

Electronic Reporting Update

Jim Bohon, Program Manager
Cal/EPA Unified Program
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Cal/EPA Unified Program

Topics Covered

- **Big Picture**
- **Transition Plans & Grants**
- **Past/Future Milestones**
 - **Project Contracts**
- **CERS Enhancements**

Topics Covered

- **Actual Implementations**
 - **City of Bakersfield (CERS)**
 - **Napa County (Garrison)**
 - **Merced County (Envision)**
- **Discussion/Questions**

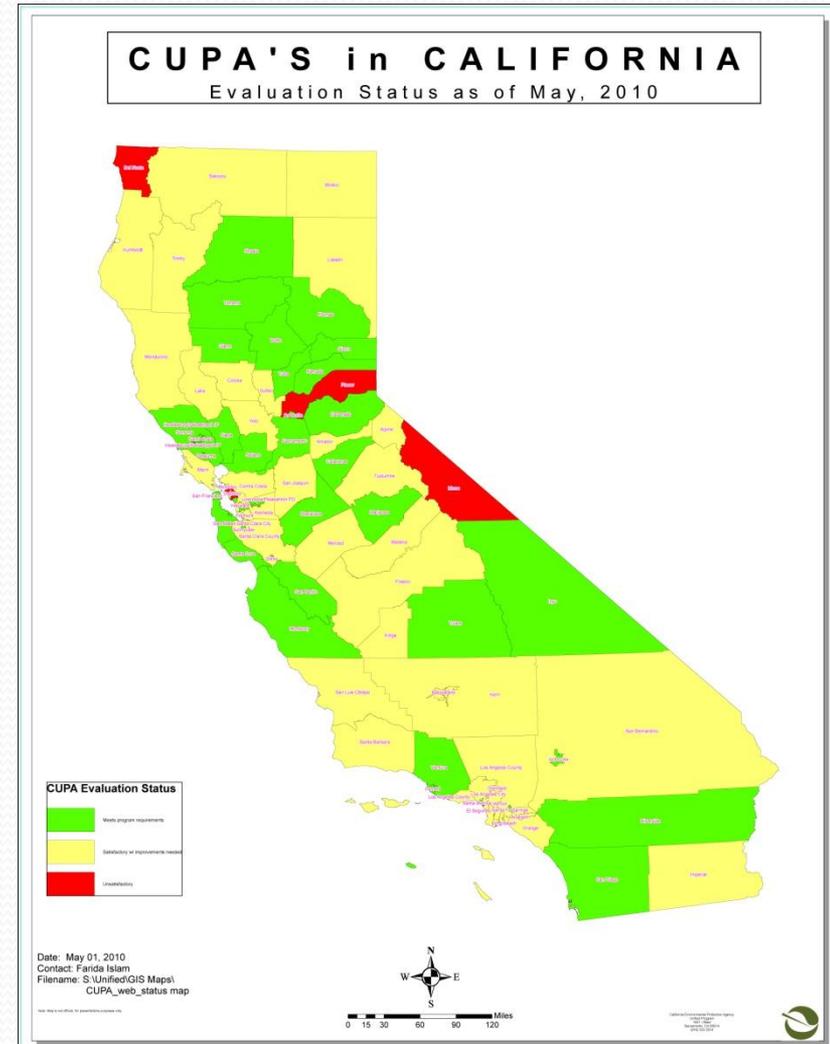
Electronic Reporting Requirements

- AB2286 (2008) Requires Electronic Reporting
- Cal/EPA to have system available by January 1, 2010
 - CERS was Operational September 30, 2009
- All regulated businesses and all Unified Program Agencies must file electronically by January 1, 2013
- Filing includes:
 - Facility information
 - Chemical inventories
 - Underground Storage Tanks w/ detail
 - Aboveground Storage Tanks w/o detail
 - Hazardous waste generation & onsite treatment
 - Inspection and enforcement information.

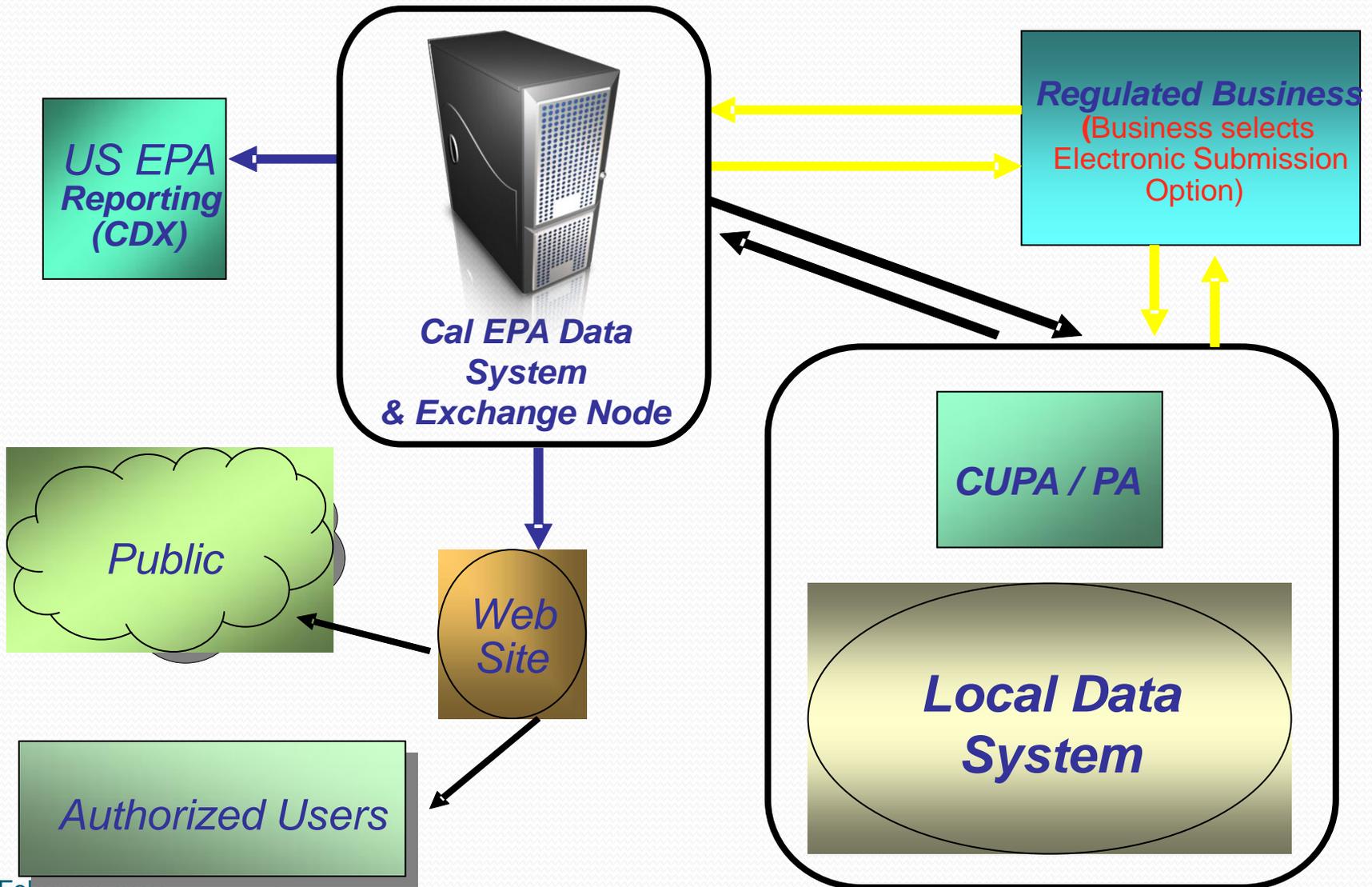
Unified Program Regulated Universe

(FY 2009/10)

