

Energy Bureau downgrades photovoltaic panels



Overview

Defying overwhelming public opposition, state officials voted in late 2022 to make drastic changes to California's rooftop solar rules (called "net energy metering"). The decision by the California Public Utilities Commission (CPUC) has made it harder and more expensive to get rooftop.

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[What's the best way to expand the US electricity grid?](#)

Growing energy demand means the U.S. will almost certainly have to expand its electricity grid in coming years. What's the best way to do this? A new study by MIT researchers examines

[A new approach could fractionate crude oil using much less energy](#)

MIT engineers developed a membrane that filters the components of crude oil by their molecular size, an advance that could dramatically reduce the amount of energy needed for crude oil



[How artificial intelligence can help achieve a clean energy future](#)

A look at how AI can be used to help support the clean energy transition by helping to manage power grid operations, plan infrastructure investments, guide the development of novel

[California Solar Bill: Rules, Rights, and Penalties](#)

A practical guide to California's solar laws - what homeowners are entitled to, what



Homeowner's Guide to Solar

It estimates the energy production and cost of



energy of grid-connected PV energy systems for any

[New facility to accelerate materials solutions for fusion energy](#)

The new Schmidt Laboratory for Materials in Nuclear Technologies (LMNT) at the MIT Plasma Science and Fusion Center accelerates fusion materials testing using cyclotron proton beam



Solar Energy

Any power generated by the PV system not used by you is exported to the utility grid. Solar cells are small, square-shaped panel semiconductors made from

[Explained: Generative AI's environmental impact](#)

MIT News explores the environmental and sustainability implications of generative AI technologies and applications.



[Energy , MIT News , Massachusetts Institute of Technology](#)

Massachusetts Clean Energy Center CEO MBA '12 Emily Reichert highlights the state government's unique approach to fostering and keeping clean energy innovation.

[California Solar Consumer Protection](#)

[Guide](#)

Check out the California Solar Consumer Protection Guide for the latest solar energy information & installation requirements.



Solar Permitting Guidebook 4th Edition

Solar technologies have changed, new laws have been passed and codes have been

[MIT Energy Initiative conference spotlights research](#)

At the MIT Energy Initiative's Annual Research Conference, industry leaders agreed collaboration is key to advancing critical technologies amidst a changing energy landscape.



Evelyn Wang: A new energy source at MIT

As MIT's first vice president for energy and climate, Evelyn Wang is working to broaden MIT's research portfolio, scale up existing innovations, seek new breakthroughs, and channel

[Frequently asked questions about changes to](#)

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[Concrete "battery" developed at MIT now packs 10 times the power](#)

New concrete and carbon black supercapacitors with optimized electrolytes have 10 times the energy storage of previous designs and can be incorporated into a wide range of architectural

Going Solar

In December 2021, the California Public Utilities Commission proposed a new set of rules - known as NEM 3.0 - for how PG&E and other investor-owned utilities



[California Solar Panel Mandate 2025: Complete Guide to](#)

Complete guide to California's solar panel mandate for 2025. Learn requirements,

[California Solar Panels: 2026 Installations, Prices, and](#)

Thinking about installing solar panels in California? Find everything you need to know about incentives, cost, top companies, and more.



[New materials could boost the energy efficiency of microelectronics](#)

MIT researchers developed a new fabrication method that could enable them to stack multiple active components, like transistors and memory units, on top of an existing circuit, which

[Title 24: Solar Mandates & Requirements , California Solar](#)

California's 2020 Solar Mandate requires all newly built homes to install solar photovoltaic systems. These requirements are



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