

Monthly Tribal Energy Webinar Series

Every 4th Wednesday of the Month

1:00pm to 2:30pm Mountain Time
(3:00 Eastern, 2:00 Central, 12:00 Pacific, 11:00 Alaska)

Tribal Energy Team
Office of Weatherization and Intergovernmental Programs
February 24, 2010



A few housekeeping notes...

- All participants are muted. Use Q&A to ask questions throughout the session.
- If you have technical difficulties, please type issue into the chat window.
- Presentation will be available after the webinar. Audio and transcription will be available a few days at this link:
<http://www.eecbg.energy.gov/solutioncenter/webcasts/>



Monthly Tribal Energy Webinar Series

Tribal Energy Strategic Planning

Speakers

U.S. Department of Energy

Molly Lunn

Lizana Pierce

National Renewable Energy Laboratory

Roger Taylor, NREL



Purpose

The Department of Energy's Tribal Energy Program will begin a monthly Webinar series (4th Wednesday of every month).

The purpose of this new series of Webinars is to provide a wide variety of information on timely energy-related topics to Indian Country.



Agenda

The first Webinar, entitled "Tribal Energy Strategic Planning" will cover:

- 1) Introduction
- 2) EEC Strategy
- 3) EECBG Strategic Planning (Activity 1)
- 4) Developing a Strategic Energy Plan for your Tribe
- 5) Additional Resources & Technical Assistance
- 6) Questions and Answers



Tribal Energy Program

Purpose

- Promote Tribal Energy sufficiency, economic development, and employment on tribal lands through the use of renewable energy and energy efficiency

Mission

- Offering financial and technical assistance to Tribes through government-to-government partnerships that:
 - 1) Empower Tribal leaders to make informed decisions about energy choices;
 - 2) Bring renewable energy and energy efficiency options to Indian Country;
 - 3) Enhance human capacity through education and training;
 - 4) Improve local Tribal economies and the environment; and
 - 5) Make a difference in the quality of life of Native Americans.

For more, see <http://apps1.eere.energy.gov/tribalenergy/>

Energy Efficiency and Conservation Block Grant Program (EECBG) – Recovery Act

The Energy Efficiency and Conservation Block Grant Program provides grants to Indian tribes, local governments, states, and U.S. territories to fund projects that reduce energy use and fossil fuel emissions, and that improve energy efficiency.

Purpose - The purpose of the program is to assist eligible entities in implementing strategies to

- Reduce fossil fuel emissions created as a result of activities within the jurisdictions of eligible entities in a manner that is environmentally sustainable; and to the maximum extent practicable, maximizes benefits for local and regional communities;
- Reduce the total energy use of the eligible entities; and
- Improve energy efficiency in the transportation sector; the building sector; and other appropriate sectors.



Eligible Uses of Funds (EECBG)

- Primarily for energy efficiency and energy conservation
- Community-wide; not just municipal buildings and facilities
- Don't have to do capital *projects*, can do *programs*
- Prioritize activities that pay dividends year after year
- Funds must be obligated within 18 months, expended within 36

1. Strategy Development
2. Technical Consultant Services
3. Building Energy Audits
4. Financial Incentive Programs
5. Energy Efficiency Retrofits
6. Energy Efficiency and Conservation Programs for Buildings and Facilities
7. Development and Implementation of Transportation Programs
8. Building Codes and Enforcement
9. Energy Distribution Technologies
10. Material Conservation Programs including source reduction, recycling, and recycled content procurement programs
11. Reduction and Capture of Methane and Greenhouse Gases
12. Traffic Signals and Street Lighting
13. Renewable Energy Technologies on Government Buildings



Attachment D of the FOA

ENERGY EFFICIENCY AND CONSERVATION STRATEGY (EECS)

Attachment D – EEC Strategy (EECS)

- The EECS (Attachment D) is a strategy of how you plan to spend the allocated EECBG funds, only.
- It is not intended as a long-term strategic energy plan, which could be proposed under Eligible Activity #1 (Development of a Strategic Energy Plan).
- Attachment D form (EECS) can be obtained from http://www.eecbg.energy.gov/downloads/DE_FOA_0000013_Amendment_000003.pdf
- A Tribal specific sample can be found at http://www.eecbg.energy.gov/Downloads/Attachment_D_Sample_Tribal.pdf

NOTE: That Tribe need only complete four of the six questions.

EE&CS: Your Answers Should Address

Question 1 – What is your Proposed EE & Conservation Strategy?

- Clearly identify the goals and objectives relating to the use of **EECBG funds only**.
- If you have an existing strategy, explain how EECBG funding will support it.
- Outline briefly the major milestones.
- Example: “This project, the Capital Improvement Energy Efficiency Retrofit Program, aligns with the eligible activity, Energy Efficiency Retrofits. “

Question 2 – What is Your Proposed Implementation Plan?

- Identify the eligible activities that programs and projects fall under.
- How do you plan to implement these activities?
- Relate response to Question 1 goals as appropriate.
- Example: “Under the eligible activity, Energy Efficiency Retrofits, the ESCO’s energy audit serves as [County] county’s implementation plan. We will use EECBG program funds to provide ...”

Question 3 – How are You Working with Adjacent Units of Local Government? **(Optional for Tribes)**

- How are you coordinating with your neighbors?
- Example: [County] is a member of Regional Council which has convened meetings and held planning workshops for elected officials and staff for the purpose of setting regional energy reduction goals.

EE&CS: Your Answers Should Address

Question 4 – How Will You Share Information with Your State? **(Optional for Tribes)**

- Explain how are you sharing information with your State
- Example: “We plan to share information with our state by providing them monthly reports and inviting them to our monthly meetings.”

Question 5 – Describe How the Project Sustains Benefits Beyond the Recovery Act Period?

