

California Environmental Protection Agency (CalEPA)

CalEPA oversees a variety of agencies, including CARB, which work to restore, protect and enhance California's environment. This plan focuses on non-CARB related work.

Equity: Leverage analysis tools and outreach to strategically focus agency actions on high-impact projects and policies.

CalEPA ZEV MARKET DEVELOPMENT OBJECTIVES

A. Second Life of Batteries: Lithium-ion Car Battery Recycling Advisory Group
(Advisory Group)

Key Collaborators: CalEPA, CalRecycle, DTSC, CEC, Governor's Office, UC Davis, private entities (vehicle manufacturers, battery manufacturers, recyclers, and trade organizations), and NGOs (including equity and environmental justice).

Key Results & Actions:

- i. **Assembly Bill (AB) 2832 Policy Recommendations by 4/1/2022.** Per AB 2832 (Statutes of 2017, Chapter 822) CalEPA is to submit policy recommendations (AB 2832 Report) to ensure as close to 100% as possible of electric vehicle lithium-ion batteries are reused or recycled at their end-of-life in a safe and cost-effective manner to the California State Legislature. Guiding principles will include alignment with larger environmental equity/justice goals and ZEV objectives. The AB 2832 Report is to be submitted by April 1, 2022.
 - *The Lithium-ion Car Battery Recycling Advisory Group has concluded its work for which it was established and completed its final policy recommendations to the Legislature.*
- a. **Prepare and Complete Draft AB 2832 Report.** UC Davis, under direction of CalEPA and relevant stakeholders, is to prepare and complete a draft of the AB 2832 Report for review and approval by the Advisory Group. This is to be completed by December 31, 2021.
 - *The Advisory group approved the report for public review on December 7th, 2021.*
- b. **Finalize AB 2832 Report.** By March 1, 2022, the draft AB 2832 Report is to be reviewed and finalized, taking into consideration suggested edits and comments by relevant stakeholders
 - *The public comment period was open from December 17th, 2021, to February 16th, 2022. A total of 21 public comments were received and reviewed.*
- c. **Submit Report to State Legislature.** By April 1, 2022, AB 2832 Report is to be submitted to State Legislature for consideration and use in developing any

relevant legislation.

- *The Advisory Group approved the report submission to the California Legislature on March 15th, 2022.*
- *The [final report](#) was posted to the CalEPA website on May 9, 2022.*

California Department of Toxic Substances Control (DTSC)

A. Second Life of Batteries: Continue to support the work of the Lithium-ion Car Battery Recycling Advisory Group.

Key Results & Actions:

- *Assist in editing and reviewing the AB 2832 Report to be finalized by March 1, 2022.*
 - *Phase 4 of the report development process, which took place from January 2022 to March 2022, focused on finalizing the report with recommendations. DTSC was part of the Recycling subcommittee and helped address relevant topics.*
- *Streamline permit timeline to support reuse, recycling, and repurposing or lithium-ion car batteries.*
 - *The Final AB 2832 Report includes supporting policy proposals with majority Advisory Group support. The DTSC permit application review timeline proposal to reduce cost of locating processing facilities within California had 60 percent support from the Advisory Group.*

Department of Resources Recycling and Recovery (CalRecycle)

A. Recycling: Promote and enable systems for battery and fuel cell reuse, repurposing, and recycling. Support the work of the Lithium-ion Car Battery Advisory Group.

Key Results & Actions:

- *Assist in editing and reviewing the AB 2832 Report to be finalized by March 1, 2022.*
 - *Phase 4 of the report development process, which took place from January 2022 to March 2022, focused on finalizing the report with recommendations. CalRecycle was part of the Recycling subcommittee and helped address relevant topics.*
- *Support recycling and market development of recovered materials through various incentives such as grants, loans, and technical assistance.*
 - *CalRecycle administers the Recycling Market Development Zone (RMDZ) loan program to assist recycling manufacturers with finance machinery, equipment, and ancillary costs, to site and expand in California. Over \$26 million in loans were approved for fiscal years 2021 to 2023.*

B. Biomass and Organics to Hydrogen or Electricity:

Key Results & Actions:

- *Develop systems to promote and enable the connection of waste resources to California's energy system, including in alignment with States Low Carbon*

Fuel Standard regulation.

- *CalRecycle is helping build a 21st-century organics infrastructure that will provide jobs, protect the environment, and put organic waste back to work growing food and building healthy soil.*
- *CalRecycle held California's first Circular Economy Symposium on May 17th, 2022. The symposium discussed how we plan to build California's circular remanufacturing and reuse system to make sure products used in California are recycled here in our state.*
- Continue to support the development of new or expanded organics processing facilities when funding with grants and loans.
 - *The 2022-23 Budget included \$180 million Greenhouse Gas Reduction Fund in 2022-23 to provide grants to local jurisdictions to assist in the development and implementation of organic waste infrastructure.*
- Promote and implement the SB 1383 (Statutes of 2015, Chapter 395) procurement requirements of recycled organic waste products including transportation fuels.
 - *The SB 1383 regulations went into effect on January 1, 2022. To prepare cities and counties to meet their procurement requirements, CalRecycle conducted the following:*
 - *On May 3, 2022, CalRecycle hosted a statewide webinar called, Peer Sharing: How Jurisdictions are Implementing the SB 1383 Procurement Requirements (Webinar Recording: [YouTube](#) (2:30:22) | [Transcript](#)).*
 - *Hosted six additional regional webinars that provided presentations and question and answer sessions on the edible food, procurement, and collection requirements. Recorded trainings on the SB 1383 regulatory requirements, including PowerPoint presentations with talking points available [here](#).*
 - *Released [Jurisdiction Procurement Targets](#) for jurisdictions to view their recovered organic waste product procurement target for the compliance year of 2022.*
 - *Provided assistance to jurisdictions in implementing their SB 1383 programs.*