

# Battery market forecast to 2030

What power drills, EVs, and mitochondria say about the future of batteries

Sam Jaffe, vice president, Battery Solutions



# Today's speakers



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# What we'll cover

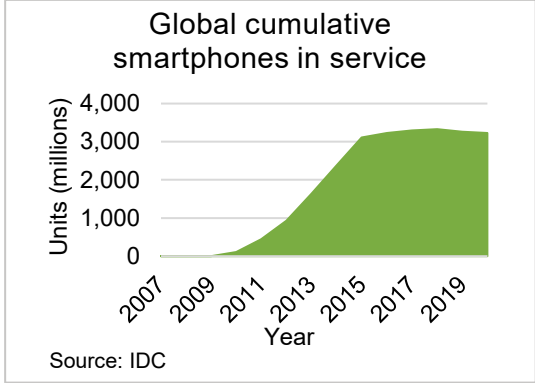
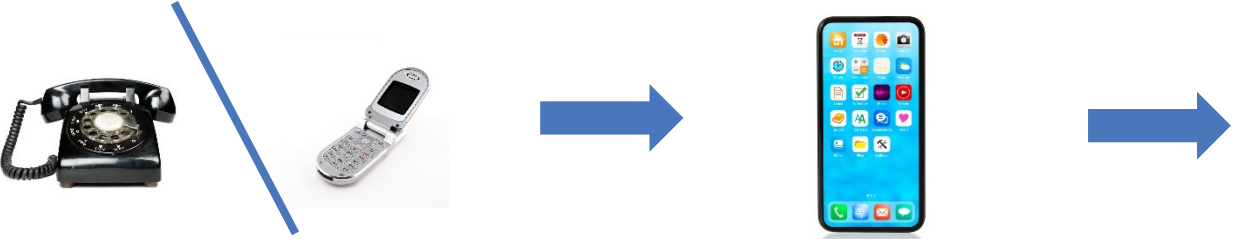
- Battery market drivers of growth
- 2021 growth trajectory: costs, supply, and demand
- Potential inhibitors for the stationary energy storage and mobile battery markets
- Forecast to 2030
- Q&A and discussion



