

# Technical Assistance Overview

U.S. DEPARTMENT OF  
**ENERGY**

Energy Efficiency &  
Renewable Energy



**August 19, 2010**

Molly Lunn, SEP & EECBG  
Technical Assistance Lead

- Goals & Objectives
- Key Principles
- Approach & Delivery
- Accessing Technical Assistance (TA)
  - Online resources: Solution Center
  - Provider network: Technical Assistance Center (TAC)
- Team 3: Financing

**Goal:** To provide SEP & EECSBG recipients with the resources needed to swiftly implement successful and sustainable clean energy programs.

## Objectives

- *Accelerate implementation*, by proactively providing assistance to grantees
- *Improve the performance* of programs and projects, by connecting grantees to technical expertise and sharing best practices
- *Increase the return on Recovery Act investments*, by focusing on highly-leveraged initiatives
- *Increase the sustainability of Recovery Act investments*, by assisting grantees in developing policies and programs
- *Build capacity* at the state, local, and tribal level, by supporting and expanding a network of energy practitioners

- Team Approach
  - DOE Headquarters
  - DOE Project Officers
  - State and Local Regional Coordinators
  - Provider Network
  - TAP Infrastructure (TAC and Call Center)
- Streamlined assistance, minimizing layers of bureaucracy
- Dynamic and flexible framework, capable of responding to your needs and growing as demand requires

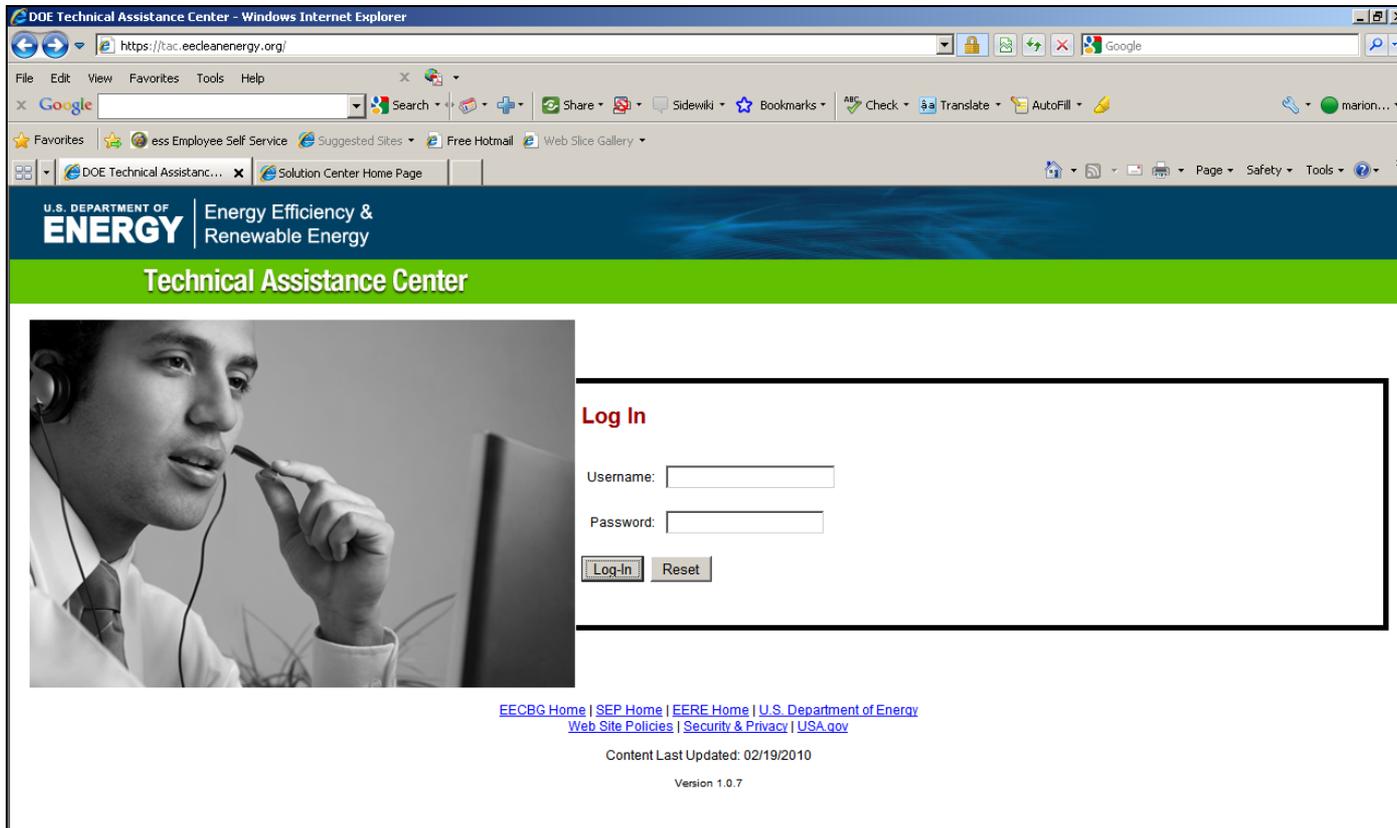
- Establish a network of technical experts to develop materials and provide one-on-one assistance
- Create an online portal to house TA resources
- Deploy regional coordinators that 1) connect grantees to technical assistance resources and 2) identify emerging trends and needs
- Create infrastructure to systematically manage TA requests

