

Commitment for Better Communities Resource Opportunity for Scoping Level Assessment of Energy Costs for Port Infrastructure and Operations

Through the **Better Communities Alliance** (BCA), the U.S. Department of Energy is introducing *Commitments for Better Communities*, a partnership initiative to help match resources from public and private sector organizations to local government needs. The outcome of this initiative is an expansion of resources for communities that support their achievement of local energy and economic goals, while enabling participating public and private sector organizations to demonstrate innovative solutions.

Resource Opportunity Title: Scoping Level Assessment of Energy Costs for Port Infrastructure and Operations

Organization: Hatch

Contact: Alisa Kreynes (alisa.kreynes@hatch.com)

Organization Description: Hatch is a consulting firm with over six decades of business and technical experience in the energy and infrastructure sectors, including port facilities and marine infrastructure. Hatch's diverse, global network of more than 9,000 professionals combines engineering and business knowledge, working in partnership with its clients to develop market strategies, manage and optimize production, develop new game-changing technologies, and design and deliver complex capital projects. For more information on Hatch, visit www.hatch.com.

Summary of Resource Opportunity: Hatch will conduct a high-level scoping assessment of the port's use of energy and identify potential opportunities for you to reduce your energy costs, for up to 10 communities. Assessments will typically include the following actions and conclude with a summary of the prospects for savings opportunities and a proposed roadmap for achieving these opportunities.

- ▶ Understand the interfaces between the port and terminal operator(s) responsibilities for energy supply, use and cost;
- ▶ Identify the main uses of energy (such as cranes, mobile equipment, lighting, refrigerated containers, ship power), energy types, sources, costs and electricity tariffs;
- ▶ Drive through inspection of operations at the port to identify opportunities to improve efficiency of energy use based on existing equipment and operations;
- ▶ Analysis of the major opportunities to use energy more efficiently and improve power delivery/reliability through equipment changes or modified use of existing equipment;
- ▶ Review of potential for hybrid power generation opportunities including installation of solar PV equipment and effective use of battery storage;
- ▶ Identify grants and state/county available financing for renewable power, micro-grid technology and energy efficiency improvements.

Application Form for Local Government Partners

1. NAME OF LOCAL GOVERNMENT AND STATE.

2. DESCRIBE YOUR INTEREST IN THE INDICATED OPPORTUNITY AND HOW IT SUPPORTS THE ACHIEVEMENT OF LOCAL ENERGY AND/OR ECONOMIC GOALS.

3. INDICATE THE APPROXIMATE TIMEFRAME START AND END DATES) IN WHICH YOU EXPECT TO IMPLEMENT THE INDICATED OPPORTUNITY.

4. STATE THE NAME, TITLE, AND DEPARTMENT OF THE INDIVIDUAL(S) ASSIGNED TO WORK ON THE OPPORTUNITY.

5. INDICATE YOUR TOUCHPOINT/AUTHORITY OVER YOUR PORT:

6. PROVIDE THE NAME AND A BRIEF DESCRIPTION OF YOUR PORT RELATED TO TYPES AND SIZES OF SHIPS VISITING, THROUGHPUT, TYPES OF PRODUCTS ETC.:

7. THESE HIGH-LEVEL ASSESSMENTS REQUIRE APPROXIMATELY TWO WEEKS TO COMPLETE. INDICATE THE APPROXIMATE TIMEFRAME WHEN YOU WOULD LIKE THIS TO BE CARRIED OUT, BEARING IN MIND THAT WE WILL NEED ACCESS TO MANAGEMENT, OPERATION AND MAINTENANCE STAFF FOR THEIR INPUTS WHICH WILL INCLUDE BOTH DISCUSSION AND DOCUMENTATION:

8. OTHER COMMENTS: