

Tracking California's Energy Transition

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Tracking CA's Energy Transition

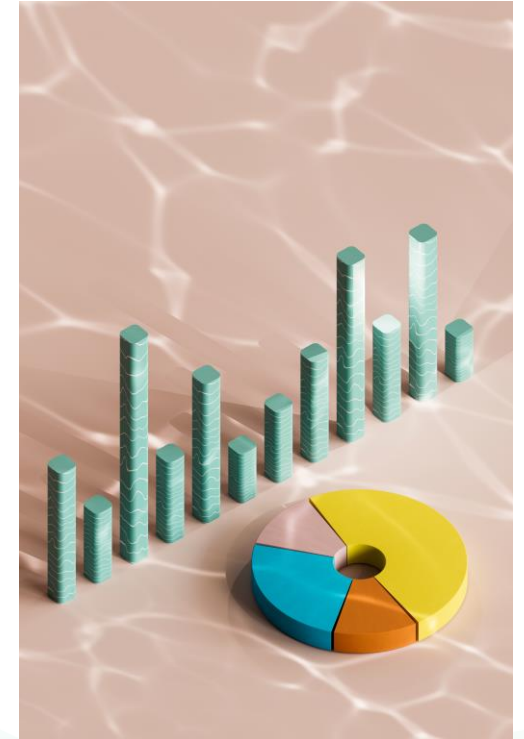
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Tracking CA's Energy Transition

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- Important to understand what goes into each stat





Tracking CA's Energy Transition

What we need to know to ensure accuracy:

- The metric / statistic
- Methodology / assumptions / limitations (e.g., CAISO territory vs. statewide)





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- Staff contact





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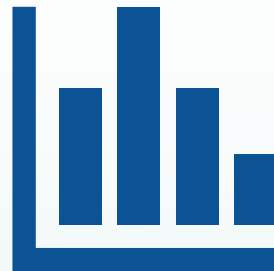
- The metric / statistic
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- Update frequency and timing
- Staff contact
- Source / citation
- Division





Internal Statistics Clearinghouse

- **Solution:** An internal platform that CEC staff, advisors, commissioners use to ensure accurate and consistent statistics are shared in a timely manner.
- Establish processes for adding new statistics and creating new citations





Documenting a new statistic: all-electric construction

Question: what percent of new buildings in California are all-electric?





Documenting a new statistic: all-electric construction

Statistic: In 2023, 80% of new line extensions were all-electric in PG&E and SDG&E territory





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- **The metric / statistic:** In 2023, 80% of new line extensions were all-electric in PG&E and SDG&E territory
- **Methodology / assumptions / limitations:** Covers new residential, commercial, mixed use line extensions. CEC staff analysis of data acquired through CPUC Decision 23-12-037, Ordering Paragraph 8, from CA investor-owned utilities (IOUs) that provide both electric service and gas service (Pacific Gas & Electric Company and San Diego Gas & Electric Company)



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- **Source / citation:** CEC blog on 2025 Building Electrification Summit
- **Division:** Efficiency Division



Pilot launching June 2025

Sector	Stat name	Stat	Source	Staff Contact	Update Frequency	Division	Methodology	Identifier
Buildings	Percent all-electric new construction	80% of all new line extension requests in 2023 by builders were electric-only in SDG&E and PG&E territory.	https://www.ca.gov	Will Vicent	Annually	ED	Data acquired through CPUC Decision 23-12-037, Ordering Paragraph 8, from CA Investor-Owned Utilities (IOUs) that provide both electric service and gas service (Pacific Gas & Electric Company and San Diego Gas & Electric Company). Includes all building types (residential, Commercial, and mixed used)	ED001
Transportation	Public and shared private EV chargers	California has surpassed 178,549 public and shared private installed EV chargers statewide, which includes 162,178 Level 2 chargers and 16,371 fast chargers.	https://www.enr.com	Thanh Lopez (Michael Nicholas)	Every 6 months (mid-March and mid-September)	FTD	Combining data from multiple sources including: federal Alternative Fuels Data Center, PlugShare DataTool, voluntary surveys to relevant stakeholders, and Clean Transportation Program grant recipient reported data.	FTD001



Discussion

- Feedback
- What statistics/metrics do you want to see included?
- What are new statistics/metrics we should be developing for the future?