- 117 Local Agencies
 - 83 CUPAs & 34 PAs
 - > 60,000 inspections per year
- 144,000 Regulated Businesses
 - Chemical Handling Facilities—119,500
 - CalARP Facilities – 2,300
 - Hazardous Waste Generators—84,400
 - UST Facilities – 15,100
 - AST Facilities – 10,800



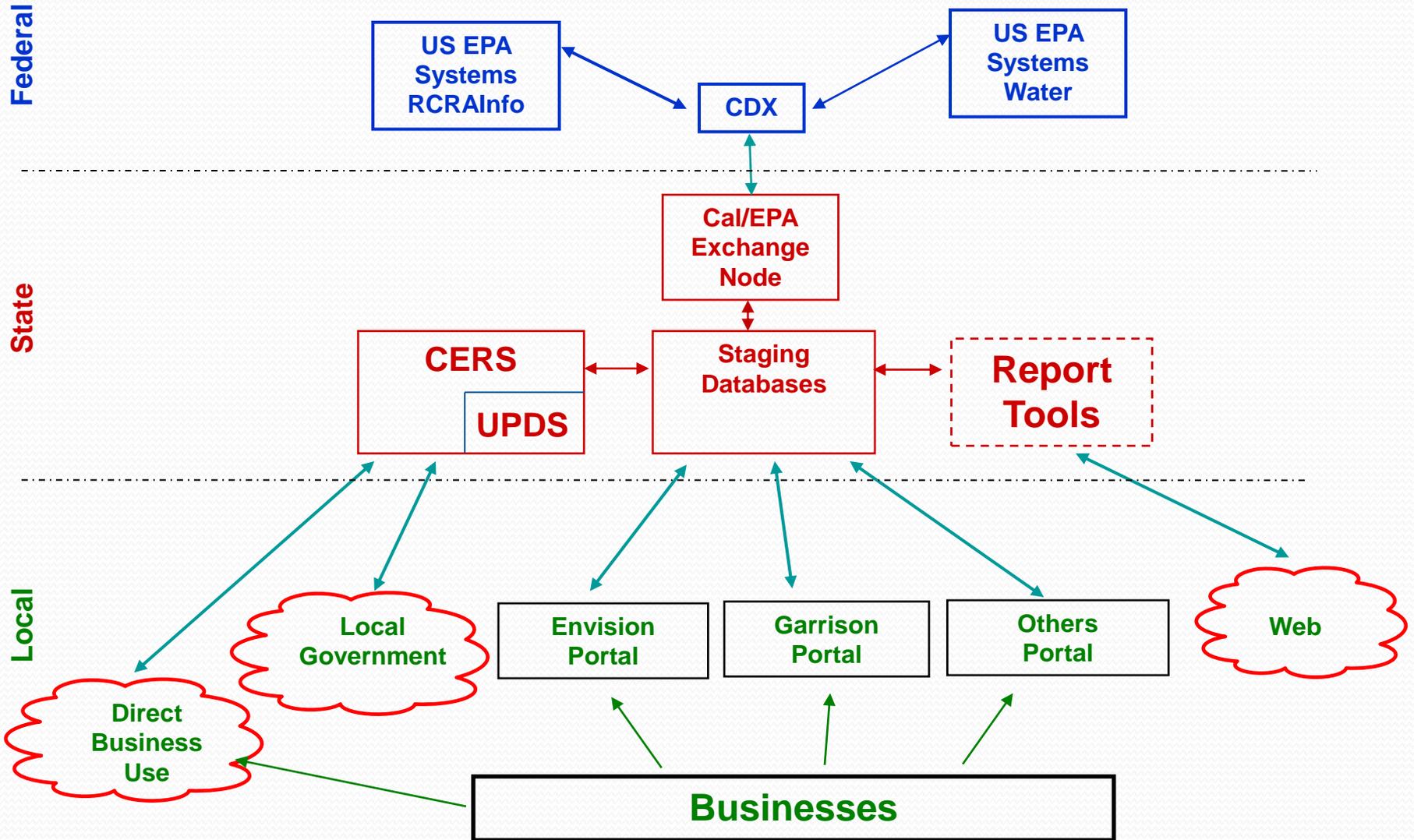
UP Data Management Plan (2007)



