



PROCUREMENT

The Super-efficient Equipment and Appliance Deployment (SEAD) Initiative of the Clean Energy Ministerial is a voluntary international government collaboration whose primary objective is to advance global market transformation for energy efficient products.

SEAD procurement activities support this goal by leveraging the bulk purchasing power of public- and private-sector buyers to signal demand for highly efficient products in the market. These efforts are focused on developing effective policy instruments and advancing energy-efficient procurement practices. Because public sector energy use typically accounts for 2 to 5 percent of total energy consumption (World Bank, 2012), SEAD's procurement activities are expected to have a significant impact on reducing energy consumption and government expenditures. Private-sector companies also purchase large numbers of energy-consuming devices and can benefit from procurement policies that minimize life-cycle energy costs.

Activities

SEAD procurement activities provide the research and tools needed by policymakers to develop and implement procurement programs that will reduce energy demand and CO₂ emissions.

To date, the SEAD procurement program has focused on:

- Accelerating the procurement of **energy-efficient street lights**;
- Sharing **best practices** for energy-efficient procurement;
- Improving the **monitoring and evaluation** of green public procurement programs; and
- Cataloging **energy purchasing requirements**; and
- **Facilitating learning and joint research** through collaboration with partners



Street Lighting

Street lighting is typically one of the largest sources of energy consumption under a municipality's control. To accelerate the adoption of energy-efficient street lights SEAD developed and launched the Street Lighting Evaluation Tool to provide a quick, easy way for government procurement officials and lighting specialists to evaluate the light quality, energy consumption, and life-cycle cost of efficient fixtures in street lighting upgrades and retrofits. While not intended to replace professional lighting design software, this tool allows for early stage analysis of multiple design alternatives simultaneously. The tool and other supporting resources can be downloaded for free at www.superefficient.org/sltool.

Municipalities in Mexico and Canada are piloting the tool and other SEAD participating governments are planning pilot deployments of the tool. Lessons learned from these pilots will inform future updates and usage of the tool and will be shared with people interested in the tool. In India, SEAD is exploring a range of activities to promote efficient street lighting and has held a stakeholder consultation in Chennai and manufacturer-led workshops in 5 other Indian cities.



Procurement Best Practices Guide

SEAD has prepared a best practices guide for government procurement of energy-efficient products and services. The primary goal of the guide is to identify challenges in public procurement programs and present steps to overcome these challenges, backed by case studies and examples from public procurement practices of selected SEAD participating governments. The guide provides procurement officials with a road map to implementing effective program structures. The guide is available for download at:

www.superefficient.org/procurementbestpracticesguide

Procurement Monitoring and Evaluation

SEAD identified the need for resources to help policy-makers design and improve monitoring and evaluation systems for energy efficient and green public procurement programs. The goal of these programs is to achieve measurable energy savings and CO₂ reductions by incorporating environmental externalities and life-cycle cost criteria into procurement specifications.

To this end, SEAD published a guide for monitoring and evaluating public procurement programs for energy efficient and green public procurement programs. The guide provides an overview of current practices, highlights international examples including in-depth case studies of monitoring and evaluation practices in Chile, France, Korea, the UK, and the US, and makes recommendations to improve the effectiveness of procurement monitoring and evaluation practices. The guide is available for download at:

www.superefficient.org/procurement_me

Energy Efficient Procurement Webinar Series

A series of training webinars will be organized in conjunction with the Clean Energy Solutions Center to provide training and instruction on topics of interest to



Worldwide, government procurement accounts for between 10 and 15 percent of national GDP, and a large fraction of these purchases - totaling trillions of dollars annually in SEAD participating governments - is for energy-consuming products (USTR, 2013). Effective procurement policies can help governments save considerable amounts of money while also reducing energy consumption.

policymakers and practitioners. Potential topics for webinars include IT Solutions for Boosting the Monitoring of GPP, ISO 50001 and Public Sector EE Procurement, and Institutional Change Models.

Current Participants

SEAD's procurement activities are led by government representatives from Canada, India, Mexico, South Africa, Sweden, the United Kingdom, and the United States (Chair), with support from CLASP, Lawrence Berkeley National Laboratory, Ecoinstitut Barcelona, the Alliance to Save Energy, Public Procurement Analysis, and DEKRA.

The Super-efficient Equipment and Appliance Deployment (SEAD) Initiative of the Clean Energy Ministerial (CEM) and the International Partnership for Energy Efficiency Cooperation (IPEEC) helps turn knowledge into action to accelerate the transition to a clean energy future through effective appliance and equipment energy efficiency programs. SEAD is a multilateral, voluntary effort among Australia, Brazil, Canada, the European Commission, France, Germany, India, Japan, South Korea, Mexico, Russia, South Africa, Sweden, the United Arab Emirates, the United Kingdom, and the United States.