

**Community Protection &
Hazardous Waste Reduction
Initiative**

CPHWR Initiative Overview

Goals for the Initiative

- Reduce hazardous wastes that are generated, treated, and disposed in significant quantities in California
- Identify hazardous wastes generated in California that can pose substantial risks or hazards to human health or the environment
- Identify hazardous wastes that are generated, treated, or disposed in California communities that are disproportionately burdened by multiple sources of pollution

CPHWR Initiative Overview

Goals for the Initiative

Q. *How will we pursue these goals?*

A. **Begin by developing up to 3 pilot-scale projects**

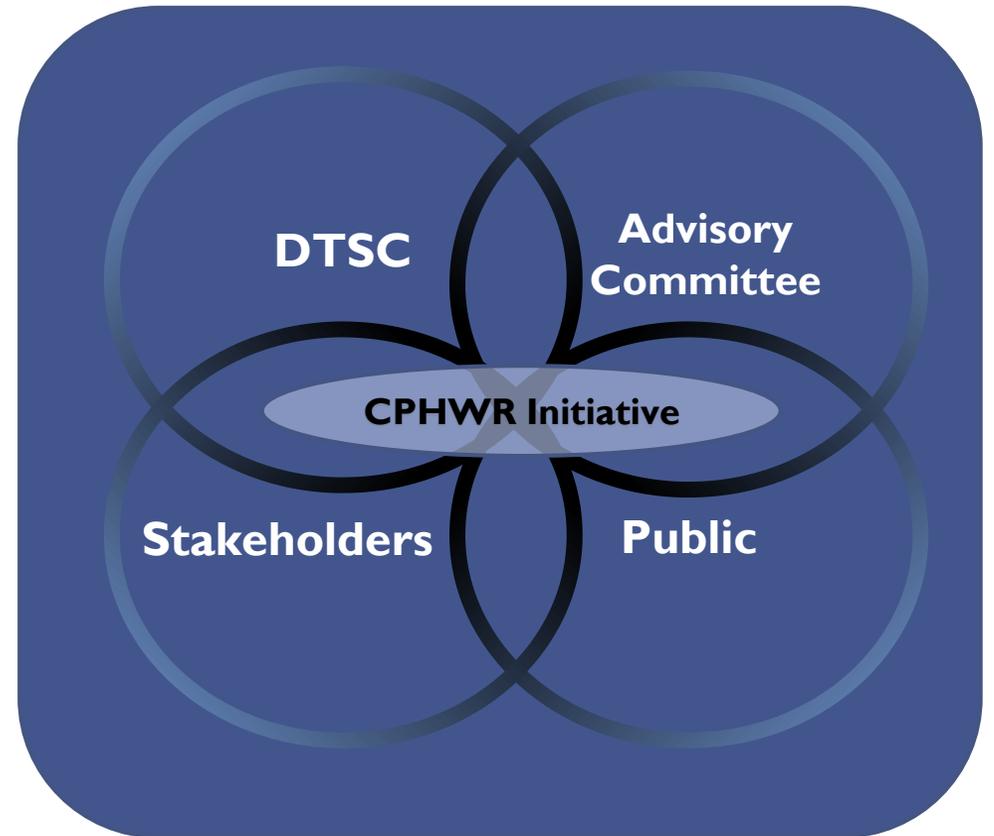
Q. *How will these pilot-scale projects be selected?*

A. **Collaboratively**

CPHWR Initiative Overview

Collaborative Effort Between

- DTSC
- Advisory committee
- Business, community and government stakeholders
- Public



CPHWR Initiative Overview

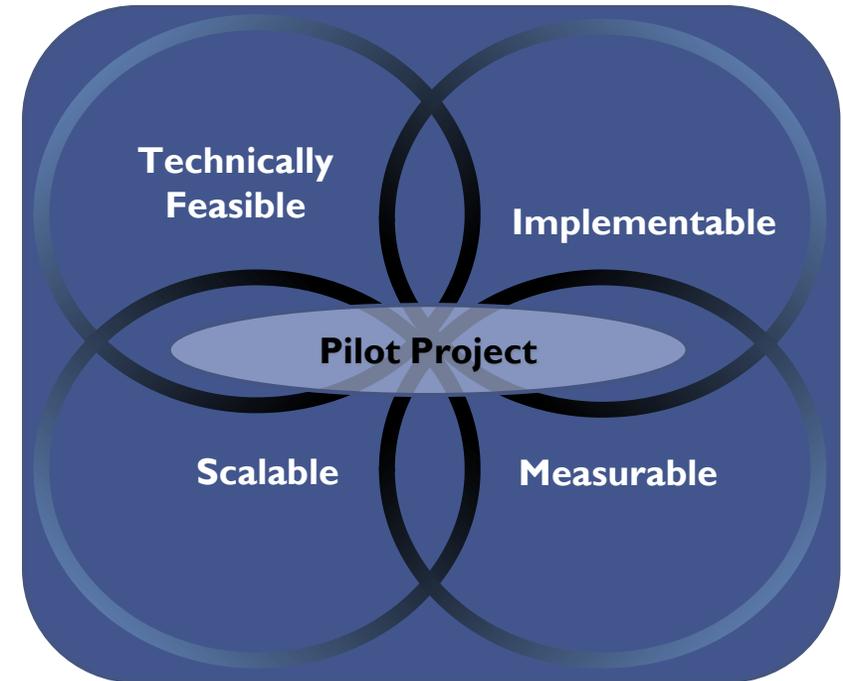
Pilot Project Selection

What makes a good pilot project?