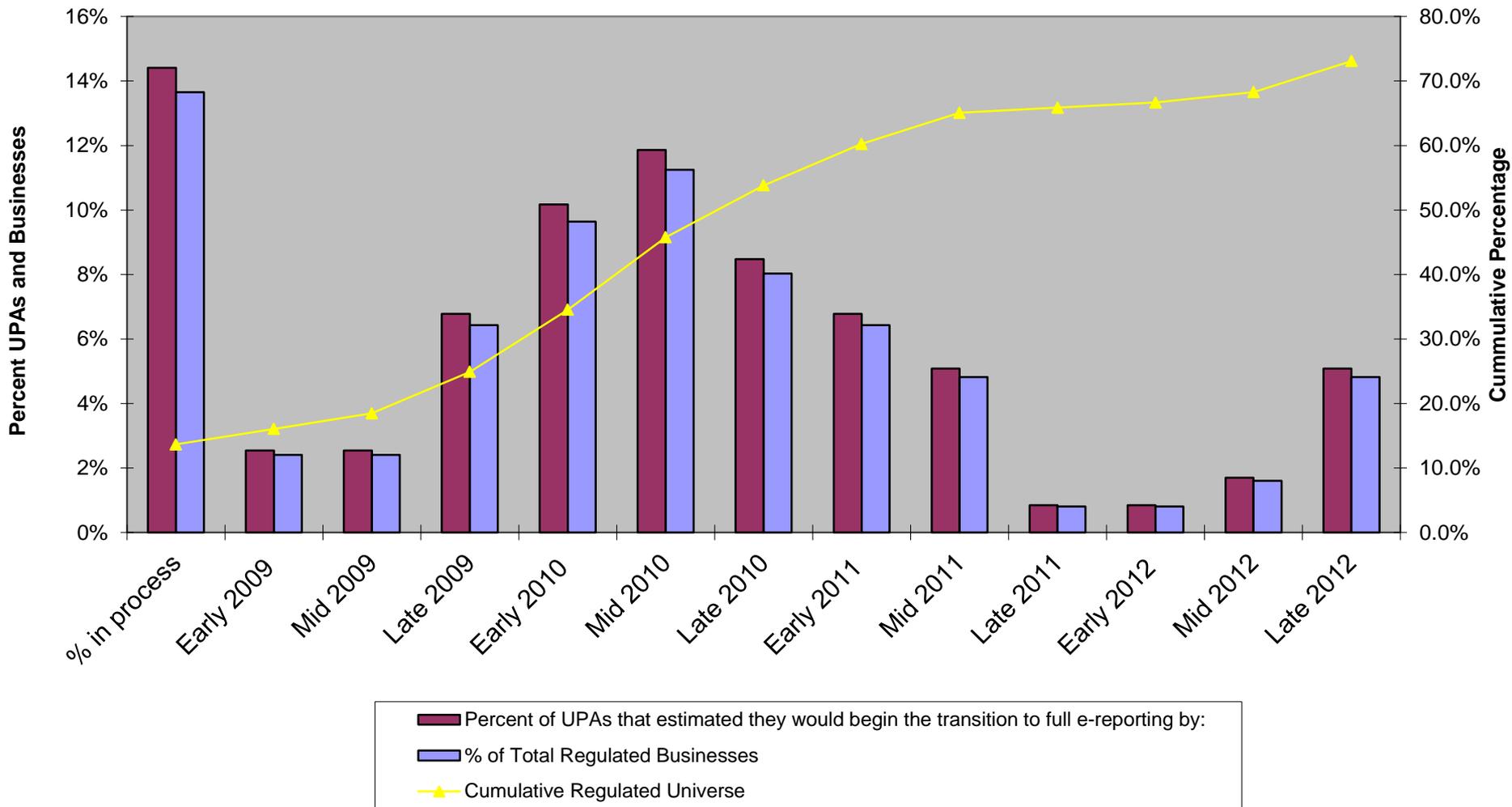
Project Implementation Needs

- Web-based reporting tools
 - State – Convert Unidocs to CERS
 - Local – Envision, Garrison, Others
- Method to move data between state and UPAs
 - Data exchange through web service technology
- Standards to be sure reporting the same thing
 - Unified Program Data Dictionary (amended)
- State control agencies approvals for the project
 - Dept of Finance and State OCIO
- Support for UPAs to implement locally
 - Grants and Contracts
- Support for UP to implement at state
 - Additional staffing

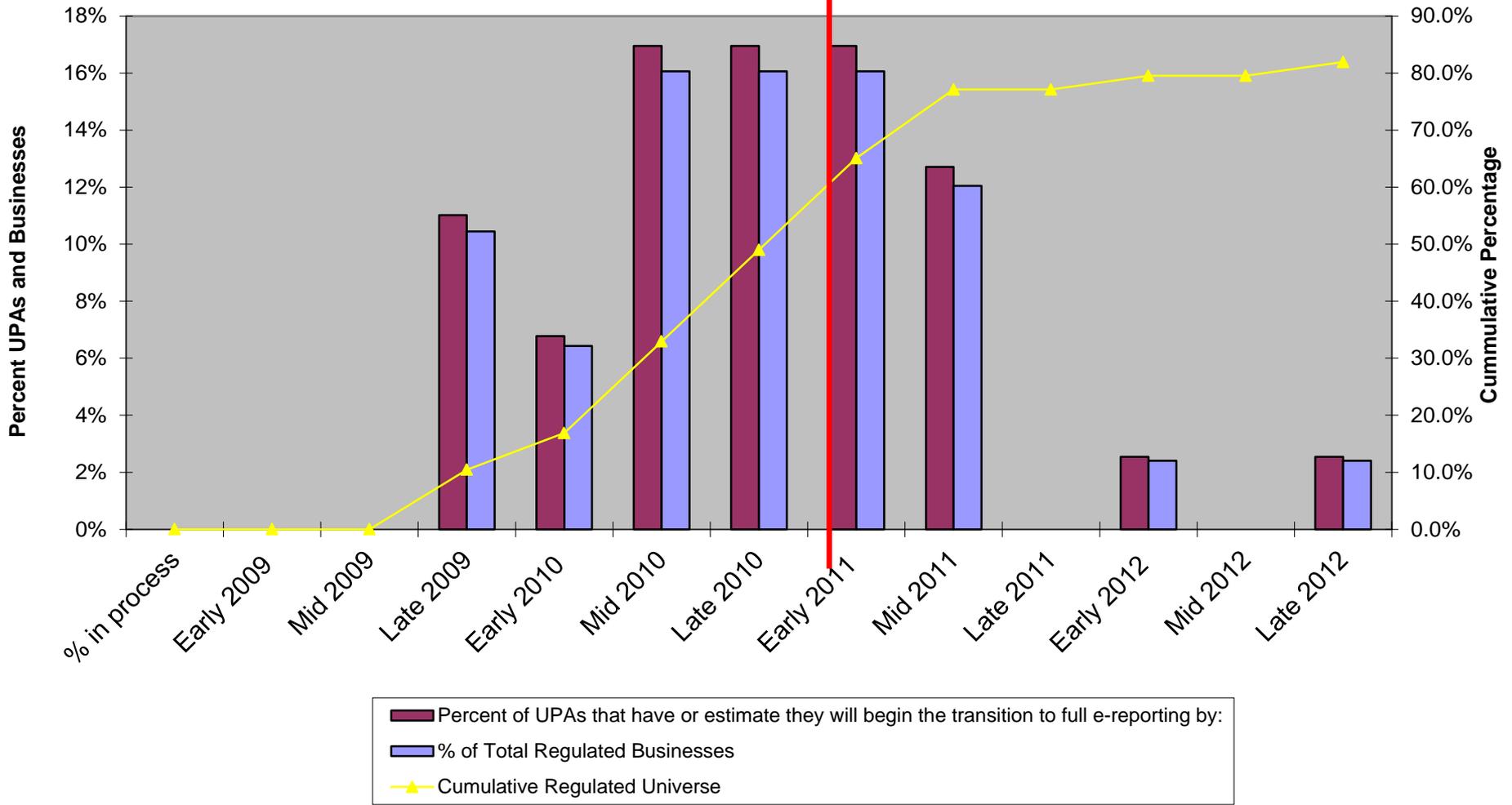
Information Flow



Phased Electronic Reporting Implementation January 2009



Phased Electronic Reporting Implementation January 2011



Completed Implementation Plan Milestones

- Control Agencies approvals 4/01/09
- CERS (state web reporting site) Operational 10/01/09
- All authorized technical staff onboard 4/30/10
- Open UPA grant application process 5/01/10
 - Makes over \$9 Million available to UPAs
- UST Reports contract in place 6/30/10
- Initial enhancements to CERS completed 10/29/10
- Additional CERS enhancement contracts 12/1/10

