First SAM Virtual Conference

Online

Nate Blair

June 20th, 2012

Welcome!

- **Welcome to the 1st ever SAM Virtual Conference!!**

- **The goal of today is to allow users to present and share the many ways that they use SAM**

- **Many thanks go to Pam Gray-Hann, Paul Gilman, Jorn Aabakken and others for coordinating the conference.**

Logistics

- If you are seeing this slide and hearing me speak, you have overcome many of the potential A/V issues.

- Q&A after each presentation. Probably only have time for 1 or 2 questions. Please press *1 to ask a question and the operator will work with you.

- You can full-screen and control the image yourself.

- Please mute your phone if you are a presenter when you aren't speaking.

- Note that you can chat online with other participants through the system. The speaker cannot see these items in real time.

- Note finally that NREL is controlling the advancement of slides (to reduce possible tech. issues) so each speaker needs to indicate when to move to the next slide.

- We must stick pretty closely to the agenda as people will likely tune in and out according to their interests.

- There are several breaks and lunch but the system will remain operational during that time.

Feedback

- **We would love it.**

- **We will start up a topic on the SAM User Forum Page (https://sam.nrel.gov/forums/support-forum)**

- **We would like to know what you thought was helpful and how you might apply the talks today to your own work.**

NREL's Role

- **We will be coordinating and recording all of the presentations today. We hope to have the presentation videos posted to the SAM website within a few weeks. Note that if you do not want to have that done, please contact us and we will not post your presentation.**

- **While we have coordinated the meeting and hope that it's useful for everyone, we have a limited role.**

  - NREL reviewed the submitted abstracts to make sure they were likely of interest to SAM users.

  - NREL made sure that the PowerPoint slides worked in the webinar system.

  - NREL does not endorse any of the statements or results shown in the presentations.

Agenda For the Morning

Time	Topic	Speaker
9:00	Welcome and Introductions of NREL's SAM Team	Nate Blair
9:20	**Parametric Study of Solar Thermal Power Plant Configuration Utilizing System Advisor Model (SAM)**	Jérémie Léger, The University of Moncton Jonathan R. Raush and Terrence L. Chambers, Department of Mechanical Engineering University of Louisiana at Lafayette
9:40	SAM Linear Fresnel solar boiler model: Novatec solar boiler sample file	Camille Bachelier. Novatec Solar
10:00	**Impact of Financial Structure on the Cost of Solar Energy**	Michael Mendelsohn, NREL
10:20	Break	
10:40	Solar Input Data for PV Energy Modeling	Marie Schnitzer, Peter Johnson, Christopher Thuman, AWS TruePower
11:00	Using SAM User Language: For Just About Everything - Scripting Functionalities Utilized to Reduce SAM User Time-on-Task and Run-Time Simulations	Nathan Clark, NREL
11:20	Applicability of SAM to model CSP power plants as parts of smelters in the Atacama Desert, Chile	Patricio Castro
11:40	Break for Lunch	

Agenda For the Afternoon

12:20	PVMapper and SAM Integration for Web-Based Solar Project Siting Analysis.	Sam Alessi, Idaho National Laboratory
12:40	PV Performance and Yield Comparisons: NREL SAM and PVSYST	Sol Haroon, Suniva
1:00	PV Performance Assessment of Existing Systems Using SAM	James Mokri, Lecturer Mechanical and Aerospace Engineering San Jose State University
		Joseph Cunningham Director of Operations Centrosolar America, Inc.
1:20	Break	
1:40	Teaching SAM to Engineering Students	Frank Kreith, Charles Tse University of Colorado at Boulder
2:00	Modeling Levelized Cost of Renewable Energy with and without Tax Credits Compared with Retail Electricity Prices	Miriam Makhyoun
2:20	CASE STUDIES COMPARING SYSTEM ADVISOR MODEL (SAM) RESULTS TO REAL PERFORMANCE DATA	Nate Blair
2:40	Q&A	All
3:00	Virtual SAM Webinar ends	