

Residential Lead Cleanup

DTSC continues to clean up residential properties in the neighborhoods near the former Exide battery recycling facility in Vernon. We have prioritized homes, schools, parks and daycare centers for cleanup based on sampling results.

As of September 18, 2020, DTSC has sampled over 8,555 parcels where access was granted and cleaned up total 1,964 parcels. Residential cleanup involves removing lead-contaminated soil from the most-impacted properties and those where people's risk of exposure is greatest. DTSC developed an [interactive map](#) that tracks the cleanup by parcel and provides soil sampling results for the neighborhoods of Bell, Boyle Heights, Commerce, East Los Angeles, Huntington Park, Maywood, and Vernon.

In developing the Cleanup Plan ([July 2017](#)), DTSC worked with and listened to the public in affected communities, local and federal government officials, public health officials, cleanup experts for other lead-impacted residential properties located across the country, and others in implementing protections for people in these communities.

DTSC has also continued to track our progress against similar **Residential Lead Cleanup Projects** in the United States.

- Four major residential cleanup projects in the United States are similar in scope:
 1. Exide Technologies, Vernon, California
 2. Omaha Lead, Omaha, Nebraska
 3. NL Industries, Granite City, Illinois
 4. Price Battery, Berks County, Pennsylvania
- Project Scope:
 - Contamination from lead smelters in the area
 - Cleanup of Residential properties
- Major differences:
 - **Total properties:** Exide is second largest, Omaha has largest number of properties.
 - **Project Duration:** Exide project is ongoing
 - **Cleanup Standard:** Exide being the lowest at 80 parts per million.
 - **Cleanup Rate:** Exide project's cleanup rate as of August 31, 2020 was 24.1 properties per month from the start of the project in 2014, that is lower than Omaha lead which occurred over a 15-year period. In the last 27-

Exide Residential Cleanup: Lead Cleanup Projects Comparison

September 24, 2020

month period (June 2019 to August 2020) 1,598 properties have been cleaned up at an average of ~59 properties per month. .

- **Project Timeline:**
 - First six years: Exide's cleanup rate during the first 6 years was ~21 properties per month, which is well above Omaha's 8.8 properties per month during the same period
 - At Year 7: Exide cleanup project has cleaned almost twice the number of properties than the next closest project (Omaha)
 - Ongoing: This trend is anticipated to continue to June 2021 with the current funding to cleanup up to 3,200 properties
- **Project Labor Agreement:** DTSC negotiated Project Labor Agreements (PLA) - a pre-hire collective bargaining agreement with Los Angeles/Orange County Building Trades Council for the Exide Project. None of the other three projects included this aspect to their cleanup process.
- **Local Workforce Development:** As part of the Workforce for Environmental Restoration in Communities (WERC) Program, 72 local community members received training on environmental restoration and were employed by contractor working on the Exide Project. None of the other three projects included this aspect to their cleanup process.

Residential Lead Cleanup Projects Comparison

Comparison Items	Exide Technologies Vernon, CA	Omaha Lead Omaha, NE	NL Industries Granite City, IL	Price Battery Berks County, PA
Cleanup Standard (parts per million)	80	400	500	572
Site Boundary (square miles)	9	27	12.5	1.2
Total Properties in Cleanup Area	10,158	40,073	1,600	603
Total Properties Cleaned (Exide still in progress)	1,929	13,090*	1,505*	555
Project Start	2014	1998	1985	2002
Project Completion	In Progress	2015	2000	2013
Total Project Time to Date (Months)	80	192	180	120
Average Properties Completed per Month	24.1	63.5	8.4	4.6
Average Properties Completed per Month (First 6 Years)	20.9	8.8	0.0	3.5
Blood Lead Testing	✓**	No	✓	No
Exterior Lead Based Paint Testing	✓	✓	✓	No
Interior Cleaning Offered	✓	✓	No	No
Project Labor Agreement and Local Workforce Development	✓	No	No	No
Soil Excavation and Restoration up to 18 inches	✓	✓	No	✓

