

U.S. Solar Heating & Cooling Alliance

- a Division of  **SEIA** Solar Energy Industries Association®

SEIA SHC Alliance Conference Call – Minutes from November 10, 2014

Attending – 27 participants:

	Moderator	Company
1	Chip Bircher	SEIA
2	Les Nelson	IAPMO R&T
	Name	Company
3	Adam Chrisman	SunEarth, Inc
4	Cindy Xing	PiEP Solar
5	Dan Gretsch	SOLARHOT
6	Daniel White	DOC Government (District of Columbia)
7	Eileen Prado	Solar Rating & Certification Corp.
8	Greg Gahagan	UMA Solar
9	Henry Vandermark	Solar Wave Energy, Inc.
10	Jim Huggins	Solar Rating & Certification Corp.
11	John Antonelli	UMA Solar
12	Katherine Stainken	SEIA
13	Linda Lu	PiEP Solar
14	Loren Zucconi	UMA Solar
15	Mark Thornbloom	Solar Rating & Certification Corp.
16	Michael DiPaolo	Ritter Group USA
17	Michael Healy	Skyline Innovations
18	Michael Intrieri	Sundrum Solar
19	Mike Kozwoski	UMA Solar
20	Nick Toman	Viessman Manufacturing Company Inc. (US)
21	Ole Pilgaard	Heliodyne, Inc
22	Piper Foster	Amatif Controls
23	Ramsey Brown	Hawaii Energy Efficiency/Leidos Engineering, LLC
24	Robert Danielson	SunEarth, Inc
25	Robert Waters	Viessman Manufacturing Company Inc. (US)
26	Robin Dutta	Skyline Innovations
27	Victoria Hollick	Conserval Systems, Inc

Action Items:

- **Replay of Nov. 10 phone call available:** [Click here to download the audio .mp3 file](#)
- **Mon. Dec. 8:** Next SHC Alliance conference call, 3 p.m. Eastern.

Minutes:

1) SEIA antitrust reminder was read.

2) New Participants

- None

3) Global Solar Certification Network

[Les Nelson](#), [IAPMO](#) provided an overview of the new [Global Solar Certification Network](#) (GSCN), a recent initiative under IEA SHC Task 43, the overall goal of which is to harmonize solar thermal certifications worldwide. GSCN's purpose is to lower market entry barriers by establishing a global program that will reduce redundant certification requirements. There are currently over ten certifications covering various regions worldwide. Under GSCN, participants can execute Memoranda of Understanding with their counterparts agreeing to recognize each other's mutually accepted Testing Laboratory (TL) and Inspection Body (IB) reports. Manufacturers may then become certified to regional "marks" (e.g., a combination of Keymark and IAPMO) by accepting existing TL and IB reports without duplicative tests or inspections. (In some cases, some additional testing may be required to comply with certification rules.) GSCN includes accreditation requirements for Certification Bodies, Testing Laboratories and Inspection Bodies. See the [IEA SHC Task 43 website](#) for more information; [Jan Erik Nielsen](#) is the GSCN Manager.

4) Update: DOE Issues Request for Information for Residential Solar Water Heaters Test Procedures and Energy Conservation Standards

During the October 15 meeting, [Tim Merrigan](#) from NREL called attention to a new "Request for Information" (RFI) from DOE about solar water heaters. Set to go into effect on April 16, 2015, this new standard requires a minimum Energy Factor of ~2.0 and ~0.80, respectively, for electric and gas-fired storage water heaters >55 gallons. These higher efficiency standards will, in essence, require all electric water heaters to be heat-pump water heaters and all gas water heaters to be condensing. The concern for solar water heating is that this standard may unintentionally prohibit the manufacture of large solar storage tanks that include a single electric-resistance heating element, a common design for direct, single-tank solar water heating (SWH) systems in some climates. DOE's RFI was published in [Federal Register, Vol. 29, No. 203, Tuesday, Oct. 21, 2014](#), and comments are due by **November 20**. [Les Nelson](#), [IAPMO](#), is drafting a response on behalf of the industry, and [Ole Pilgaard](#), [Heliodyne](#), is coordinating the effort. A conference call was held on Thursday, November 13. Ole encouraged all industry members to join the group submitting the industry's comments to DOE.

Additional material available here:

- [Docket Number EERE-2014-BT-STD-0045](#)
- [Federal Register, 10 CFR Part 430, April 16, 2010](#)

5) SHC Alliance Update

[Katherine Stinken](#), [SEIA SHC Alliance](#) and [Mike Healy](#), [Nextility](#), updated the group on the Alliance's recent activities.

- SEIA is finalizing its comments to [EPA's proposed Clean Power Plan](#) due on December 1. SEIA's comments will cover all solar technologies, including solar heating and cooling, and call attention to SHC's ability to impact supply-side sources that are covered by the plan. Next, SEIA will begin analyzing which states should be targeted for further action to encourage adoption of solar technologies in their compliance plans. Katherine S. will circulate the comments for feedback when they are complete.
- In Massachusetts, [SB 2214](#), which adds solar and other thermal technologies to the state's AEPS, was passed by the legislature on Aug. 4. Massachusetts Dept. of Energy Resources will hold a meeting on **Monday, Nov. 17, 10 a.m. - Noon**; 100 Cambridge St., Boston, MA 02114. Location: Room D, 2nd floor. The topic is inclusion of solar thermal in the MA APS. Please RSVP to bram.claeys@state.ma.us.
- In New York, SEIA has been involved in ongoing discussions with NYSERDA about making the incentive program fuel neutral and to increase the incentive caps. NYSERDA has scheduled a meeting for **Friday, Nov. 21, 3-5 p.m.** to discuss changes to the Solar Thermal Program based on the extra \$3 million in RGGI funding. Please RSVP to luke.forster@nyserda.ny.gov, (518) 862-1090 x-3495. Participation is available either on site or remotely. Victoria Hollick, Conserval, emphasized the importance of including all solar heating technologies, not just solar water heating, in all documents.