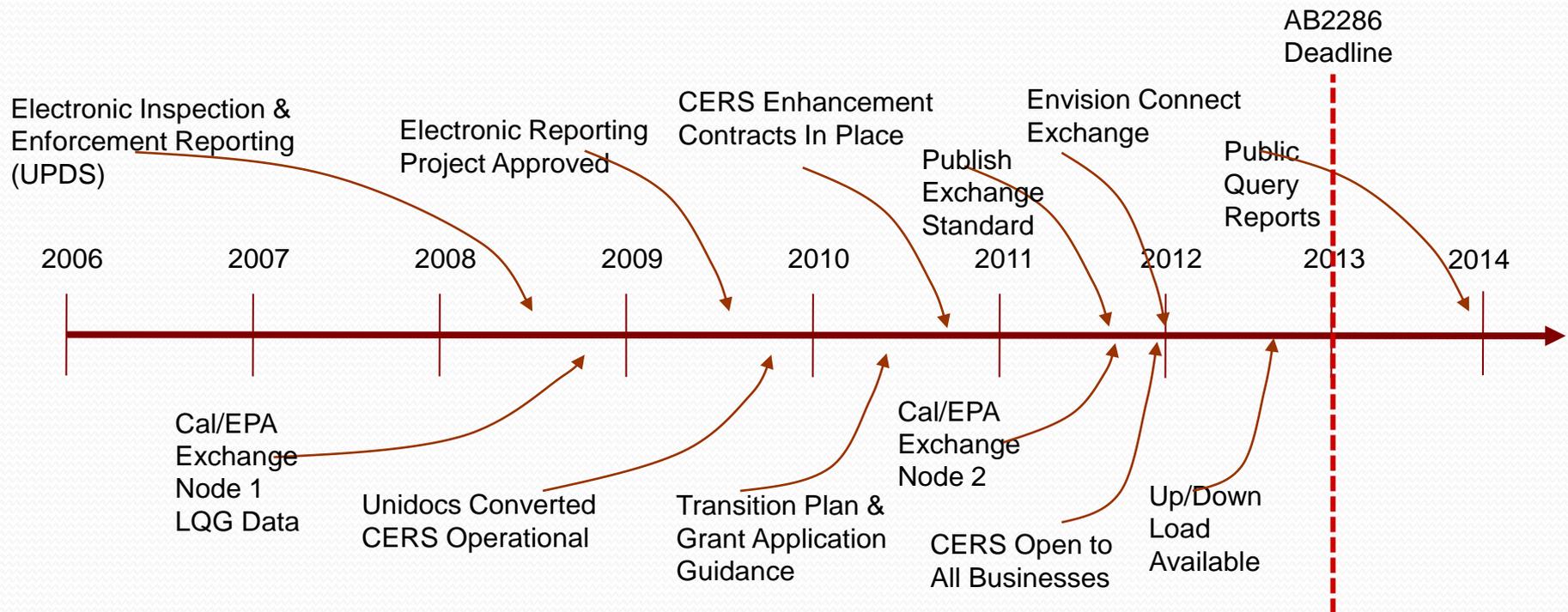
CERS - Current UPA and Business Status

- 43 UPAs are allowing electronic reporting
- 50,000 businesses could potentially report now electronically
- 40,000 facility records are in CERS now
- 4,000 active business users

Upcoming Implementation Plan Milestones

- Release list of data to be collected/exchanged 2/02/11
- Training Curriculum Contract 5/01/11
- Data Capture Contract 6/01/11
- Exchange Development Contract – Decade 6/30/11
- Data Exchange standard published 7/30/11
- CERS2 operational 9/30/11
 - Better user tools, more wizards, exchange capable
- Data Exchange with Envision Connect 12/31/11
 - Covers 42 UPAs

Project Picture



Transition Plan Status

- 117 UPAs to Transition to Electronic Reporting
- 18 Transition Plans Submitted
 - 1 of the Transition Plans Covers 11 UPAs (Orange Co)
 - 28 UPAs Covered
- 8 Approved (with advanced grant funding)
 - The rest are very close
- Slow Start and a Long Way to Go
 - 89 UPS To Go

UPA Engagement Level

- 95 UPAs have reported activity
 - 81% of UPAs
 - More that 80% of businesses covered
- 22 UPAs have not reported anything
 - 11 CUPAs and 11 PAs



CERS Electronic Reporting Implementation Update

Chris Allen
Unified Program Technology Services Manager
callen@calepa.ca.gov

CERS Technical Implementation

- CERS1: Ongoing Enhancements
- CERS2 Web Internet Implementation
- CERS2 Electronic Data Exchange Implementation
- Next Steps

CERS Background

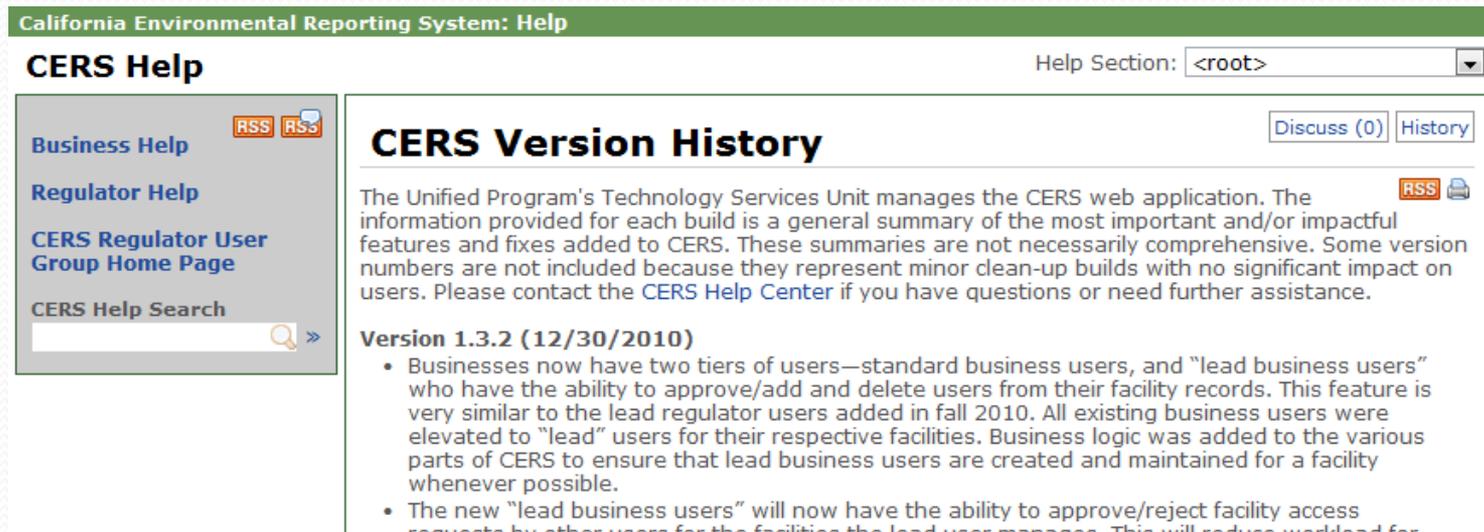
- AB2286 2010 deadline for “statewide information management system capable of receiving all data collected by the Unified Program agencies and reported by regulated businesses.”
- 2009 CERS1 rollout did not meet full mandate:
 - Not all UP Program elements/forms included
 - No inspection/enforcement capabilities (only LQGs)
 - Validation/Submittal/Approval features very simplistic
 - No electronic data exchange/transfer (EDT)

CERS Development Goals

- Prioritized maintenance of “basic” system (CERS1) while building more complete system.
- Develop comprehensive, long-term system meeting AB2286 automation goals:
 - Cost efficient (over time)
 - Effective for businesses and state/local regulators
 - Public access to non-confidential data
- Future expandability (new program elements)
- CERS is a tool—means to an end—Do no harm!

