

Member Update

Li-ion Battery Recycling Opportunities

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Northeast Hub for Battery Recycling

Terrapure is a leading lead-acid battery (“LAB”) recycler in the northeast

- Facilities in Montreal and Toronto
- 10% of North American lead production
- Developer of “LI Detector” technology → protects recycling processes from Li-ion battery fires and explosions

Lead-Acid Battery Recycling

- Lead-acid batteries are the most-recycled commercial product → 97-99% recycle rate
- North American market is underserved → net importer of lead
- Lead demand continues to grow globally at 3.4% CAGR

Ideal Setting for for Li-ion Battery Recycler

- Strong automotive manufacturing in region
- Rapidly growing Li-ion battery manufacturing presence
- Strong government support/funding to develop EV infrastructure, including recycling



Li-ion Battery Production

Solid Power	(2023)	Colorado
QuantumScape	(2024)	
SILA	Pilot	
Tesla	35	Nevada
Tesla	100	Austin, TX
Tesla	54	Freemont CA

StromVolt	5	Quebec
BritishVolt	30	Quebec
WindsorEssex Economic Dev't	?	Ontario
Lion Electric	5	Quebec
Tesla	2	Buffalo, NY
GM/LG Chem	35	Lordstown, OH
iM3NY	1	New York
Solid Energy	Pilot (2023)	Woburn, MA
Akasol	0.4	Detroit, MI
A123	0.14	Livonia, MI
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LG Chem	5	Holland, MI

Microvast	4 (c.2023)	Clarksville, TN
SK Innovation	10	Georgia
SK Innovation	12	Georgia
SAFT	1	Jacksonville, FL

Montreal Campus



- Ample on-site infrastructure
- Pre-existing sodium sulfate disposal
- 3¢/kWh hydro-electricity. Greenest grid in North America.
- 600m x 700m (0.37mi x 0.43mi)

Montreal Campus

- Terrapure is located in a favourable investment environment
- Extensive, well-established supply chain with auto wreckers
- In 3rd and 6th largest cities in North America* → high population and EV density





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