16 November 2021

Time-of-Use Network Tariffs

ACER Workshop

Andreas Jahn
Senior Associate
The Regulatory Assistance Project (RAP)®

Anna-Louisa-Karsch-Straße 2
D-10178 Berlin
Germany

+49 30 700 1435 421
ajahn@raponline.org
raponline.org
EV charging times exacerbate most congested hours on network

Time-of-use incentives only through bidding zone prices

Captions
- EPEX markets
- Serviced PX
- Coming soon

Source: EPEX spot
How to address cost-efficient networks?

- Most of the time, distribution networks are not fully utilised.
- Customers can consider congestion/peak time on networks only if this is visible via price signals.
- Time-of-use pricing enables demand to use the existing networks more efficiently.
ToU tariffs are an effective measure to reduce peak demand
ToU network fees for precise dynamic tariffs

- Bigger suppliers must offer dynamic tariffs for all customers - based on wholesale prices.
- Additional ToU network fees incentivises business cases and creates consumer awareness.
- Lower system costs (networks and RES).
About RAP

The Regulatory Assistance Project (RAP)® is an independent, non-partisan, non-governmental organization dedicated to accelerating the transition to a clean, reliable, and efficient energy future.

Learn more about our work at raponline.org
ToU – Pricing for EV in California

Pacific Gas & Electric's time-of-use proposal for shared and commercial EV charging


Source: PG&E