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CPUC Advanced Rate Design Forum

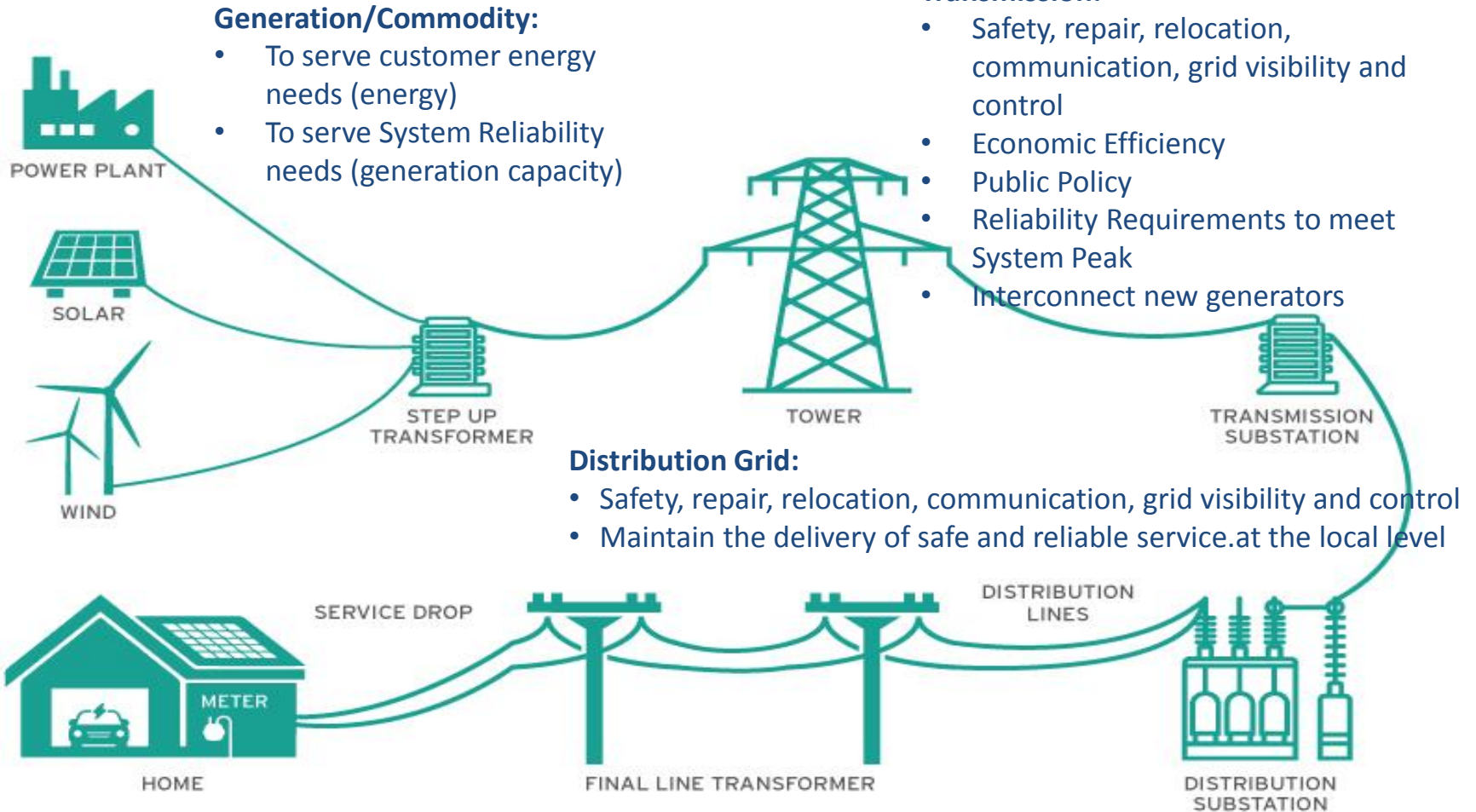
Design and Implementation of Real Time Pricing and Other Advanced Dynamic Rates