CERS1 Development

- Development team formed in first half of 2010.
- Many requests for CERS1 fixes/enhancements.
- New fixes/features released every 4-8 weeks.



California Environmental Reporting System: Help

CERS Help Help Section: <root>

[Business Help](#)  

[Regulator Help](#)

[CERS Regulator User Group Home Page](#)

CERS Help Search  >>

CERS Version History

[Discuss \(0\)](#) [History](#)  

The Unified Program's Technology Services Unit manages the CERS web application. The information provided for each build is a general summary of the most important and/or impactful features and fixes added to CERS. These summaries are not necessarily comprehensive. Some version numbers are not included because they represent minor clean-up builds with no significant impact on users. Please contact the [CERS Help Center](#) if you have questions or need further assistance.

Version 1.3.2 (12/30/2010)

- Businesses now have two tiers of users—standard business users, and “lead business users” who have the ability to approve/add and delete users from their facility records. This feature is very similar to the lead regulator users added in fall 2010. All existing business users were elevated to “lead” users for their respective facilities. Business logic was added to the various parts of CERS to ensure that lead business users are created and maintained for a facility whenever possible.
- The new “lead business users” will now have the ability to approve/reject facility access requests by other users for the facilities the lead user manages. This will reduce workload for

What's new in CERS2?

- Database revision for EDT/statewide support
- New, enhanced web site for businesses/reporters:
 - More task-based navigation
 - More data entry validation (ongoing improvements)
 - Identify linked/dependent forms to reporters
 - Submit individual program element(s)/form(s)
 - Multiple user/facility security

What's new is CERS2? (cont'd)

- New, enhanced web site for regulators:
 - More task-based navigation
 - Review/approval of individual program elements
 - Inspection/enforcement data entry
 - Ongoing improvements—identifying submittal changes
 - Ongoing improvements—reports, tickers, etc.
- Support for EDT
 - Business \leftrightarrow CERS \leftrightarrow Regulators

CERS2 Development Activities

- Establish + support (docs/listserv/web site) for:
 - CERS Regulator User Group
 - CERS Change Management Committee
- Detailed review of UPCFs and Title 27 Data Dictionary (results released today).
- Some issue papers on clarifying or proposing business processes already presented to CERS User Groups and CMC. More to come!

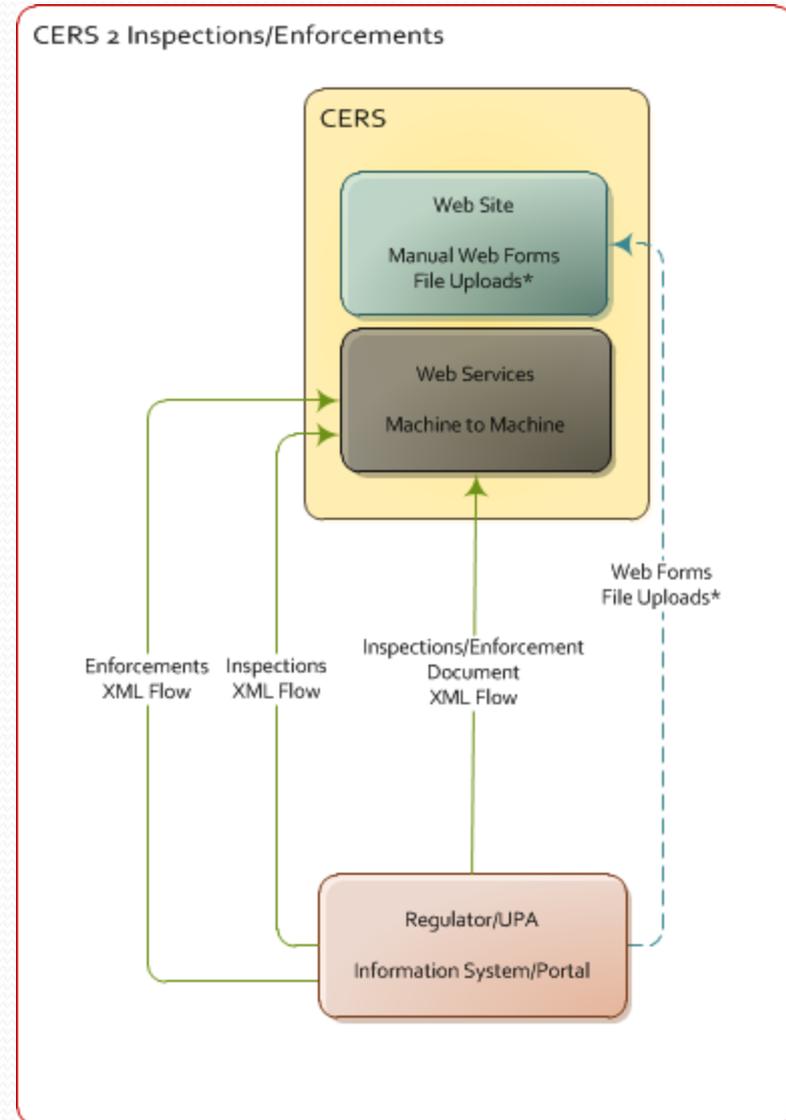
CERS2 Development Activities

- Web user interface design starting—some similarities to tax preparation software.
 - CERS2 user interface will be different than CERS1.
- Much work to be done—Cal/EPA needs to minimize CERS1 fixes/feature additions.
- CERS2 web site & existing data migration planned for late September 2011.
- CERS2 EDT on a separate schedule and development track. Why?...