CPHWR Initiative Overview

Pilot Projects **MUST** be

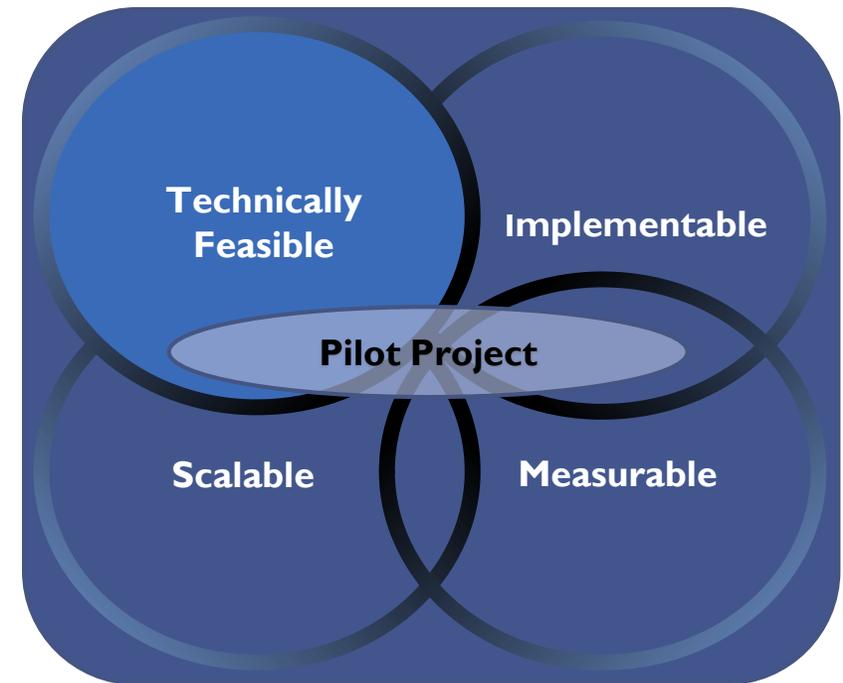
- Technically feasible
- Implementable
- Scalable
- Measurable



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Technically Feasible

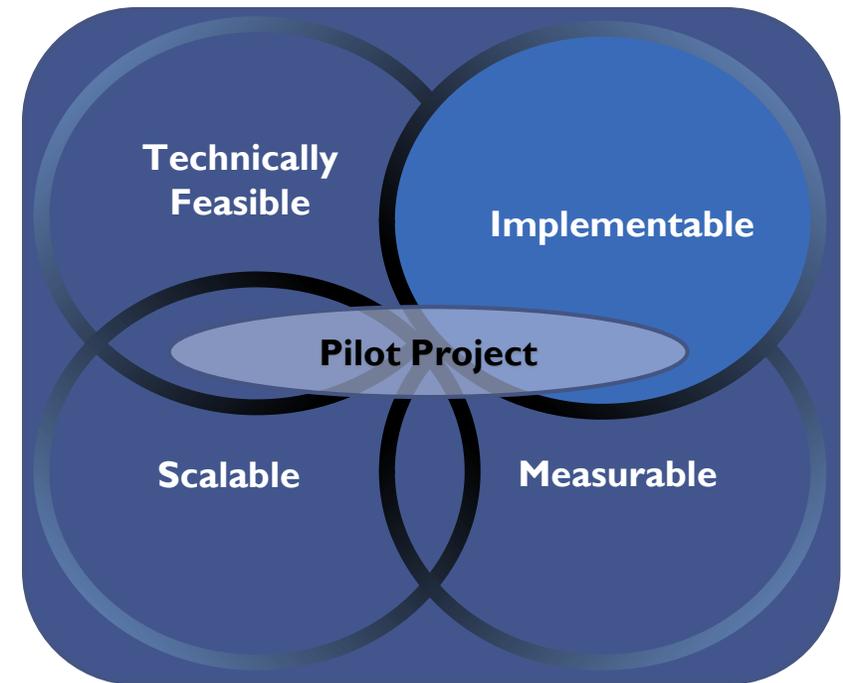
- Uses existing technology
- Uses accepted methodology
- Has been shown to be effective



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Implementable

- Implemented within available timeframe
- Implemented within existing frameworks

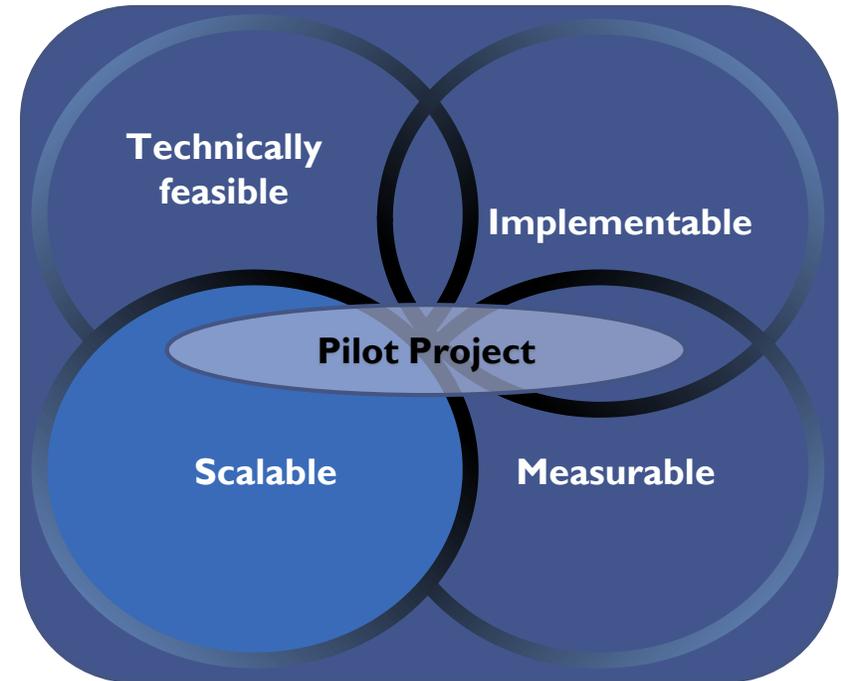


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Scalable

Can the project be scaled-up to work at other:

