

# U.S. Department of Energy CSP Program Review

Hotel Andaluz · Albuquerque, NM · February 9-11, 2010

## *Tuesday, February 9, 2010*

8:00am-8:30am	Introduction and Welcome
8:30am-9:00am	<b>University of Connecticut:</b> Research and Development for Novel Thermal Energy Storage Systems for CSP
9:00am-9:30am	<b>Infinia:</b> Innovative Application of Maintenance-Free Phase-Change Thermal Energy Storage for Dish Engine Solar Power Generation
9:30am-10:00am	<b>Acciona Solar:</b> Indirect, Dual-Media, Phase Changing Material Modular Thermal Energy Storage System
10:00am-10:30am	Break
10:30am-11:00am	<b>Acciona Solar:</b> Sensible Heat, Direct, Dual-Media Thermal Energy Storage Module
11:00am-11:30am	<b>Terrafore:</b> Heat Transfer and Latent Heat Storage in Inorganic Molten Salts for CSP Plants
11:30am-12:00pm	<b>University of Alabama:</b> Novel Molten Salts Thermal Energy Storage for CSP Generation
12:00pm-12:30pm	<b>Symyx/Halotechnics:</b> Deep Eutectic Salt Formulations Suitable as Advanced Heat Transfer Fluids
12:30pm-1:45pm	Lunch
1:45pm-2:15pm	<b>Texas A&amp;M University:</b> Molten Salt-Carbon Nanotube Thermal Energy Storage for CSP Systems
2:15pm-2:45pm	<b>Lehigh University:</b> Novel Thermal Storage Technologies for CSP Generation
2:45pm-3:15pm	<b>Abengoa Solar:</b> Reducing the Cost of Thermal Energy Storage for Parabolic Trough Solar Power Plants
3:15pm-3:45pm	<b>Abengoa Solar:</b> Advanced Thermal Energy Storage for Central Receivers with Supercritical Coolants
3:45pm-4:15pm	Break
4:15pm-4:45pm	<b>University of Arkansas:</b> Development and Performance Evaluation of High Temperature Concrete for Thermal Energy Storage for Solar Power
4:45pm-5:15pm	<b>US Solar:</b> CSP Energy Storage – Multiple Technologies Compared
5:15pm-5:45pm	<b>City College of New York:</b> A Novel Storage Method for CSP Plants Allowing Operation at High Temperature
5:45pm-6:15pm	<b>General Atomics:</b> Thermochemical Heat Storage for CSP
6:15pm	End of Day

**Wednesday, February 10, 2010**

8:00am-8:30am	<b>3M:</b> Cleanable and Hardcoat Coatings for Increased Durability of Silvered Polymeric Mirrors
8:30am-9:00am	<b>Abengoa Solar:</b> Development of Advanced Polymeric Reflector for CSP Applications
9:00am-9:30am	<b>PPG:</b> High Performance Reflector Panels for CSP Assemblies
9:30am-10:00am	<b>Alcoa:</b> Reflector Technology Development and System Design for CSP Technologies
10:00am-10:30am	Break
10:30am-11:00am	<b>Abengoa Solar:</b> Development of Next-Generation Parabolic Trough Collectors and Components for CSP Applications
11:00am-11:30am	<b>Solar Millennium:</b> Advanced High Temperature Trough Collector Development
11:30am-12:00pm	<b>Abengoa Solar:</b> Development of Molten-Salt Heat Transfer Fluid Technology for Parabolic Trough Solar Power Plants
12:00pm-12:30pm	<b>SkyFuel:</b> Design of a High-Temperature Molten Salt Linear Fresnel Collector
12:30pm-1:45pm	Lunch
1:45pm-2:15pm	<b>Brayton Energy:</b> Brayton Solar Power Conversion System
2:15pm-2:45pm	<b>Infinia:</b> 30 kW Maintenance Free Stirling Engine for High Performance Dish CSP
2:45pm-3:15pm	<b>Pratt &amp; Whitney Rocketdyne:</b> Development of Molten Salt Pump
3:15pm-3:45pm	<b>Pratt &amp; Whitney Rocketdyne:</b> Solar Power Tower Receiver Development
3:45pm-4:15pm	Break
4:15pm-5:15pm	<b>NREL:</b> SAM Presentation
5:15pm	End of Day

**Thursday, February 11, 2010**

8:00am-10:00am	<b>NREL:</b> Lab Presentation
10:00am-10:15am	Break
10:15am-12:15pm	<b>Sandia:</b> Lab Presentation
12:15pm-1:15pm	Lunch
1:15pm-5:00pm	<b>Sandia:</b> Site Visit
5:00pm	End of Day