- Describe how your eligible activities are yielding benefits beyond the three year funding period.
- Show how these funds are being treated as an investment in the community.
- Example: “ Energy reductions and cost savings resulting from our activities will sustain over the lifetime of the installed equipment, with added assurance as a result of our city’s regular maintenance and operations schedule...”

Question 6 – How Will You Ensure Transparency & Accountability?

- What steps are you taking to prevent fraud, waste, error, and abuse?
- Example: “The Office director will be responsible for the plan development and implementation, and will regularly present budget and metric results to the city manager and city council. The Office director will work with the city’s EECBG working committee of city, utility and public stakeholders to review the plan and provide for public input...”

Attachment D of the FOA

ENERGY EFFICIENCY AND CONSERVATION STRATEGY

- Template

<http://www.eecbg.energy.gov/solutioncenter/default.html>

1. Describe your government's proposed Energy Efficiency and Conservation Strategy.

The [Tribe, Native Community, Native Corporation] from time immemorial has always been committed to adopting best ecological practices and policies in our government, services for our infrastructure and in relation to the natural environment in which we live. Within our [natural resources, environment, housing, forestry, utility, facilities, or other] department, energy efficiency and conservation [techniques, plans, programs] are of increasing importance due to rising energy costs. Our Tribal [council, native community/corporation] [leadership, board] has passed a resolution (attached) supporting the EECBG-funded efforts described below, as part of the [Tribe, Native Community, Native Corporation] commitment to reducing energy consumption and costs, thereby improving the local economy through jobs creation and retention of local earnings.



{Select appropriate goals and describe specific facilities, as appropriate}

Goal #1: Create and maintain functionally appropriate, sustainable, accessible, high quality Tribal infrastructure and facilities.

Goal #2: Protect and optimize the Tribe's natural ...

Goal#3: Adopt and enforce land-use policies that ...

Goal #4: Decrease overall community consumption of ...

Goal #5: Promote, implement and integrate sustainable practices ...

The Program's priorities are to: *{as appropriate}*

- 1) Reduce energy usage in our existing residential homes and neighborhoods
- 2) Reduce energy usage in existing facilities
- 3) Establish a revolving loan fund to ...
- 4) Establish a local jobs market to ...
- 5) Minimize administrative costs through ...

The What



Major Actions Timetable (from funding date):

1 month -- Establish Working Group/Committee

3 months -- Develop residential/Tribal facility audit package

1 month -- Identify eligible Tribal facility measures

2 months -- Approve residential and Tribal facility measures

3 to 12 months -- Train local residents through (contractually required) internships with contractors if local skills are not available

3 months -- Establish the local energy services company administrative node

1 to 3 months -- Establish monitoring, verification and inspection procedures

3 months- 24 months -- Implementation of measures

3 months -- Begin inspection and continuous evaluation to end of project



2. Describe your government's proposed implementation plan for the **use of EECBG Program funds only**

The Program's priorities are to: *{as appropriate}*

- 1) Reduce energy usage in our existing residential homes and neighborhoods
- 2) Reduce energy usage in existing facilities
- 3) Establish a revolving loan fund to ...
- 4) Establish a local jobs market to ...
- 5) Minimize administrative costs through ...

The How



3. Describe how your government is taking into account the proposed implementation plans and activities for use of funds by adjacent units of local government that are grant recipients under the Program (**response not mandatory for Indian Tribes**).

*{While not required, if a key purpose of the proposal is to **establish a Tribal Consortium among participants from neighboring Tribes, Native Communities, or within Regional Corporations**, the proposal and regional energy plan can be strengthened by describing the benefits of this collaboration}*

4. Describe how your government will coordinate and share information with the state in which you are located regarding activities carried out with grant funds to maximize energy efficiency and conservation benefits (**response not mandatory for Indian Tribes**).



5. Describe how this plan has been designed to ensure that it **sustains benefits** beyond the EECBG funding period. (see website text examples)

6. The President has made it clear that every taxpayer dollar spent on our economic recovery must be subject to unprecedented levels of transparency and accountability. Describe the **auditing or monitoring procedures** currently in place or that will be in place (by what date), to ensure funds are used for authorized purposes and every step is taken to prevent instances of fraud, waste, error, and abuse.

The Who's in charge

<http://www.eecbg.energy.gov/solutioncenter/default.html>



Two Options for Submitting EECS (Attachment D)

- Submit with your application using Attachment D; or
- Submit within 120 days of award
- Post Award – Submit to tribaleecbg@go.doe.gov as an email attachment.

Note: Additional forms and files may be required if not submitted originally with your application



Required Forms and Files with Submittal of and EECS (Attachment D)

- When the EECS is provided after award (as Attachment D), a complete portfolio of all proposed activities to be executed under the grant shall also be provided, as well as all related budget information, including the budget justification, and NEPA forms (if applicable).
- A copy of the Funding Opportunity Announcement and associated forms can be obtained at http://www.eecbg.energy.gov/downloads/DE_FOA_0000013_Amendment_000003.pdf. See pages 21-22 for a summary of required forms/files.
- Once these documents are received, the EECS, the activities and all related forms shall be reviewed by DOE and a subsequent Amendment to the grant shall be executed.

Note: submit to tribaleecbg@go.doe.gov



Required Forms and Files with Submittal of and EECS (Attachment D)

Required forms and files may include:

- Activity Worksheets for each activity planned to be conducted with EECBG funds (Attachment B1)
- Budget Information (SF 424 A Excel) - A separate budget by cost category should be provided for each Activity (Columns 1 through 4) in Section B with the Total (Column 5) being the sum of all activities and equal to the total EECBG allocation. Note the restrictions on administrative costs published in the Funding Opportunity Announcement (FOA).
- Budget Justification (see pages 16-17 of the FOA)
- Davis-Bacon Assurance: Statement that the recipient will comply with the Davis-Bacon wage rates.
- For awards over \$250,000, sub award budget information (see page 17 of the FOA)
- Financial Management Assessment (Attachment B2)
- SF-LLL Disclosure of Lobbying Activities
- National Environmental Policy Act (NEPA) - Complete NETL F 451.1-1/3-EECBG and submit, if applicable. (See pages 18-21 of the FOA).

