

PSMA Energy Management Committee Meeting Minutes

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

Attendees:

Ed Herbert, Giorgia Longobardi, Ada Cheng, Mike Hayes, Arnold Alderman, Adel Nasiri, Joe Horzepa, Patrick Le Fèvre, and David Chen

Agenda:

1. Welcome to Giorgia Longobardi (CEO, Cambridge GaN Devices)!
2. APEC (Houston, March 2022) Industry Session – final decision from APEC on 10/25 regarding our proposal

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

- a. Regenerative braking –
 - i. **Speaker (Dachuan Yu, PhD – Engineering Manager, Power Conversion) confirmed from Caterpillar (per Adel)**
 - 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, Sr. Applications Engineering Manager) confirmed from Power Integrations (per David)**
 - d. Grid integration of DERs (e.g. excess solar), load balancing, and building technologies –
 - i. **Juan** – chasing Stan Atcitty at Sandia National Lab – no update
 - ii. **Adel** – Eaton contact okay to speak on storage management
 - iii. **Long** – will seek contacts who can speak to policy & regulatory point of view, best practices, and/or AI in energy
 - iv. **Alex Gruzen (CEO, Witricity) nominally interested to present on vehicle-to-grid (V2G) solutions (per Dinesh)**
 - v. **Adel Nasiri (Imagen Energy) confirmed as speaker himself – on grid integration with vehicle charging, solar PV, and stationary storage**
 - vi. **Speaker (Alan Meier / Daniel Gerber) confirmed from Lawrence Berkeley Lab – on matching supply and demand in buildings (per David)**
 - e. Mechanical energy recovery (e.g. lifting concrete blocks in a tower)
 - i. **Arnold** to chase down any leads in this area – no update
3. Appliance Energy Efficiency Regulations Roadmap project
 - How sweeping EE targets for 2030 (and beyond) translate into demands for appliances
 - Consider mining EEDB and organizing info in more accessible way for stakeholders
 - a. Steering committee for this project: Arnold, Dinesh, Giorgia, and David
 - b. Draft of Arnold’s outline presented and discussed
 - c. Format will be a slide deck presentation containing a high-level guide plus deeper dives on a couple of topic areas (multiple presenters possible)
 - d. Timeline is still TBD; however, it was noted that the Power Technology Roadmap report will be published in March; staged releases for this project may also make sense

4. Other

- a. PSMA Planning Meeting on October 19

Next meeting: @ **Tue November 2, 2021 10:00-11:00am (Central)** via GoToMeeting