

Recommended Readings

Value of Solar:

- “Distributed Generation Valuation and Compensation Whitepaper.” Pacific Northwest National Laboratory for the Illinois Commerce Commission. 2018.
<https://www.icc.illinois.gov/downloads/public/DG%20Valuation%20and%20Compensation%20White%20Paper-PNNL.pdf>
- “A Review of Solar PV Benefit & Cost Studies.” Rocky Mountain Institute. 2013.
https://rmi.org/wp-content/uploads/2017/05/RMI_Document_Repository_Public-Reperts_eLab-DER-Benefit-Cost-Deck_2nd_Edition131015.pdf
Widely-cited overview of various solar cost-benefit studies conducted in different states and municipalities that shows different approaches to solar valuation
- “Value of Solar: Program Design and Implementation Considerations.” National Renewable Energy Laboratory. 2015. <https://www.nrel.gov/docs/fy15osti/62361.pdf>
An overview of how regulators can design and implement a value of solar tariff that is meant to provide a framework
- “A Regulator’s Guidebook: Calculating the Benefits and Costs of Distributed Solar Generation.” Interstate Renewable Energy Council. 2013. http://www.irecusa.org/wp-content/uploads/2013/10/IREC_Rabago_Regulators-Guidebook-to-Assessing-Benefits-and-Costs-of-DSG.pdf
An overview of how regulators can approach calculating the costs and benefits of solar generation, with recommendations for developing a standardized national approach to value of solar.
- “Minnesota Value of Solar: Methodology.” Clean Power Research. Minnesota Department of Commerce. 2014. <https://www.cleanpower.com/wp-content/uploads/MN-VOS-Methodology-2014-01-30-FINAL.pdf>
This research looks at how Minnesota, as a nearby upper Midwest state, could approach determining a value of solar energy generation. Minnesota did end up creating a tariff based on value of solar
- “PV Valuation Methodology: Recommendations for Regulated Utilities in Wisconsin.” Clean Power Research. Midwest Renewable Energy Association. 2016.
<https://www.growsolar.org/wp-content/uploads/2016/03/PV-Valuation-in-Wisconsin.pdf>
This research looks at how Wisconsin, as a neighboring upper Midwest state, could approach determining a value of solar energy generation
- “Assessing the Value of Distributed Solar.” Yale Center for Business and the Environment. 2017.
http://cbey.yale.edu/sites/default/files/Distributed%20Solar_FINAL.pdf
Provides another overview of different approaches to determining the value of solar

Value of Energy Storage:

- “The Economics of Battery Energy Storage.” Rocky Mountain Institute. 2015. <https://www.rmi.org/wp-content/uploads/2017/03/RMI-TheEconomicsOfBatteryEnergyStorage-FullReport-FINAL.pdf>
Detailed overview that distills the findings of a number of energy storage studies to present the advantages and challenges for the grid associated with batteries, as an example of energy storage technology
- “Batteries perform many different functions on the power grid.” US Energy Information Administration. 2018. <https://www.eia.gov/todayinenergy/detail.php?id=34432>
Brief, high-level overview of how batteries, as an example of energy storage technology, benefit the grid
- “State of Charge: Massachusetts Energy Storage Initiative Study.” Massachusetts Department of Energy Resources. 2015. <https://www.mass.gov/files/2017-07/state-of-charge-executive-summary.pdf>
Provides an overview of how Massachusetts regulators have approached the state’s push to expand energy storage capacity. Discusses both the benefits of and obstacles to storage technologies