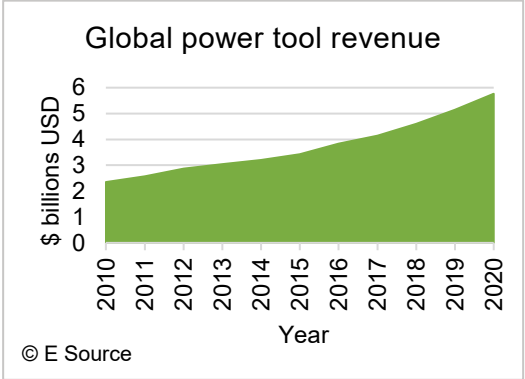
# Of mitochondria and batteries



# When a phone eats a battery

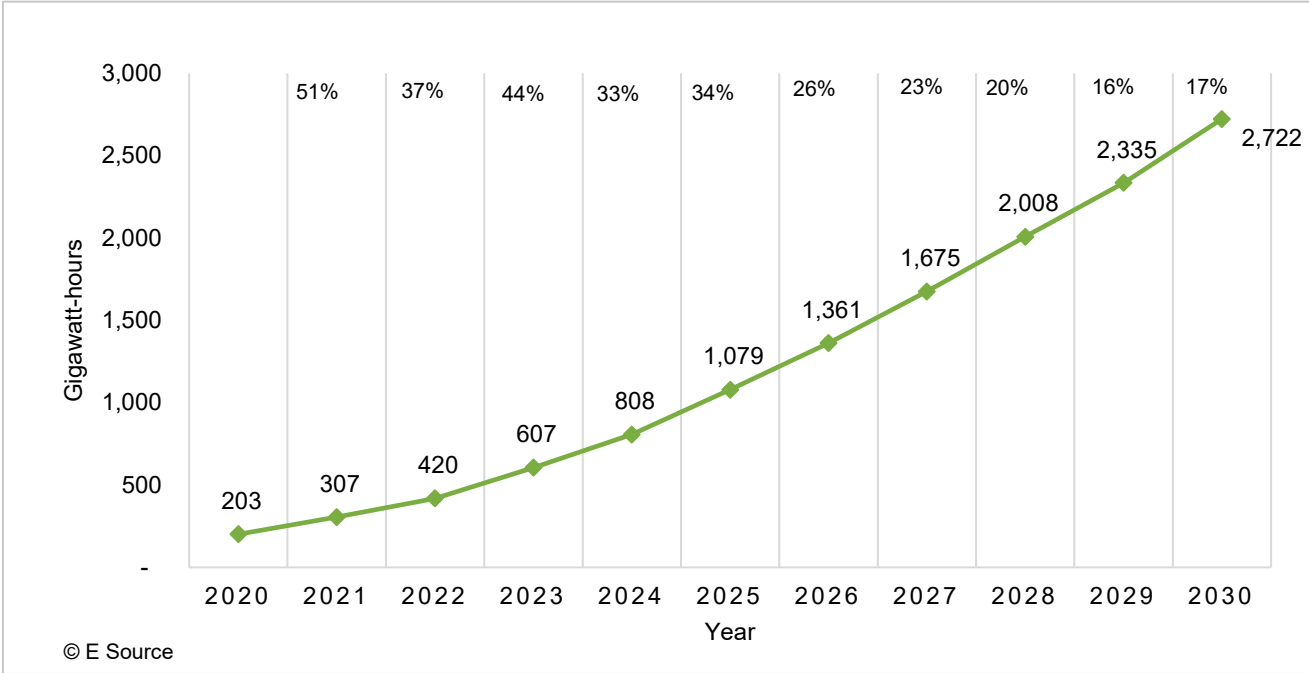