Solution Center 2.0 live now: <http://wip.energy.gov/solutioncenter>

The screenshot shows the Energy Solution Center 2.0 website. At the top, it features the U.S. Department of Energy logo and the text "Energy Efficiency & Renewable Energy". Below this is a green banner with "Solution Center" and "Technical Assistance for EECBG & SEP". A navigation bar includes "Webcasts", "Project Map", and "Request Technical Assistance". On the left, a sidebar lists categories: Buildings, Electric Power and Renewable Energy, Energy Education, Industry, Policy, Planning, and Energy Security, Transportation, Financial Products, and Technical Assistance Services. The main content area includes a description of the Solution Center, an "Upcoming Webcast" titled "Getting to Net Zero Today" (March 18, 2010, 12:00 EST) with a "Register Now" link, and a "Need Help?" section with a "Click Here to Request Technical Assistance" button and the phone number 1-877-EERE-TAP (1-877-337-3827). On the right, there is a search bar and two "FEATURES" boxes: "SEP Program Guidance" and "EECBG Program Guidance". Below the main content, an "Activities" section describes best practices and includes a diagram with labels for "EECBG Activities" and "SEP Activities". The diagram shows various energy-related activities such as "Residential and Commercial Building Energy Audits", "Development of an Energy Efficiency and Conservation Strategy", "Material Conservation Programs", "Reduction and Capture of Methane and Greenhouse Gases", "Energy Efficiency Retrofits", "Energy Distribution Technologies", and "Renewable Energy Technologies on".

Resources include: best practices, templates, webinars, project map, events calendar, TAP blog

Technical Assistance Center live now: <https://tac.eecleanenergy.org/>



The screenshot shows a Windows Internet Explorer browser window displaying the DOE Technical Assistance Center website. The browser's address bar shows the URL <https://tac.eecleanenergy.org/>. The website header features the U.S. Department of Energy logo and the text "Energy Efficiency & Renewable Energy". Below the header is a green banner with the text "Technical Assistance Center". The main content area includes a black and white photograph of a man wearing a headset and holding a pen to his chin, looking thoughtful. To the right of the photo is a "Log In" section with two input fields for "Username:" and "Password:", and two buttons labeled "Log-In" and "Reset". At the bottom of the page, there are several links: [EECBG Home](#), [SEP Home](#), [EERE Home](#), [U.S. Department of Energy](#), [Web Site Policies](#), [Security & Privacy](#), and [USA.gov](#). Below the links, it states "Content Last Updated: 02/19/2010" and "Version 1.0.7".

Make a request for direct technical assistance here  
or call 1-877-EERE-TAP (1-877-337-3827)

