Lithium + Renewable Energy Powerfully Combined

Sustainable, High-Value U.S. Critical Minerals and Power Production
Secure U.S. Clean Energy Campus

Introducing the world’s largest and most sustainable lithium and power production hub where lithium, additional critical minerals, and REEs are recovered and processed in one location.

Battery materials, manufacturing, and recycling facilities can be co-located on site - all powered by clean, firm renewable energy.

One location, many solutions

- Reduce domestic battery supply chain risk
- Increase national clean energy security
- Support massive carbon emission reductions
- Stabilize rising EV battery-pack costs
- Create thousands of new jobs
- Attract new industry and capital investment
- Secure domestic lithium for ~4-5 million EVs per year

Capital Investment & Jobs Potential

Capital Investment - $28 billion
- CTR all stages - $15 billion
- Battery Hub 1 - $9.5 billion
- Battery Hub 2 - $3.5 billion

Jobs - 8,400
- CTR all stages - 1,400
- Battery Hub 1 - 4,500
- Battery Hub 2 - 2,500
Getting it done
CTR completed its Stage 1 drilling and resource verification program, commenced its optimization program on site, and achieved efficient lithium recovery in real-time from its live geothermal brine resource.

- Definitive Lithium Supply Agreements signed with General Motors and Stellantis
- Stage 1 construction commencement – July 2023
- Production of 50 MW power and 25,000 tonnes lithium hydroxide expected in 2024
- Scale-up of multiple project stages is urgently required to meet auto industry demand

Creating local, clean energy jobs

<table>
<thead>
<tr>
<th>Direct CTR Project Jobs*</th>
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<tbody>
<tr>
<td>2024 - 2025</td>
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<tr>
<td>220</td>
</tr>
<tr>
<td>2026 - 2027</td>
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<tr>
<td>940</td>
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<tr>
<td>2028 - 2030</td>
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<tr>
<td>1,400</td>
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<tr>
<td>Total anticipated project, construction, and ancillary jobs at full operating capacity*</td>
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<tr>
<td>4,000+</td>
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95%+ Workforce Local to Imperial County

Global leadership in the United States

- Set new benchmarks for sustainable EV materials and battery production
- Advance national supply chain security
- Build on active bipartisan support
- Secure backing from environmental organizations for sustainable minerals recovery and processing
- Achieve domestic lithium capacity to support President Biden's mandate of 50% EV sales by 2030

The value of supporting a U.S. battery supply chain

<table>
<thead>
<tr>
<th>Battery Hub 1</th>
<th>Battery Hub 2</th>
<th>CTR</th>
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</thead>
<tbody>
<tr>
<td>pCAM/CAM</td>
<td>Cell Manufacturing</td>
<td>All Stages</td>
</tr>
<tr>
<td>Cathode/Anode</td>
<td>Recycling</td>
<td>Power 1,100 MW</td>
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<tr>
<td>Cell Manufacturing</td>
<td>Recycling</td>
<td>Lithium 300,000 tpa</td>
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<tr>
<td>Investment</td>
<td>Investment</td>
<td>Investment</td>
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<tr>
<td>~$9.5 billion</td>
<td>~$3.5 billion</td>
<td>~$15 billion</td>
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<tr>
<td>Jobs</td>
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<td>~4,500</td>
<td>~2,500</td>
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</tbody>
</table>

Investment ~$28 billion
Jobs ~8,400

*Estimates based on comparative operations and co-location potential
*Cumulative job growth estimates across all project stages. Anticipated dates subject to permitting and construction timelines
Source: Imperial Valley Economic Development Corporation – Hell’s Kitchen Lithium and Power Economic Impact Analysis 2020
**Cleaner, faster, efficient lithium production**

- Minimal physical footprint
- No open-pit mining or evaporation ponds
- No tailings or overseas processing
- Fully integrated onsite process
- Powered by renewable energy and steam
- Near-zero CO₂ emissions

**Massive CO₂ and gasoline reductions**

**Hell's Kitchen Stage 1**
- 415,000 EV batteries
- Annual Reduction:
  - 162 million gallons gasoline
  - 1.9 million CO₂t tailpipe emissions
  - 355,000 CO₂t using sustainable lithium

**Hell's Kitchen All Stages**
- 5,000,000 EV batteries
- Annual Reduction:
  - 1.95 billion gallons gasoline
  - 23 million CO₂t tailpipe emissions
  - 4.3 million CO₂t using sustainable lithium

- Total Salton Sea lithium resource estimated at 600,000 tonnes per annum*

* NREL Report - May 2021 Techno-Economic Analysis of Lithium Extraction from Geothermal Brines

**Lithium Cumulative Production**
- 2024 - 2025
  - 25,000 tpa
- 2025 - 2026
  - 75,000 tpa
- 2026 - 2027
  - 150,000 tpa
- 2028 - 2030
  - 300,000+ tpa

**Estimates:**
- Average 60kg LCE per standard EV passenger vehicle
- DOE average 391 gallons gasoline usage per vehicle per annum
- Average 4.6 tons CO₂t tailpipe emissions per vehicle per annum
- Compared to 14.7 CO₂t emissions per metric ton lithium - Australian spodumene/Chinese conversion
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