

PSMA Energy Management Committee Meeting Minutes

@ Wed September 29, 2021 11am-noon (Central) via Zoom

Attendees:

Ed Herbert, Long Pham, Juan Carlos Balda, Dinesh Kithany, Ada Cheng, Mike Hayes, Arnold Alderman, Adel Nasiri, Joe Horzepa, John Horzepa, Patrick Le Fèvre, and David Chen

Agenda:

1. Welcome! Long Pham, Founder & Executive Director, BluePontum (SR&I communications consultancy)
2. APEC (Houston, March 2022) Industry Session – proposal submitted on 9/16

Topic: “What Do You Do When You Have Too Much Energy?” (aiming for seven speaker slots)

Subtopics:

- a. Regenerative braking –
 - i. **Ada** – Ford contact (not a good fit), will check with Toyota
 - ii. **Adel** – Ford contact (too busy)
 - b. Excess heat from data centers –
 - i. **Pádraig/Mike** to confirm w/ Codema speaker in next two weeks (Tallaght District Heating Scheme)
 - c. Active-clamp flyback topology to recycle leakage inductance energy –
 - i. **Speaker (Sudhakar Singamaneni) confirmed from Power Integrations**
 - d. Grid integration of DERs (e.g. excess solar), load balancing, and building technologies –
 - i. **Juan** – no response from Haresh Kamath at EPRI, no response from Southern Company (Georgia Power), still chasing Stan Atcitty at Sandia National Lab
 - ii. **David** – no response from Ram Narayanamurthy at EPRI (referred via contact at SDG&E)
 - iii. **Adel** – Eaton contact (okay to speak on storage), waiting to hear from We Energies
 - iv. **Long** – will seek contacts who can speak to policy & regulatory point of view, best practices, and/or AI in energy
 - v. **Dinesh** – will approach speakers on vehicle-to-grid (V2G) solutions
 - vi. **Adel Nasiri (Imagen Energy) confirmed as speaker himself – on grid integration with vehicle charging, solar PV, and stationary storage**
 - vii. **Speaker (Alan Meier / Daniel Gerber) confirmed from Lawrence Berkeley Lab – on matching supply and demand in buildings**
 - e. Mechanical energy recovery (e.g. lifting concrete blocks in a tower)
 - i. **Arnold** to chase down any leads in this area
3. Contribution to Power Technology Roadmap
 - a. **Arnold** (with support from David and Dinesh) to drive report on regulatory roadmap for energy efficiency – how sweeping EE targets for 2030 (and beyond) translate into demands for appliances and buildings; mine EEDB and organize info in more accessible way for designers
 - b. Smart Mobility webinar (Fred Weber) – possible opportunity for connection or intersection (e.g. charging infrastructure)
 4. Other
 - a. PSMA Planning Meeting committee report due October 12

Next meeting: @ **Thu October 14, 2021 9:30-10:30am (Central)** via Zoom