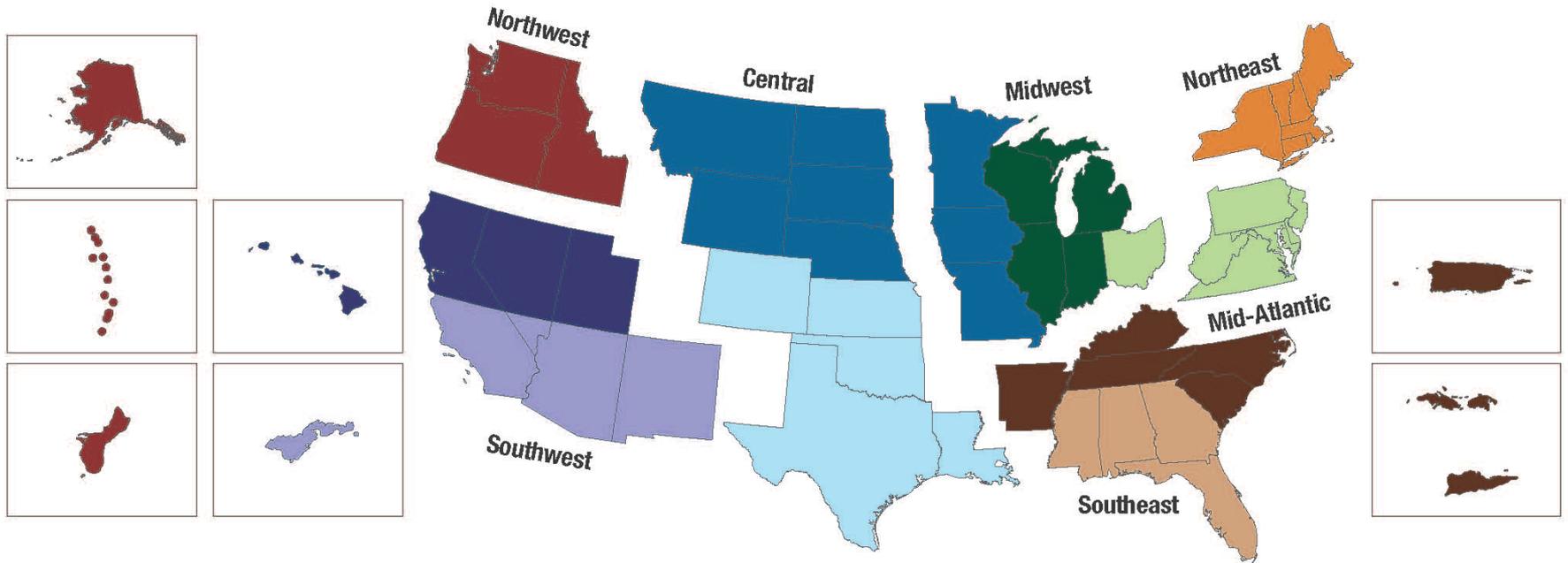
- Requests are evaluated and assigned
- Criteria, which may be considered in determining the level and type of technical assistance:
  - Will the TA support the intended benefits of the Recovery Act?
  - Are local TA resources available?
  - Is the TA critical to the successful completion of the project?
  - Will the TA expedite the project's completion?
  - Will it lead to a sustainable program or project?
- A network of experts will respond to requests

<b>Team 1: State and Local Capacity Building</b>	<ul style="list-style-type: none"><li>• Trainings</li><li>• Workshops</li><li>• Peer-to-peer matching</li></ul>
<b>Team 2: Performance Contracting</b>	<ul style="list-style-type: none"><li>• Designing and implementing a performance contract</li><li>• Leveraging private investment</li><li>• Reducing institutional barriers</li><li>• Tracking and comparing programs</li></ul>
<b>Team 3: Financing</b>	Program design support and guidance on financing mechanisms such as: <ul style="list-style-type: none"><li>• Revolving loan funds (RLFs)</li><li>• Property-assessed clean energy (PACE)</li><li>• Loan loss reserves and enhanced credit mechanisms</li></ul>
<b>Team 4: Program Design and Implementation</b>	<ul style="list-style-type: none"><li>• Policy and program development</li><li>• Coordinating rate-payer funded dollars with ARRA projects and programs</li><li>• Sustainable community and building design</li><li>• State and regional EE and RE assessments and planning</li><li>• EE and RE portfolio program design elements</li></ul>
<b>Team 5: Technical</b>	<ul style="list-style-type: none"><li>• Renewable energy siting and development</li><li>• Review of technical specs for RFPs</li><li>• Strategic planning, energy management, and conservation strategies</li><li>• Green building technologies</li><li>• Building codes</li></ul>

# Who is TAP?

DOE National Laboratories: National Renewable Energy Lab, Lawrence Berkeley National Laboratory, Oak Ridge National Laboratory • American Council for an Energy-Efficient Economy • Ballard Spahr, LLP • Boise State Environmental Finance Center • Cadmus • Catalyst Financial Group • Center for Climate Strategies, Inc. • E. P. System Group • Energy Efficiency Finance Corporation • Energy Futures Group • Energy Programs Consortium • Energy Services Coalition • Great Lakes Environmental Finance Center • HarcourtBrown • ICF International • Midwest Energy Efficiency Alliance • National Association of State Energy Officials • National Association of Counties • National Governors Association • National Resources Defense Council • New England Environmental Finance Center • New Mexico Tech Environmental Finance Center • Northcross, Hill & Ach • Northeast Energy Efficiency Partnerships • Northwest Energy Efficiency Alliance • Public Technology Institute • Renewable Funding • Sentech, Inc. • Southeast Energy Efficiency Alliance • Southwest Energy Efficiency Project • Stewards of Affordable Housing for the Future • Syracuse Environmental Finance Center • Tensleep Advisory • The Cadmus Group, Inc. • University of Delaware Center for Energy and Environmental Policy • University of Louisville Environmental Finance Center • University of Maryland Environmental Finance Center • University of North Carolina Environmental Finance Center • University of North Carolina School of Government • Vermont Energy Investment Corporation