CERS2 Inspections & Enforcements EDT

2 entities, one-way

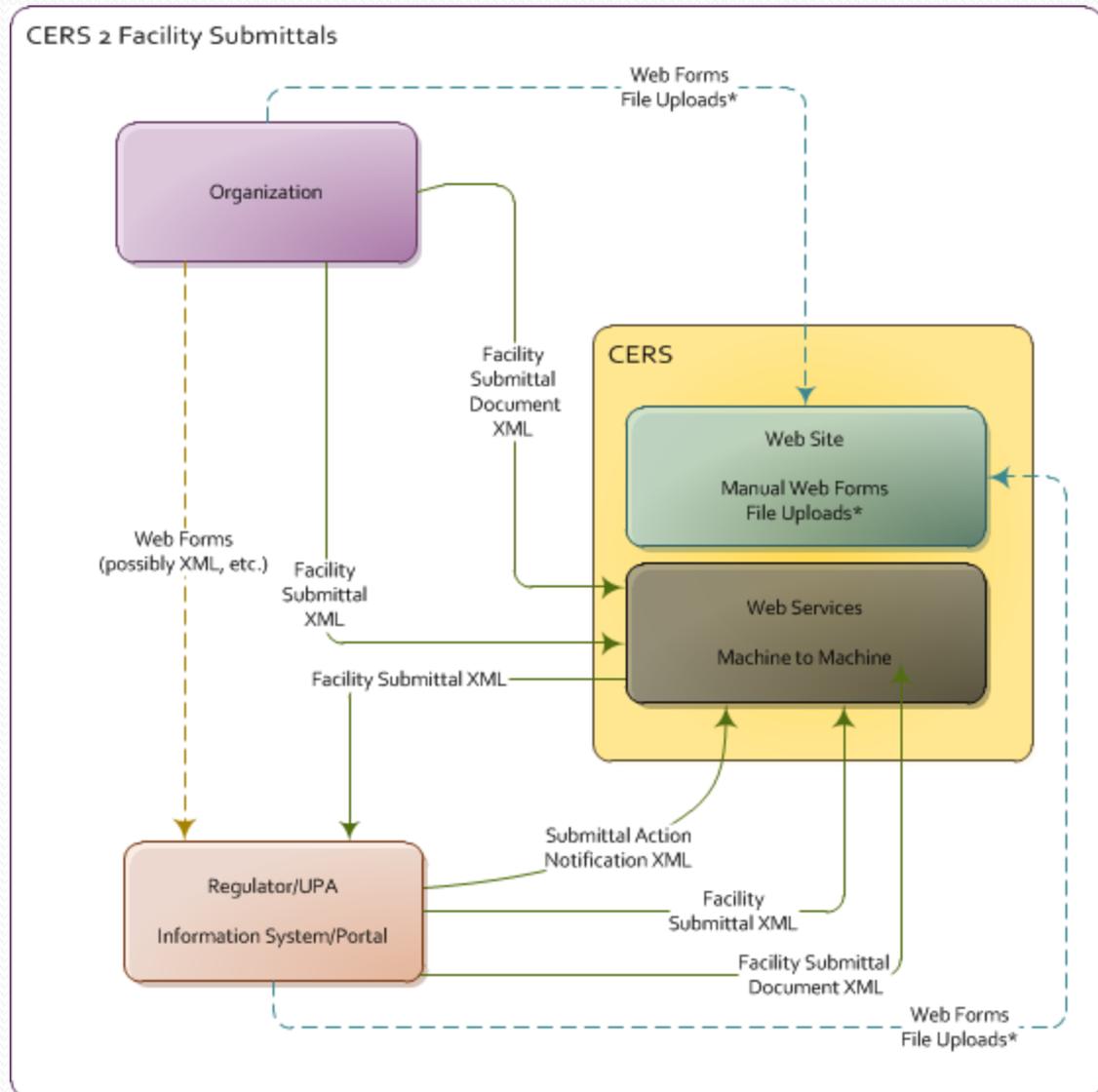
*Standard
Complexity*



CERS2 Facility Submittals EDT

*3 entities, many
ways*

**VERY
Complex!!**



EDT Challenges

- Requiring comprehensive review of forms, data dictionaries, processes, etc.
 - Forms/Dictionary not designed with XML EDT in mind
 - Not all processes defined (e.g., ownership changes)
- Manual data entry via web forms controlled by human-driven validation/intervention. However...
- EDT is a machine-to-machine process with **no human intervention**.
 - Must minimize ambiguity, or manual intervention required and automation benefits are lost.

Today's CERS2 EDT Deliverables

- EDT implementation schedule previously delayed due to state budget-related issues.
- Cal/EPA committed fields list at this conference.
- Final draft revised Unified Program Data Dictionary released today: [CERS Data Registry](#)
- Drafts of other CERS data dictionaries released today (Locally Collected+System+Supplemental)
- CERS2 EDT Technical Preview document released today (for EDT implementers)

<https://cers.calepa.ca.ca.gov/data/registry/>



CERS California Environmental Reporting System

California Environmental Protection Agency

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Search



California Cal/EPA

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- Home
- Reports
- Data Field Search
- Data Sources

CERS Data Registry (CDR)

The CERS Data Registry (CDR) provides a listing of data fields used or referenced by the California Environmental Reporting System (CERS). These standards include various Unified Program data dictionaries used in CERS, as well as other relevant federal data standards. For more information or questions about information in the CDR, please contact Chris Allen at callen@calepa.ca.gov.

[CERS2 EDT Implementation Listserv](#)

[CERS2 Electronic Data Transfer \(EDT\) Technical Implementation Preview \(PDF\)](#)

[Unified Program Data Dictionary Changes Summary \(PDF\)](#)

Data Sources

→ [Unified Program Data Dictionary \(FINAL DRAFT\) \(Ver.3.10\)](#)

This dictionary includes various modifications to the existing version of the Title 27 Data Dictionary (Version 3.0) that are required to implement the electronic reporting mandates of AB 2286 (2008). These modifications were approved by the Unified Program Data Management Steering Committee in November 2010 and January 2011.

→ [CERS Locally Collected Fields for CERS Electronic Data Transfer \(Ver.1\)](#)

This dictionary lists all data elements regulators can optionally collect via CERS Electronic Data Transfer (EDT) that are NOT defined in the Unified Program Data Dictionary but are required for local program implementation. Regulators may directly collect other data elements from facility owner/operators as allowed by regulations, but only the fields in this list will be exchanged via CERS EDT. Version 1 was approved by the Unified Program Data Management Steering Committee in November 2010.

CERS2 Implementation Schedule

- Communications to CERS user groups and EDT implementers: Ongoing
- EDT definition documents (schemas): July 2011
- Beta CERS2 web site: Summer 2011
- Beta EDT Services/guidance: Summer/Fall 2011
- CERS2 web site/migration: Late September 2011
- Production Facility Submittal EDT: ~Dec. 2011
- Production Inspection/Enforcement EDT: Q1 2012

Next Steps

- Participate in or monitor CERS User Groups
- EDT technical implementers (e.g., vendors, IT staff) subscribe to EDT Implementation Listserv.
- Send suggestions for future features/wish list items to the CERS Help Center. Be specific!
- Questions/Assistance:
 - CERS1: CERS Help Center cers@calepa.ca.gov
 - General/CERS2: Dan Firth dfirth@calepa.ca.gov
 - CERS2 Technical: Chris Allen callen@calepa.ca.gov

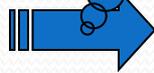
Electronic Reporting Update



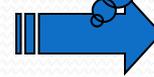
Howard Wines - Craig Perkins

1987 - 2007

MSDS, Inc.



