solar energy adoption. The National Renewable Energy Laboratory (NREL) administers the program and, with other expert partners, provides technical assistance and facilitation support to identify local and regional impacts of team projects, formulate and test innovations, and validate new ideas.
- vi. INTERCONNECTION INNOVATION E-XCHANGE
  - 1. The [Interconnection Innovation e-Xchange \(i2X\)](#) is a stakeholder partnership to enable a simpler, faster, and fairer interconnection process for clean energy resources while enhancing the reliability, resiliency, and security of our electric grid. [Technical assistance](#) is available to directly support stakeholders in improving interconnection practices and processes for the bulk power system. The technical assistance must be specific to the interconnection of solar, wind, storage, or electric vehicle charging facilities, or a hybrid integration of these technologies.
- vii. GRID MODERNIZATION INITIATIVE TECHNICAL ASSISTANCE FOR STATE UTILITY REGULATORS
  - 1. [Public utility commissions receive technical assistance](#) from the National Laboratories to help state regulators make decisions and develop innovative solutions to improve grid reliability and resiliency, enable the adoption of new technologies, promote energy and environmental justice, and develop strategies to decarbonize their electric grids.
- viii. ADDITIONAL U.S. DEPARTMENT OF ENERGY RESOURCES
  - 1. [Local Government Guide for Solar Deployment](#) – This guide assists local government officials and stakeholders in boosting solar deployment with case studies that contain approaches to reduce market barriers that have been field tested in cities and counties around the country.
  - 2. [Energy Efficiency and Renewable Energy Technical Assistance](#) – This compiled list provides technical assistance resources for states, communities, and Tribes that support energy efficiency and renewable energy, including solar.
  - 3. [Reducing Energy Burden for Low-income Residents in Multifamily Housing with Solar Energy](#) – This issue brief discusses some key considerations and related opportunities for deploying solar energy for low-income multifamily housing and profiles examples that demonstrate how state and local entities have deployed solar energy on behalf of low-income residents.
  - 4. [National Renewable Energy Laboratory \(NREL\) Technical Support Services](#) – Lab experts provide technical support services related to energy use and future scenarios for U.S. state, local, and

tribal jurisdictions when there are not federally supported programs available.

5. [NREL Technical Assistance for Early Adopters Program](#) – Experts offer technical assistance to communities, institutions, and organizations based on findings from the Solar Energy Innovation Network. This program seeks to create resilience hubs, solar-powered microgrids, parameters to reduce solar interconnection costs, and more.
6. [Clean Energy Demonstration on Mine Land Technical Assistance](#) – DOE is offering technical assistance to inform decision-making on topics related to developing clean energy projects on mine land. This effort will provide no-cost technical assistance that informs the development of successful, impactful, and replicable projects that align with [Clean Energy on Mine Land Program](#) priorities.
7. Learn more about [soft costs research](#) and SETO's open [funding opportunities](#).

i. [Office of Electricity Technical Assistance](#)

i. About Office of Electricity

1. The Office of Electricity is building a 21st century electricity grid to power our communities, ensuring that low-cost clean energy is available to support and improve the lives of all Americans.

ii. Topics addressed are those of greatest interest to states, regions, and Tribes, including:

1. Reliability, resiliency, and cyber security of electric power systems
2. Electric resource planning, integrated resource planning, regional transmission planning, and resource acquisition strategies
3. Ratepayer-funded energy efficiency, demand response, and smart grid programs
4. Renewable energy development, including state renewable portfolio standards, grid integration of wind and solar power, and distributed generation interconnection policies
5. Natural gas and coal generation issues, including clean coal, effects of more abundant natural gas, environmental regulations, and gas-electric interdependencies

iii. For more information, please see the Quick Links below or selected [recent](#) and [previous](#) technical assistance.