# EECBG/SEP TTA Regional Coordinators



## State Regional Coordinators

<b>Northeast</b>	Chuck Guinn, straguinn@aol.com 518-478-0748
<b>Mid-Atlantic</b>	Chuck Clinton, cclinton@naseo.org 703-299-8800 x19
<b>Southeast</b>	Brian Henderson, bhenderson@naseo.org 518-469-7497
<b>Midwest</b>	Jeff Pillon, jpillon@naseo.org 517-256-8821
<b>Central</b>	Jim Ploger, jploger@naseo.org 785-383-2557
<b>Northwest</b>	Bill Nesmith, wnesmith@naseo.org 503-580-4499
<b>Southwest</b>	Jim Arwood, jarwood@naseo.org 602-468-1702

## Local Regional Coordinators

 <b>Northeast</b>	Marianne Graham, MGraham@icfi.com 603-291-0071	 <b>North Central</b>	Zach Abrams, ZAbrams@icfi.com 646-334-1174
 <b>Mid-Atlantic</b>	Leigh-Golding DeSantis, LDeSantis@icfi.com 202-862-1202	 <b>South Central</b>	Micah Brill, MBrill@icfi.com 202-862-1177
 <b>Southeast 1</b>	Marylou Einfalt, MEinfalt@icfi.com 919-246-4903	 <b>Northwest</b>	Karen Tsai, KTsai@icfi.com 415-677-7165
 <b>Southeast 2</b>	Mitch Brown, MitchBrown@icfi.com 404-861-7227	 <b>West</b>	Liz Grubin, LGrubin@icfi.com 415-677-7114
 <b>Midwest</b>	Therese Dorau, TDorau@icfi.com 202-862-2686	 <b>Southwest</b>	Aaron Burdick, ABurdick@icfi.com 818-325-3158

- Team of finance experts led by Center for Climate Strategies and Cadmus, with backgrounds in:
  - Designing financing programs
  - Raising capital & accessing investors
  - Creating loan loss reserves & credit enhancements
- This group of experts is available to help you develop your finance programs
- Technical assistance comes in several forms:
  - Tailored one-on-one assistance
  - Webinars
  - Guidance and memoranda on key finance issues
  - Implementation guide & workshops

# Thank You

TAP is DOE's opportunity to help you! We encourage you to:

- Explore our online resources via the [Solution Center](#)
- If you have questions or suggestions, please contact me directly at [marion.lunn@ee.doe.gov](mailto:marion.lunn@ee.doe.gov), or the TAP Team at [solutioncenter@ee.doe.gov](mailto:solutioncenter@ee.doe.gov).



