



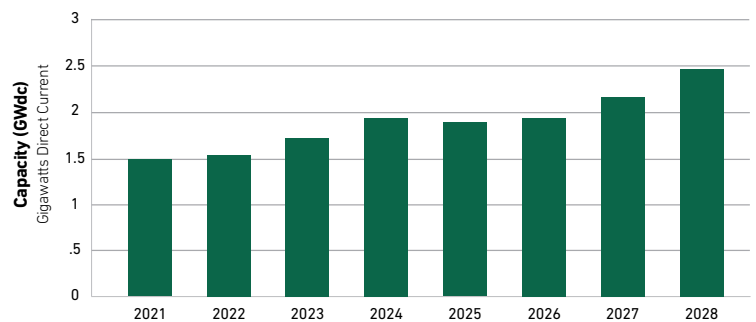
## MAKE SURE YOUR COMMERCIAL ROOFTOPS SUPPORT PHOTOVOLTAIC (PV) SYSTEMS

### The Shift to Renewable Energy

PV panel installation is part of the U.S. clean energy deployment to drive 100% carbon pollution-free electricity by 2035 along with wind, nuclear, geothermal and hydropower.<sup>1</sup>

The Solar Energy Industries Association (SEIA) projects the commercial solar sector to grow an average of 8% over the next five years.<sup>2</sup>

### U.S. Commercial Solar Installations and Forecast



Source: SEIA/Wood Mackenzie Solar Market Insight Report Q2 2023



### SOLAR ELECTRICITY BENEFITS

- + Solar panel efficiency is increasing, which will help further lower our carbon footprint<sup>3</sup>
- + PV-generated electricity can help lower utility costs<sup>4</sup>
- + Roof-mounted panels maximize a building's square footage, increasing property value<sup>5</sup>
- + Solar panel installation can contribute to LEED<sup>®</sup> points and other green building rating systems
- + Converting a commercial business to solar electricity can have tax incentives at the local, state and federal levels



### FEDERAL TAX INCENTIVES

- + Federal Investment Tax Credit (ITC) – reduces federal income tax liability for up to 30% of the cost of a solar system installed through 2033<sup>6</sup>
- + Accelerated depreciation (total system write-off in the first year) on solar energy equipment through the Modified Accelerated Cost-Recovery System (MACRS)<sup>7</sup>
- + Solar Renewable Energy Credits (SRECs) – help recover equipment installation costs through the system's energy production<sup>7</sup>

<sup>1</sup> <https://www.energy.gov/sites/default/files/2023-05/DOE%20-%20100%25Clean%20Electricity%20-%20Final.pdf>

<sup>2</sup> <https://www.trinasolar.com/us/resources/blog/c-and-i-top-trends-of-2024#:~:text=A%20Snapshot%20of%20C%29%20Solar,will%20likely%20experience%20increased%20development>

<sup>3</sup> <https://www.nsf.gov/news/research-finds-returning-solar-panel-production-us>

<sup>4</sup> <https://www.kcgreenergy.com/blog/businesses-benefits-solar-installation/#:~:text=Energy%20Independence,-Independence%20from%20commercial&text=By%20investing%20in%20a%20self,happens%20to%20the%20commercial%20grid.>

<sup>5</sup> <https://coldwellsolar.com/commercial-solar-blog/can-solar-power-increase-your-commercial-property-value/>

<sup>6</sup> <https://www.energy.gov/eere/solar/federal-solar-tax-credits-businesses>

<sup>7</sup> <https://www.kcgreenergy.com/blog/businesses-benefits-solar-installation/#:~:text=Energy%20Independence,-Independence%20from%20commercial&text=By%20investing%20in%20a%20self,happens%20to%20the%20commercial%20grid.>

# MITIGATE THE RISK TO YOUR ROOFING SYSTEM



## SOLAR PANEL RISKS

## HOW DENSDECK<sup>®</sup> ROOF BOARDS CAN HELP

All electrical systems come with a fire risk. Problems can cause arcs between conductors or the ground, which can ignite nearby flammable material.<sup>8</sup>

Fire-related codes for roof-mounted solar systems are being updated. A reroof could be required if noncombustible materials weren't initially used.

Solar panels may require costly removal and reinstallation for a reroof—if your roof and the panels don't have the same lifespan.

Rooftop equipment increases foot traffic and the threat of puncture damage during installation and maintenance.

### NON-COMBUSTIBLE

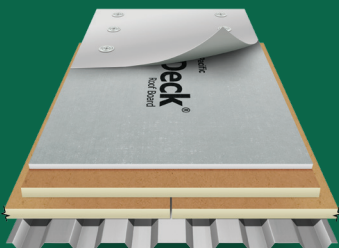
DensDeck<sup>®</sup> Roof Boards are non-combustible per ASTM E136. The gypsum core and fiberglass mat facers help slow the spread of flames and smoke.

### DURABILITY

Cover boards extend the life of a roof. 86% of single-ply roofs with a cover board met owner life expectancy compared to only 52% of roofs without a cover board.<sup>9</sup>

### COMPRESSIVE STRENGTH

A compressive strength ranging from 900 –1,800 PSI helps fight the risk of punctures from heavy foot traffic and dropped tools during maintenance.



DensDeck<sup>®</sup> Roof Boards contribute to solar-ready rooftops and the transition to renewable energy. They provide a stable, durable substrate for solar panels on commercial low-slope roofs. This can help support safe, efficient PV installation while maximizing the life of your roofing system.



Learn more at  
**DensDeck.com**

<sup>8</sup> <https://www.energy.gov/eere/solar/consumers-guide-fire-safety-solar-systems>  
<sup>9</sup> FMI Roof Cover Board Survey completed in May 2020. Actual results may vary.