# When a drill eats a battery

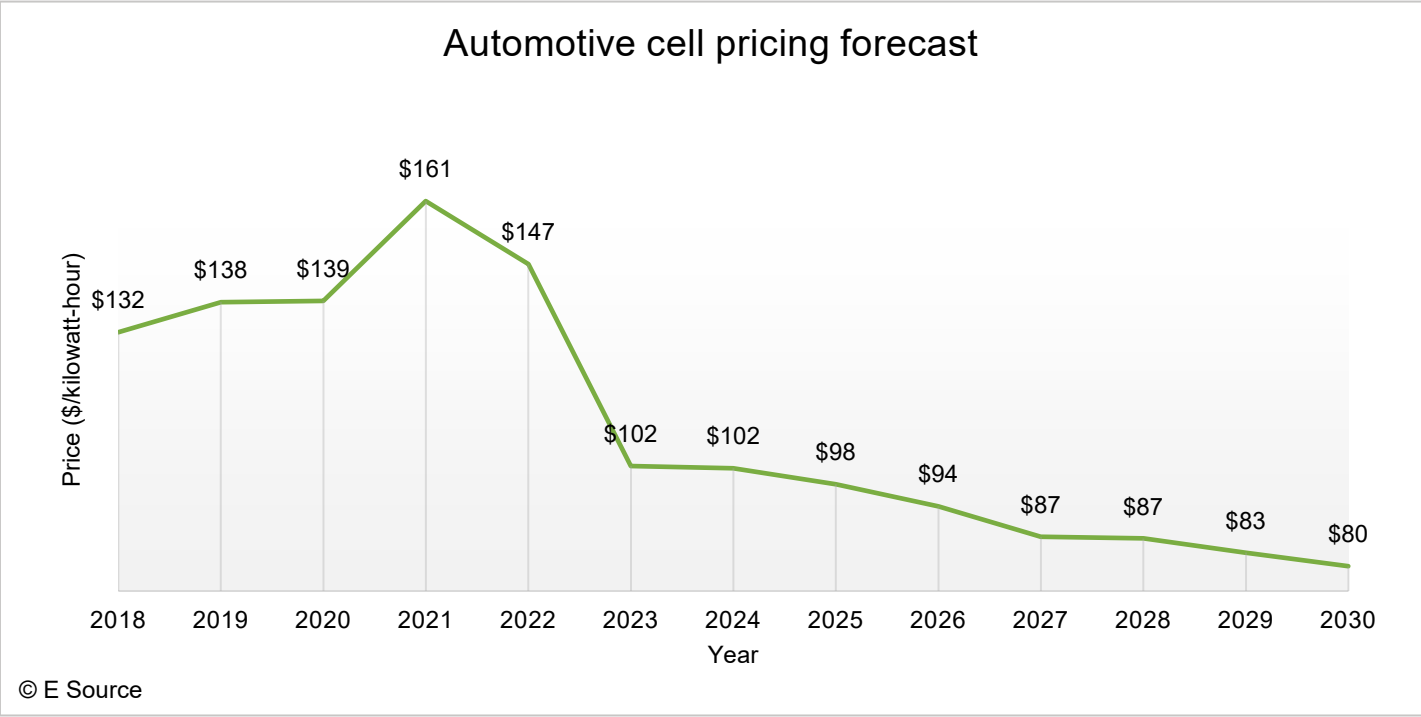


Sources: Home Depot, Bosch Tool, Milwaukee Tool