**VERMONT ENERGY**  
INVESTMENT CORPORATION

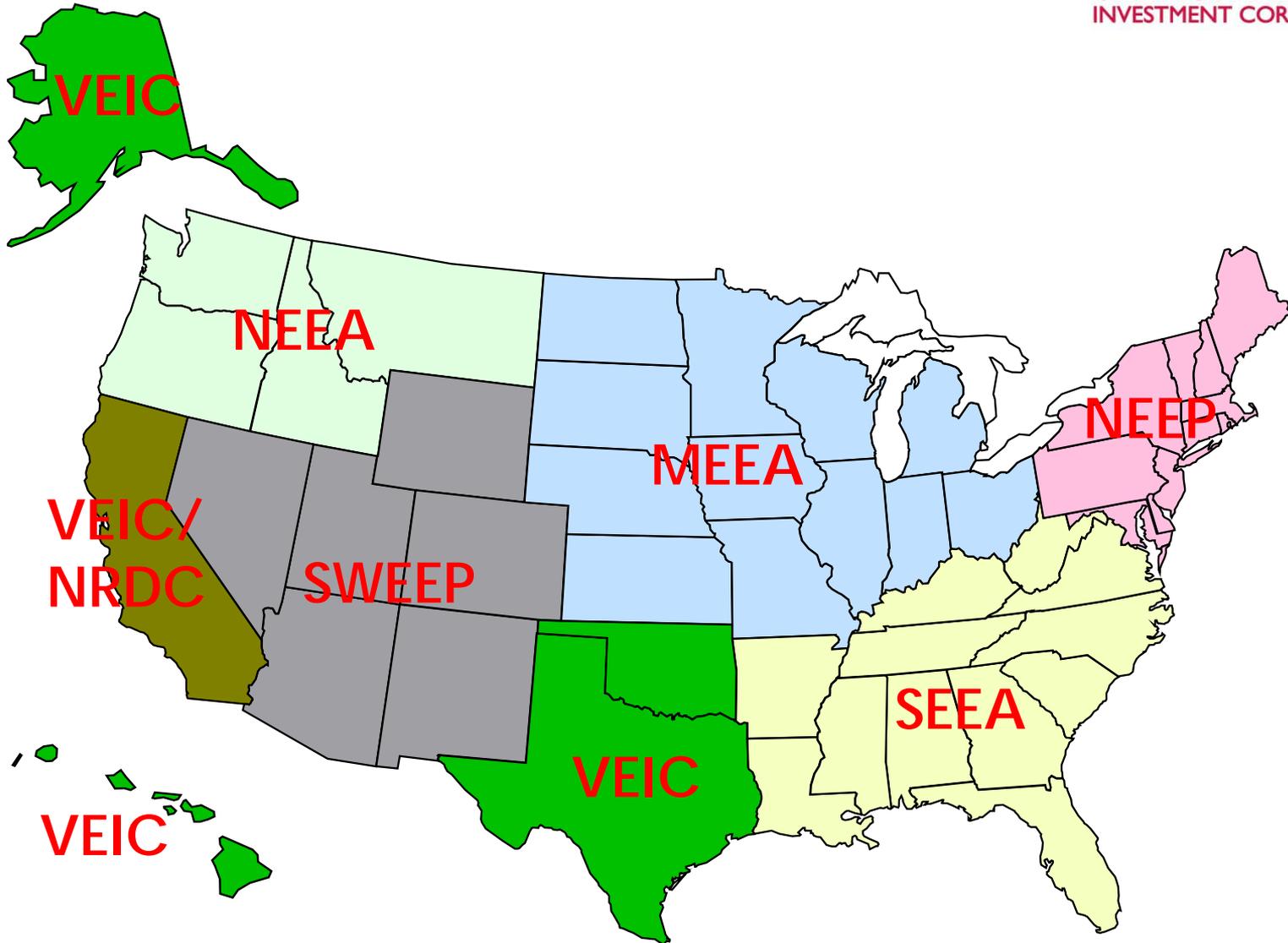
Better Buildings Grantees  
Presentation  
August 19, 2010

Team 4  
Program/Project Design and  
Implementation

# Team 4: Who we are



# Team 4: National Footprint



ACEEE: National Support



# Team 4 Areas of Expertise

- **Building Audits & Retrofits**
- **Building Codes**
- **Sustainable Building Practices**
- **Performance Contracting**
- **Financial Mechanisms**
- **Renewable Energy**
- **Street/Traffic Lighting**
- **Transportation**
- **Material Conservation**
- **Energy Planning**
- **Energy Policy**
- **Energy Program Design**
- **Education & Training**
- **Outreach & Marketing**
- **Partnering & Networking**

# Team 4: What we do

## **Program Design & Implementation** Technical Assistance to EECEBG, SEP, and Better Buildings Grantees

- General program design guidance from seasoned implementers
- Insights on building a strong stakeholder base
- Technical guidance on day-to-day operations
- Understanding how/when to work with utilities
- Leveraging and linking to other community initiatives
- Developing a strong workforce, and effective training and QA processes



# Team 4: Direct TA

**Direct Assistance**: Driven by individual grantees needs and questions. Generated by TAC requests, DOE/ORNL, other TA Teams, Grantees.

- Measure specific technical questions to program design consulting (and everything in between)
- Focus on energy savings, sustainability, market transformation, job creation, etc.

# Team 4: Group TA

Group Assistance: General information and guidance that can assist large numbers of grantees at once. Generated by analysis of grantee activities and needs.

- **Retrofit Programs**
  - public & residential, street lighting
- **Evaluation, Measurement and Verification**
  - estimating, tracking, verifying & evaluating impacts
- **Building Energy Codes**
  - IECC 2009, code compliance best practices, green building codes, advanced / “stretch” codes
- **Community Energy Planning**
  - key elements/best practices, building/leveraging partnerships, building citizen participation, incorporating renewables, CHP & district energy (municipal)
- **Transportation**
- **Renewables**

# Team 4: Group TA

## Information “Delivery Vehicles”

- success stories/case studies
- webinars
- ‘playbook’ chapters / best practice manuals
- workshops / peer-to-peer meetings
- leveraging conferences (develop/lead tracks)
- templates (e.g. RFP scopes of work)
- TAP blog
- Etc.

