

EVALUATING SOLAR FOR LARGE BUILDINGS

How to properly evaluate your building
for solar installation



Prepared By Artisan Solar



Take Control of Your Energy Future

Why Evaluating Solar Matters

Solar power isn't just about energy—it's about empowering your business with cost savings, increased property value, and long-term financial stability. At Artisan Solar, we simplify solar installation for large commercial buildings, helping you navigate every step of the process while maximizing incentives and savings.



Table of Contents

Introduction 2.....	
Understanding Solar Financing 3.....	
Your Financing Options 4.....	
Potential Savings Worksheet 4.....	
Case Study 5.....	
Next Steps 5.....	
FAQs 6.....	

Understanding Solar For Your Building

Breaking Down the Costs and Benefits

Installation Costs:

- Solar systems represent an upfront investment that delivers long-term savings. Costs can vary based on system size and complexity. For larger commercial buildings, typical ranges are between \$50,000 and \$500,000.

Incentives and Rebates:



Federal Investment Tax Credit (ITC):

Claim up to 50% of your installation costs as a tax credit.



Accelerated Depreciation (MACRS):

Leverage significant savings through tax depreciation benefits.



State-Specific Incentives:

Explore grants, rebates, and additional local tax credits tailored to your area.



USDA REAP Grant:

For rural businesses, cover up to 50% of the system cost with this federal program.

Long-Term Benefits:

- Solar energy reduces operating costs, enhances property values, and provides predictable energy expenses.

Examples

A system installed at 11125 NW Ambassador Drive in Kansas City increased property value by \$278,985 in year one .



Your Financing Options

Choosing the Right Path for Your Business



Direct Purchase

Own your system outright, maximizing ROI through ownership of tax credits and depreciation benefits.



Solar Loans

Spread the cost over time while retaining ownership, ensuring access to tax advantages and long-term savings.



Leases or Power Purchase Agreements (PPAs)

No upfront costs; benefit from solar power while making predictable monthly payments.



Energy-Specific Financing

Work with lenders specializing in solar energy to access tailored financial solutions.

Potential Savings Worksheet

Calculate Your Solar Potential

Key Formulas:

1. Annual Energy Cost Savings Formula:

$$\text{Annual Energy Cost Savings} = \text{Annual Energy Cost} \times \text{Percent Savings from Solar (~50-80\%)}$$

(Assumption: Solar systems typically offset 50-80% of electricity costs)

2. Property Value Increase Formula:

$$\text{Property Value Increase} = \text{Annual Energy Cost Savings} \times \text{Multiplier} + \text{Per Watt Value} \times \text{Solar System Capacity}$$

(Assumption: Property value increases based on NOI changes using a typical cap rate)

3. Net Investment Cost Formula:

$$\text{Net Cost} = \text{System Cost} - \text{Tax Credits+Rebates+Depreciation Benefits}$$

Please note: that these are rough estimates based on typical industry ranges and assumptions. Our team at Artisan Solar can provide you with actual estimates tailored to your energy usage data, property specifications, and applicable rebates.

Case Study

Real Results from a Successful Solar Installation

Example Project:

11125 NW Ambassador Drive, Kansas City, MO



Initial Investment:
\$56,225 (net after incentives).



NOI Increase in Year One:
\$19,529.



Property Value Increase:
\$278,985 (at a 7% capitalization rate).



30-Year ROI:
18x return on investment, with a net present value of \$334,661.

"This real-world example showcases how strategic financing unlocks long-term benefits, including predictable energy costs and significant property value growth."

Next Steps

Steps to Evaluate Your Business for Solar



Gather Documents

Compile annual utility bills, site information, and your financial goals.



Schedule a Solar Assessment

Contact Artisan Solar for a comprehensive review and feasibility analysis.



Develop a Financing Strategy

Collaborate with our experts to create a solution that meets your objectives and maximizes available incentives.




FAQs

- **What tax credits am I eligible for?** Federal ITC (30%) and additional state-specific credits or grants.
- **How long does it take to see ROI from solar?**
ROI typically ranges from 2-7 years depending on system size and location.
- **What upfront costs should I expect?**
Financing solutions often minimize or eliminate upfront costs entirely.
- **How does solar improve property value?**
Increased NOI translates directly into higher property valuations.

DISCOVER THE FINANCIAL BENEFITS OF SOLAR POWER
FOR YOUR LARGE BUILDING TODAY. OUR TEAM IS
READY TO GUIDE YOU EVERY STEP OF THE WAY!

[Request Your Solar Assessment Now](#)

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