Attachment B-1 of the FOA

Development of a Strategic Energy Plan

Eligible Activity #1 under EECBG



B-1 Attachment -- Project Activity Sheet

EECBG Activity Worksheet

Grantee: _____ Date: _____

DUNS #: _____ Program Contact Email: _____

Program Contact First Name: _____ Last Name: _____

Project Title: _____

Activity: _____ If Other: _____

Sector: _____ If Other: _____

Proposed Number of Jobs Created: _____ Proposed Number of Jobs Retained: _____

Proposed Energy Saved and/or Renewable Energy Generated: _____

Proposed GHG Emissions Reduced (CO2 Equivalents): _____

Proposed Funds Leveraged: _____

Proposed EECBG Budget: _____

Projected Costs Within Budget: Administration: _____ Revolving Loans: _____ Subgrants: _____

Project Contact First Name: _____ Last Name: _____ Email: _____

Metric Activity: _____ If Other: _____

Project Summary: *(limit summary to space provided)*

- Describes activities (1 through 13) to be conducted with EECBG funding
- Activity #1: Development of a strategic energy plan
- One activity per sheet
- Describe activity
- Proposed benefits are estimates only
- Be brief, clear and complete
- Samples provided at on the EECBG website under Solution Center (www.eecbg.energy.gov)



Developing a Strategic Energy Plan

- Vision statement: Where do you want to end up?
- Champions: Who's going to lead the charge?
- Energy needs and forecasts: Defining the problem.
- Energy resource options: Energy supplies available on and off the reservation.
- Preliminary choices: Choosing your tribe's best options.
- Setting priorities: Identifying your tribe's priorities.
- Writing the strategic plan: Putting it all together.

See DOE's Tribal Energy Program's "Guide to Tribal Energy Development" at www.eere.energy.gov/tribalenergy/guide



Tribal Strategic Energy Planning Framework

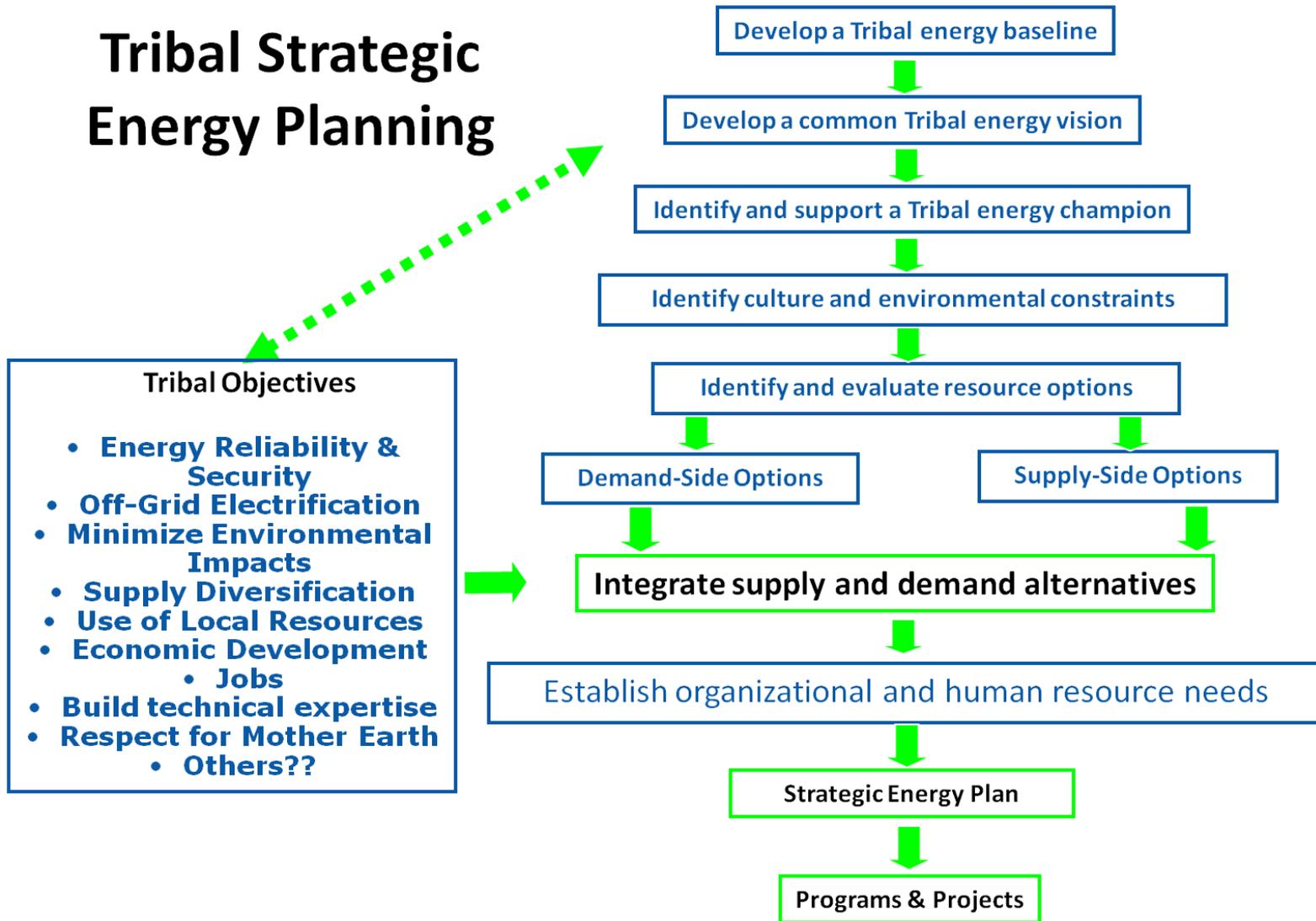


Strategic Energy Planning

*Defining where you are,
Where you want to go,
What are your energy options, and
Developing a plan to get there.*

