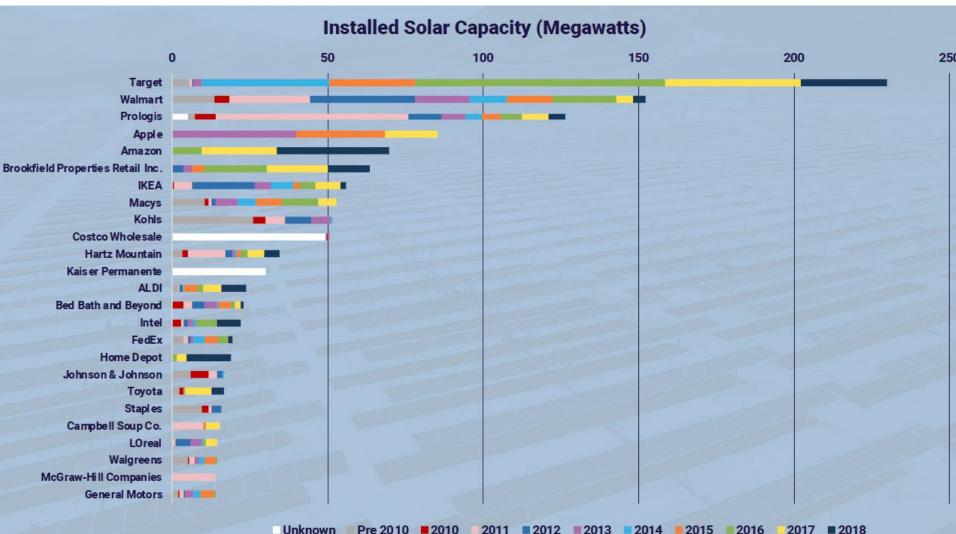




## Corporate On-Site Solar Growth



Source: U.S. SEIA, 2018 Solar Means Business Report

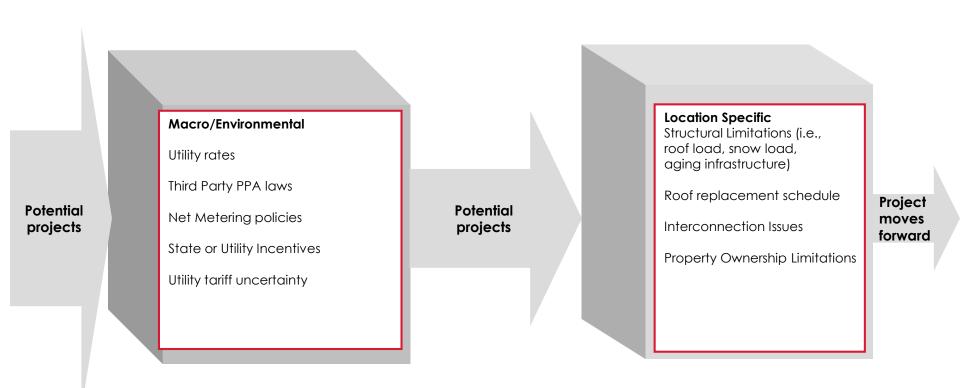


Value Stream	Then	Now + Future
Avoided Energy Cost	The main value stream of behind-themeter solar projects, buoyed by state net metering policies	Decreasing fuel/wholesale energy prices + retail rate design changes are reducing this value stream
Avoided Demand Cost	Depends on coincidence of solar and customer load shape, rate structures	Move to system coincident demand charge may reduce this value stream for customers, depending on utility load shape
Renewable Energy Credits	State net metering policies typically grant RECs to customer	Financial value varies significantly by states
Resiliency	Rarely considered for BTM solar	<ul> <li>Evaluated in planning, sizing, technology combinations</li> <li>Commercial energy storage still financially challenging</li> </ul>



