

**Lithium Battery Recycling
& Lifecycle Management**

WORKSHOP VIII

Day Two Welcome

Second Use Committee

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Day 2 Agenda



Availability

Transportation

Applications

Regulation

Economics

2nd Use Committee Pathway



Availability

Transportation

Applications

Regulation

Economics

Automotive Batteries 2nd Use

- Economics linked to regulation
- Evolving standards
 - Abnormal operation
 - Shock & vibration
 - Crush & penetration
 - Thermal runaway mitigation
 - 2nd use
- Self certification



SURFACE VEHICLE RECOMENDED PRACTICE	J2997™ Final DRAFT	July 17, 2025
	Issued	xxxx-xx
	Revised	xxxx-xx
	Reaffirmed	xxxx-xx
	Stabilized	xxxx-xx
	Cancelled	xxxx-xx
	Superseding Jxxxxx	Date
Vehicle Battery Management System Data Availability		

2nd Use Stationary Battery

- Evolving standards
 - Siting
 - Operation & maintenance
 - Component certification
 - Thermal runaway mitigation
 - Emergency planning
- 3rd party certification
 - International Building Code
 - International Fire Code
 - NRTL listing
 - Local code inspection

**ANSI/CAN/UL
1974:2023**

JOINT CANADA-UNITED STATES
NATIONAL STANDARD

STANDARD FOR SAFETY

Evaluation for Repurposing or
Remanufacturing Batteries



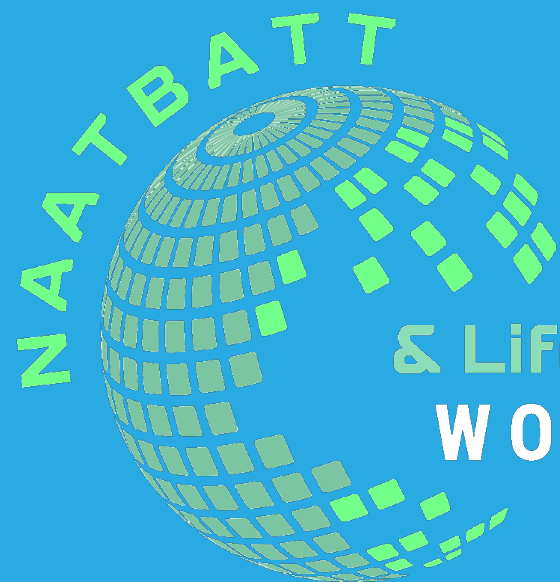
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V2G Opportunity

- Reuse complete OEM battery packs
- Coordinate OEM and Building Code requirements
 - V2G - 1st use stationary
 - Seamless transition
 - Code compliant stationary 2nd use applications
- Barriers
 - Self vs. 3rd party certification
 - Factory audits
 - Home brews
 - Slow code evolution



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ENJOY DAY
Come Help The 2nd Use Committee