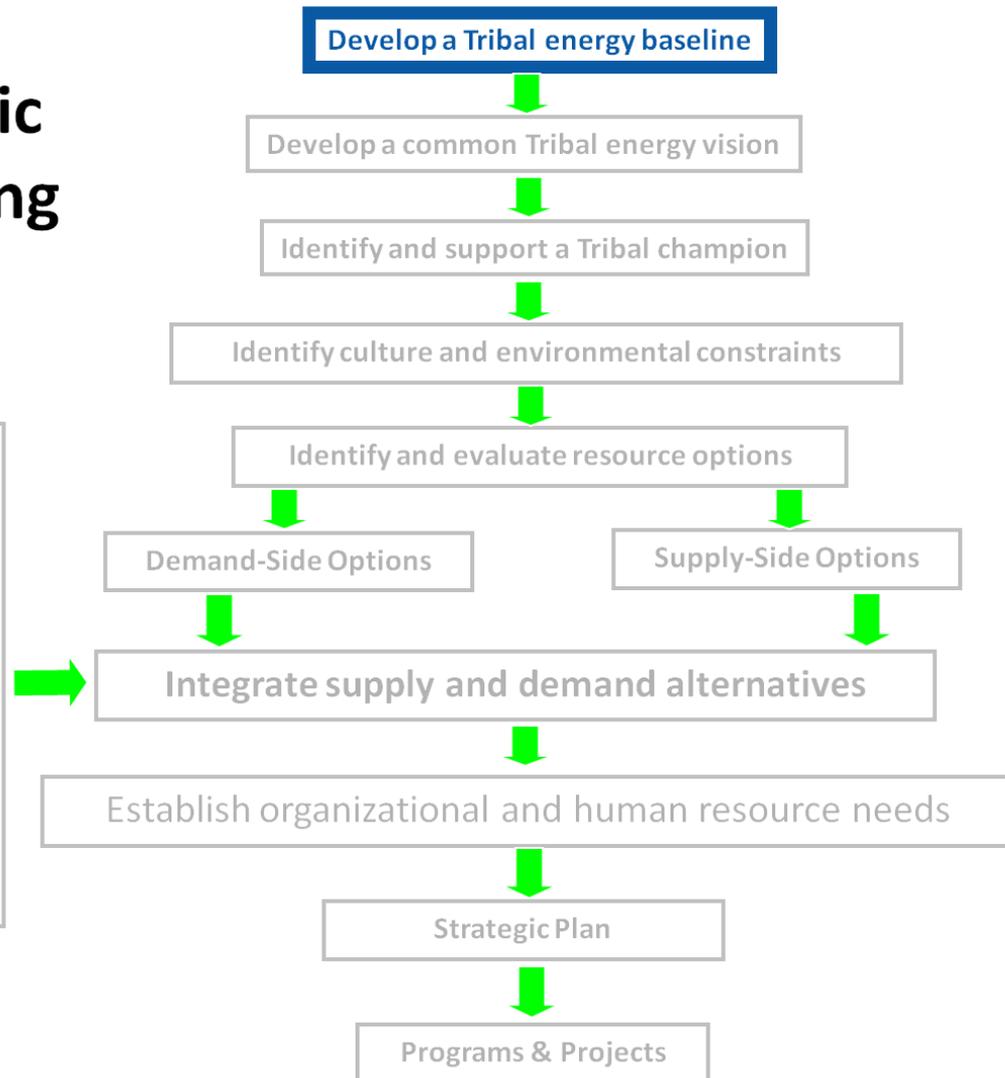


Tribal Strategic Energy Planning





Tribal Strategic Energy Planning



Develop a Tribal energy baseline**Tribal Energy Audit**

- All individual energy flows, in detail
- Buildings, Transportation, Agriculture, Water

Forecast of New Loads

- Markets, Coops, Housing, Lodging, Casino, Warehouse

Details of current Service Providers

- Who, where, how much, tariffs, level of cooperation
- Electric, Gas, Propane, Wood
- Load profiles, in detail

