



Experts In  
Commercial Installation



# THE BKD/FORVIS BUILDING



## BIG SAVINGS IN DOWNTOWN SPRINGFIELD

Jared Enterprises chose APC Solar to meet its growing energy needs at a cost that was way less than expected.



**Problem:** The BKD/Forvis Building in Springfield, MO was experiencing large demand charges that caused spikes in energy charges every month.



- Date: 12 April 2018
- Client: Jared Enterprises
- Project Type: Rooftop Solar Installation



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# CASE STUDY



## THE CHALLENGE

The building had outdated lighting, couldn't monitor its energy usage, the HVAC system was causing unnecessary demand spikes, and the roof had a large unused space, which was several stories up in the middle of downtown Springfield.



## THE SOLUTION

The solution was to conduct a complete energy analysis and then implement several strategies.

- The entire building was converted to LED lighting, both exterior and interior.
- The HVAC systems were modified so as not to create demand spikes.
- By crane 464 high-efficiency 320-watt solar panels were installed on top of the building.
- Inverters were installed to convert the sun's clean energy into power for the buildings use.

## THE RESULTS



208,846 kWh of power generated annually



127 tons of CO<sub>2</sub> emissions saved per year



# \$40,000 Annualized Savings