# Lithium ion (Li ion) growth forecast

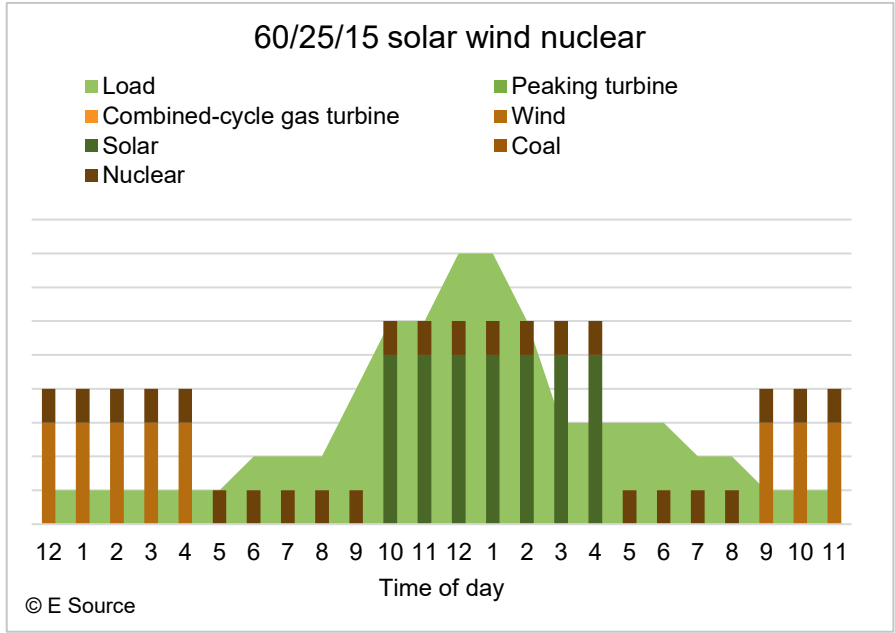
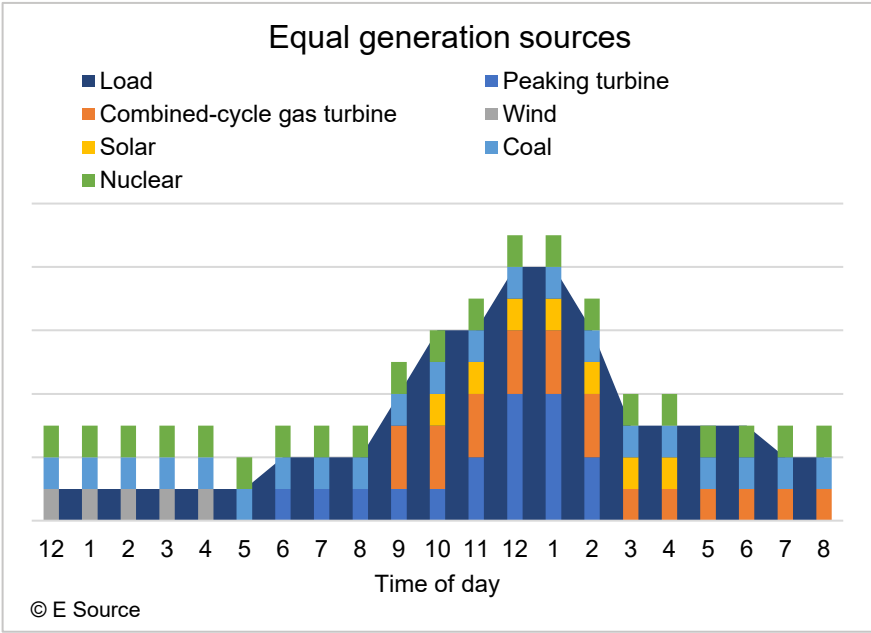


