



CLEAN ENERGY
MINISTERIAL

Accelerating the Transition to Clean Energy Technologies

SEAD PROCUREMENT WORKING GROUP

Leveraging Procurement to Promote Energy Efficiency

Christopher Payne, Lawrence Berkeley National Laboratory

World Bank ESMAP Practitioners Workshop

June 7-8, 2012

PRESENTATION OUTLINE

- Clean Energy Ministerial
- Super-efficient Equipment & Appliance Deployment (SEAD)
- SEAD Procurement Working Group

CLEAN ENERGY MINISTERIAL

>90% of Global Clean Energy Investment

> 80% of Global GHG Emissions



Australia



European Commission



Brazil



Canada



China



Denmark



Finland



France



Germany



India



Indonesia



Italy



Japan



Korea



Mexico



Norway



Russia



South Africa



Sweden



Spain



United Arab Emirates



United Kingdom



United States

INITIATIVES LAUNCHED IN JULY 2010

Participation in Clean Energy Ministerial Initiatives

January 2012

	AUSTRALIA	BRAZIL	CANADA	CHINA	DENMARK	EUROPEAN COMMISSION	FINLAND	FRANCE	GERMANY	INDIA	INDONESIA	ITALY	JAPAN	KOREA	MEXICO	NORWAY	RUSSIA	SOUTH AFRICA	SPAIN	SWEDEN	UNITED ARAB EMIRATES	UNITED KINGDOM	UNITED STATES
APPLIANCES (SEAD)	●	●	●		●		●	●	●	●			●	●	●		●	●		●	●	●	●
BIOENERGY		●			●							●								●			
BUILDINGS AND INDUSTRY (GSEP)	●		●		●	●	●	●		●			●	●	●		●	●		●			●
CARBON CAPTURE (CCUS)	●		●	●				●	●				●	●	●	●		●			●	●	●
CLEAN ENERGY POLICY	●							●		●		●	●		●			●		●	●		●
ELECTRIC VEHICLES (EVI)				●	●		●	●	●	●			●					●	●	●		●	●
ENERGY ACCESS (SLED)												●											●
HYDROPOWER		●						●							●	●							●
SMART GRID (ISGAN)	●		●	●		●	●	●	●	●		●	●	●	●	●	●		●	●		●	●
SOLAR AND WIND	●	●			●	●		●	●				●	●	●	●		●	●		●	●	●
WOMEN IN CLEAN ENERGY (C3E)	●				●										●	●		●		●	●	●	●

SUPER-EFFICIENT EQUIPMENT AND APPLIANCE DEPLOYMENT (SEAD)

17 Member Governments

Australia	Brazil	Canada	European Commission
France	Germany	India	Japan
Korea	Mexico	Russia	South Africa
Sweden	United Arab Emirates		United Kingdom
United States	<i>China (observer)</i>		

