

## The Assessor Platform

Kevala was born from an effort to bring hyper granular information about the built environment to decision makers in the electricity sector. The **Assessor Platform** supports decision-making via its proprietary decision support interface, allowing clients to identify which datasets they can provide to address discrete needs and enabling the automatic incorporation of additional data from the Assessor Platform to produce instantaneous results.

The **Assessor Platform** provides access to three core product categories: **Network Assessor**, **EV Assessor**, and **Grid Assessor**. Each provides solution sets to market participants; this product summary focuses on **Network Assessor** applications. If you would like additional insights into EV Assessor, our solution for utilities and energy stakeholders on the impacts of EV charging infrastructure, or Grid Assessor, our solution for renewable independent power producers (IPP) please let us know.

### NETWORK ASSESSOR

**Network Assessor** provides solutions for regulators, utilities, community choice aggregators, and other energy decisionmakers. Kevala's **Network Assessor** is a powerful, web-based solution that dynamically surfaces data and analysis on distributed energy resources and load connected to the grid. Kevala utilizes time-series load and generation modeling, integrates customer proprietary data, and uses geospatial maps of physical infrastructure to surface insights on the value and behavior of grid-connected resources. Added analytics and machine learning-based insights result in a comprehensive decision-making platform.

**Network Assessor** is focused on tying together operational constraints, planning horizon needs, and economic analysis. By building scalable tools rather than producing static reports that are out of date by the time they leave the printer, Kevala delivers persistent, actionable intelligence for dynamic markets.

### MODULES AND SERVICES

Kevala currently offers the following value-add analytic modules:

- Building-level modeled load
- Energy Efficiency
- Locational value of DERs (“LMP+D”)
- Hourly DER load/generation modeling
- Hosting capacity
- Front-of-meter battery storage
- Scenario development and forecasting
- Identification of proprietary projects

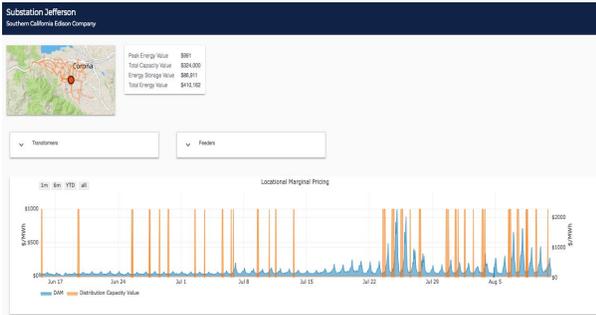
#### *Professional services*

Kevala additionally recognizes that the electricity sector is one of the most diverse industries on Earth. Kevala's **Network Assessor** Platform is designed to accommodate the unique needs of each client by providing a platform that infills needed data where the client may not have adequate resources. Designing solutions in this environment requires a robust team with deep energy industry experience. These professional services include:

- Distribution planning
- Non-wires alternatives analysis
- Energy resiliency/microgrid modeling
- Integrated resource planning
- Program and rate design
- DER cybersecurity planning
- DER site ranking and selection

## Example Solutions

### LOCATIONAL NET BENEFIT ANALYSIS



Kevala developed the Locational Net Benefit Analysis (LNBA) solution on behalf of the US Department of Defense (DoD) to look at the costs and benefits of large-scale, distribution grid-connected solar and storage installations. The LNBA tool integrates with wholesale energy prices in organized markets or utilizes custom utility avoided cost calculations in vertically integrated markets. For the DoD, Kevala built a scenario modeling tool that incorporated heat rates and fuel costs of a large pacific island with a significant defense presence and calculated hourly avoided costs under different policy scenarios to determine the value of specific mixes of solar and storage resources.

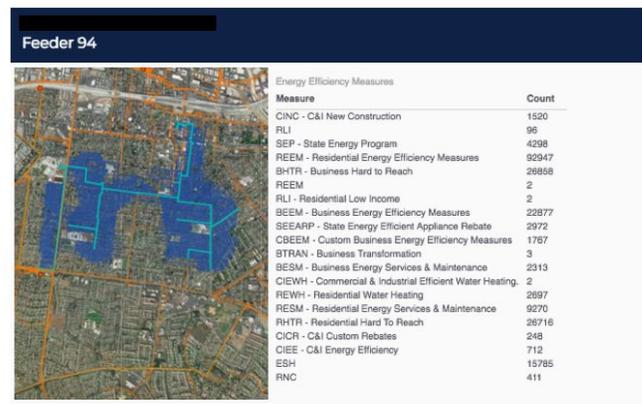
### NON-WIRES ALTERNATIVES



Kevala has engaged with the State of California to perform analysis on Non-Wires Alternatives (NWA) for multiple utility-proposed wires-based solutions to grid reliability needs. Kevala’s **Network Assessor**

Platform ingested and analyzed utility-provided datasets including address-specific load information, DER locations, distribution infrastructure data, and forecasted load modifications as part of the analysis. Kevala’s NWA work examined the reasonableness of the load assumptions, forecasts, and proposed solution sets while considering the electrical and economic efficiencies of the proposals and alternatives that were not initially evaluated.

### ENERGY EFFICIENCY IMPACT MODELING



Kevala, collaborating with Hawaii Energy, used the **Network Assessor** platform to aggregate energy efficiency projects by measure based on the topography of the grid and building-specific project data. These projects were then modeled based on weather, time of day, day of the week, and other factors to create a shape of aggregated load modification for incorporation in **Network Assessor’s** avoided cost calculators. In this form, results can be evaluated against deemed savings or site-specific meter data depending on client needs. Individual buildings can be evaluated for targeted opportunity assessment based on AMI data, customer class, or other factors, such as land use or socio-economic data.

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