# Li ion price forecast

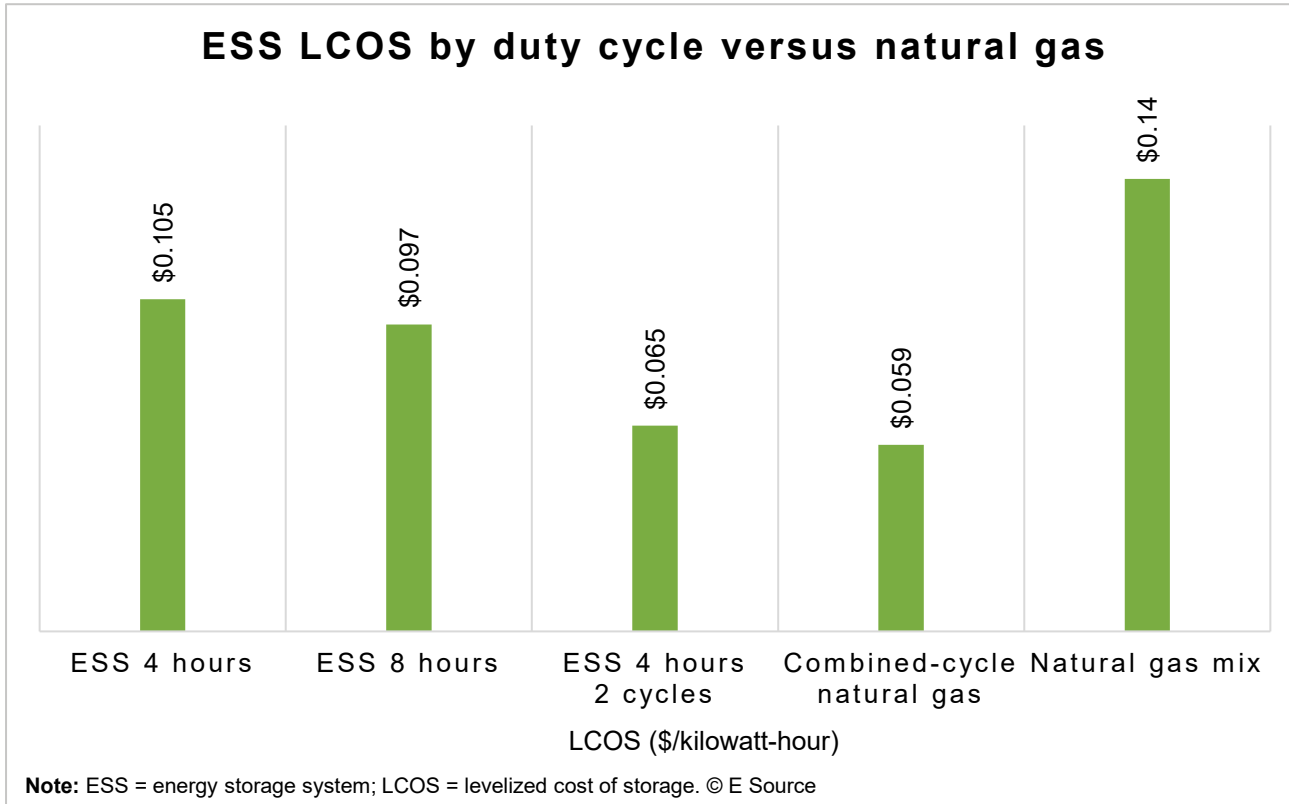




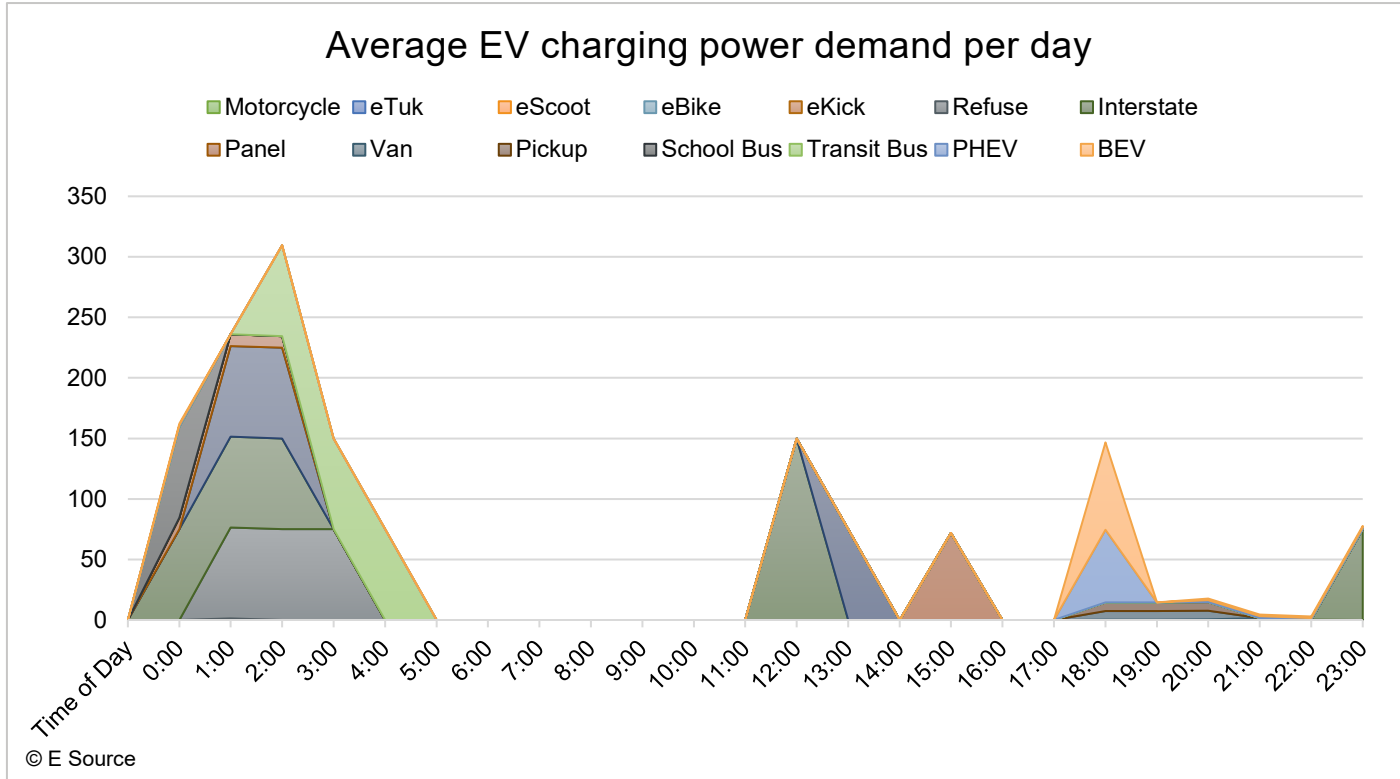
# When the grid eats a battery



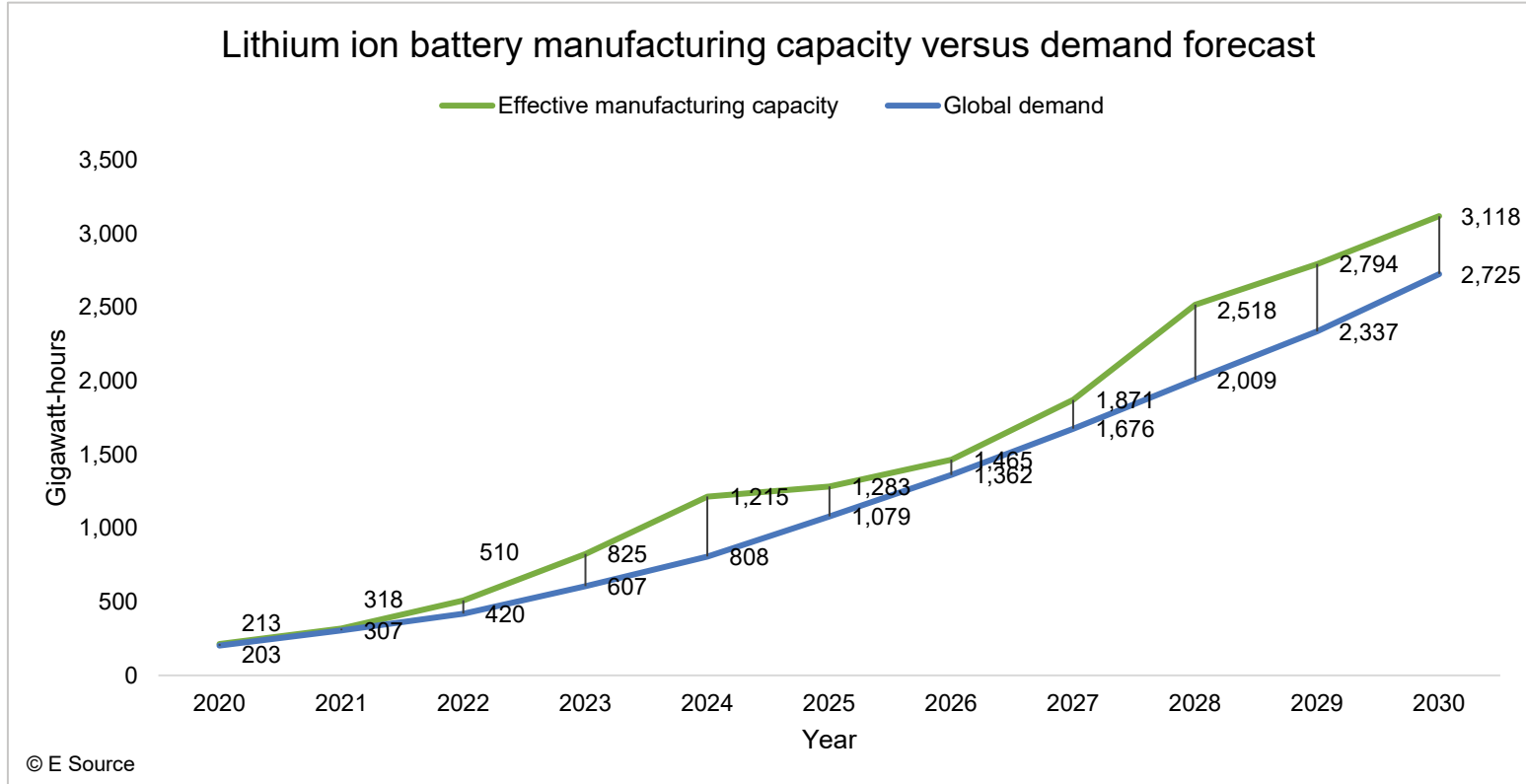
# Levelized cost of storage



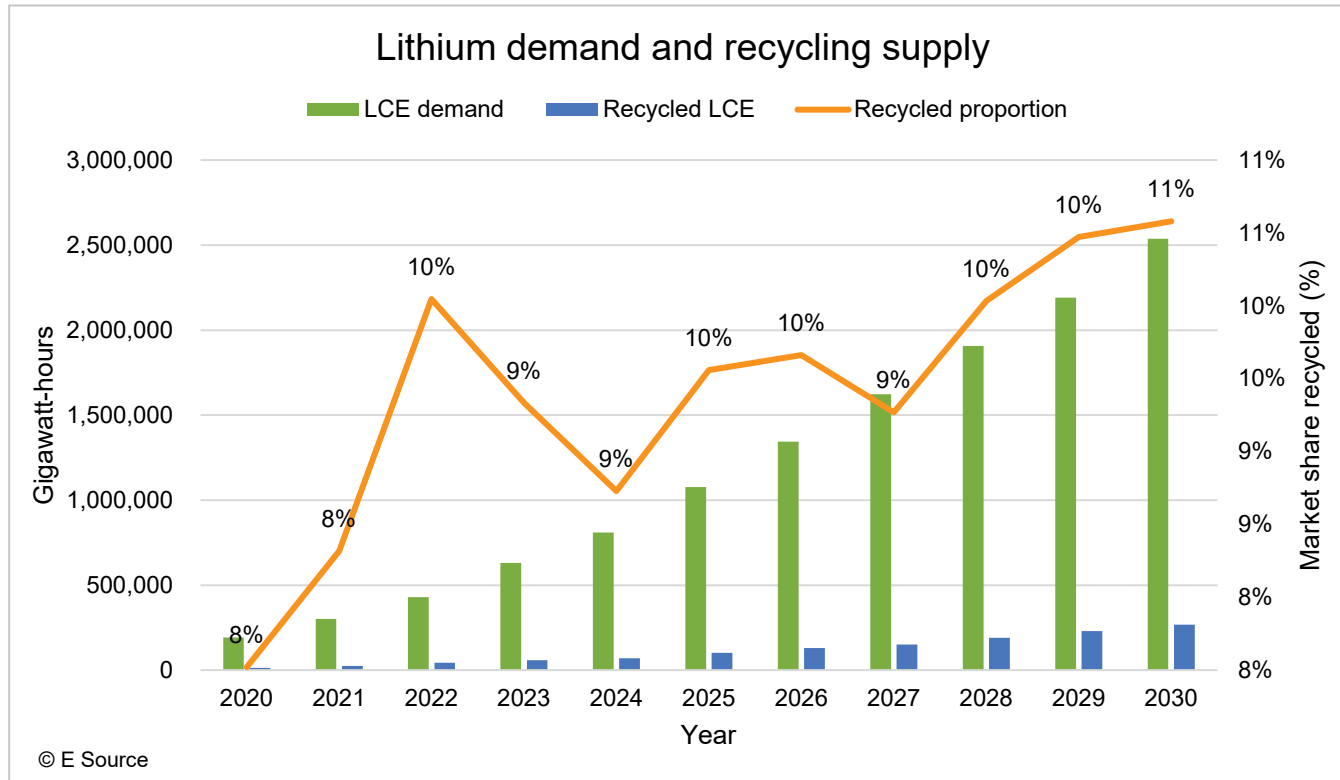