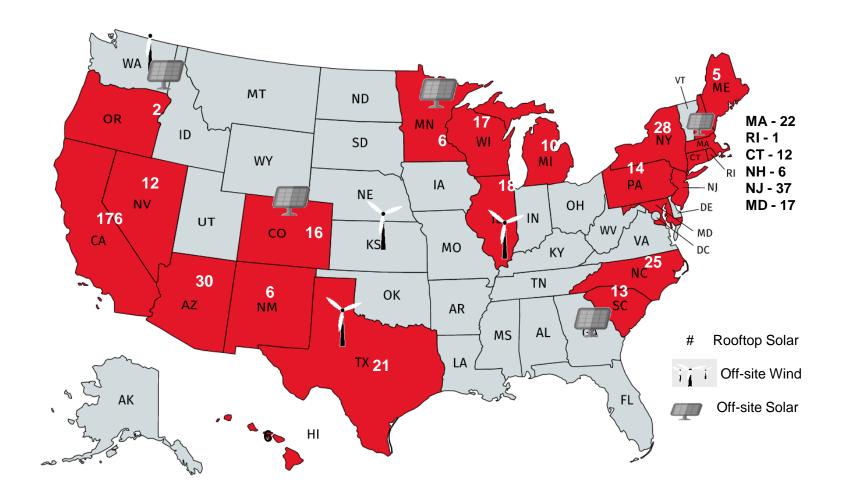
<b>Cost Drivers</b>	Then		Now + Future
Panel Costs	Significant part of installed system costs, but large YoY declines		Despite tariffs and supply constraints, panel costs are now a small part of the installed system cost
Soft Costs	High permitting, surveying, other soft costs	1	Drone technology has reduced surveying costs, permitting streamlined, but soft costs have not declined as significantly
Interconnection Upgrade Costs	Rare to encounter for 500 kW system sizes		Increasing in frequency and size of costs in required upgrades
ITC	Large component of project financials	1	<ul> <li>Still valuable, but declining to 10% in 2022</li> <li>IRS guidance on ITC for solar+ storage helping market</li> </ul>

## Project Selection Process





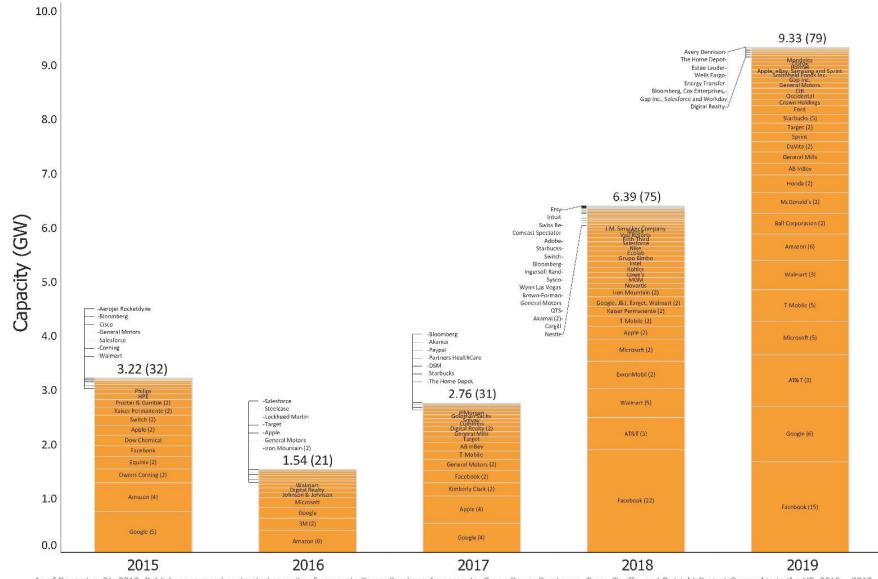
## Clean Energy Projects by State





## Large-scale Renewable Energy Deals

2015 - 2019



As of December 31, 2019. Publicly announced contracted capacity of corporate Power Purchase Agreements, Green Power Purchases, Green Tariffs, and Outright Project Ownership in the US, 2015 – 2019. Excludes on-site generation (e.g., rooftop solar PV), deals with operating plants and deals meant to meet RPS requirements. (#) indicates number of deals each year by individual companies.

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