

FREE SITE VALUE SCREEN / SAMPLE REPORT

Interconnection headroom + peak shaving

Keep contractual margin, observed demand, modeled flexibility,
and utility-system evidence in separate ledgers.

SAMPLE SITE

INDUSTRIAL LOAD

WINDOW

12 ILLUSTRATIVE MONTHS

EVIDENCE CLASS

PRELIMINARY SCREENING SCENARIO

EXPLICITLY ILLUSTRATIVE. THE SITE, TARIFF, VALUES, AND EQUIPMENT ARE FICTIONAL. THIS IS NOT A UTILITY STUDY,
CAPACITY RESERVATION, OR APPROVAL TO INTERCONNECT OR EXPORT.

ILLUSTRATIVE OUTPUT / CAPACITY LEDGER

The 7 MW difference is arithmetic - not verified grid headroom

A hypothetical 25 MW service limit minus an 18 MW observed peak produces a preliminary contractual margin. Equipment, operating, feeder, and utility evidence can change the usable result.

SAMPLE INDUSTRIAL SITE / FICTIONAL EVIDENCE

12 MONTHS / 15-MINUTE INTERVAL LOAD

25 MW ILLUSTRATIVE CONTRACTUAL IMPORT LIMIT	18 MW ILLUSTRATIVE OBSERVED 15-MINUTE PEAK	7 MW PRELIMINARY CONTRACTUAL MARGIN / UNVERIFIED	99.6% ILLUSTRATIVE LOAD-INTERVAL COVERAGE
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Capacity margin and load shape answer different questions

Illustrative import demand / 12-month screening window

OBSERVED DEMAND SCREENED MARGIN CONTRACT LIMIT

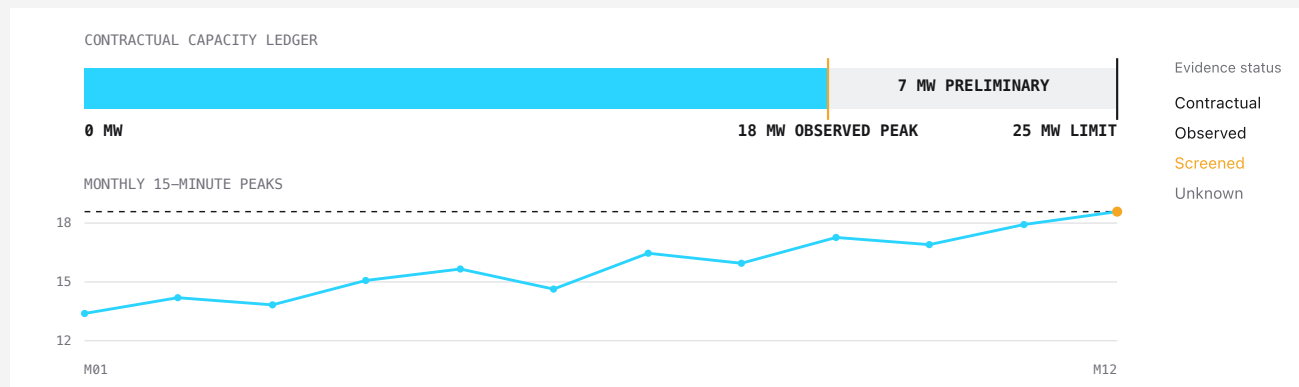


Fig. 1 / Designed sample values. Unused contractual import is distinct from transformer, feeder, protection, export, or utility-system capability.

ILLUSTRATIVE SITE SCREEN

THE SCREEN CAN ESTABLISH

What the supplied site evidence visibly supports

It can reconcile interval load to bills, identify the governing service language, preserve coverage gaps, and separate new charging demand from behind-the-meter load offset.

THE SCREEN CANNOT ESTABLISH

Deliverable capacity or permission to interconnect

Transformer ratings, feeder conditions, protection, export rights, operating restrictions, and utility review remain open until evidenced directly.

Scope note / Queue MW, hosting-capacity context, nearby projects, county totals, and utility territory never become parcel-level rights by proximity.

ILLUSTRATIVE OUTPUT / TARIFF-AWARE VALUE SCREEN

Peak-shaving value follows the tariff and site boundary - not queue MW

A hypothetical 5 MW / 10 MWh battery illustrates how bill savings, operating cost, and utility evidence can be layered without converting a preliminary screen into an engineering conclusion.

SAMPLE SCENARIO / 5 MW / 10 MWH

ANNUALIZED DESIGNED VALUES / NO REAL TARIFF

Every value stream is modeled once

Illustrative annual customer-bill value / USD thousands

BILL REDUCTION OPERATING COST MODELED TOTAL

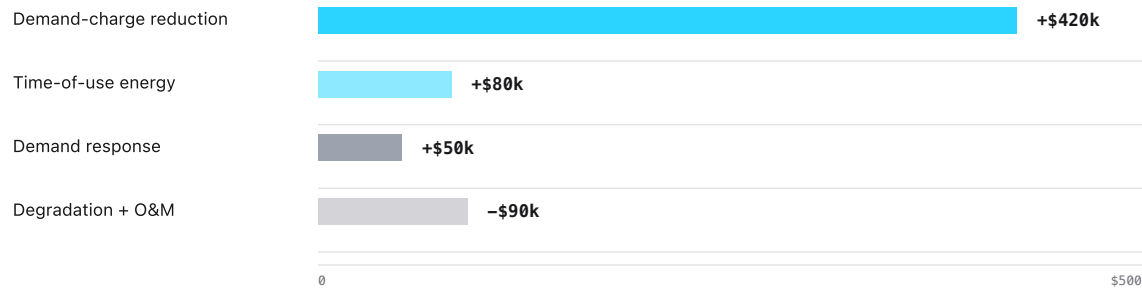


Fig. 2 / Fictional tariff, load, battery, and cost assumptions. Export and ancillary-service value are excluded because eligibility is not established in the sample evidence. MODELED / ILLUSTRATIVE

Illustrative annual customer-bill value after modeled degradation and O&M; before CAPEX, financing, tax, incentives, and utility study.

\$460k

01 / PUBLIC CONTEXT

Locate tariff and grid evidence

Screen utility territory, candidate tariff, public queue and hosting context, and nearby infrastructure without assigning site rights.

02 / PRIVATE RECONCILIATION

Rebuild the site bill and load shape

Add 12 months of interval load and bills, service terms, existing DER, import/export limits, growth plans, and operating constraints.

03 / UTILITY VERIFICATION

Resolve what the screen cannot

Confirm transformer, voltage, protection, feeder, export, interconnection, and study requirements with the serving utility.

Decision-grade evidence arrives in layers

01 Reproduce the historical bill before optimizing. Demand, ratchet, coincident-peak, rider, standby, and export terms remain explicit.

02 Model grid import as facility load minus onsite generation plus charge minus discharge, inside stated site and battery limits.

03 Do not double count battery capacity across peak shaving, time-of-use arbitrage, demand response, or export.

04 Keep observed, contractual, screened, and unknown quantities separate until the governing evidence changes their status.

DECISION BOUNDARY

The \$460k sample result is a modeled value screen, not an investment case.

A real report would require the actual tariff, interval load, bills, service and interconnection agreements, equipment ratings, growth plan, and finance inputs before recommending a project.

PUBLIC STARTING POINT / SERVING-UTILITY PUBLICATIONS, OPENEI TARIFF CONTEXT, AND ASK THE GRID RECORDS. PRIVATE SITE DATA IS SCOPED SEPARATELY.

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