

Solar Program Annual Review

Tuesday, April 22, 2008

Plenary Session		Topic	8:15am - 9:35am	80
DOE/HQ		Solar Program Overview	Tom Kimbis	15
DOE/HQ		Photovoltaic Overview	Marie Mapes	20
DOE/HQ		Grid Integration	Dan Ton	10
DOE/HQ		CSP Overview	Tex Wilkins	20
DOE/HQ		Market Transformation Overview	Charlie Hemmeline	10
City of Austin		Welcome Address	Mayor Will Wynn	

10 MINUTE BREAK

OPV, Sensitized, Seed			
Funds	Topic	9:45am - 11:35am	110
NREL	Sens. Cell--prg and RM align	Art Frank	15
NREL	OPV--prg and RM align	Dana Olson	10
Konarka	OPV--prg and RM align	Kevin McGuire	10
Plextronics	OPV--prg and RM align	Ritesh Tipnis	10
NREL/Sandia	Seed Funds	Sarah Kurtz/Greg Nielson	15
NREL	Seed Funds--prg as High Eff Concepts	Ellingson/Blackburn	15
Unvi of Ark - LR	Nanotechnology	Seo Hye-Won	10
	Facilitated discussion of barriers and research priorities		20

CPV			
	Topic	9:45am - 11:35am	110
Soliant	Progress and roadmap alignment	Brad Hines	10
NREL	Progress and roadmap alignment	Daniel Friedman	10
EnFocus	Progress and roadmap alignment	Frank McKiney	10
Amonix	Progress and roadmap alignment	Bob McConnell	10
Boeing	Progress and roadmap alignment	Russ Jones	10
MicroLink	Progress and roadmap alignment	Noren Pan	10
Sol Focus, Inc.	Progress and roadmap alignment	Steve Horne	10
Univ Del	High Performance PV	Chris Honsberg	10
	Facilitated discussion of barriers and research priorities		25

Working Lunch		11:45am - 1:05pm
Investor Perspectives on Solar Industry		Panel Discussion
		60

Wafer Silicon			
	Topic	1:05pm - 2:20pm	75
Georgia Tech	Progress and roadmap alignment	Ajeet Rohatgi	10
BP Solar	Progress and roadmap alignment	John Wohlgemuth	10
CaliSolar	Progress and roadmap alignment	Kevin McGuire	10
Solaria Corporation	Progress and roadmap alignment	Kevin Gibson	10
SunPower	Progress and roadmap alignment	Terry Jester	10
NREL	Progress and roadmap alignment	Qi Wang	10
	Facilitated discussion of barriers and research priorities		15

CSP Dish Systems			
	Topic	1:05pm - 2:20pm	80
Sandia	Dish Overview	Charles Andraka	15
SES	1 MW Project Update	Dan Martin	15
Infinia	30kW FP Stirling	Maury White	15
Infinia	Infinia FOA Program	Maury White	15
	Facilitated discussion of barriers and research priorities		20

CdTe			
	Topic	2:20pm - 3:05pm	45
PrimeStar	Progress and roadmap alignment	Fred Seymour	10
AVA Solar	Progress and roadmap alignment	Kurt Barth	10
NREL	Progress and roadmap alignment	Tim Gessert	10
	Facilitated discussion of barriers and research priorities		15

CSP Advanced System Topic			
	Topic	2:35pm - 5:15pm	155
NREL	Advanced Overview	Mark Mehos	15
NREL	Optical Materials	Cheryl Kennedy	15
PPG	FOA: High Value Mirrors	Mike Buchanan	15
3M	FOA: Hardcoats	Bob Messner	15

10 MINUTE BREAK

CIGS			
	Topic	3:15pm - 4:20pm	65
Dow	Progress and roadmap alignment	Bob Cleereman	10
Nanosolar	Progress and roadmap alignment	Brian Sager	10

10 MINUTE BREAK

CSP Advanced System Topic			
	Topic	3:15pm - 4:20pm	65
SkyFuel	FOA: CLFR	Andrew McMahan	15
Ausra	CLFR Project Update	John O'Donnell	15
Sandia	Advanced Heliostats	Greg Kolb	15

SoloPower	Progress and roadmap alignment	Bulent Basol	10
GE	Progress and roadmap alignment	Danielle Merfeld	10
NREL	Progress and roadmap alignment	Miguel Contreras	10
Facilitated discussion of barriers and research priorities			15

Film Silicon	Topic	4:20pm - 5:15pm	55
Blue Square	Progress and roadmap alignment	Jerry Culik	10
Univ Del/IEC	Progress and roadmap alignment	Bob Birkmire	10
United Solar	Progress and roadmap alignment	Subhendu Guha	10
NREL	Progress and roadmap alignment	Howard Branz	10
Facilitated discussion of barriers and research priorities			15

Sandia	Thermochem Hydrogen Project	Nate Siegel	15
Facilitated discussion of barriers and research priorities			25