# EV charging is a challenge



# Li ion manufacturing capacity forecast

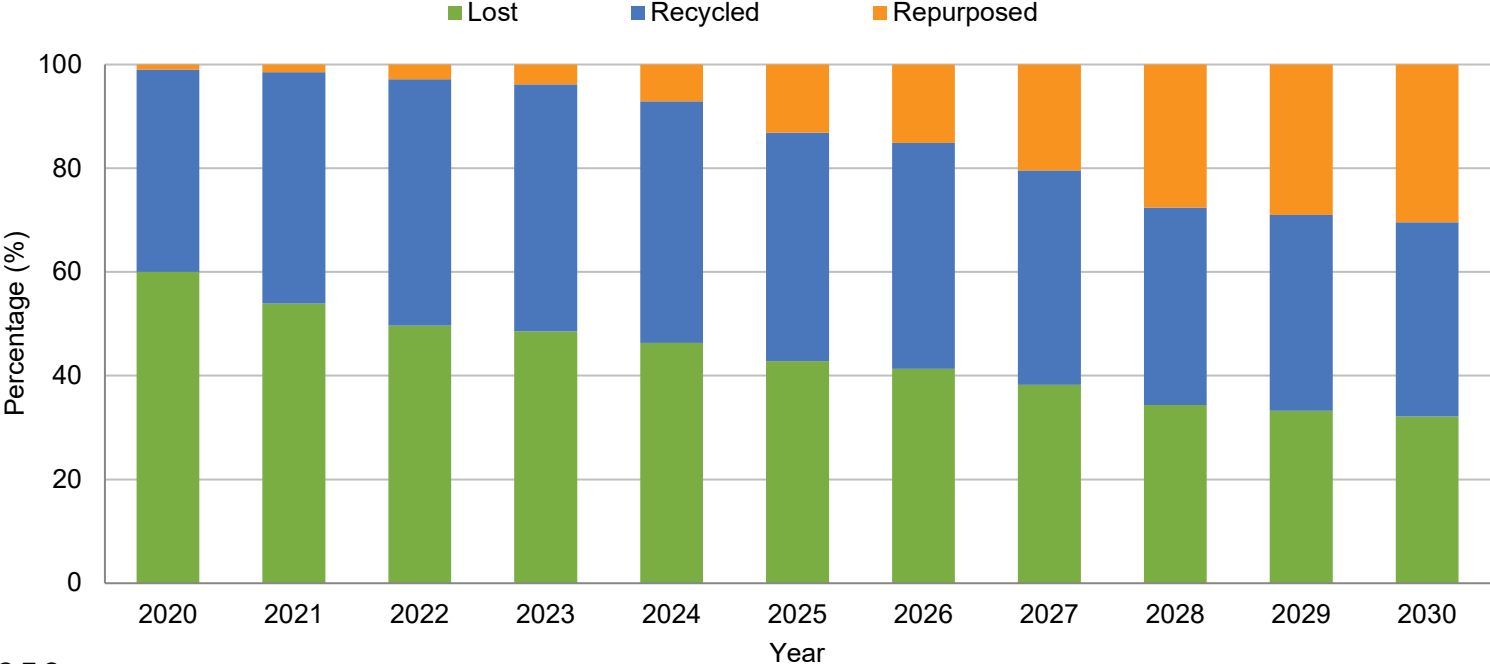


# Lithium carbonate equivalent (LCE) demand forecast



# Recycling forecast

### Global automotive battery reverse logistics



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# Want more of this data?

With the **E Source Energy Storage and Battery Forecast Advisory Service**, you can search our **database of energy storage markets**, including data on **transportation, stationary storage, and consumer electronics**.

The database includes 10-year forecasts related to **energy capacity, power capacity, and cell revenue**, as well as in-depth **pricing and installation data**.

# For more information

- Read about the latest utility battery program trends
- Learn about E Source battery storage offerings
- Schedule a time to talk with us



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