# Contact us!

**VEIC:** Dan Quinlan, [dquinlan@veic.org](mailto:dquinlan@veic.org), 802-488-7677 (**Team 4 Lead**)

Direct TA Lead: Cheryl Jenkins, [cjenkins@veic.org](mailto:cjenkins@veic.org), 802-488-7603

Group TA Lead: Nikki Kuhn, [nkuhn@veic.org](mailto:nkuhn@veic.org), 802-488-7812

**MEEA:** Wendy Jaehn, [wjaehn@mwalliance.org](mailto:wjaehn@mwalliance.org), 312-784-7272

**NEEP:** Ed Londergan, [elondergan@neep.org](mailto:elondergan@neep.org), 781-860-9177

**NEEA:** Dave Kresta, [dkresta@nwalliance.org](mailto:dkresta@nwalliance.org), 503-827-8416

**SWEEP:** Curtis Framel, [cframel@swenergy.org](mailto:cframel@swenergy.org), 303-447-0078

**SEEA:** Ben Taube, [ben@seealliance.org](mailto:ben@seealliance.org), 404-931-1518

**ACEEE:** Eric Mackres, [emackres@aceee.org](mailto:emackres@aceee.org), 202-507-4038

**NRDC:** Lara Ettenson, [lettenson@nrdc.org](mailto:lettenson@nrdc.org), 415-875-6100

**EFG:** Richard Faesy, [rfaesy@energyfuturesgroup.com](mailto:rfaesy@energyfuturesgroup.com), 802-482-5001



U.S. Department of Energy  
**Energy Efficiency  
and Renewable Energy**

Bringing you a prosperous future where energy  
is clean, abundant, reliable, and affordable

**Weatherization & Intergovernmental Program**

# **Technical Assistance Program Team 5 - National Laboratory Partnership**

August 19, 2010

Alex Dane

National Renewable Energy Laboratory



# Technical Assistance Program (TAP) for States, Cities, Counties, Territories and Tribes

**GOAL:** To provide the resources needed to swiftly implement successful and sustainable clean energy programs

- Provide quick access to technical and policy experts at DOE national laboratories and expanded TA provider network.
- Direct, short-term assistance with cross-cutting energy efficiency and renewable energy issues that are not covered by other DOE programs.
- A cooperative effort by DOE Headquarters, DOE Project Management Centers, DOE national laboratories, and TA providers.





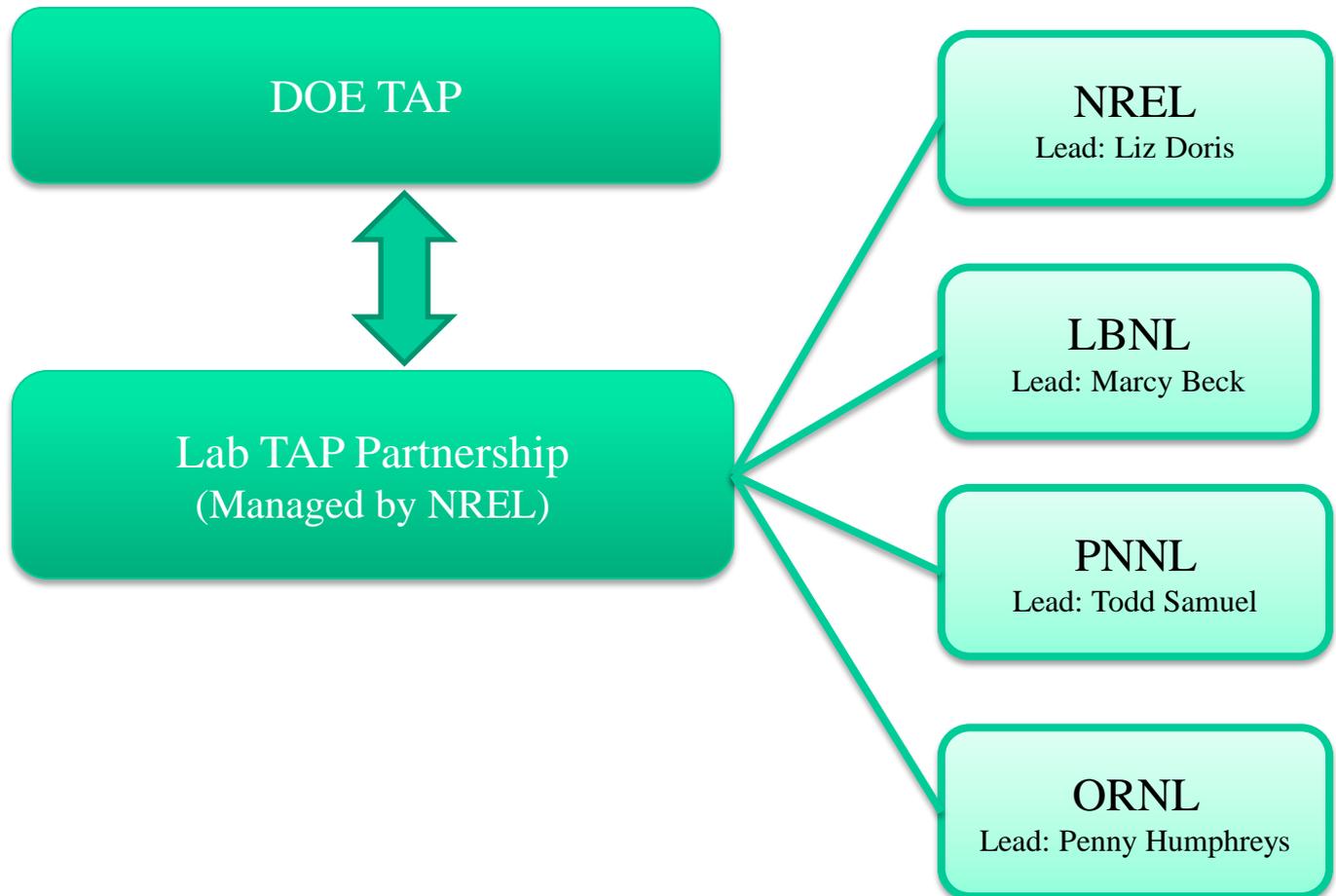
# Department of Energy Laboratory System





