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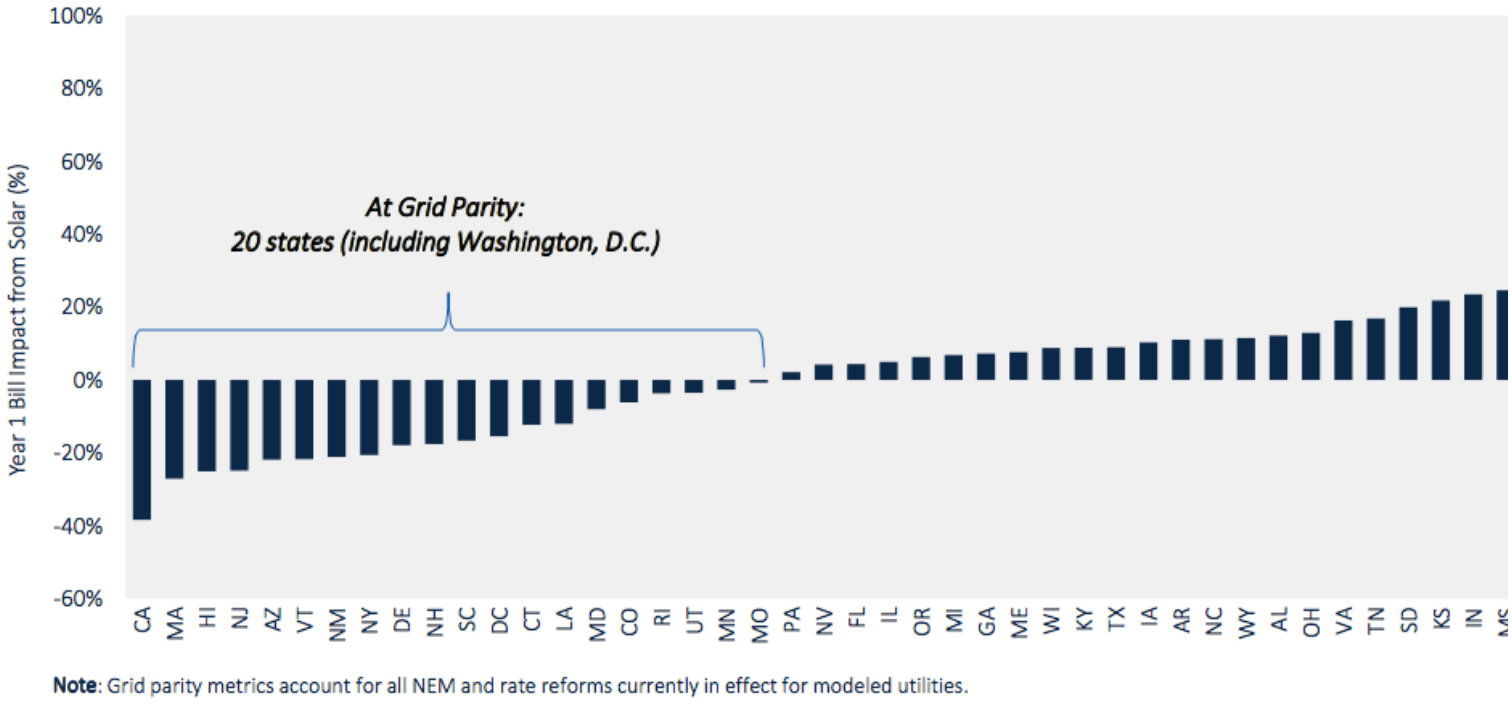
# U.S. Residential Solar Economic Out 2016-2020: Grid Parity, Rate Design Net Metering Risk

by Cory Honeyman

As installation costs continue to decline and retail electricity rates climb, residential so have become increasingly attractive across the United States. 20 U.S. states are curren parity, and 42 states are expected to reach that milestone by 2020 under business-as-u

Residential solar reaches grid parity when the levelized cost of solar energy falls belov electricity bill savings in the first year of a solar PV system's life. While traditional grid rely on average retail electricity rates to calculate customer savings, we used utility an rate design, system production and installation costs to more accurately gauge solar's

**States at Grid Parity in 2016**




**Note**: Grid parity metrics account for all NEM and rate reforms currently in effect for modeled utilities.

This slide-based report explores how rate design and net metering reform risk complic residential solar economic outlook in ways that can either strengthen or weaken the ro savings that can be attained by a customer. It details what might happen under several reform scenarios, provides case studies, outlines key market drivers and includes in-d out to 2020.

The premium version of this report also comes with the complete, underlying dataset ir

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