2008 Unidocs

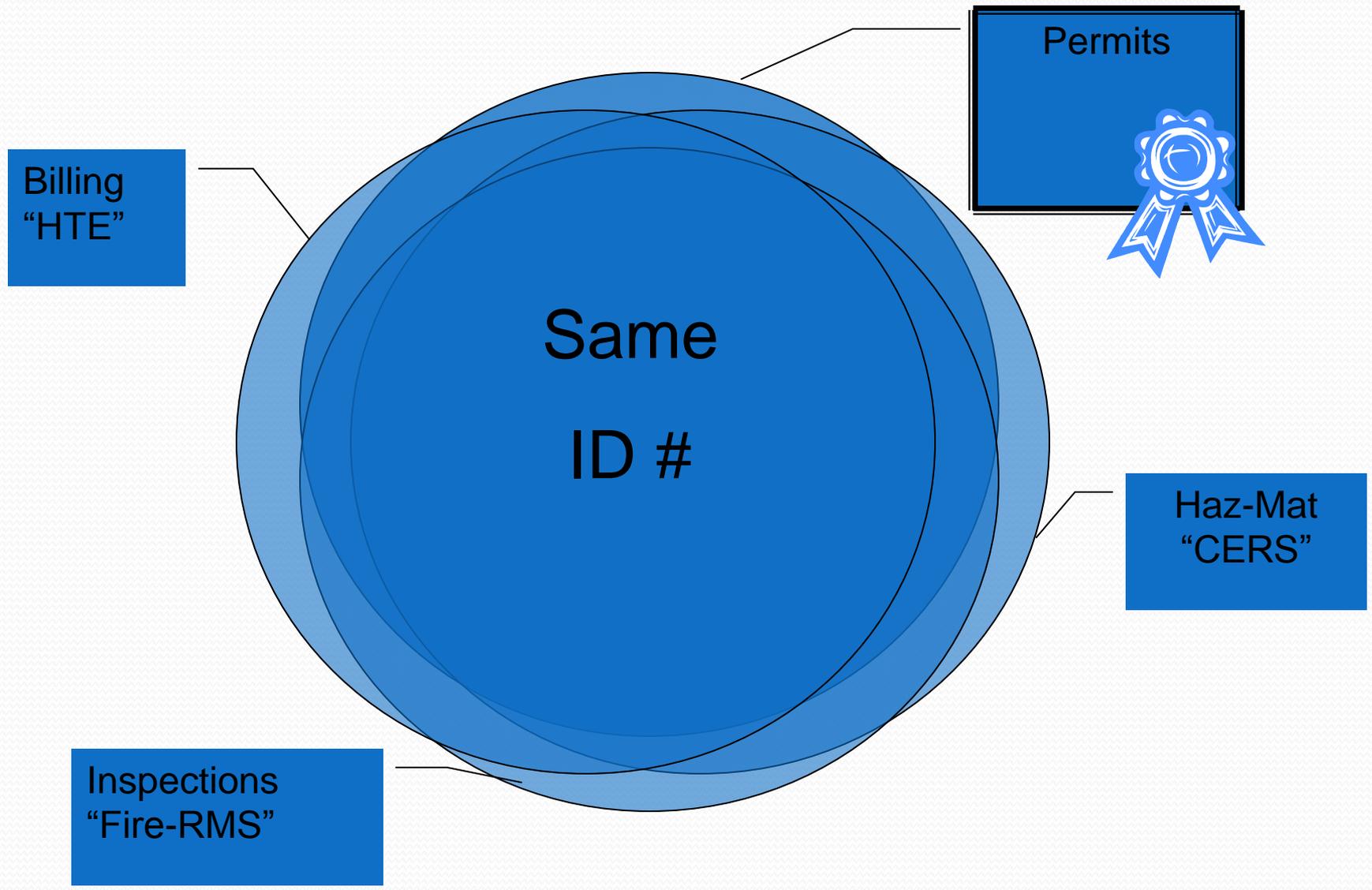


2009 CERS

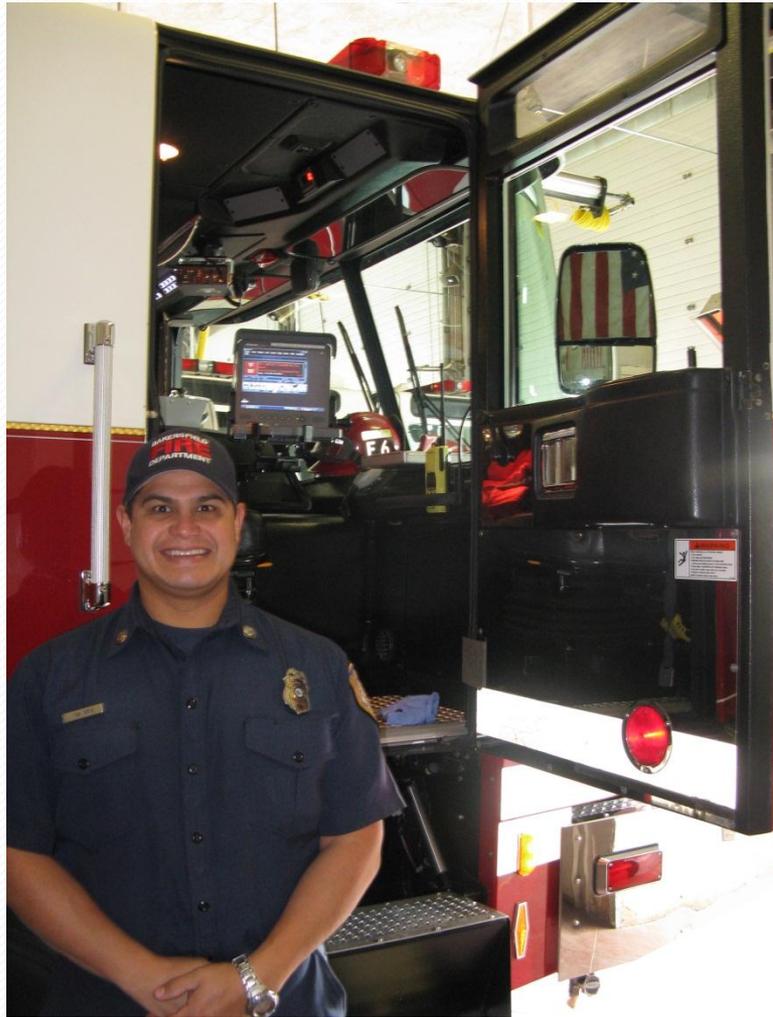


70% Initial Response Rate

Multiple Data Base Management



PERSONNEL FIRE DEPARTMENT CERTS



CERS on all Fire Engines



A Tradition of Stewardship
A Commitment to Service

Environmental Management

Transitioning to CERS

W. Douglas Calhoun
Environmental Health
Supervisor

February 03, 2011

Contact Information:

707.253.4839

Doug.calhoun@countyofnapa.org



A Tradition of Stewardship
A Commitment to Service

Environmental Management

NAPA COUNTY REGULATED FACILITY TOTALS

Hazardous Materials Release Response Plans (HMRRP)		1,298
California Accidental Release Prevention (CalARP)		8
Underground Storage Tank (UST) Facilities		45
Aboveground Petroleum Storage Tank (AST) Facilities		104
Hazardous Waste Generators		
Generators (ALL)		456
	RCRA Large Quantity Generators	4
	Onsite Hazardous Waste Treatment (PBR, CA, CE)	1
Household HW (HHW)		1



A Tradition of Stewardship
A Commitment to Service

Environmental Management

Pre Electronic Reporting

- Database: Filepro (MS DOS Based)
- Filing System: Paper

Priority 1

- Transition to paperless office in 2003.
- Asked to use OnBase as other county departments are using.