- The SEIA Board meeting will be held on Nov. 13. Budgets will be finalized, and then the SHC Alliance can make specific plans for 2015. Mike H. stated that the SHC Alliance is working on a structure that will enable the Alliance to receive funding sooner in the year.
- Mike H. mentioned that some additional fund-raising for the SHC Advocacy Fund will likely be necessary in order to fund consultants and lobbyists in various states.

6) SPI Solar Heating & Cooling Sessions

[Chip Bircher](#), [SEIA SHC Alliance](#) provided an overview of the [Solar Heating & Cooling Symposium](#) held at SPI.

- Monday, Oct. 20
7:30 – 11:30: NABCEP training
Noon – 12:30: Introduction by Rhone Resch and a keynote address by Jigar Shah, founder of SunEdison.
12:30 – 2:15: New Frontiers: SHC Business Innovations Transforming the Industry
2:30 – 4:30: SHC Alliance Annual Meeting, all are welcome
- Tuesday, Oct. 21
9:00 – 10:00: The Next Growth Markets for Solar Heating and Cooling
10:30 – 11:30: SHC 2.0: Innovations Driving the Industry Into the Future
11:30 – 1:00: Networking Lunch
1:00 – 2:00: Solar Heating and Cooling's Triple Bottom Line: Policy, Financing, and Utilities

7) Articles and Publications

- 1) [The State Energy Efficiency Scorecard](#), Oct. 21, American Council for an Energy-efficient Economy
- 2) [U.S. Solar Market Insight Report: 2014 Q2](#), Sept. 4, GTM Research and SEIA
- 3) [Solar Update: IEA Solar Heating & Cooling Program Newsletter](#), October 2014, International Energy Agency
- 4) [IEA Report Predicts Solar Power Domination by 2050](#), Oct. 8, RenewableEnergyWorld.com
- 5) [Technology Roadmap: Solar Thermal Electricity, 2014](#), Sept. International Energy Agency
- 6) [Technology Roadmap: Solar Photovoltaic Energy, 2014](#), Sept., International Energy Agency
- 7) [Abengoa to take full ownership of Palen solar project](#), Walton, R., Nov. 4, Utility Dive
- 8) [Utility-administered solar rebates work. California proves it](#), Trabish, H., Nov. 6, Utility Dive
- 9) [Arizona regulatory staff rejects APS bid to own rooftop solar](#), Bade, G., Nov. 6, Utility Dive
- 10) [Update to Massachusetts Commonwealth Solar Hot Water Program](#), Sept. 1, Massachusetts Clean Energy Center
- 11) [Worldwide: Largest Flat Plate Collector Manufacturers in 2013](#), Epp, B., Nov. 5, SolarThermalWorld.com
- 12) [Solar ST Program Manual](#), Oct. 2014, NYSERDA
- 13) [US Midyear Elections Offer Opportunities and Challenges for Renewable Energy](#), Nov. 6, Sklar, S., RenewableEnergyWorld.com
- 14) [Come On & Feel the Illi-noise: Why 2015 Will Be a Big Year for Illinois Solar](#), Nov. 4, Murchie, C., RenewableEnergyWorld.com
- 15) [How to Make a "Perfect" Solar Absorber](#), Oct. 1, Chandler, D., RenewableEnergyWorld.com
- 16) [Companies Offering Solar As Employee Benefit](#), Nov. 2014, SolarIndustryMagazine.com, New and Noteworthy Department
- 17) [Low-income Housing A Rich Market for Commercial-Scale Solar](#), Nov. 2014, Healy, M., SolarIndustryMagazine.com

8) Solar Heating & Cooling Program Updates from [DE](#), [MD](#), [TX](#)

- See links above for information on SHC program changes in these locations.

9) Upcoming Conferences & Webinars (updated for November 2014)

- 1) SEIA Webinars:

- [California 2030 Low Carbon Grid Study: Phase I Results](#), Oct. 14, 1 p.m. EDT (free; open to everyone)
 - [Women in Solar Energy](#), Oct. 7, archived, (free; open to everyone)
 - [Brighter Future: A Study on Solar in U.S. Schools](#), archived, (free; open to everyone)
- 2) [Total Energy USA](#), November 11-13, Houston
 - 3) [Renewable Energy World Conference & Expo: Power Generation Week](#), Dec. 9-11, Orlando, [See agenda](#) and [Register online](#)
 - 4) [U.S. Solar Market Insight Conference](#), Dec. 8-10, San Diego, [See agenda](#) and [Register online](#)
 - 5) [ACEEE Hot Water Forum](#), Feb. 22-24, 2015, Nashville, [See website](#)
 - 6) [2015 Solar Power Colorado](#), Feb. 23-25, 2015, Broomfield, CO; [See agenda](#)
 - 7) New York Solar Summit 2015, Jun. 10, 2015,
 - 8) [Intersolar North America 2015](#), Jul. 14-16, 2015, San Francisco; [Preliminary inquiry](#)
 - 9) [Solar Power International 2015](#), Sept. 14-17, Anaheim; [Call for Education Presentations](#) due Dec. 3

10) Other Program/Industry Updates

- None

11) Date for Next SEIA SHC Alliance Meeting

- Monday, December 8, 3 p.m. Eastern

Chip Bircher



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