

**E Source Battery Next** is a data-focused solution that tracks the global battery market and anticipates where it will go next. Accurate intelligence about the battery market is vital for utility planning, but the market is extremely difficult to forecast because of supply-chain issues, materials scarcity, and manufacturing limitations. At the same time, demand for batteries is skyrocketing. This adds tremendous risk to utility forecasts. Our first-principles analysis, led by our recognized global battery expert, will provide you with the critical information you need for modeling inputs, long-term planning of stationary energy storage, and assumptions for EV forecasting.

## How we help

- **Data you can rely on.** When you need to make planning decisions and validate assumptions, you need reliable and complete data. The E Source approach ensures that our market forecasts are realistic projections of the future. They're grounded in fact and consider assumptions and unknowns.
- **Mitigate risk from a volatile market.** Our global experts can advise you on when and where to invest in batteries for your generation, distribution, transmission customer-energy storage, and EV needs.
- **Plan for batteries on the grid.** We'll help you stay ahead of market pricing and supply and demand trends. You'll better understand how to match load on the grid and keep up with the rising demand for batteries and renewables.
- **Design customer-facing programs.** Customer demand for battery storage systems is increasing because of reliability challenges as well as the increasing affordability of battery systems. We can assist in the development of your customer battery programs so that you can provide the energy storage solutions your customers need, cost-effectively and optimized for your goals.
- **Estimate future costs.** To develop an integrated resource plan (IRP), you need to accurately forecast the cost-effectiveness of energy storage assets. We'll help you plan future battery purchases by quantifying cost sensitivity for individual components or materials and establishing strategies for hedging the risks of those costs.
- **Track battery innovations.** Our research publications and our battery experts will help you understand how battery technology is evolving and how best to incorporate batteries into your business strategy. With access to our knowledge and data, you can feel confident developing battery-related requests for proposals for your utility planning efforts.

## Questions we answer



How will batteries transform the grid in the next 10 years?



Will there be sufficient battery supply to meet grid demands?



How are supply-chain issues affecting battery manufacturing inventory?



Which types of batteries should we use for our specific applications?



How much will battery pricing influence the growth of electric transportation?



How can we prepare for growth in residential and commercial demand for battery storage technologies?

## ▶ Service benefits

**Battery Next** offers you and your team access to:

### **E Source Battery Cost Model**

Our data science–driven battery cost model calculates the cost of making a stationary energy storage system from the atomic layer to the finished product. With more than 1,000 data points, you can gain insights into the latest battery pricing inputs, costs, and margins of industry players that provide a granular and accurate model of battery system pricing.

### **E Source Battery Forecast**

Search our database of more than 30 global battery markets, including data on 12 stationary applications. We update the database on a quarterly basis, and it includes applications such as residential and commercial storage, large utility-scale storage, transportation (including EVs), and portable devices. Get current and 10-year forecasted pricing for cells, packs, and systems; materials flow coming into the battery industry; and recycled materials flow returning to the supply chain.

### **E Source Levelized Cost of Storage Model**

Use our model to determine the cost of using a specific battery or configuration to deliver power. You can also compare different scenarios and technologies.

### **E Source Battery Factory Tracker**

Use this database of existing and announced battery factories to track and forecast future supply of batteries for all form factors and applications.

### **E Source Energy Storage Project Tracker**

Access information about every announced utility-scale stationary energy storage project in the world. We list and track more than 1,000 projects.

### **Ask E Source**

Get information directly from E Source battery experts through our on-demand inquiry service. We can help you better understand the battery market and forecast market penetration to determine where and when to invest and to guide incentive programs.

### **Quarterly reports and webinars**

Get insights and analysis on newsworthy topics that directly or indirectly affect the battery and energy industries.

## ▶ Research themes

Our **reports and presentations** keep you up to date on hot topics such as:



### **Market demand**

for specific battery applications, including behind-the-meter and grid-scale systems



### **Battery pricing**

dynamics and trends



### **Materials availability**

for various battery chemistries as well as manufacturing and supply-chain issues



### **Dynamic modeling**

of the cost of delivering discharged energy from a battery system