



Overview of the Draft Report of the Blue Ribbon Commission on Lithium Extraction in California



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Overview

- **Facts about Lithium**
- **Global Lithium Resources and Demand**
- **Assembly Bill 1657 (Garcia, 2020) and Formation of the Blue Ribbon Commission**
- **Summary of the Commission's Report Submitted to the CEC for Public Comment**
- **Relevancy to the Task Force**
- **Discussion**

Lithium

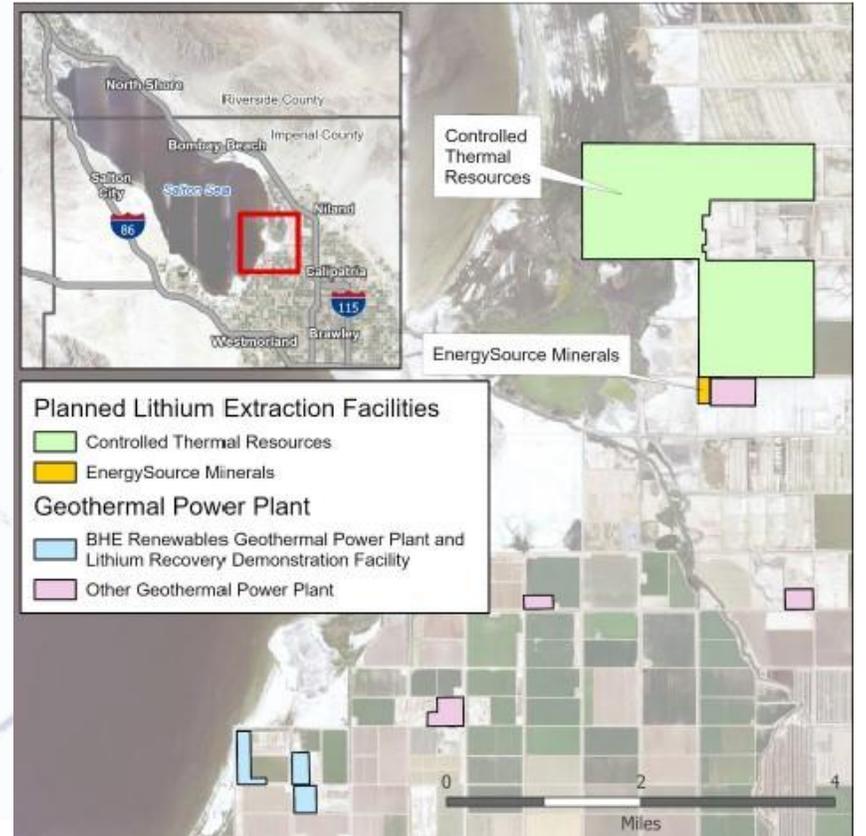


1	1	IA	2	IIA
1	1	H hydrogen 1.0079	4	Be beryllium 9.0122
2	3	Li lithium 6.941	12	Mg magnesium 24.305
3	11	Na sodium 22.990	20	Ca

Global Lithium Resources and Demand



Source : Atlassons Business Services Private Limited



The Salton Sea Known Geothermal Resource Area



Assembly Bill 1657 (Garcia, 2020)

Blue Ribbon Commission on Lithium Extraction in California



Required California Energy Commission (CEC) to convene and establish a Blue Ribbon Commission (AKA Lithium Valley Commission) on Lithium Extraction in California

- Took effect on January 1, 2021
- Advise on how the Salton Sea region could become a competitive source of lithium
- Held more than 20 public meetings
- On September 21, 2022, the Commission submitted their Draft report to CEC
- Comment period ends October 28, 2022 at 5pm

