

PSMA Energy Management Committee Meeting Minutes

@ Wed September 8, 2021 11am-noon (Central) via GoToMeeting conference

Attendees:

Ed Herbert, Juan Carlos Balda, Dinesh Kithany, Ada Cheng, Mike Hayes, Arnold Alderman, Steve Roberts, Joe Horzepa, John Horzepa, Patrick Le Fèvre, and David Chen

Agenda:

1. APEC (Houston, March 2022) Industry Session – **draft proposal due 9/17**
  - a. Topic: Energy Recovery (i.e. what to do when one has too much energy)
  - b. Aiming for seven speaker slots
    - i. Regenerative braking –
      1. **Ada** – no response from Ford contact
      2. **Adel** to check with Caterpillar contact (mining equipment)
    - ii. Excess heat from data centers –
      1. **Pádraig/Mike** checking w/ Codema speaker (Tallaght District Heating Scheme)
    - iii. Active-clamp flyback topology to recycle leakage inductance energy –
      1. **Speaker (Sudhakar Singamaneni) confirmed from Power Integrations**
    - iv. Grid load balancing (e.g. excess solar) –
      1. **Steve** – no response from Michael Lebrecht or Patrick Krohner at Daimler
      2. **Juan** – no response from Haresh Kamath at EPRI or Stan Atcitty at Sandia National Lab; working other leads at Southern Company (Georgia Power), Florida National University (Florida Power), etc.
      3. **Adel and Yongheng** – leads from PELS TC5 speakers?
    - v. Grid integration of distributed energy resources, building technologies, and government regulations –
      1. **Adel** – possible speaker himself as CEO of Imagen Energy
      2. **Speaker (Alan Meier / Daniel Gerber) confirmed from Lawrence Berkeley Lab**
    - vi. Mechanical energy recovery (e.g. lifting concrete blocks in a tower)
      1. **Arnold** to chase down any leads in this area
  - c. **Ed** assembling speaker pack (inc. instructions and presentation template from Fred Weber)
  - d. Planning meeting in Houston will be held virtually in mid-October
2. Topics for PTR webinar
  - a. **Arnold** proposed for us to put together a report on governmental regulations on energy efficiency, likely with a focus on appliances – Arnold has agreed to drive this effort with support from **Dinesh Kithany** (Welcome!) and David Chen – for the next meeting, Arnold will provide an outline of the proposal
  - b. Smart Mobility webinar (Fred Weber) – possible opportunity for connection or intersection (e.g. charging infrastructure)

Next meeting: @ **Wed September 29, 2021 11am-noon (Central)** via GoToMeeting conference