- Facilities within an industry
- Industries within California
- Communities within California



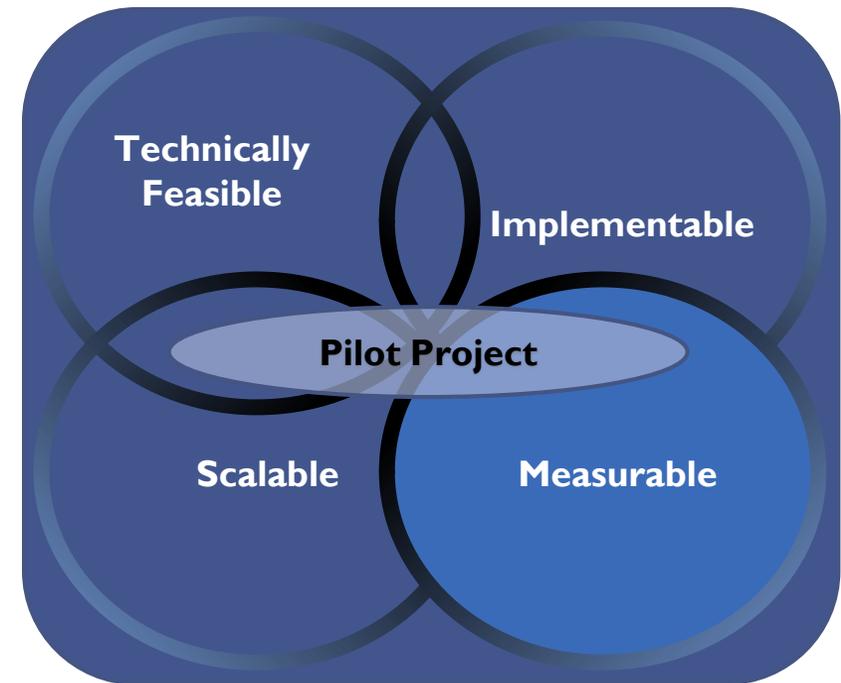
CPHWR Initiative Overview

Measurable

If project does not have measurable metrics, success cannot be measured

- *Reductions in generation*
- *Reductions in land disposal*
- *Reductions in community impacts*

May require development of baseline



CPHWR Initiative Overview

Pilot Projects **SHOULD** also Include Some of the Following Elements:

Source reduction

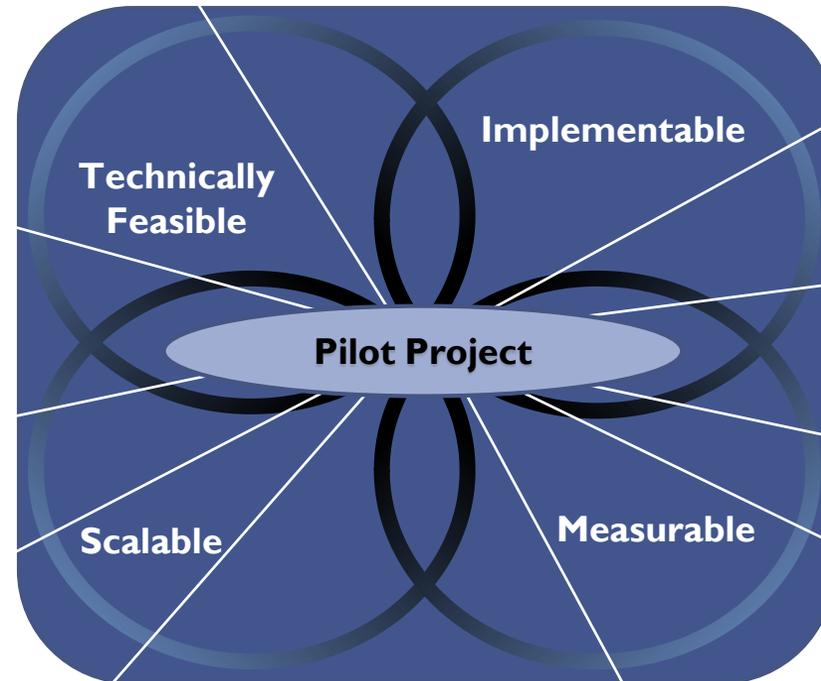
Benefits impacted communities

Avoids land disposal

Permanent

Reduces high volume waste

Reduces high toxicity waste



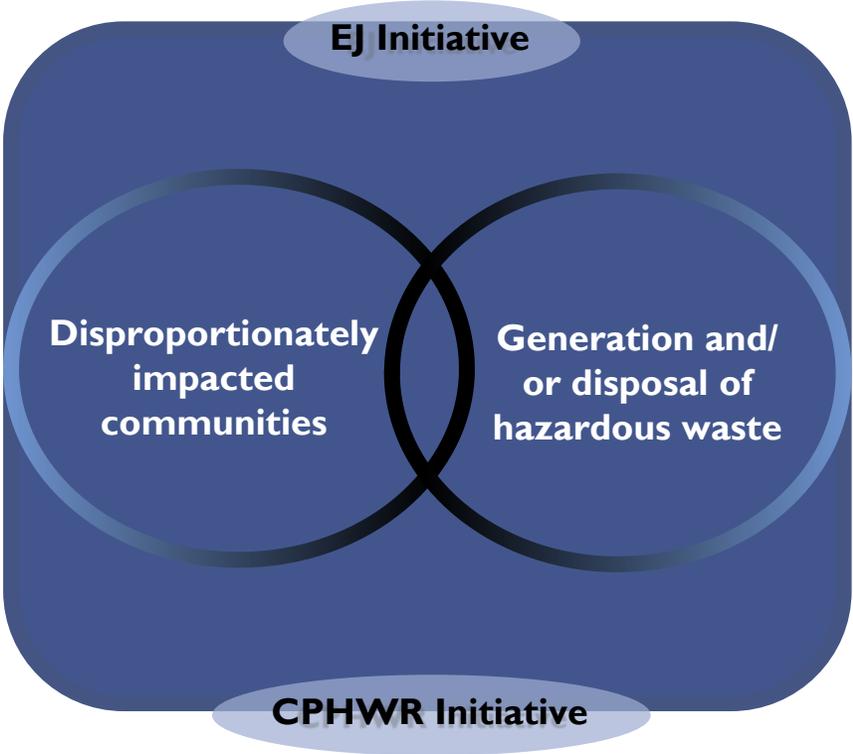
Impacts to other media

Short term reductions

Long term reductions

Return on investments

CPHWR Initiative Overview



CPHWR Initiative Overview

Cal Enviroscreen

Disproportionately impacted communities

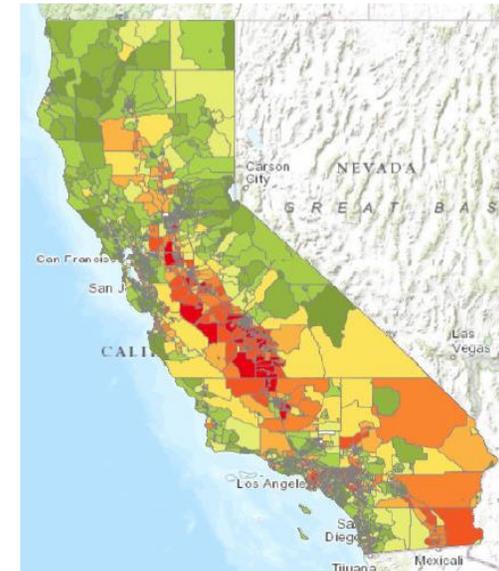
Generation and/or disposal of hazardous waste

- TRI
- HWTS
- BRS
- CERS

Database Overview

Cal Enviroscreen

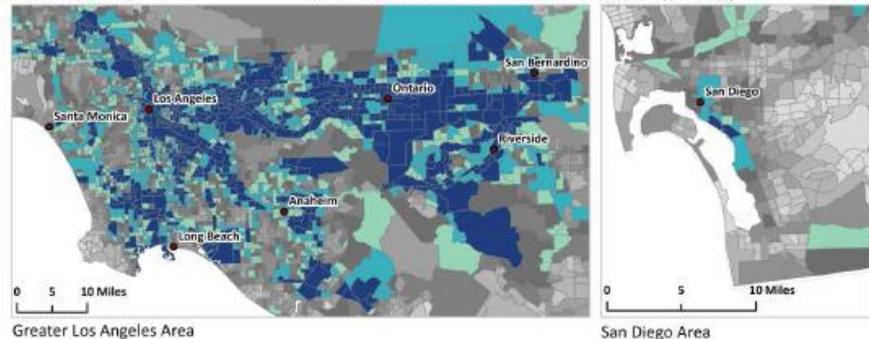
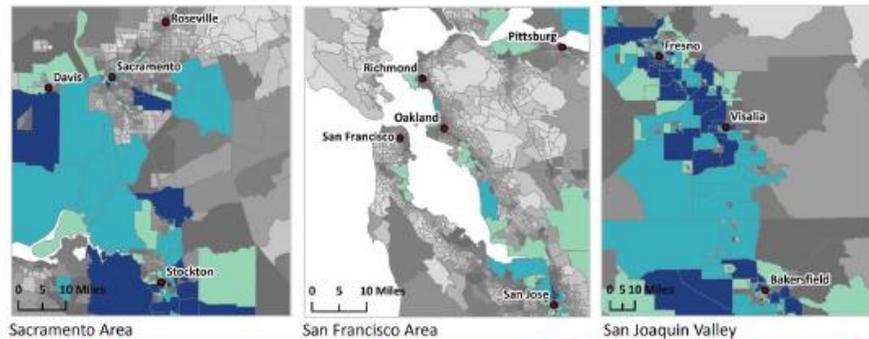
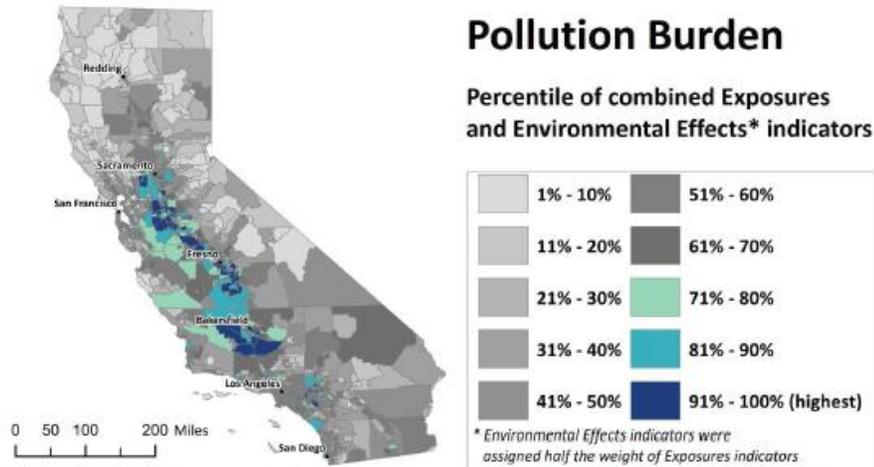
- Maintained by CalEPA's OEHHA
- Data is from multiple state and federal agencies
- Enviroscreen Scores identify communities disproportionately burdened by multiple sources of pollution
- Enviroscreen Scores are based on **Pollution Burden** and **Population Characteristics**
- The Enviroscreen Score is a relative, not absolute, measure of impact
- Last updated in October 2014



