

PSMA Energy Management Committee Meeting Minutes

@ Tue August 20, 2024 11AM (Central) via GoToMeeting

Joint meeting with Energy Storage Committee

Attendees:

John Horzepa, Victor Boyadzhyan, Ed Herbert, Babu Chalamala, Ada Cheng, Jeff Perkins, Mike Hayes, Patrick Le Fevre, and David Chen

Agenda:

- APEC 2025 Joint Industry Session (Energy Management, Storage, and Harvesting)
 - a. Topic: “Energy Management, Storage, and Electrification from MicroWatts to MegaWatts” (2x4-speaker slot on Thursday)

Speaker recruitment activities:

- i. **Babu** to confirm with Ben Kroposki on grid-forming topic and Dan Ton on grid interfaces for transportation electrification
- ii. **Dinesh** to follow up with AHAM and appliance makers to find speaker on induction cooktops and/or speaker on electronic shelf displays
- iii. **Mike** confirmed RISE Energy (EU project) speaker to present high-level overview of emerging technologies in renewables
- iv. **Ada** waiting to hear from ABB and GE Aviation on possible speakers
- v. **Jeff** to speak to Jason Autry at Southern Company on 8/23
- vi. **Nick** to follow up with Tim Moore or Zaki Ahmed at Pulsiv to speak on solar microinverter technology and energy storage
- vii. **Lincoln** to follow up with Rui Sun at Goldwind on grid-forming wind power solutions with energy storage integration
- viii. **David** confirmed Baskar Vairamohan (Program Manager, Electrification Program, EPRI) as speaker for electrification technologies and challenges
- ix. **David** to follow up with Aniruddh Roy (Engineering Fellow, Energy Solutions) as possible speaker on micro-heatpumps

	Topics	Speaker	Affiliation
1	Solar Micro Inverters and Energy Storage	Tim Moore / Zaki Ahmed	Pulsiv
2	Grid-Forming Solutions with Energy Storage Integration	Ben Kroposki or Rui Sun	UNIFI Consortium Goldwind
3	Challenges of Inverterized Grid with PFC	Jason Autry	Southern Company
4	Energy Harvesting Systems and the Micro-grid	Mike Hayes	EnerHarv
Break	Energy Harvesting demos on display	Various	TNI

5	Overview of Emerging Technologies in Renewables	Mike Hayes	RISE Energy (EU project)
6	Electrification Technologies and Challenges	Baskar Vairamohan	EPRI
7	Grid Interfaces for Transportation Electrification – I	Dan Ton	DOE/NREL
8	Grid Interfaces for Transportation Electrification – II	Babu Chalamala	Sandia National Labs
Alternates			
	Micro Heat Pumps	Aniruddh Roy	Energy Solutions
	Electric Aircraft, Trains, and Marine Vehicles	TBD	TBD
	Induction vs. Gas Cooktops	TBD	TBD
	Electronic Shelf Displays	TBD	TBD

b. Reviewed proposal for submission by 8/23 deadline

- Energy Efficiency Award and 40th Anniversary (APEC 2025 and PSMA)

a. Timeline for EE Award

April 22, 2024 – announcement went out on Earth Day

September 3, 2024 – deadline to receive nominations (9/10 w/1-wk extension)

October 2, 2024 – announcement of final nominees on Energy Efficiency Day

March 16-20, 2025 – announcement of winner at APEC 2025 in Atlanta

b. Status of submissions – ~20 received so far

c. Actions

- APEC dates updated on website and materials
- PSMA membership e-blast reminder went out on 7/3
- Sending out another PSMA e-blast and make a final social media push, thanking those who already submitted and reminding others that deadline is coming up
- Seeking judges for selection panel (let David know if you'd like to volunteer to be a judge!) and refining judging criteria
- Budgeted an extra \$50 for winner to accept & attend award ceremony (general attendee registration needed to attend conference)
- Deciding on trophy/plaque for award so that it will be ready in time for energy efficiency day promotion (**Ada** to investigate)
- Will leverage PSMA room and schedule for ceremony and recipient presentation
- Enlist a publication for an article on the winner around APEC timeframe or afterwards (**David** to reach out to Greg)

- Other Business

- a. Marketing Special Project RFI (from Chris & Greg) - *Which ~10-25 individuals or companies would you like to attract to PSMA, so as to expand PSMA's positive impact on your domain?* Please send input to David to consolidate
- b. IEEE PELS Fellows Program Nominations (Babu)

Next:

- EE Award Submission Review Meeting – Friday, September 20, 1PM (Central) via Zoom
- Joint Committee Meeting – Tuesday, September 24, 11AM (Central) via GoToMeeting
- PSMA Planning Meeting in person at Omni Atlanta on Saturday, September 28