Local Energy Supply Options

- RE and fossil fuel inventory

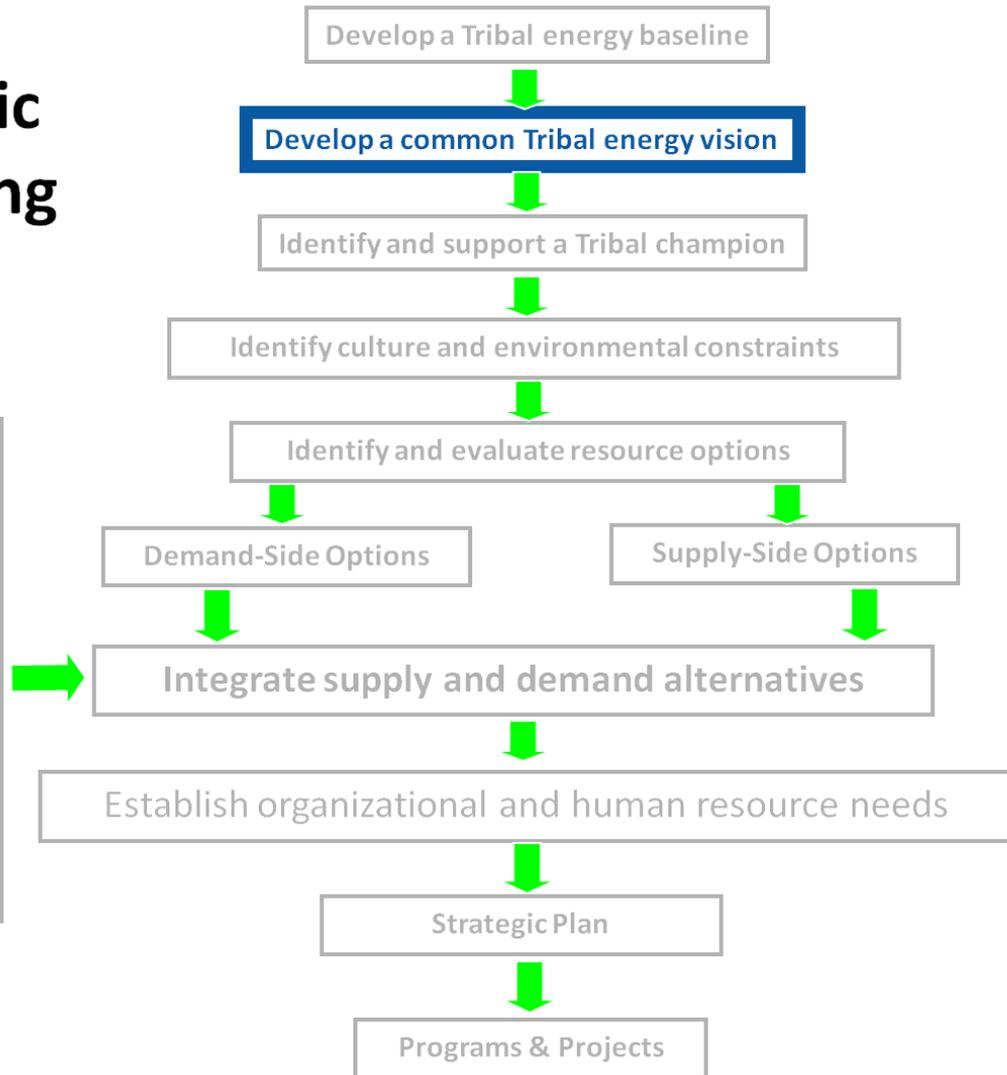
Add it all up, categorize by load type, quantify load growth



Tribal Strategic Energy Planning

Tribal Objectives

- **Energy Reliability & Security**
- **Off-Grid Electrification**
- **Minimize Environmental Impacts**
- **Supply Diversification**
- **Use of Local Resources**
- **Economic Development**
 - **Jobs**
- **Build technical expertise**
- **Respect for Mother Earth**
 - **Others??**





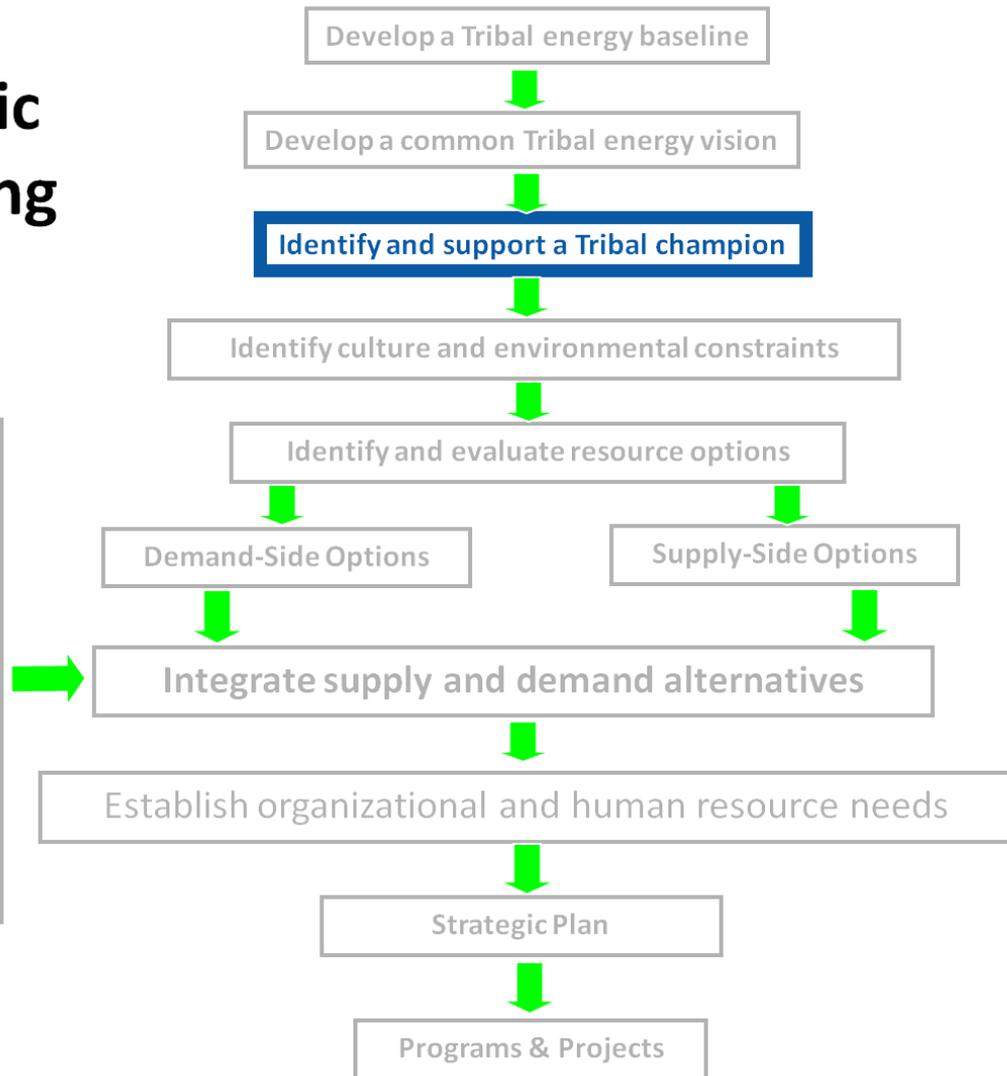
Develop a common Tribal energy vision



- Place a “marker” on where the tribe wants to be – in ~ 20 years, or 1 generation.
- A statement, or resolution, approved by the Tribal Council following input from broader tribal community
- The vision sets clear direction, but is not too prescriptive (where not how)