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The Utility System

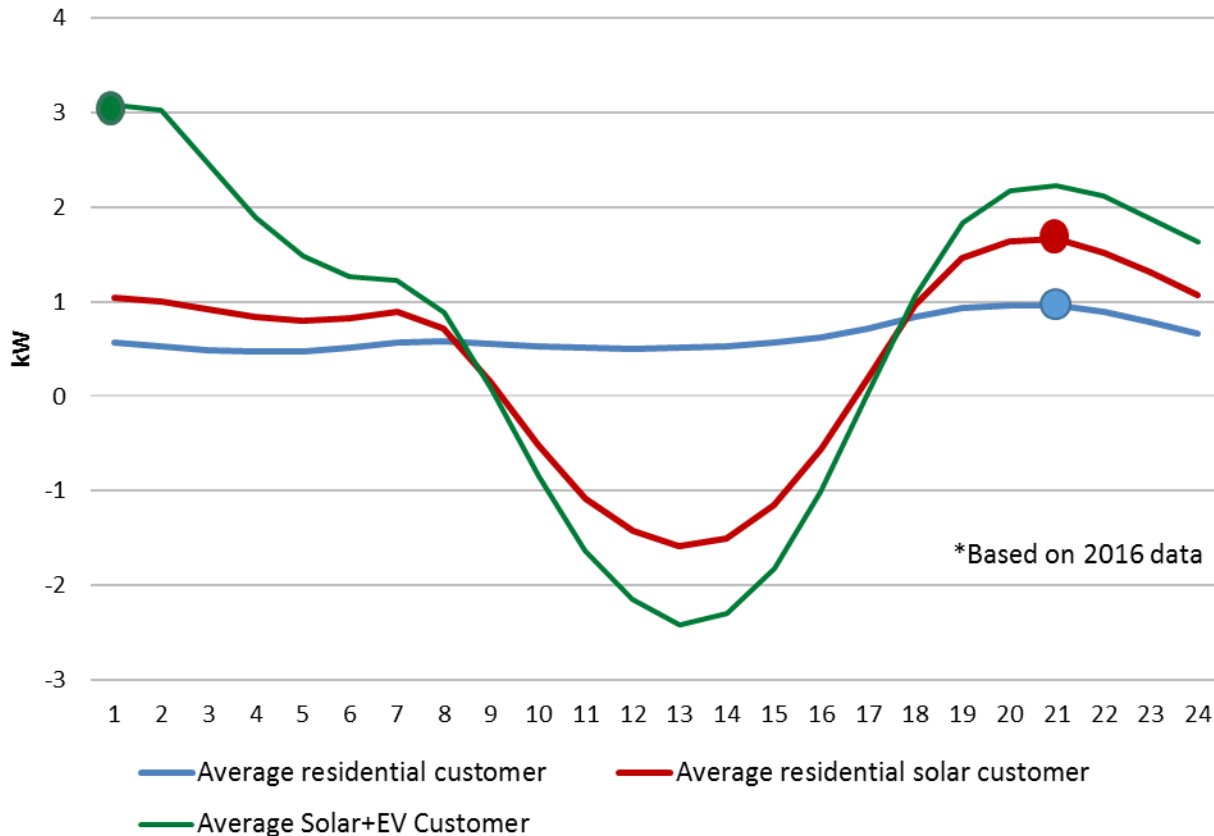


Customer Set-up:

- To ensure customers are ready to receive energy services

Potential Need for More Flexible Price Signals to Meet Future Goals

Average Residential Customer, Residential Solar Customer, & Residential Solar + EV Customer