Database Overview

Cal Enviroscreen

Pollution Burden



Exposures – Ozone; PM 2.5; Diesel particulates; Pesticide use; Toxic releases; Traffic density; Drinking water contaminants

Environmental Effects – Toxic cleanup sites; GW threats; HW facilities/generators; Impaired water bodies; Solid waste sites/facilities

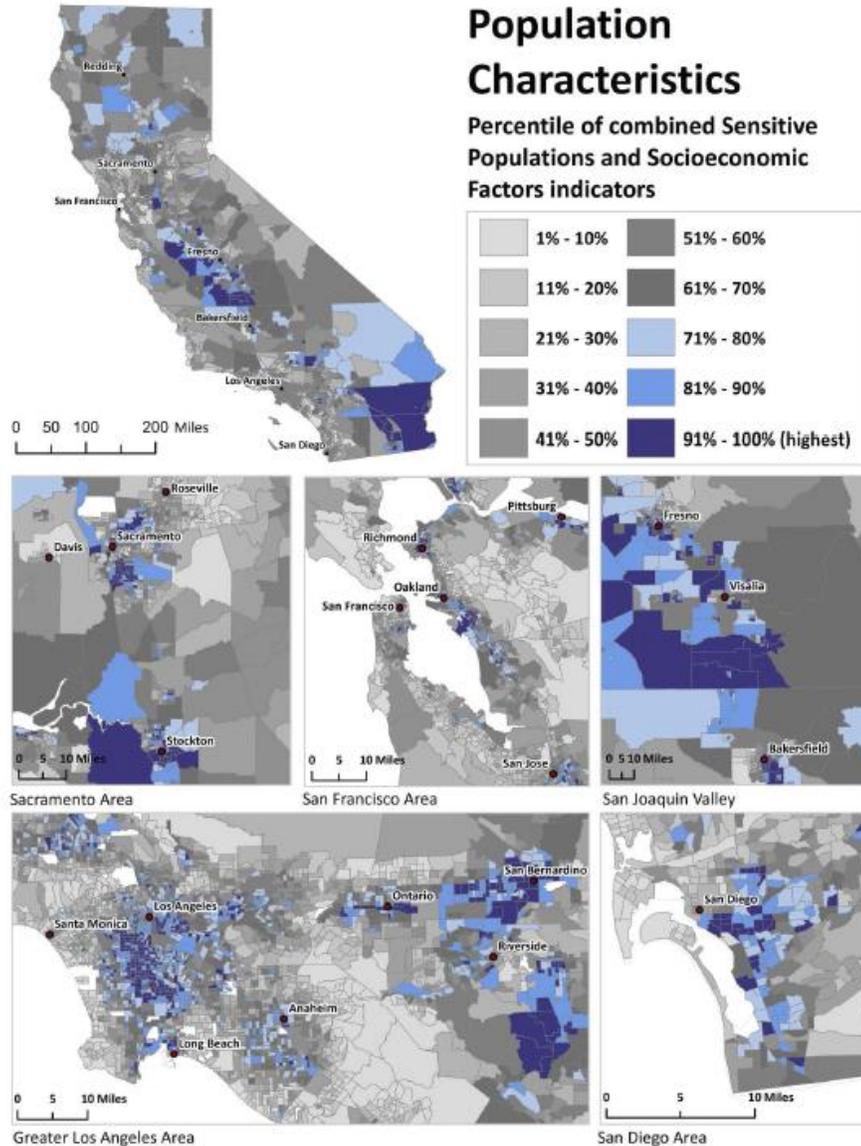
Database Overview

Cal Enviroscreen

Population Characteristics

Sensitive Populations – Children & elderly;
Asthma emergency visits;
Low birth-weight infants

Socioeconomic Factors – Education attainment;
Linguistic isolation; Poverty;
Unemployment



Database Overview

Toxic Release Inventory (TRI)

- One of multiple databases maintained by U.S. EPA under their Envirofacts site
- Tracks information of how much of certain chemicals are: recycled, combusted, treated, disposed, or released on- and off-site
- Reporting is only required for specific CAS numbers and specific industries (or federally owned or operated)
- Reported annually since 1987

Find TRI Factsheets for Your Community

Search by: States Metropolitan Areas Watersheds Tribal

Search: State: or Zip Code: City: (Optional) County: (Optional)

States - Total Releases

- > 150 million lb
- 35 million - 150 million lb
- 500,000 - 35 million lb
- < 500,000 lb

Note: Search results will display location-specific data based on facilities that reported to the TRI Program in 2014. Data are current as of November 2015.