Tribal Strategic Energy Planning





Identify and support a Tribal champion



A tribal champion (or team) is key – this individual or, more likely, team must be empowered to:

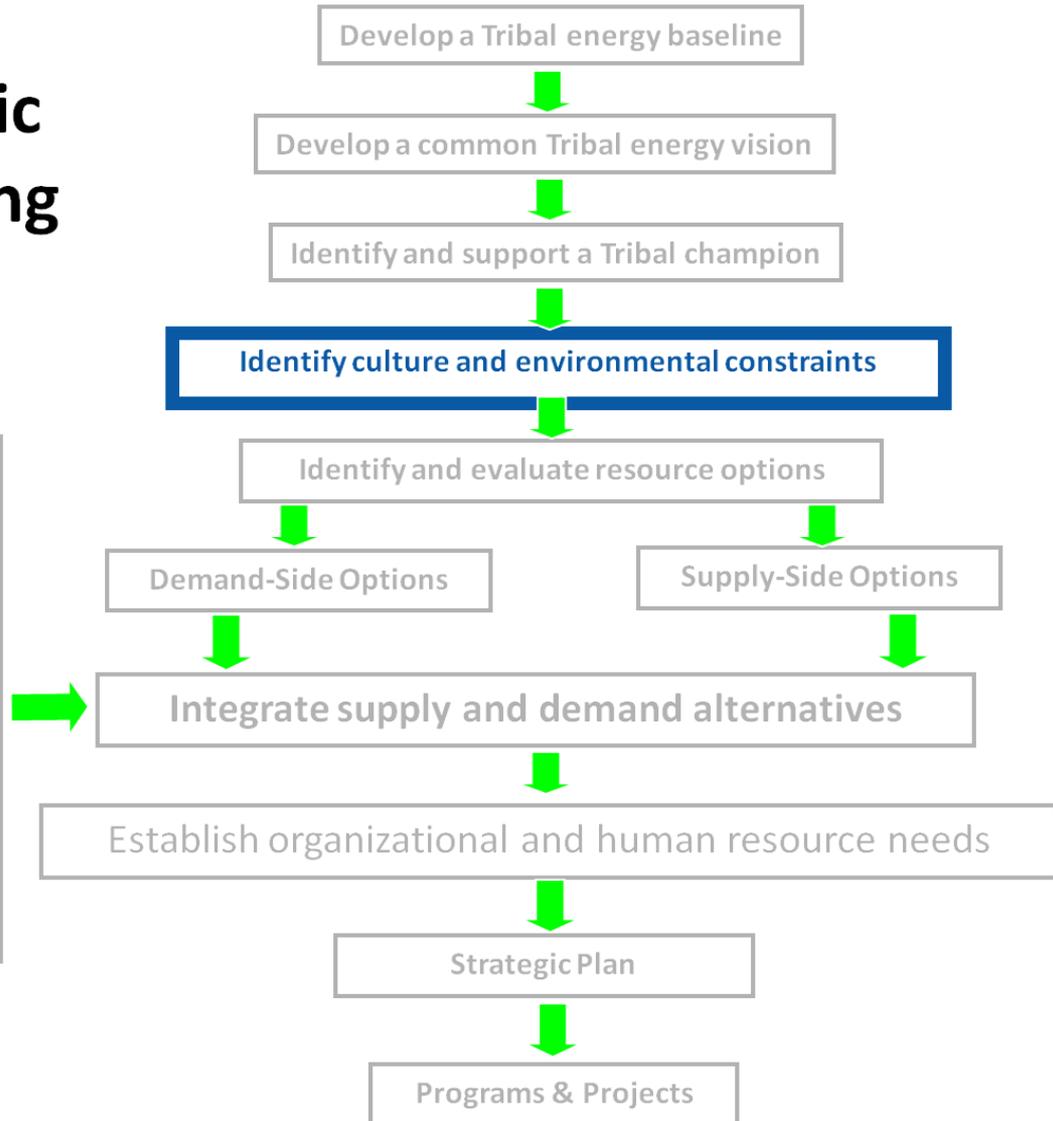
- explore the range of supply & demand options,
- facilitate tribal consensus,
- lead the strategic energy planning process forward,
- make recommendations to Tribal Council, and General Council



Tribal Strategic Energy Planning

Tribal Objectives

- Energy Reliability & Security
- Off-Grid Electrification
- Minimize Environmental Impacts
- Supply Diversification
- Use of Local Resources
- Economic Development
 - Jobs
- Build technical expertise
- Respect for Mother Earth
 - Others??