# Team 5

## Lab TAP Partnership





## **National Laboratory Capabilities**

- **Heating, Ventilating and Air Conditioning (HVAC)**
- **Combined, Cooling, Heat, and Power (CHP)**
- **Geothermal (Ground-Source Heat Pumps)**
- **Building Envelope**
- **Building Code Analysis**
- **Solid State Lighting**
- **Applied Building Science**



# What Type of TA is Available?

State and Local Capacity Building	<ul style="list-style-type: none"><li>• Trainings</li><li>• Workshops</li><li>• Peer-to-peer matching</li></ul>
Technical	<ul style="list-style-type: none"><li>• Renewable energy siting and development</li><li>• Review of technical specs for RFPs</li><li>• Strategic planning, energy management, and conservation strategies</li><li>• Green building technologies</li><li>• Building codes</li></ul>
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Financial	Program design support and guidance on financing mechanisms such as: <ul style="list-style-type: none"><li>• Revolving loan funds (RLFs)</li><li>• Property-assessed clean energy (PACE)</li><li>• Loan loss reserves and enhanced credit mechanisms</li></ul>
Performance Contracting	<ul style="list-style-type: none"><li>• Designing and implementing a performance contract</li><li>• Leveraging private investment</li><li>• Reducing institutional barriers</li><li>• Tracking and comparing programs</li></ul>



# Accessing TA

Solution Center - <http://www1.eere.energy.gov/wip/solutioncenter/>

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

## Solution Center

Technical Assistance for EECBG & SEP

Webcasts | Project Map | Request Technical Assistance

**Buildings**

**Electric Power and Renewable Energy**

**Energy Education**

**Industry**

**Policy, Planning, and Energy Security**

**Transportation**

**Financial Products**

**Technical Assistance Services**

The Solution Center is the home for Energy Efficiency and Conservation Block Grant (EECBG) Program and State Energy Program (SEP) technical assistance resources. The goal of the Solution Center is to help eligible grantees and sub-grantees develop and implement successful energy efficiency and conservation projects and programs that meet the conditions and guidelines of the EECBG and SEP programs. Please spend some time exploring this page and take full advantage of the resources available.

**Upcoming Webcast**

**Getting to Net Zero Today**

March 18, 2010, 12:00 EST

[Register Now>](#)

**Need Help?**

[Click Here to Request Technical Assistance](#)

Or call 1-877-EERE-TAP (1-877-337-3827)

**FEATURES**

[SEP Program Guidance](#)

[EECBG Program Guidance](#)

**Activities**

The Solution Center has gathered best practices, tools, sample projects, and other related resources for all eligible EECBG and SEP activities. Find resources for your projects via the maps below or the menu on the left-hand side of this page.