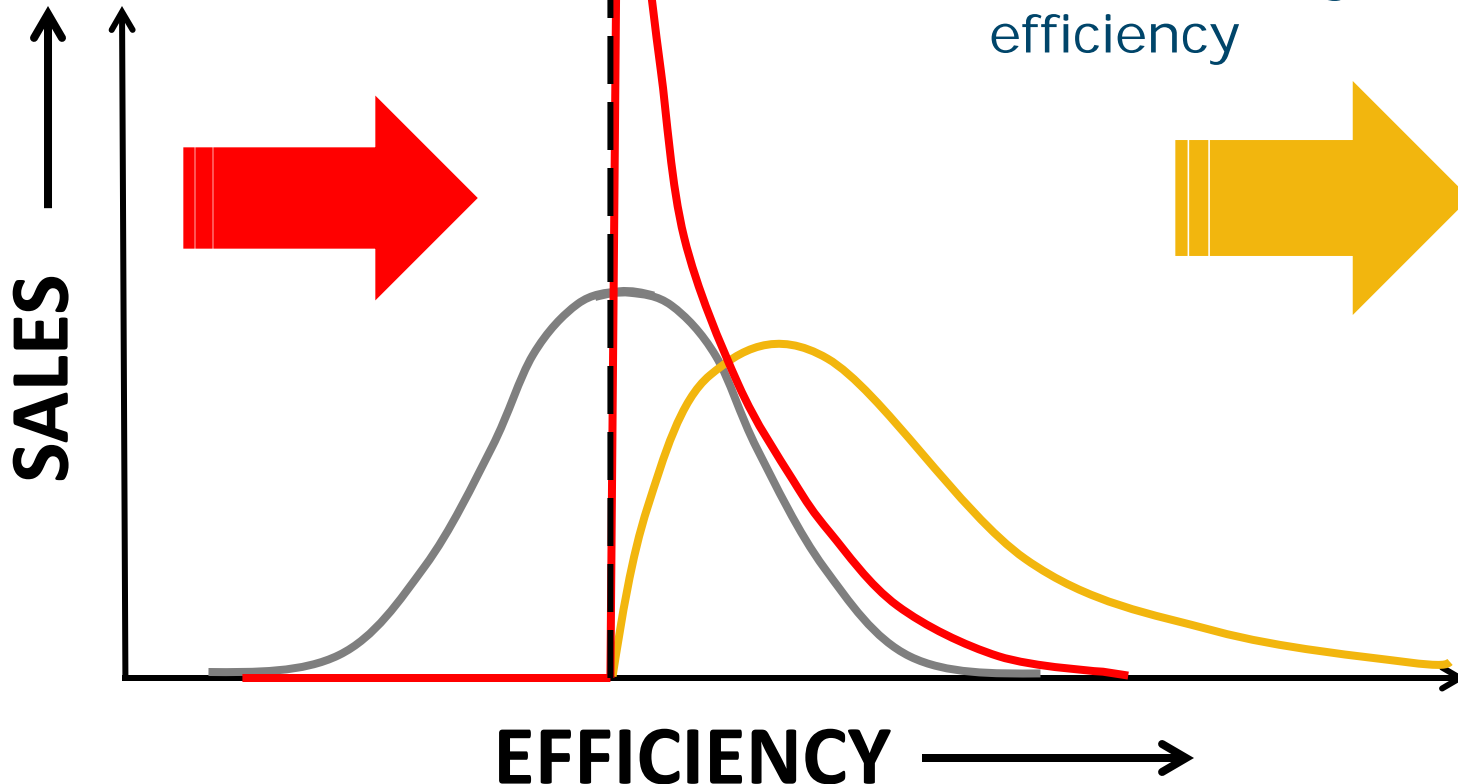
Partners



SEAD OBJECTIVES AND ACTIVITIES

Minimum standards
“push” the market
to higher efficiency

Labels, awards,
procurement and
incentives “pull” the
market to higher
efficiency



SEAD PROCUREMENT WORKING GROUP

- Leverage purchasing power for market pull
- Build strategic partnerships to maximize leverage
- Participants: Canada, Mexico, India, South Africa, Sweden, United Kingdom, United States
- Engagement:
 - Year-long, peer-to-peer collaboration on specific activities
 - Financial and in-kind support by partner governments
 - Monthly Working Group phone calls
 - Yearly in-person meeting

PUBLIC SECTOR PROCUREMENT GUIDEBOOK

- Collect WG experience
- Identify common barriers
- Summarize key points
- Identify future opportunities



PUBLIC SECTOR PROCUREMENT GUIDEBOOK

- I. Setting Policy
- II. Setting Environmental Attribute Standards
- III. Designing Training Programs
- IV. Tracking Program Performance
- V. Analyzing Procurement Workflows & Pathways



OTHER SEAD PROCUREMENT ACTIVITIES



Street Type	Lamp Type	Lamp Power	Lamp Voltage	Lamp Life	Lamp Price
Street	LED	100W	240V	50,000	\$100
Street	LED	150W	240V	50,000	\$150
Street	LED	200W	240V	50,000	\$200
Street	LED	300W	240V	50,000	\$300
Street	LED	400W	240V	50,000	\$400
Street	LED	500W	240V	50,000	\$500
Street	LED	600W	240V	50,000	\$600
Street	LED	700W	240V	50,000	\$700
Street	LED	800W	240V	50,000	\$800
Street	LED	900W	240V	50,000	\$900
Street	LED	1000W	240V	50,000	\$1000

- Street Lighting Tool
 - Free, easy-to-use fixture screening tool for street lighting upgrades and retrofits.
Looking for test users!
- Procurement Specification Catalog
 - Public Procurement Specifications of 6 countries to be collated and analyzed for gaps, stringency levels, and LCC analysis
- Monitoring and Evaluation Guide
 - Case studies and best practices on monitoring and performance evaluation of energy efficient procurement to be developed

FOR MORE INFORMATION

- Visit www.superefficient.org
- Email procurement@superefficient.org

- Contact Kavita Ravi, US Department of Energy
Phone: 202-586-3612 Email: kavita.ravi@hq.doe.gov