Identify culture and environmental constraints



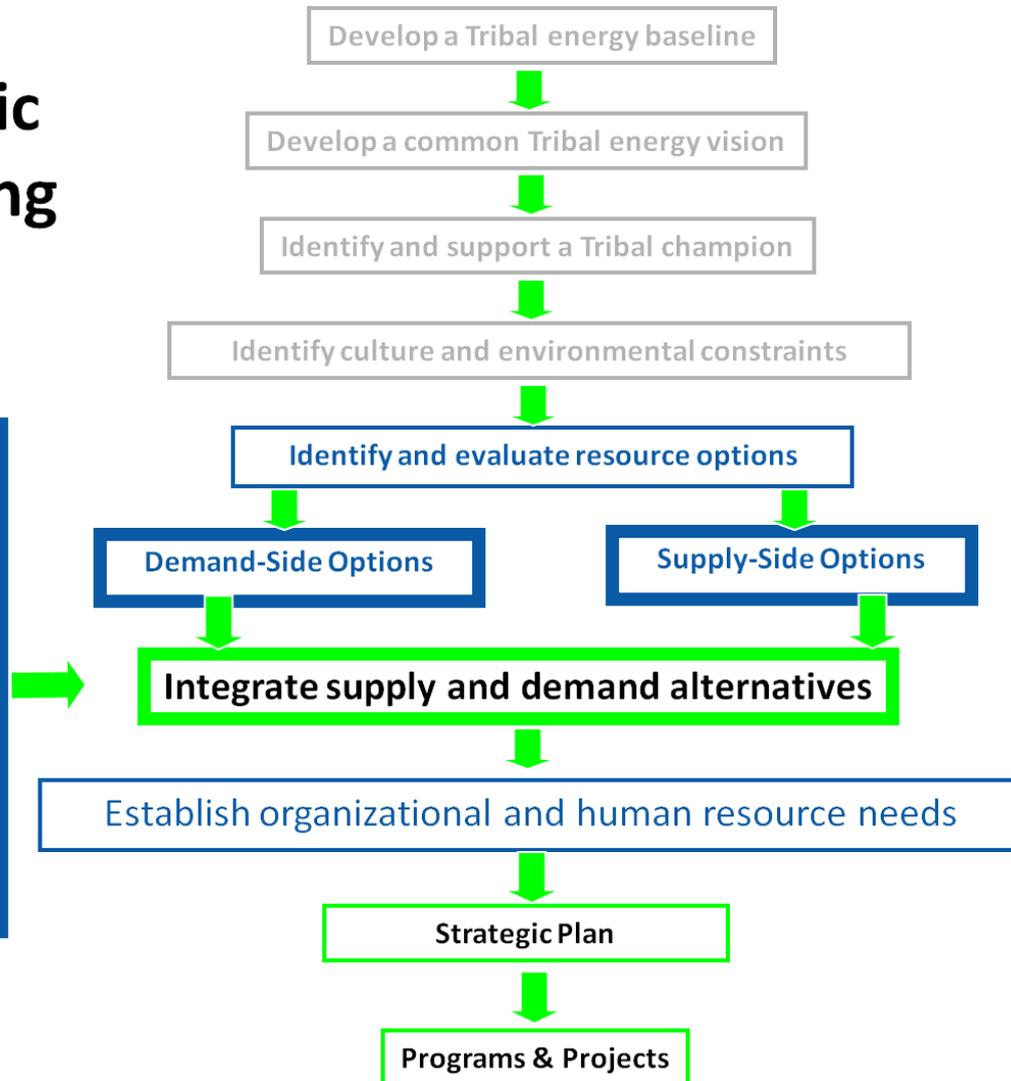
- Natural Resource Valuation
 - Water and Air
 - Wildlife Habitat
 - Forests, rangelands, wetlands, other
- Technology Effects
 - Emissions, Aesthetics, Noise
- Economic Development Trade-offs
- Cultural Impacts – (Sacred Sites, Plants, Burial Grounds)
- Tribal Impact – Community & Government
- Other Considerations



Tribal Strategic Energy Planning

Tribal Objectives

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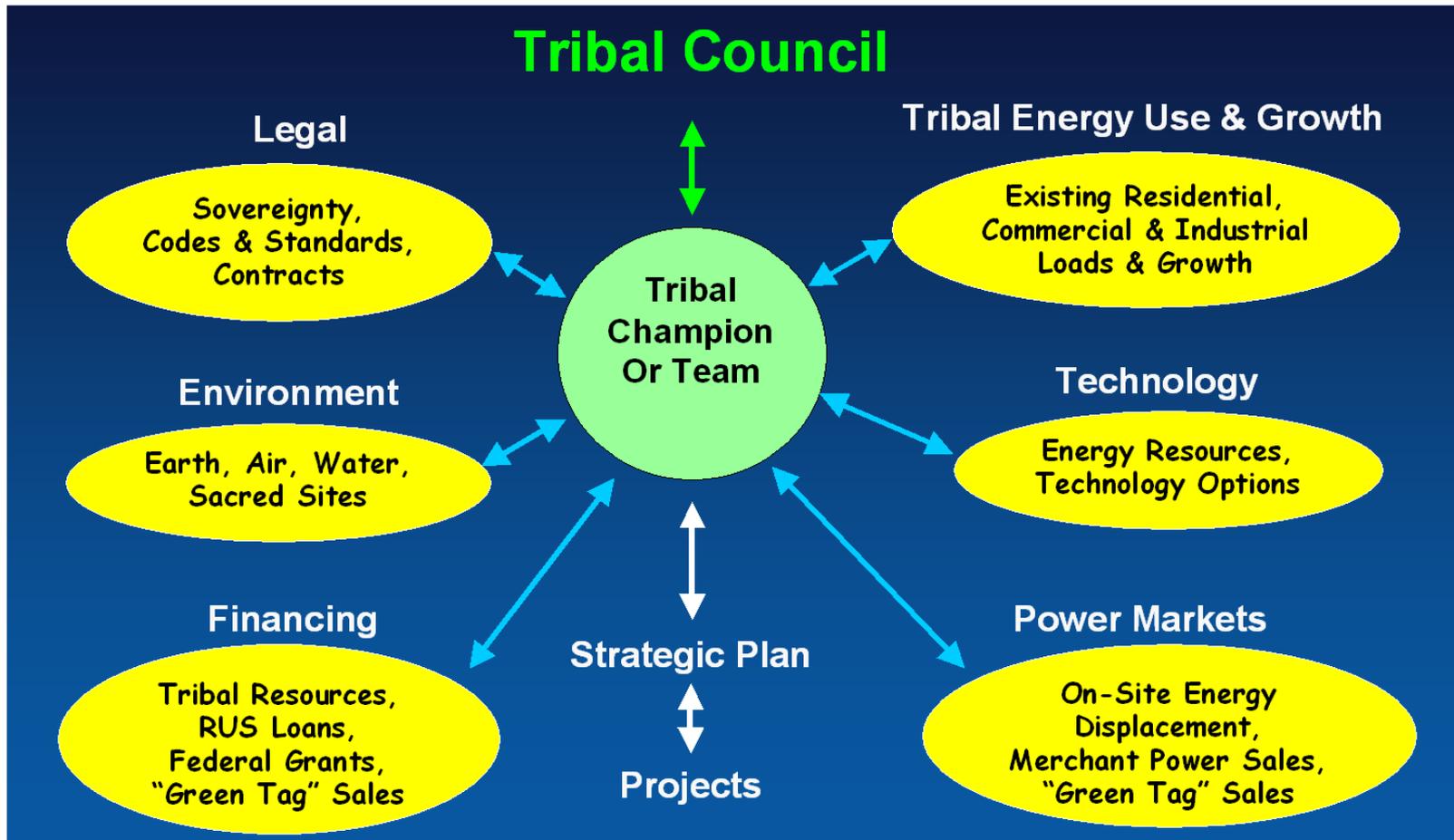




Establish organizational and human resource needs



How do you want to make it happen?