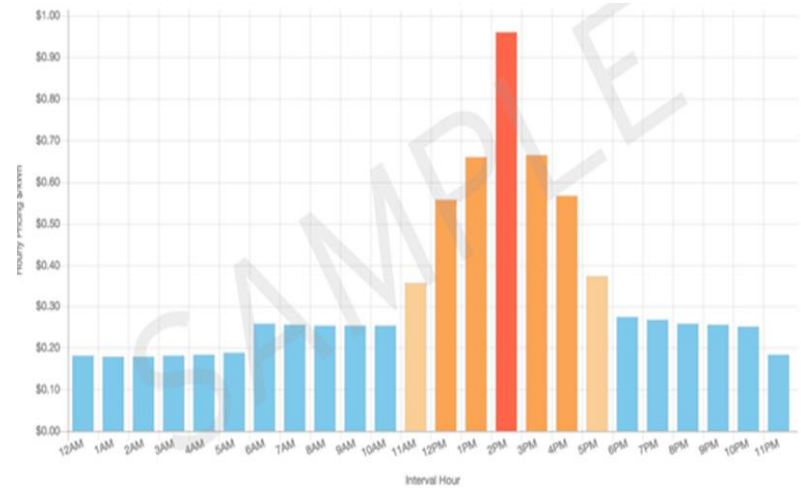
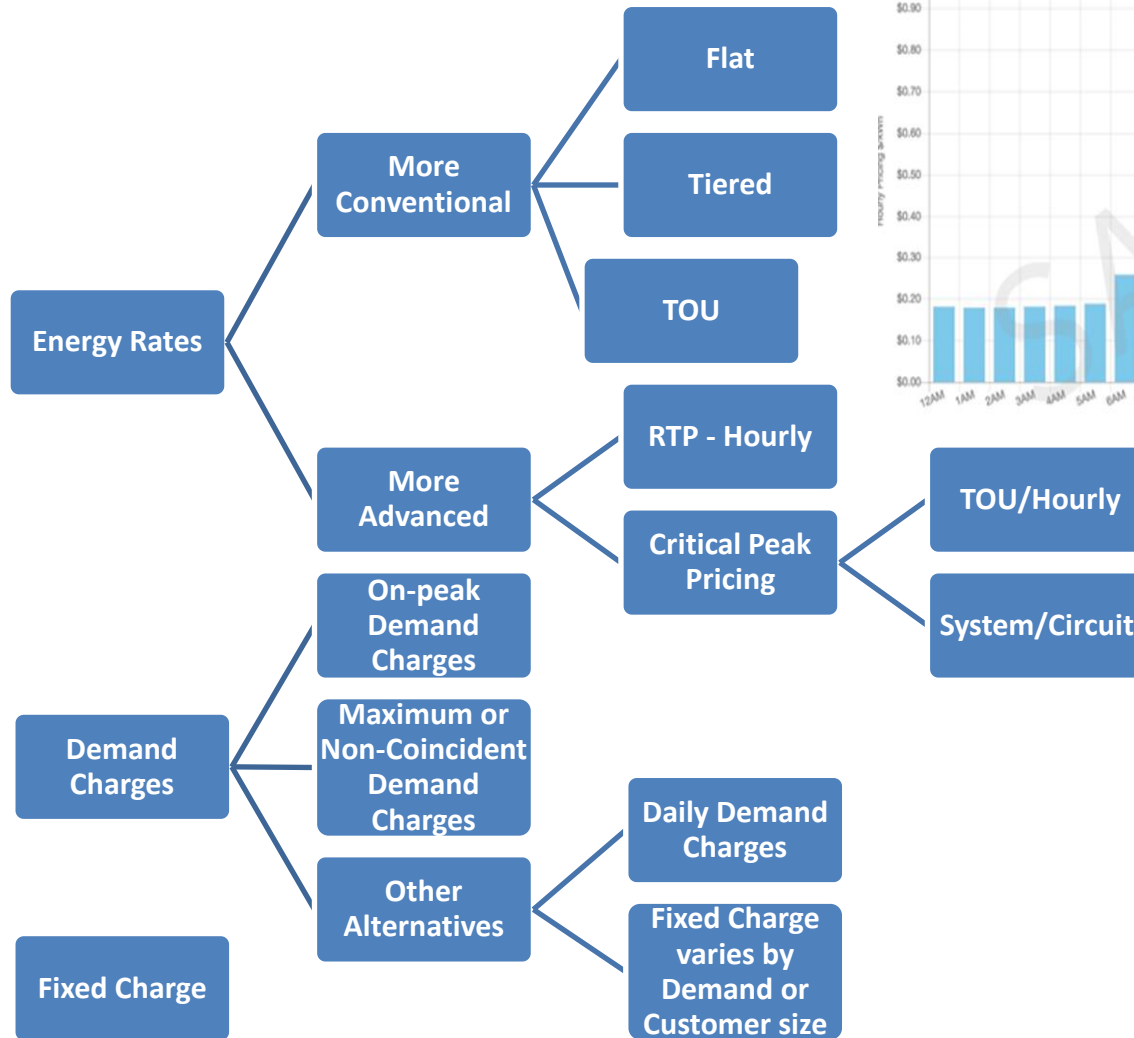


- TOU periods should continue for a minimum of 5 years.
- Residential EV charging can result in a demand many times greater than a typical residential household load.
- The charging of commercial fleet vehicles can have a demand of 10kW to over 100kW *per vehicle*.

Rate Design Tools – Current and Future

Price Signal and Cost Recovery

Cost Recovery



CPP is an energy option that provides a “capacity” price signal

Circuit-level CPP provides a locational price signal while still charging all customers the same price