iv. QUICK LINKS

1. [EPA Regulations](#)
2. [Ratepayer-Funded Energy Efficiency](#)
3. [Demand Response](#)
4. [Recovery Act Assistance](#)
5. [Uniform Methods Project](#)

v. EPTA PROGRAM

1. [Overview](#)
2. [Get Assistance](#)
3. [Technical Assistance Topics](#)

vi. RELATED LINKS

1. [DOE State and Local Government Resources](#)
2. [DOE Tribal Technical Assistance](#)
3. [DOE State, Local, and Tribal Technical Assistance](#)

j. [State, Local and Tribal Technical Assistance Gateway](#)

- i. The State, Local and Tribal Technical Assistance Gateway provides an access point to DOE's technical assistance and cooperative activities with state, local and tribal officials. Through its program and staff offices, DOE has engaged extensively with various levels of state, local and tribal governments, providing technical assistance on a range of energy issues. Our existing technical assistance and other activities, as well as relevant information offered by other federal agencies, are provided below by program or topic.

k. [Department of Energy State and Local Government Information](#)

i. [Office of Indian Energy Policy and Programs](#)

1. Funds and implements activities that assist American Indian Tribes and Alaska Native villages with energy development, capacity building, energy cost reduction, and electrification of Indian lands and homes.

ii. [Office of Congressional and Intergovernmental Affairs](#)

1. Provides guidance on legislative and policy issues, informing constituencies on energy matters. Serves as a liaison between the Energy Department, Congress, state, local, and tribal governments, and other federal agencies and stakeholders.

iii. [Federal Energy Management Program](#)

1. Provides agencies and organizations with the information, tools, and assistance they need to meet and track their energy-related requirements and goals.

iv. [Office of State and Community Energy Programs](#)

1. Enables strategic investments in energy efficiency and renewable energy technologies and innovative practices across the United States by a wide range of government, community and business stakeholders, in partnership with state and local organizations.

- v. [State Energy Program](#)
  - 1. Provides funding and technical assistance to states, territories, and the District of Columbia to enhance energy security, advance state-led energy initiatives, and maximize the benefits of decreasing energy waste
- vi. [State and Local Solution Center](#)
  - 1. A resource hub for states, local governments, and K-12 school districts that highlights technical assistance opportunities to help reach energy efficiency and renewable energy goals.
- I. [State, Local and Tribal Technical Assistance Gateway Direct Technical Assistance](#)
  - i. [State and Local Solution Center](#)
    - 1. helps states, local governments, and K-12 schools take clean energy to scale in their communities using a searchable database based on four key action areas or by topic and/or resource type. Action areas include in depth information on how to develop a clean energy strategy, design and implement clean energy programs, pay for clean energy, and access and use energy data.
  - ii. [Tribal Energy Technical Assistance](#)
    - 1. Provides strategic energy planning and project development technical assistance to federally recognized Indian tribes, tribal energy resource development organizations, and other organized tribal groups and communities to advance tribal renewable energy and energy efficiency projects.
  - iii. [Nuclear Energy Technical Assistance](#)
    - 1. Provides technical assistance on nuclear energy issues to states and communities as they develop strategic energy plans.
  - iv. [Better Buildings Challenge](#)
    - 1. Can provide technical assistance to state and local governments who commit their organizations to lead in saving energy, saving money, and showcasing the best energy saving strategies and their results.
  - v. [Clean Cities Technical Assistance](#)
    - 1. Has "Tiger Teams" that help states and local communities overcome obstacles for deploying alternative fuels and advanced vehicles.
  - vi. [Combined Heat and Power Technical Assistance Partnerships](#)
    - 1. Formerly called the Clean Energy Application Centers (CEACs), promote and assist in transforming the market for CHP, waste heat to power, and district energy technologies and concepts.
  - vii. [Clean Energy Ministerial Solutions Center Ask an Expert](#)
    - 1. International service is available at no cost to government agency representatives from any country and the technical institutes assisting them.

- viii. [SunShot Solar Technical Assistance Team](#)
  - 1. Provides states, localities, and tribes credible and timely information on effective solar policy and program development to meet local solar goals from DOE and the DOE's National Laboratories.