Establish implementation program & projects

Characteristics of a Solution

- **Rapid**
- **Technically & Institutionally Sustainable**
 - **Maximize Coordination**
 - **Politically Feasible**
- **Attracts Financing, Capital, Sweat Equity**
 - **Reinforces tribal enterprises**



Opportunities & Strategies

- Tribal utility formation
- Strategic industry partnerships
- Tribal cooperatives
- Education

Barriers Identification

- Financing
- Human Capacity Development
- Organizational Development
- Tribal Laws and Regulations
- Clear Decision Making Process
- Stable Leadership



EECBG Technical Assistance

Goal: To provide Recovery Act recipients with the tools, resources and assistance needed to implement sustainable clean energy programs that support job creation and energy reductions at the state, local, and tribal level.

Approach:

- Deploying regional coordinators that 1) connect state, local, and tribal governments to technical assistance resources and 2) identify emerging trends and training needs
- Focusing on highly leveraged projects that maximize the ratio of private investment to ARRA funds
- Designing policies and programs that extend beyond the Recovery Act period

Resources:

- Online: best practices, how-to guides, templates, webinars, project map, community forum, events calendar
- Provider network: one-on-one assistance, workshops, peer matching

Current Status

Existing

- Online resource – Solution Center
- Technical Assistance Program – TA providers at Natl. Labs
- Financial Team
- NASEO Regional Coordinators
- TA Working Group

In Process

- Solution Center 2.0 (live this week)
- Expanded TA network (live mid Mar.)

Resources Available

Type of Technical Assistance	National Labs	Expanded Network
Technical Support	✓	
Building Retrofits – Performance Contracting	✓	✓
Financing	✓	✓
Program Design & Implementation	✓	✓
State & Local Capacity Building		✓



Accessing TA - NOW

- TA is available now via the existing Solution Center (<http://www.eecbg.energy.gov/solutioncenter/default.html>)

The screenshot shows the 'Solution Center' page for the Energy Efficiency and Conservation Block Grant Program. The page is titled 'Solution Center' and includes a navigation menu with links for 'About the Program', 'Solution Center', 'Grantees', 'Information Resources', 'Financial Opportunities', and 'Home'. The main content area is divided into several sections: 'Webcasts', 'Eligible Activities', 'Application Resources', and 'Financial Products'. A 'What's New' section highlights 'ARRA Technical Assistance' and 'Revolving Loans Funding'. A sidebar on the right contains a search bar and a 'FEATURES' section with links to sample strategies for City, County, Tribes, and States.

What's New

ARRA Technical Assistance

EECBG grantees may now apply for technical assistance through DOE's [Technical Assistance Project for State and Local Officials](#). Staff at DOE and its national laboratories can provide assistance to states, counties, municipalities, U.S. territories and tribal governments with technical aspects of ARRA projects, strategies, policies, and programs. Technical assistance includes help developing or reviewing an energy strategy (e.g., how to develop the metrics that are required for reporting on the success of the strategy), or help with a specific technology or detailed program plan. Information on how to apply for this assistance can be found [here](#).

Revolving Loans Funding

One of the activities encouraged under the EECBG Program is the creation of long-term funding mechanisms to extend the

- Request TA here from the Technical Assistance Program



Accessing TA – COMING SOON

The screenshot shows a web-based form for requesting technical assistance. The form is titled "EECBG/SEP Technical Assistance" and is part of a "Hybrid Assistance Center". It includes several sections for data entry:

- Partnership Details:** Includes fields for "Partnership Name", "Web Search", "Partnership Dates", and "Partnership Role".
- Location for Assistance:** Includes fields for "Address (line 1)", "Address (line 2)", "City", and "Zip Code".
- Contact Information:** Includes fields for "First Name", "Last Name", "E-mail", and "Phone" for both the requester and the partnership contact.
- Assistance Request:** A large text area for describing the request.
- Expected Deliverable:** A text area for describing what the partnership should expect to receive.
- Estimate of Required Effort:** Includes a dropdown for "Level of Effort" and a date field for "Request Due Date".
- Background Information:** A text area for providing context about the project and the requester.
- Suggestions for Assistance Delivery and Other Information:** A text area for providing any other relevant information.

- Solution Center 2.0 is going live this week (<http://wip.energy.gov/solutioncenter>)
- Request TA here via a simple form
 - Contact info
 - Identify your TA needs
- Or call 1-877-EERE-TAP



For More Information

- DOE Tribal Energy Program
<http://apps1.eere.energy.gov/tribalenergy/>
- Guide to Tribal Energy Development
<http://www1.eere.energy.gov/tribalenergy/guide/index.html>
- EECBG Solutions Center
<http://www.eecbg.energy.gov/solutioncenter/default.html>
- EECBG Program Page
<http://www.eecbg.energy.gov/>
- EERE Recovery Act Activities
<http://www.eere.energy.gov/recovery/>



Questions?

- Send questions on your Tribal EECBG award via email to tribaleecbg@go.doe.gov
- Send questions on the Tribal Energy Program via email to tribal@go.doe.gov



Thank You !

**Check the website for updates:
www.eecbg.energy.gov**