Wednesday, April 23, 2008

PDIL/Measurements and Characterization Capabilities	Topic	8:20am - 10:20am	120
NREL	PDIL Overview	Brent Nelson	10
NREL	Si Platform	Qi Wang	10
NREL	Wafer Replacement Platform	Howard Branz	10
NREL	CIGS Platform	Miguel Contreras	10
NREL	Cd Te Platform	Tim Gessert	10
NREL	Atm Processing Platform	Maikel van Hest	10
NREL	M&C PPlatforms	Pete Sheldon	20
NREL	Data Integration & Wrap Up	Robert White	10
NREL	M&C Overview	Pete Sheldon	10
Facilitated discussion of barriers and research priorities			20

10 MINUTE BREAK

Reliability, Test & Evaluation	Topic	10:30am - 12:15pm	105
NREL/Sandia	Reliability Program (Joint Presentation)	Quintana	50
Sandia	Testing Evaluations (Joint Presentation)	Bill Marion & Charlie Hanley	20
Sandia	System Engineering	Charlie Hanley	10
Sandia	Stage Gate	Joe Tillerson	10
Facilitated discussion of barriers and research priorities			15

CSP Trough Systems	Topic	8:30am - 10:10am	100
Acciona	Nevada Solar One Update	Gilbert Cohen	15
NREL	Trough Overview	Chuck Kutscher	15
Alcoa	FOA: Advanced Collector	Retarides/Schaut	15
Abengoa Solar	FOA (3): Three Projects	Hank Price	25
FPL	Kramer Junction/Future Plans	Harvey Stephens	15
Facilitated discussion of barriers and research priorities			15

10 MINUTE BREAK

Thermal Storage	Topic	10:20am - 12:15pm	115
NREL	Storage Overview	Geg Glatzmaeir	15
Sandia	Molten Salt Field Testing	Bradshaw/Siegel	25
NREL	Advanced Fluid Development	Blake/Glatzmaeir	25
Hamilton Sundstrand	FOA: MS Pump/Panel Test	Michael McDowell	15
Solar Millenium	FOA: Adv Molten Salt	Dracker/Aringhoff	15
Facilitated discussion of barriers and research priorities			20

Working Lunch

Envisioning the Solar Program Beyond the SAI

12:15pm - 1:45pm

Robert Margolis

60

Modeling & Analysis	Topic	1:50pm - 3:35pm	90
Brookhaven	ES&H	Vasilis Fthenakis	15
NREL	Market Policy Analysis	Robert Margolis	15
NREL	Solar Advisor Model	Nate Blair	15
Sandia	Model Analysis	Chris Cameron	15
NREL	Resource Assessment	David Renne	15

NREL		Solar Metrology	Daryl Myers	15
Facilitated discussion of barriers and research priorities				15
10 MIN BREAK		10 MIN BREAK		
Grid Integration & Topic	3:45pm - 5:00pm	75	CSP Industry Stakeholder Discussion	3:45pm - 5:00pm
Sandia	Grid Integration - Demonstration	Juan Torres	SEIA	Industry overview
NREL	Grid Integration - Analysis	Ben Kropowski	SES	Dish/engine technology
Sandia	SEGIS Solicitation	Ward Bower	Solar Reserve	Tower technology
Greenray	SAI Contract - AC Inverter	Miles Russell	Acciona	Line focus technology
Facilitated discussion of barriers and research priorities		15	Facilitated discussion of barriers and research priorities	
				10

Thursday, April 24, 2008

Solar Market Transformation		Topic	8:35am - 11:00am	115
Solar Electric Power Association	Utility integration of solar		Mike Taylor	15
Arizona Public Service	Utility RFP Updates		Phil Smithers	10
Pacific Gas & Electric	Utility RFP Updates		Hal LaFlash	10
IREC	State outreach		Jane Weismann	15
National Association of Regulatory Utility Commissioners	State outreach		Julia Friedman	15
BREAK				
Western Governors Association		WGA Update	Richard Halvey	10
SWRES		Cross-cutting Market Trans.	Andy Rosenthal	15
SERES		Cross-cutting Market Trans.	Bob Reedy	15

10 MIN BREAK		10 MIN BREAK				
PV MT Activities	Topic	11:00am - 11:55am	55	CSP MT and Wrap-up with Industry Panel Feedback	11:00am - 11:55am	55
New Mexico State	SolarABCs - Codes and Standards	Larry Sherwood	20	Sandia	MT Overview	Tom Mancini
Sandia	Solar America Cities / Showcases / GSIP	Vipin Gupta	10	Argonne	Prog EIS	Heidi Hartmann
NREL	Solar America Cities / Showcases / GSIP	Cecile Warner	10	Brightsource	Distributed Power Towers	Bob Stuart
Crowder College	MARET Center	Art Boyt	10	DOE	Recap on industry discussion	Tex Wilikins
Facilitated discussion of barriers and research priorities		5	Facilitated discussion of barriers and research priorities			
						10

Closing Session		Topic	12:00pm - 12:30pm	30
DOE/HQ		DOE/Industry/Lab Future Plans	Dan Ton	10
Future Direction for Solar Industry - Facilitated Discussion				20