[Use the interactive version of this map.](#)

Find TRI Facilities

Street

City

State

Zip

Note: Search results will display facilities that reported to the TRI Program in 2014. Data are current as of October 2015. Search uses the myRTK tool.

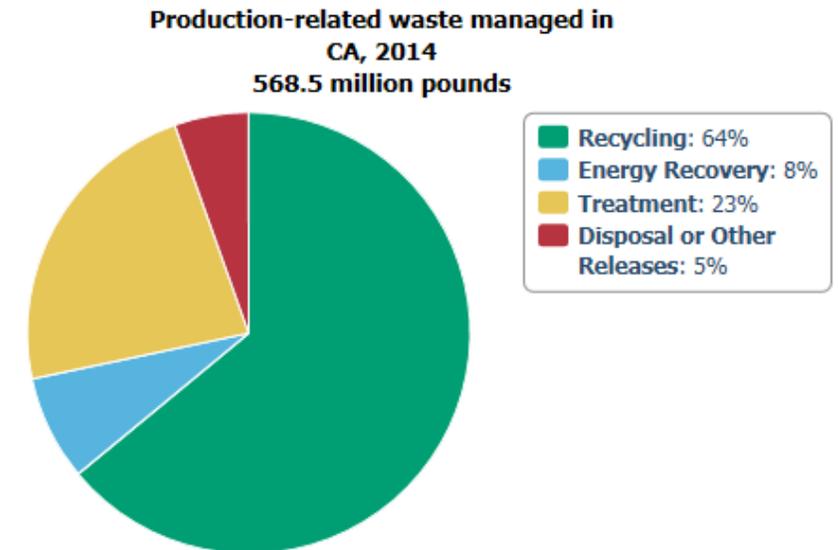
 **Get email alerts**
Enter your email

Database Overview

Toxic Release Inventory (TRI)

California Statistics for 2014

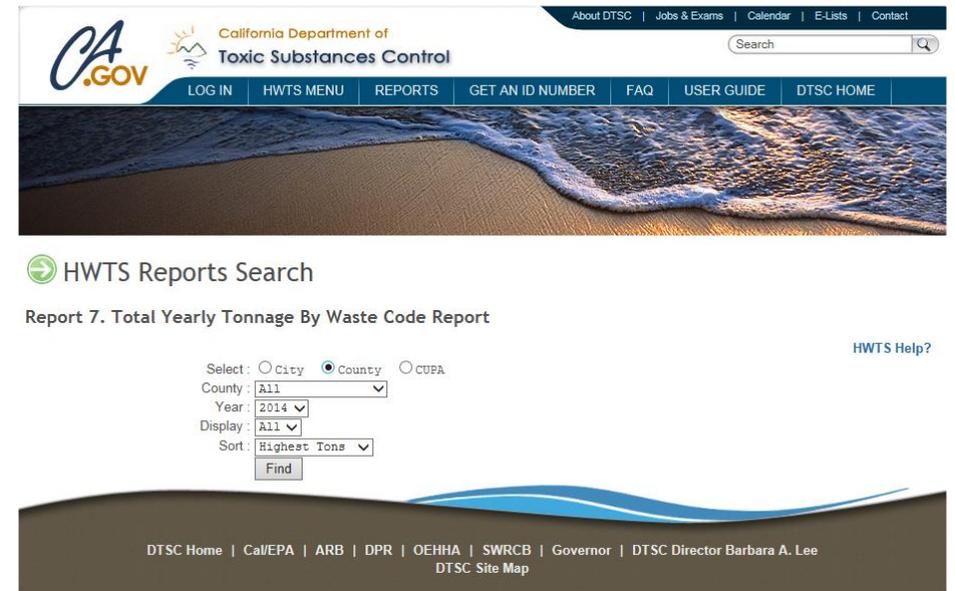
- 1,277 TRI facilities
- 8.4 million pounds released to on-site air
- 2.9 million pounds released to on-site water
- 11.9 million pounds released to on-site land
- 4.4 million pounds transferred off-site



Database Overview

Hazardous Waste Tracking System (HWTS)

