Taking the Lead on Lithium-Ion Battery Recycling

Empowering Municipal Waste Management to Address Safety and Environmental Challenges

Lithium-ion batteries are an integral part of our technology-driven world, powering everything from smartphones to electric vehicles. However, their improper disposal can lead to significant safety hazards, environmental risks, and resource wastage. As waste management officials, you are at the forefront of addressing key challenges for our communities.

Key Challenges for Our Communities

Safety Risks

Lithium-ion batteries can overheat or catch on fire if crushed, leading to fires in dump trucks and waste management facilities.

Environmental Impact

Toxic materials from batteries accumulated in landfills can contaminate the soil and groundwater.

Resource Recovery

Valuable materials are lost when batteries are not properly recycled.

Make Your City Safer
A Guide to Lithium-Ion Battery Recycling

1 **Identify and Engage Key Stakeholders**
- Collaborate with your local government, waste management companies, and recycling facilities.
- Establish partnerships with retailers and electronic manufacturers.

2 **Develop and Promote Battery Recycling Programs and Infrastructure**
- Provide clear guidelines and locations for battery drop-off points.
- Promote national programs like Call2Recycle and use their resources.

3 **Educate and Mobilize the Community**
- Raise public awareness about the dangers of improper battery disposal and the benefits of recycling.
- Encourage community participation in recycling drives and initiatives.
- Advocate for legislative support for safe and efficient recycling.

Resources

MWMA Virtual Academy
Access a wealth of information on waste management and recycling best practices.

Networking Opportunities
Connect with other waste management officials and industry experts to share insights and strategies.

Electrochemical Safety Research Institute
Reach out to access our research and partner on lithium-ion battery recycling initiatives!
Visit benicetoyourdevice.org/resources
or contact us at BeNiceToYourDevice@ul.org

benicetoyourdevice.org

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BE NICE TO YOUR DEVICE
Recycle Today. Power Tomorrow.