EECBG Activities | SEP Activities

Residential and Commercial Building Energy Audits

Development of an Energy Efficiency and Conservation Strategy

Material Conservation Programs

Reduction and Capture of Methane and Greenhouse Gases

Energy Efficiency Retrofits

Energy Distribution Technologies

Renewable Energy Technologies

Financial

Grantees can request TA via the Technical Assistance Center (TAC)  
or call 1-877-EERE-TAP (1-877-337-3827)



U.S. Department of Energy  
**Energy Efficiency and Renewable Energy**

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable

# TAC Login Page

<https://tac.eecleanenergy.org>

- User role-based, password secure access
- Accessible from the Internet, there is a link on the Solution Center website

The screenshot shows the top of the TAC website. The header is dark blue with the U.S. Department of Energy logo and the text "Energy Efficiency & Renewable Energy". Below this is a green banner with "Technical Assistance Center". The main content area is white and features a large image of a man in a white lab coat wearing a headset, looking at a computer monitor. To the right of the image is a login form with the following elements:

- Log In** (in red text)
- Username:
- Password:
- Log-In button
- Reset button



# Access the TAP Blog!

<http://www.eereblogs.energy.gov/tap/>

Ask questions of webinar presenters, enter comments about the presentation topic, and share your thoughts with others.

Connect with technical and programmatic experts

Share best practices about your renewable energy and energy efficiency programs.

## Technical Assistance Program Blog

U.S. DEPARTMENT OF ENERGY Energy Efficiency & Renewable Energy

### Local Energy Rebate Programs

June 11, 2010 11:19 | [Comments \(1\)](#)

**Maggie from Florida asks:** Anyone implement an energy rebate program at a local level? Is it being managed by staff or was it contracted out competitively? Any advice on how to best implement/manage such a program?

**The TAP Team responds:** There are quite a few good examples of energy programs offered at a local level that offer rebates, technical assistance and other incentives. A few of these include the following:

- The City of Charlottesville and Albemarle County in Virginia jointly formed the Local Energy Alliance Program (LEAP) which is creating and administering energy efficiency (EE) programs for the residential sector. The Southeast EE Alliance (SEEA) seed funded the creation of LEAP in 2009 and the county and city have each allocated EECBG funds for LEAP to take programs to scale. They are currently working on rebates, incentives, and a local contractor network to deliver services to the residential sector. LEAP site: [www.leap-va.org](http://www.leap-va.org)
- The town of Babylon, New York has rolled out the Long Island Green Homes Program in which residents can make energy efficient improvements to their homes at little or no cost and without assuming new debt through some innovative municipality-based financing initiatives. <http://www.townofbabylon.com/about/new.cfm?id=367>
- The Cambridge (Massachusetts) Energy Alliance is a not-for-profit organization created to save residents money, while reducing Cambridge's carbon footprint. The Alliance is working with homeowners, businesses and institutions across the city to achieve unprecedented levels of energy savings and to expand clean energy sources. They offer:
  - Comprehensive energy assessments/audits for Cambridge buildings, generally for free
  - Up to 30% reductions in energy bills
  - Energy efficiency upgrades with no up front cash required
  - A one-stop energy solution with guaranteed quality
  - See: <http://cambridgeenergyalliance.org/>
- The ClimateSmart programs are run by the City of Boulder, Colorado's Office of Environmental Affairs. For information on Boulder's programs, see: [http://www.bouldercolorado.gov/index.php?option=com\\_content&view=article&id=116&Itemid=396](http://www.bouldercolorado.gov/index.php?option=com_content&view=article&id=116&Itemid=396)

The management of these programs varies. The municipalities listed above include both municipal staff tasked with running these programs and others that have an outside non-profit organization providing services on behalf of the municipality. There are other examples of municipalities that outsource these services to for-profit consulting firms (Charleston, SC is about to put out an RFP to hire one).

There is not one best way to go on implementing/managing municipal EE programs. There are good reasons and justifications for each of these three models. If the municipality is

**BLOG HOME**

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**PAGES**

- [TAP Blog Policy](#)

**ABOUT THE BLOG**

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The *Technical Assistance Program Blog* provides a platform for state, local, and tribal government officials that receive funding from the DOE State Energy Program and Energy Efficiency and Conservation Block Grants to connect with technical and programmatic experts and share best practices about their renewable energy and energy efficiency programs. Can't find what you're looking for? Contact the TAP Blog Team via email to suggest a topic or submit materials you'd like to share.

**RELATED LINKS**

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- [Energy Information Center](#)
- [Office of Energy Efficiency and Renewable Energy](#)
- [Weatherization & Intergovernmental Program](#)
- [Technical Assistance Program](#)
- [Solution Center](#)

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**META**

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- [Sign In](#)



# Thank You!

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We encourage you to:

- Explore our online resources via the **Solution Center**
- Submit a request via the **Technical Assistance Center**
- Ask questions via our call center at **1-877-337-3827**