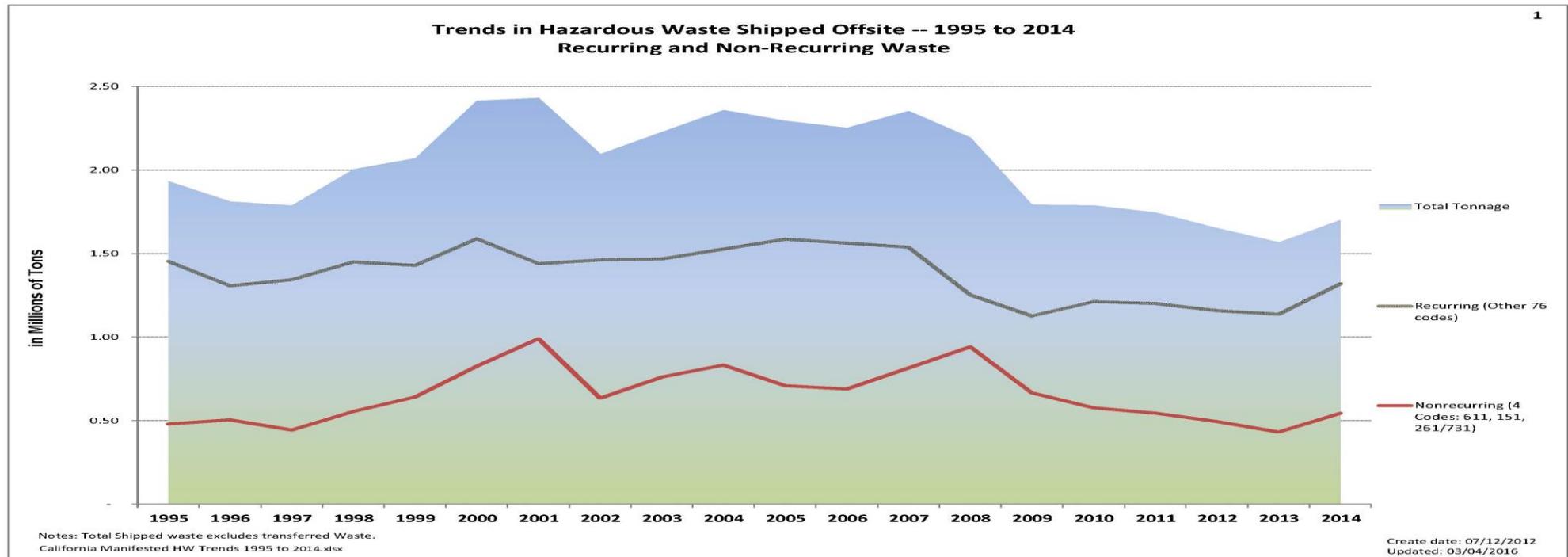
- Maintained by DTSC
- Information derived from hazardous waste manifests
- Tracks shipments from cradle to grave
- Includes facility identification information about generators, transporters, and TSDFs
- There are some limitations with this database
- Information available from 1993 through present



The screenshot displays the DTSC website's HWTS Reports Search page. At the top, the logo for CA.GOV and the California Department of Toxic Substances Control is visible, along with navigation links for About DTSC, Jobs & Exams, Calendar, E-Lists, and Contact. A search bar is located in the top right corner. Below the navigation bar, there is a banner image of a beach with waves. The main content area features a green circular icon with a right-pointing arrow and the text "HWTS Reports Search". Below this, the title "Report 7. Total Yearly Tonnage By Waste Code Report" is displayed. To the right of the title is a link for "HWTS Help?". The search criteria section includes radio buttons for "City", "County" (which is selected), and "CUPA". Below these are dropdown menus for "County" (set to "All"), "Year" (set to "2014"), "Display" (set to "All"), and "Sort" (set to "Highest Tons"). A "Find" button is positioned below the dropdown menus. At the bottom of the page, there is a footer with links to DTSC Home, Cal/EPA, ARB, DPR, OEHHA, SWRCB, Governor, DTSC Director Barbara A. Lee, and DTSC Site Map.

Database Overview

Hazardous Waste Tracking System (HWTS)



Database Overview

Hazardous Waste Tracking System (HWTS)

Top 10 Waste Types by Weight for 2014	Tons Generated
Contaminated soil from site clean-up	410,402
Waste oil and mixed oil	297,511
Other inorganic solid waste	242,656
Other organic solids	105,044
Asbestos-containing waste	89,813
Unspecified oil-containing waste	76,884
PCB's and materials containing PCB's	41,574
Unspecified solvent mixture	39,456
Aqueous solution w/ $\geq 10\%$ total organic residues	24,701
Unspecified organic liquid mixture	18,867

Database Overview

Biennial Report System (BRS)

- Maintained by USEPA; Only large quantity generators self-report, data is collected by DTSC then transmitted to USEPA
- Generators report type, quantity, and disposition of hazardous waste
- TSDFs report on wastes received from off-site
- Only RCRA waste reported, not California hazardous waste
- Last report received 2013; current report (2015) underway

Related Topics: [Envirofacts](#) [Contact Us](#) [Share](#)

BR Search

[Home](#) [Multisystem Search](#) [Topic Searches](#) **[System Data Searches](#)**

[About the Data](#) [Data Downloads](#) [Widgets](#) [Services](#) [Mobile](#) [Other Datasets](#)

BR

The BR Search allows you to retrieve selected data from the BR tables within Envirofacts for the facilities that are of interest to you. Select between different data retrieval options. Please note that NAICS code, Source code, and Form code information is optional and not available for all facilities. Unexpected results may be obtained when these fields are used in the selection criteria.

Facility Selection

Facility Identification:
Facility Name (Enter a partial or complete Facility Name)

Facility Identification Option Value:
 Beginning With Exact Match Containing

Geography Search

Enter a partial value for any geography option except for the state value. We strongly recommend that you enter a small geographical area to begin the search since Envirofacts contains a large number of facilities.

ZIP Code:

Address:

Beginning With Exact Match Containing

BR Links

- [Overview](#)
- [Search](#)
- [Model](#)
- [BR Search User Guide](#)
- [Contact Us](#)
- [Office of Resource Conservation and Recovery Home](#)

System Data Searches

- [Multisystem](#)
- [BR](#)
- [Brownfields/Cleanups](#)
- [CERCLIS](#)
- [Cleanups](#)
- [ECHO/IDEA](#)
- [FRS](#)
 - [EZ Search](#)
 - [Organization Search](#)
- [Greenhouse Gas](#)
 - [Customized Search](#)
- [ICIS](#)
- [ICIS-AIR](#)
- [ICR](#)
- [IGMS](#)
- [Locational Information](#)
 - [Locational Search](#)
- [PCS](#)
 - [Customized Search](#)
- [RADInfo](#)
- [RadNet](#)
 - [Customized Search](#)

Database Overview

Biennial Report System (BRS)

