



Vessyll

Solar + Storage Readiness Checklist

Introduction

As energy costs rise and grid reliability becomes less predictable, organizations are turning to solar and battery storage to gain greater control, reduce operational risk, and improve long-term resilience.

This checklist is designed to **help you assess your readiness for a solar + storage solution**, from understanding your energy profile to identifying infrastructure requirements and financial opportunities.

Whether you are in early exploration or actively planning a deployment, this guide outlines the key questions that lead to smarter, more strategic energy decisions.



Understand Your Energy Profile

Gaining a clear understanding of how your facility consumes energy is the foundation of any successful solar + storage strategy. This includes usage patterns, demand charges, and opportunities to shift or optimize load.

Key Questions:

- What is your monthly and annual energy usage (kWh)?
- Are you subject to demand charges? If so, how much (\$/kW)?
- Are you on a time-of-use rate structure?



Align Stakeholders + Expertise

Successful projects require alignment between internal stakeholders and experienced external partners. Early coordination helps reduce risk, clarify goals, and accelerate decision-making.

Key Questions:

- Who is responsible for energy or facility decisions internally?
- Do you have access to building and electrical system plans?
- Is your primary goal resilience, cost savings, or both?
- What ownership model are you considering (direct, lease, third-party)?
- Do you need external advisory or full project support?



Evaluate Policy + Grid Interconnection

Local policies, permitting requirements, and utility interconnection rules can significantly impact project feasibility, timeline, and cost.

Key Questions:

- What are the local zoning and permitting requirements?
- Are there interconnection limitations or fees?
- Is net metering available for your system?
- Are there restrictions on adding battery storage to solar?
- Can your system participate in grid services or demand response programs?

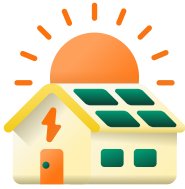


Define Critical Energy Loads

A core benefit of solar + storage is the ability to maintain power during outages. Identifying your critical loads ensures the system is designed to support what matters most.

Key Questions:

- What systems must remain operational during an outage?
- How long do those systems need to run?
- Will solar + storage operate alone or alongside backup generators?
- How will integration impact existing backup systems?
- Are critical loads isolated within your electrical infrastructure?



Access Site + Solar Constraints

Physical site conditions will influence system size, performance, and overall system viability.

Key Questions:

- What system size is needed to meet your energy goals?
- Can your roof support a solar installation?
- Is there sufficient unobstructed space?
- Are there shading issues from trees or nearby structures?
- Are there alternative installation areas (carports, ground-mount)?
- Can panels be positioned for optimal sun exposure?

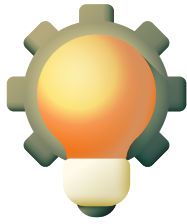


Determine Energy Storage Strategy

Battery storage plays a key role in resilience and cost optimization. Selecting the right approach depends on your operational priorities.

Key Questions:

- What role should storage play (backup power, demand reduction, grid services)?
- How much critical load needs to be supported, and for how long?
- How will solar generation support battery charging during outages?
- Where will the battery system be installed (indoor vs. outdoor)?



Explore Financial + ROI Opportunities

Understanding incentives, financing options, and long-term savings is critical to building a strong business case.

Key Questions:

- What incentives (federal, state, utility) are available?
- Can tax credits offset system costs?
- Is third-party ownership or leasing a viable option?
- Are clean energy financing programs available?
- Can your system generate additional revenue (e.g., SRECs)?

Closing

A well-planned solar + storage system can reduce energy costs, improve operational resilience, and deliver **long-term value**.

Vessyll works with organizations to design and implement tailored energy solutions aligned with real-world operational needs.

