



Energy Efficiency and Conservation Block Grant Consulting

Identifying and Implementing Sustainable Projects

The American Recovery and Reinvestment Act of 2009 appropriates funding to issue/award formula-based grants to states, U.S. territories, units of local government, and Indian tribes under the Energy Efficiency and Conservation Block Grant (EECBG) Program. All entities receiving direct formula grants must develop and/or implement an Energy Efficiency and Conservation Strategy (EECS) and carry out activities to achieve the purposes of the program within 120 days of receiving the grant. The program allows formula grant recipients to use funding to retain consultant services to assist in strategy development.

The management consultants from Black & Veatch's Enterprise Management Solutions division will assist clients in developing an EECS to reduce emissions, decrease consumption, and promote energy efficiency. The Black & Veatch team will collaborate with your

community stakeholders to develop the strategic plan in accordance with EECBG requirements. We work with you to identify and develop high-potential energy savings and greenhouse gas (GHG) emission-reducing opportunities for inclusion in the plan. We then work with stakeholders to develop metrics and evaluation criteria that will help set implementation goals and priorities. Our team will seek innovative, cost-effective solutions, identifying job creation avenues, and verifying funding criteria. We can also review renewable energy applications for government buildings, municipal water facilities, parks and recreational areas, waste management, and transportation.

Project Approach.

Projects will be evaluated and screened based on the criteria highlighted by the EECBG program:

- ◆ Ability to leverage other public and private resources



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- ◆ Enhance workforce development
- ◆ Persist beyond the funding period
- ◆ Promote energy market transformation (such as revolving loans, low-cost loans, energy savings performance contracting, advanced building codes, building/home retrofit incentives and policies, and transportation programs and policies).



Strategy Development and Implementation

Black & Veatch will help structure the strategy development to streamline the planning for EEC projects.

Uniquely Qualified to Deliver EEC Strategic Plans.

We are uniquely qualified to assist clients with this project because of our integrated approach to energy systems, sustainable practices, community involvement and cost-conscious solutions. Black & Veatch has significant experience planning and implementing a wide range of programs for energy efficiency, municipal water and infrastructure programs. Black & Veatch has also helped many clients identify and apply for government grant programs.

◆ *Experienced professionals to deliver time-critical plan:* A significant part of the EECBG challenge is to develop an effective plan within 120 days. This requires an experienced team with current knowledge of the

EEC landscape. Black & Veatch's rapid, highly interactive approach draws from strategic planning, economic/engineering/market analyses, and practical industry knowledge for EEC programs in similar circumstances. We can deliver a high-quality plan within the time frame.

◆ EEC leaders with direct EEC program experience:

The co-leaders of our DSM/EEC practice are both nationally recognized. One was a program manager for the U.S. Department of Energy Municipal Energy Management Grant Program. They can leverage their substantial experience in planning and delivering demand-side management and energy efficiency (DSM/EE) programs.

◆ Multi-sector expertise for comprehensive planning:

In addition to energy planning, Black & Veatch has decades of experience helping municipal water facilities evaluate and implement energy-saving technologies and processes. (Water facilities are often the largest single energy consumer for a municipality.) We've also advised government agencies of all types and levels on environmental, sustainability, funding, and land use decisions. Our consultants, considered experts in the renewable energy field, have extensive experience conducting feasibility studies and designing/evaluating the spectrum of renewable energy projects, including wind, solar, biomass, geothermal, landfill gas, and anaerobic digestion. Black & Veatch's unparalleled depth of industry expertise is unique in the marketplace and will be invaluable to the project team throughout the planning process.

Buildings	Distributed Generation & Renewable Energy	Transportation	Material Conservation
<ul style="list-style-type: none"> ◆ Energy audits ◆ Identify/design/operate programs ◆ Public and staff education ◆ Measurement/verification ◆ Building codes 	<ul style="list-style-type: none"> ◆ District heating and cooling ◆ Distributed generation ◆ Renewable energy (solar, wind, fuel cells, biomass) ◆ Landfill methane 	<ul style="list-style-type: none"> ◆ Flex time/satellite offices ◆ Zoning regulations ◆ Infrastructure (bike lanes, walkways, etc.) ◆ Traffic signal synchronization ◆ Traffic signal LED and street lighting improvements 	<ul style="list-style-type: none"> ◆ Source reduction ◆ Recycling ◆ Recycled content and procurement

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