SESSION 1A

INDUSTRIAL ENERGY EFFICIENCY PROGRAMS: IMPROVING PERFORMANCE THROUGH EFFECTIVE EVALUATION AND PROGRAM DESIGN

Moderator: Scott M. Albert, Principal and Northeast Region Manager, GDS Associates Inc.

PAPERS:

Voluntary Energy Savings in Industry
Iris Sulyma, BC Hydro, Vancouver
Ken Tiedemann, BC Hydro, Vancouver

Improving Industrial Energy Efficiency: how Australia is addressing barriers to change among the country's largest energy users
Albert Dessi, Australian Department of Resources, Energy and Tourism, Canberra, Australia
Louise Vickery, Australian Department of Resources, Energy and Tourism, Canberra, Australia

Leveraging ISO 50001 for Utility and Government Program Evaluation
Chad Gilless, Global Energy Partners, Portland, OR
David Goldstein, Natural Resources Defense Council, San Francisco, CA
Particia Hurtado, Global Energy Partners, Walnut Creek, CA
Kim Brown, Global Energy Partners, Portland, OR
Kelly Parmenter, Global Energy Partners, Walnut Creek, CA

Strategies for Improving the Accuracy of Industrial Program Savings Estimates and Increasing Overall Program Influence
Jennifer Fagan, Itron, Oakland, CA
Kris Bradley, Itron, Oakland, CA
Al Lutz, Itron, Oakland, CA

SESSION SUMMARY:

In this session, you will learn how programs are achieving verifiable savings from industrial energy efficiency programs through leading edge program design and evaluation. We have four excellent speakers, experienced with implementing and evaluating industrial energy efficiency programs. First will be Iris Sulyma (BC Hydro) who will be describing their Canadian Industry Program for Energy Conservation (CIPEC - the oldest voluntary industry and government energy efficiency partnership in the world - targeting associations representing over 8,000 companies and approximately 90% of secondary industrial energy use in Canada). Ms. Sulyma will summarize sector energy consumption by 13 end-uses, net measure savings rates by end-use, impact of the CIPEC program on energy savings, and impact of program on CO2 emissions. Results will be linked to how they might help improve program design, marketing, implementation procedures and education and training activities. Our second panelist will be Albert Dessi (Australia Department of Resources, Energy) who will discuss how Australia is addressing barriers to change among their country's largest energy users. Mr. Dessi will describe an Australian government industrial-targeted program requiring the largest energy using corporations to assess, and publically report on identified energy reduction opportunities. He will provide results of a mid-cycle evaluation that measured the effectiveness of this program to-date, including uptake of cost effective energy efficiency opportunities. Results will highlight the impact this program has been having on organizations and associated barriers. The panel's

third speaker will be Chad Gilless (Global Energy Partners). Mr. Gilless will describe efforts to create an ISO 50001 energy management system standard with focus on making and demonstrating measureable improvements in energy productivity for industrial facilities. He will summarize how such ISO 50001 standards engage industrial management and make energy productivity a priority with measureable improvements for the long term. Results will suggest how the standards can be integrated into evaluation and M&V protocols and assist with future program design. Finally, Jennifer Fagan (Itron, Inc.) will speak on strategies for improving the accuracy of industrial program savings estimates and increasing overall program influence. Ms. Fagan will describe results from CA's industrial energy efficiency programs evaluated net savings (24%-41% of claimed savings). She will identify reasons for claimed savings inaccuracies and will provide recommendations for improvement. Results will provide a set of tools/strategies for improving accuracy of initial savings estimates, increasing overall program influence, reducing free ridership and closing the gap between claimed and evaluated savings.