Top 10 California Industries by Total Generation in 2013

- Waste treatment and disposal
- Chemical product and preparation manufacturing
- Petroleum and coal products manufacturing
- Durable goods merchant wholesalers
- Coating, engraving, heat treating, and allied activities
- Non-ferrous metal (except aluminum) production
- Semiconductor and other electronic component manufacturing
- Support activities for rail transportation
- Electric power generation, transmission, and distribution
- Aerospace products and parts manufacturing

Database Overview

CA Environmental Reporting System (CERS)

- Maintained by CalEPA
- Reporting system for all regulated businesses under the jurisdiction of a local Unified Program Agency
- Includes hazardous waste generation, chemical inventories, and regulatory activities
- Electronic reporting system went into effect in 2009

The screenshot shows the 'CERS Central' website. At the top, there is a green navigation bar with the text 'CERS Central' and several buttons: 'Home', 'Business Portal', 'Regulator Portal', 'Index', 'Search', and 'Contacts'. Below this, the main content area is divided into three columns. The left column has a grey header 'Home' and a list of links: 'Businesses', 'Regulators', 'Help / FAQ's', 'Policy', 'Announcements', 'Index', and 'EDT'. The middle column has a green header 'Businesses' and a sub-header 'Business Portal Sign In'. It contains a list of links: 'Business User Training', 'Local Reporting Requirements', 'Unified Program Regulator Directory', 'CERS Chemical Library', 'Unified Program Internet Site', and 'CERS Business User Group'. The right column has a blue header 'Regulators' and a sub-header 'Regulator Portal Sign In'. It contains a list of links: 'Training Portal Sign In', 'Regulator User Training', 'Unified Program Violation Library (Factsheet)', 'CERS Data Registry', and 'Unified Program Internet Site'. Below these columns, there is a section titled 'CERS 3.0 Development and Implementation' with a paragraph of text and a link 'More Information...'. At the bottom, there is a red heading 'Businesses Must Report Electronically to CERS or a Local Reporting Portal' followed by a paragraph of text and a link 'More information...'.

California Environmental Reporting System

CERS Central Home Business Portal Regulator Portal Index Search Contacts

Home Businesses Regulators Help / FAQ's Policy Announcements Index EDT

Businesses
Business Portal Sign In

- [Business User Training](#)
- [Local Reporting Requirements](#)
- [Unified Program Regulator Directory](#)
- [CERS Chemical Library](#)
- [Unified Program Internet Site](#)
- [CERS Business User Group](#)

Regulators
Regulator Portal Sign In

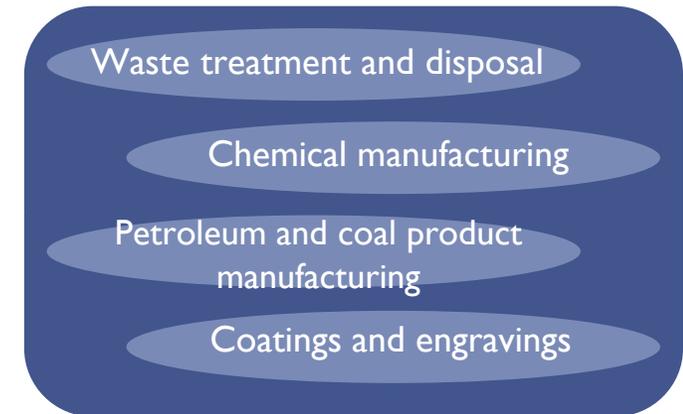
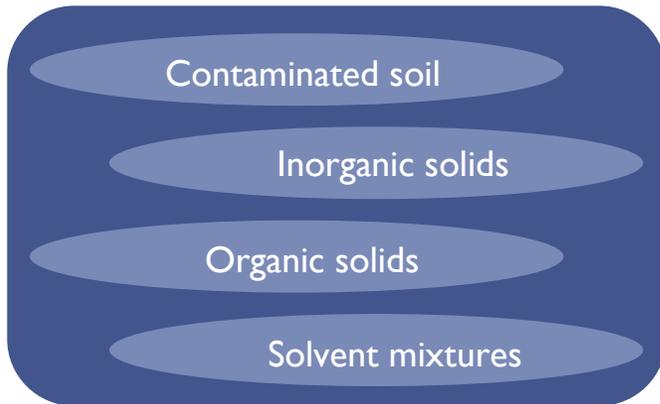
- [Training Portal Sign In](#)
- [Regulator User Training](#)
- [Unified Program Violation Library \(Factsheet\)](#)
- [CERS Data Registry](#)
- [Unified Program Internet Site](#)

CERS 3.0 Development and Implementation In late 2014, a CERS 3.0 Work group was formed by the Unified Program Data Steering Committee (DSC) to identify and develop suggestions for enhancing the usability and electronic reporting capabilities of CERS. The CERS 3.0 Work group consisted of eight Subcommittees, comprised of over 75 representatives from state and local regulators, business users (including environmental and public interests), technical advisory groups, and data services vendors. Thus, the proposed CERS 3.0 enhancements represent the diverse aspects of implementing the Unified Program and electronic reporting requirements. [More Information....](#)

Businesses Must Report Electronically to CERS or a Local Reporting Portal All businesses must now submit Unified Program-related information to CERS instead of on paper forms. Alternatively, some CUPAs have developed local web portals that businesses may choose to use to meet this requirement. [More information...](#)

Areas For Further Focus

Potential Pilot Project Topics



CPHWR Initiative Schedule

Schedule

Selection of pilot projects – April 2016

Planning and implementation of pilot projects – May 2016 - April 2017

FINAL REPORT DUE JUNE 30, 2017