Exide Residential Cleanup: Lead Cleanup Projects Comparison

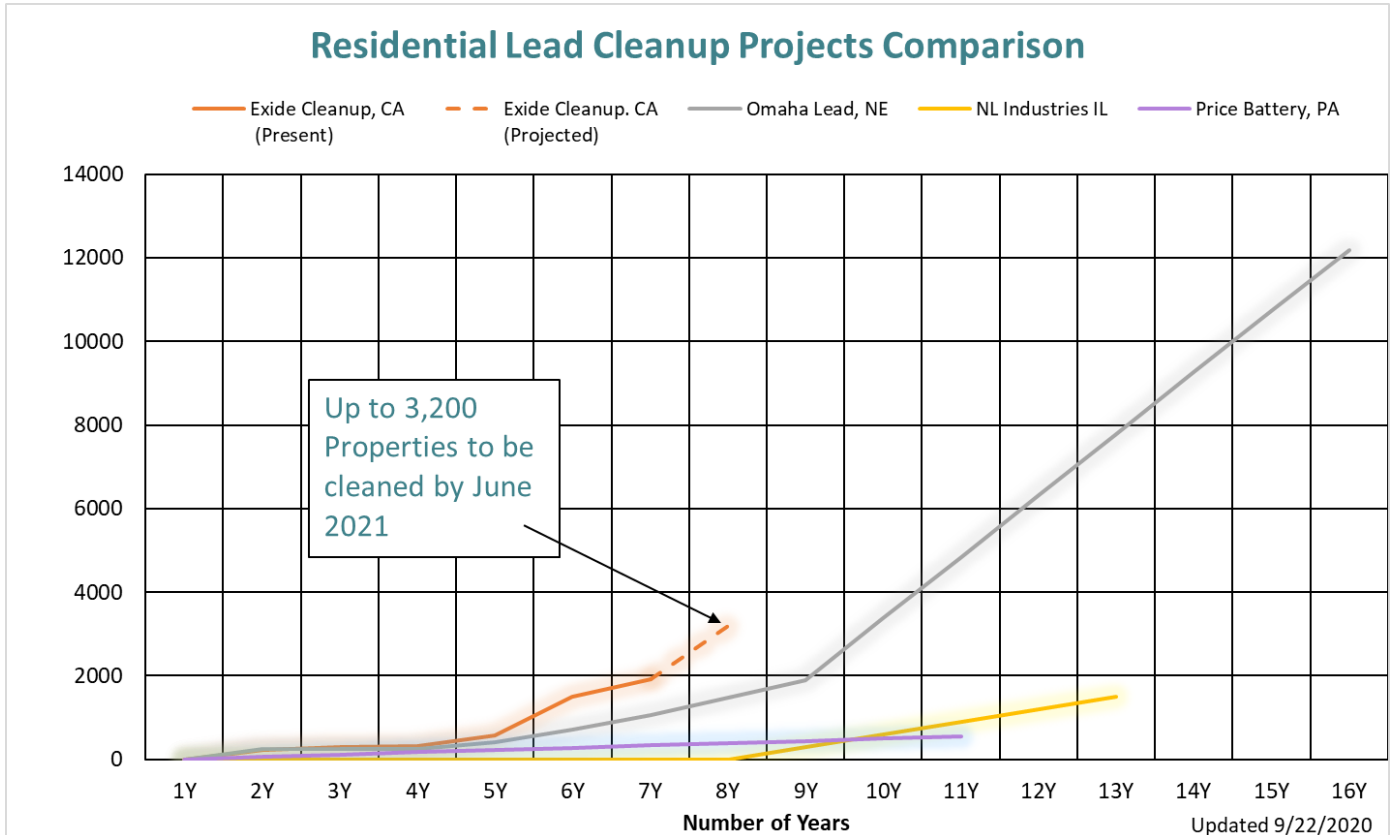
September 24, 2020

*Each property was divided into quadrants. Only quadrants over the cleanup standard (PPM) were remediated

** Work completed through Los Angeles County
Exide figures updated as of August 31, 2020

Comparison information obtained from US EPA Superfund website:

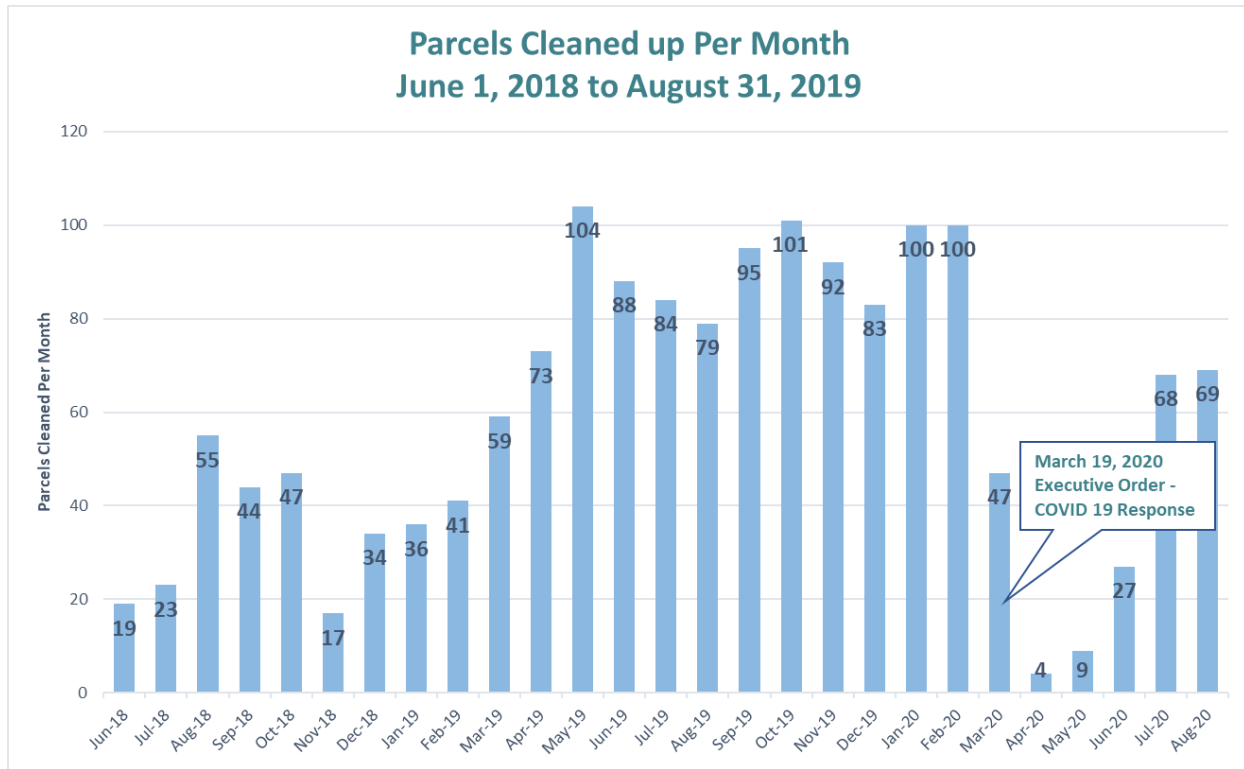
(<https://www.epa.gov/superfund/superfund-national-priorities-list-npl>).



Exide Residential Cleanup: Lead Cleanup Projects Comparison

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Cleanups completed per month by DTSC under the approved Cleanup Plan (July 2017):



- June 2018: Exide Residential cleanups were initiated under the approved Cleanup Plan (July 2017) with one contractor
- January 2019: Second contractor was added, and the cleanup rate increased
- May 2019 through February 2020: Average 80 to 100 properties were cleaned up per month
- March 2020: Cleanups were temporarily halted due to COVID-19.
- May 2020: Cleanups resumed under updated COVID-19 Protocols.

Prior to cleanups being halted due to COVID-19, DTSC cleaned up 1,376 properties at an average of approximately 65 properties per month, *above the Omaha Lead cleanup average rate of 63 properties per month.*