

Maximizing Distributed Energy Resource Value for All Stakeholders

Location: NREL, 15013 Denver West Parkway, Golden, CO 80401

ROOM

8am May 29, 2019 – 12pm May 30, 2019

May 29

Morning Distributed energy resource value: Defining the problem

Afternoon Distributed energy resource value: Challenges, gaps, uncertainties

Happy Hour

May 30

Morning Distributed energy resource value: Vision and next steps

Afternoon **Optional** Energy Systems Integration Facility (ESIF) Tour

Anticipated attendees span the broad space of:

- ISOs/RTOs
- Utilities
- DER technology vendors
- DER aggregators
- Building owners & occupants
- State energy offices
- Public utility commissions
- Energy system researcher

The workshop will consist of a series of breakout sessions and talks on the following broad topics:

- **Real-word examples of value stacking** – Coordination of multiple services from a single DER, especially across multiple domains (e.g., end-use service, retail sales modifier, wholesale market participant, distribution system services)
- **Value-stacking vision** – Where could or should DER value-stacking go in the future? What key services are DERs unable to provide now and why? How can service conflicts be detected and resolved? How can performance be monitored and rewarded?
- **Prioritizing value streams vision** – If a DER can provide multiple services to multiple entities, who or what determines what services are provided, both in a long-term, programmatic sense, and short-term, that is, operationally? Can the rules and controls that connect DERs to multiple systems, and the rules and controls that connect multiple systems to each other, be designed to produce better outcomes? What is a better outcome and how can we tell?