Communicating key statistics to the public

While the Internal Statistics Clearinghouse will be an internal tool for CEC staff, **there is also a need to tell the story of California's energy transition to the general public**





Launching the California Energy Report

Since the retirement of the Energy Almanac highlights document in 2021, **the CEC lacks a centralized place to tell the story of the energy transition.**

- **Platform:** A website, mobile-friendly built on ArcGIS StoryMaps



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- **Platform:** A website, mobile-friendly built on ArcGIS StoryMaps
- **Audience:** General public, stakeholders, new legislative staff, reporters
- **Content:** Highlights of key energy stats and policies (e.g., statutes and E.O.s) across divisions, “dashboard of dashboards” with context / explanatory text



Example content for California Energy Report website



California Energy Report

Progress meeting our
energy sector climate goals.

California Energy Commission
May 7, 2025





Example content for California Energy Report website

[New vehicle sales](#)

[Electric Vehicle \(EV\) Chargers...](#)

[Clean Transportation Investmen...](#)

[Energy Storage](#)

[Retiring Fossil Fuel Power Pla...](#)

New vehicle sales

Zero-emission vehicles (ZEVs) made up 1 in 4 new vehicles sold in 2024.

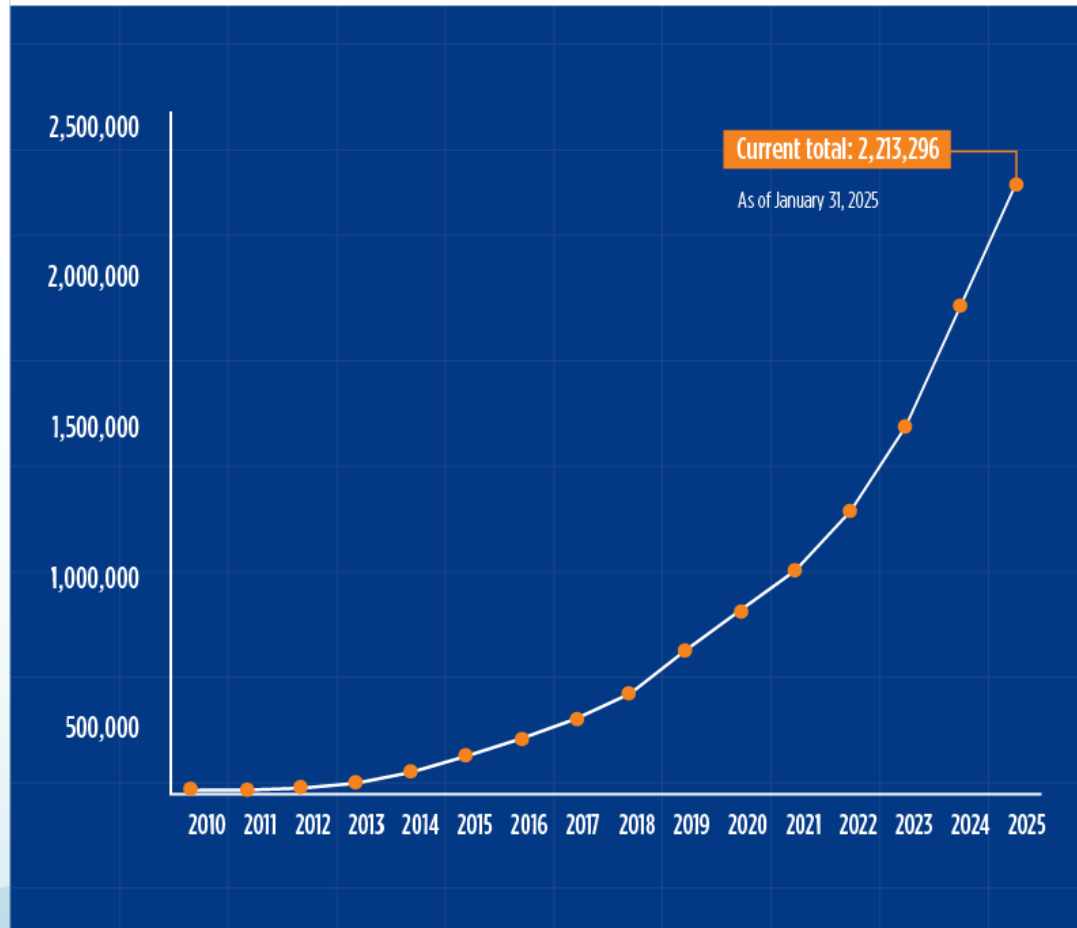




Example content for California Energy Report website



Zero-Emission Vehicle Sales in California





Example content for California Energy Report website

New vehicle sales

[Electric Vehicle \(EV\) Chargers...](#)

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Electric Vehicle (EV) Chargers

California has surpassed **178,000** public and shared private chargers installed statewide, including:

