



**TCEQ Electric Vehicle Reuse and Recycling Advisory Group
Kickoff Meeting Minutes
July 27, 2022, 9:30 AM**

***Goal:** Planning the steps towards 100% reuse and recycling of EV batteries in Texas in a safe and environmentally protective manner.*

9:30 - Participant Introductions

10:00 - Advisory Group Purpose

- Identify policy changes
- Identify recommendations for 88th Texas legislature
- Identify potential next phases

10:15 - Advisory Group Details and Discussion

Goal

Scope

- Define battery, 100% recycling, and when goal is met
- Focus on industrial / large format / high voltage batteries
- Differentiate between reuse or repurposing used batteries, and recycling or material recovery from spent batteries
- Identify responsibility/liability for used batteries
- Emphasize collection, handling, storage, transportation, and dismantling
- Tracking batteries through the lifecycle
- Capture remanufacturing role in recycling
- Consider DOT regulation interpretations, potentially next phase
- Considering smaller, consumer managed batteries - addressed under R2 and R2v3 standards, potentially next phase

Timeline

- Legislative recommendations by November/December

Objectives/Deliverables

Concerns/Roadblocks

- Identify regulations or policies that inhibit or prohibit the battery reuse or recycling market

11:30 - Next Meeting

Meeting Frequency

- Approximately monthly meetings

Guest Presenters

- Member presentations
 - Lifecycle responsibility, end of life policies
 - Li-Cycle strategies and reuse
 - EU Regulations, Global Battery Alliance battery passport
- Reuse market representative
- Chip manufacturer association
- Illustrations on battery handling, storage, transportation, and thermal events

Homework Links

- EU battery regulation:
[https://www.europarl.europa.eu/thinktank/en/document/EPRS_BRI\(2021\)689337](https://www.europarl.europa.eu/thinktank/en/document/EPRS_BRI(2021)689337)
- DOT: <https://www.phmsa.dot.gov/lithiumbatteries>
- EPA Workshop Report:
https://www.epa.gov/system/files/documents/2022-03/final_lithium-ion-battery-workshop-public-report_508web.pdf
- SERI - R2 standards, R2v3 standards:
<https://sustainableelectronics.org/>
- California EPA Li-ion Car Battery Recycling Advisory Group Final Report: https://calepa.ca.gov/wp-content/uploads/sites/6/2022/05/2022_AB-2832_Lithium-Ion-Car-Battery-Recycling-Advisory-Goup-Final-Report.pdf
- McKinsey study:
<https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/second-life-ev-batteries-the-newest-value-pool-in-energy-storage>