



Energy Efficiency Modeling and Policy Impacts

Draft Workshop Agenda

Date: Thursday, November 29th

Time: 9h30 to 16h00

Location: SANEDI

Energy efficiency standards and labeling (EESL) programs are highly effective policy instruments to save energy and support growing markets for energy-efficient products. One of the most critical aspects for their success is to determine the minimum energy performance standards (MEPS) that can result in significant energy savings and reduce consumers' electricity expenditures. Technical assessment tools are necessary to demonstrate the value of EESL programs by estimating the benefits to consumers and society as a whole. These tools also help find the right balance between MEPS stringency levels and consumers' benefits.

USAID is working with Lawrence Berkeley National Laboratory (LBNL) to enhance energy efficiency in the developing world. In South Africa, this project's objectives are to: (1) integrate LBNL developed tools and best practices for modeling energy savings from new energy efficiency standards into planning processes; (2) achieve energy savings by helping the DoE implement new standards that are close to international best practices; and (3) build sustainable local capacity for assessing the impact of energy efficiency standards in a comprehensive energy planning process.

In order to present the project's plan, get feedback, and broaden the collaborative opportunities on the development of energy efficiency modeling analysis in South Africa, a scoping workshop will be organized in collaboration with the Department of Energy, SANEDI, UNDP and USAID.



9:30 – 11:30 Introduction

Welcome: *Xolile Mabusela, Department of Energy* (9:30 – 9:40)

USAID Southern Africa Energy Program (SAEP): *Ashley King, USAID* (9:40 – 10:10)

DSM Programs impact assessment, *Tom Skinner, Eskom* (10:10 – 10:40)

History of the South Africa Standard & Labeling Program: *Dr Mercy Shuma-Iwisa, Wits* (10:40 – 11:00)

11:00 – 11:30 Coffee Break

11:30 – 13:30 Energy Efficiency Modeling and Data Collection Challenge

South Africa Standard & Labeling Program: *Maphuti Legodi, DoE* (10:20 – 10:40)

Energy Efficiency Benefits Modeling: *Stéphane de la Rue du Can, LBNL* (11:50 - 12:20)

Expansion of the South Africa's S&L program – *Theo Covary, UNDP* (12:20 - 12:40)

USAID LED EE Experience – *Christelle Beyers, USAID-LED* (12:40 - 13:00)

13:00 – 14:00 Lunch

14:00 – 16:00 Energy Efficiency Modeling

Clean Energy Branch Modeling Analysis: *Luvuyo Njovane, DoE* (14:00 – 14:30)

BUENAS tool for S&L – *Stéphane de la Rue du Can, LBNL* (14:30 – 15:00)

S&L database – *Margaret McKenzie, Urban Earth* (15:00 – 15:30)

Closing Remarks and General Discussion / Q&A (15h30 – 16:00)

End