162,178 Level 2 chargers

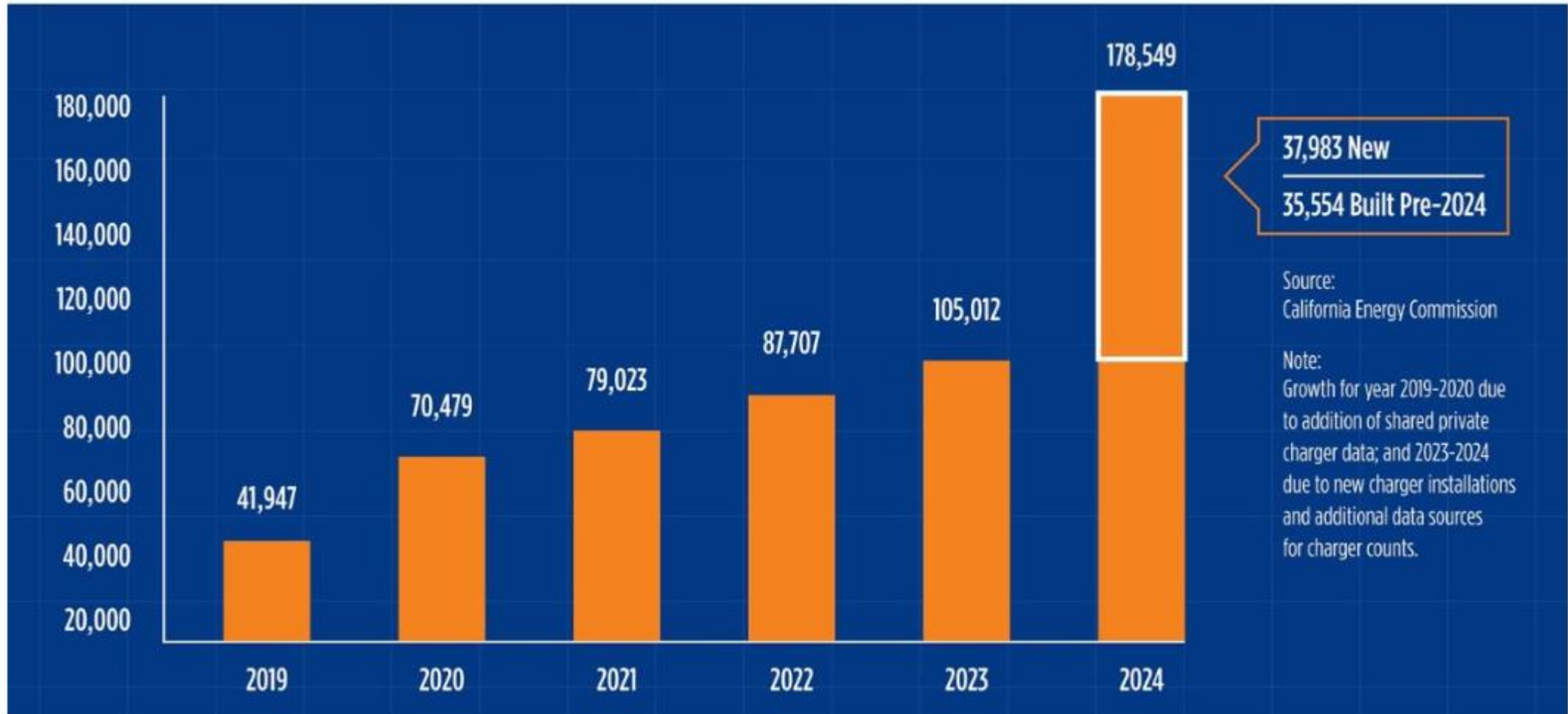
16,371 fast chargers



Example content for California Energy Report website



Electric Vehicle Chargers in California

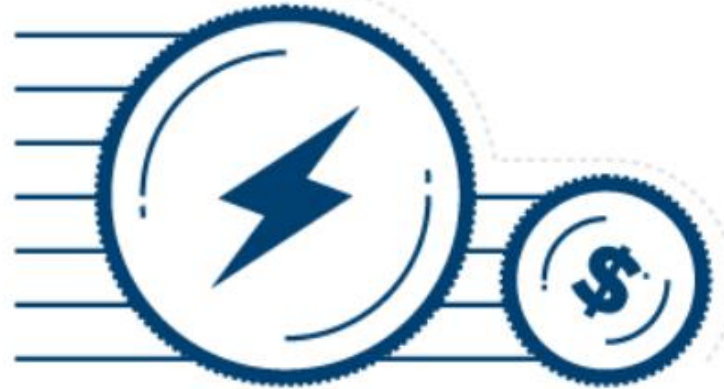




Example content for California Energy Report website

Clean Transportation Investments

\$1.4 Billion
Plan To Expand ZEV Infrastructure





Thank you + Discussion