The Draft Report on Lithium Extraction in California

Compare Extraction Methods

Technical, Environmental, & Economic Challenges and Benefits

Market opportunities

Government Incentives & Investments

Energy grid reliability
resiliency

**Direct Lithium Extraction
with
geothermal facilities**

VS

Hard rock mining
Brine ponds
Evaporation process



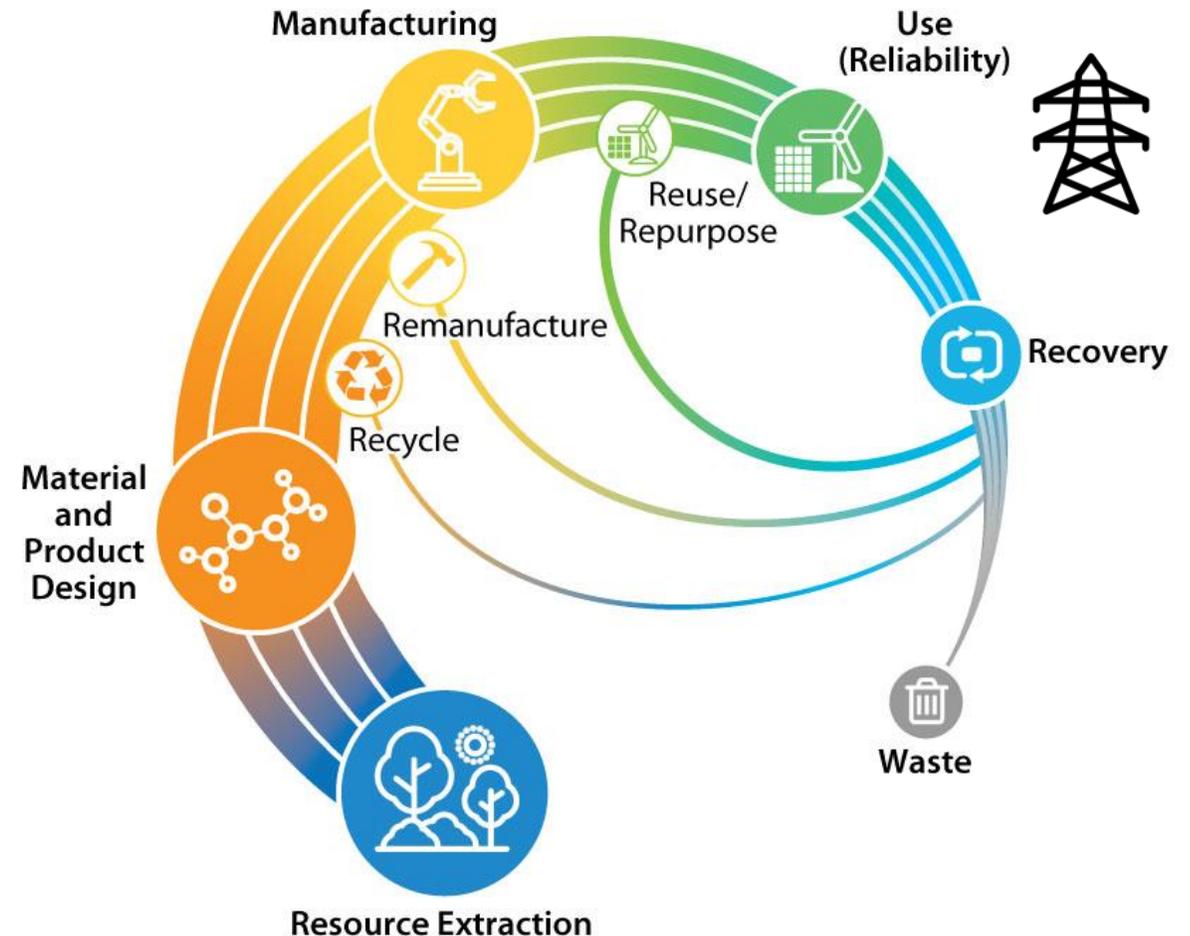
Recommendation
What legislative or
regulatory
changes are
needed to
encourage
lithium extraction
from geothermal
brines?

Commission Recommendations Relevancy to the Task Force

Development a Circular Lithium Economy

Identify and Remove Barriers to Recycling Lithium Battery Products

Investments in Renewable Energy



Recycling EV batteries Other Reports and Next Steps



March 16, 2022

**Lithium-ion Car Battery Recycling
Advisory Group Final Report**



The Life Expectancy
of EV Batteries is
10 to 20 Years



Funding for
Recycling
Programs