Priority 2

- The end for Filepro was becoming evident. After viewing several databases, chose Garrison in December 2007.
- Filepro data exported to excel/imported into DHD
- Worked closely with Garrison Enterprises to create current system in their Digital Health Department (DHD). Went live with few issues in June 2009.



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A Commitment to Service

Environmental Management

Current Inspection Business Practice

- Utilizing Dell XT-2 Tablets complete with air cards for field based inspections.
- Inspections can be completed online or offline.
- Sync tablets daily to receive any DHD updates and to update DHD with data gathered offline.
- Inspections can be emailed or faxed to facility. We do not use portable printers.

Associated Costs

- Approximate tablet cost: \$2,535.00
- Monthly air card cost: \$38.01/mo

* * Savings: Portable printer, battery replacement, toner cartridges, paper, time, energy, resources, and reduced schlepping!



A Tradition of Stewardship
A Commitment to Service

Environmental Management

Transition to CERS

- DHD to create a public portal once CERS schema is developed.
- NCDEM will host 1-3 training sessions for the regulated community beginning in January 2012.
- Hire part time person to conduct onsite visits to assist facilities with original data upload.
- Staff utilize tablets with internet access; thus, they will also be able to aid facilities.



A Tradition of Stewardship
A Commitment to Service

Environmental Management

	DEM In-House Milestones	Target Date	Completion Date
1	Estimated/Actual Start date of the CUPA Electronic Reporting Transition Plan	Complete	Complete
2	Date CUPA Select Preferred Data Exchange Methodology	Complete	Complete
3	Date Electronic Reporting Transition Plan & Grant Application Submitted	7/15/2010	7/15/2010, Resubmit 10/21/10, 12/15/10
4	Date Cal/EPA Awards Grant	12/1/2010	
5	Date Transfer of existing data from UPA system to CERS Complete	Dependent on DHD.	
6	Send mass mailer notifying regulated facilities of CERS requirement.	9/1/2011	
7	Send mass mailer notifying regulated facilities of CERS requirement.	1/1/2012	
8	Date Authorized Business Electronic Submission	1/1/2012	
9	Hire temp person to go out to facilities to assist.	1/1/2012	
10	Host training session for regulated facilities.	01,02,03/2012	
11	Date CERS Data Exchange operational: Business data	Dependent on DHD	
12	Date CERS Data Exchange operational: Inspection & Enforcement Data	Dependent on DHD	
13	Date CUPA Electronic Reporting Transition Process Complete (including PAs)	1/1/2013	

Merced County

Hazardous Materials

Public Portal

Merced CUPA Public Portal Home Page

Merced County

cupa.co.merced.ca.us

Merced County Certified Mail with Ret... CERS Outline Viewer Opera... Other bookmarks

MERCED
COUNTY

Merced County CUPA
Electronic Submittals

Please login below to electronically complete and submit your forms.

Username: Password: **Login**

Contacts

Telephone: 209.381.1100
E-Mail: cupa@co.merced.ca.us
[Click here to request a username/password](#)
[Merced County Environmental Health](#)

EnvisionConnect Log Collector
Clicking here will start the log collection process

Emergency Response

The screenshot shows a web browser window with the URL cupa.co.merced.ca.us/ezsearch. The page displays the Merced County logo and a search interface. A search for 'fire' has been performed, resulting in a table of 12 entries. Each entry includes a facility name, business operator, contact information, and location details.

Business Name	Business Operator	Business Operator Phone	Primary Emergency Contact	Primary Emergency Contact 24-Hour Phone	Site Address	Site Zip Code	Facility ID#	Owner Name	District
Calfire Los Banos FFS	CAL FIRE	12099663622	Steven Carrick	2099663621	31011 W. Gonzaga Road	95322	FA0007167	Merced County Fire Dept Station 61	
Delgado Farming			George Delgado	5596592216	Sharon Rd.	93622	FA0001894	Delgado, Manuel/George	
Firebaugh Travel Plaza		9256831086			15838 Paul Negra Road	93622	FA0000829	Vinod Juneja	
Gateway Fire Equipment					41 E. 15th St	95340	FA0003209	Beard, Dale	
Jones Farm Dairy	Rick Jones	2095641125	Julie Jones	2095641125	1151 N. Van Cleef Road	95374	FA0004011	Jones, Rick	
Limonsito Farms			Tony Martinez	2095387010	27934 Hamburg Road	93622	FA0006595	Martinez, Tony	
Merced City Fire Dept	City of Merced Fire Department	2093856891	Chief Mitten	2095640600	99 E. 16th St.	95340	FA0005197	City of Merced	
Merced City Fire Dept. #52	City of Merced Fire Department	2093856891	Chief Mitten	2095640600	1400 Falcon Way	95340	FA0001682	City of Merced	
Merced City Fire Dept. #53	City of Merced Fire Station 53	2093856878	Chief Mitten	2095640600	800 Louahborough	95340	FA0001825	City of Merced	
Merced City Fire Dept. #55	City of Merced Fire	2093856891	Kenneth Mitten	2095640600	3520 Parsons Ave.	95340	FA0006194	City of Merced	

- ◆ Emergency Response teams can access HMBP information, including contact information, chemical presence and location



Step 1 of 3

Step 1: Complete the forms

Step 2: Add a cover sheet

Step 3: Submit your package

Help and FAQ

Submission Log

Submission Home

Click on the Save Changes Button to save the form. After saving the form, click on the links below to complete ALL the forms in your submission package

Business Activities

- Business Owner Operator
- Chemical Description
- Emergency Response / Contingency Plan
- Facility Maps

Change in Facility Owner / DBA / Address

Tips

- Click on the Save Changes Button frequently. You will be logged out of the system after extended inactivity and any unsaved changes may be lost.
- Disable any installed popup blockers
- Complete every form in the package

Finished? Go to the Cover Sheet to send extra notes, or confirm your submission.

Business Activit.. (1)

Help

Facility ID #* FA0006410

Dept of Public Health-Laboratory
260 E. 15th St.
Merced CA 95340

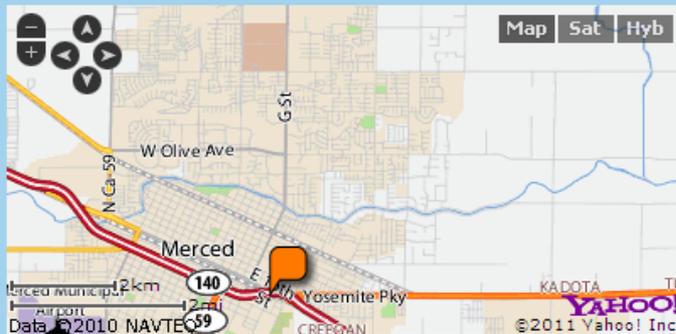
Is the Business Name (DBA) or site address incorrect? Notify your agency by completing a Suggestion/Comment Form.

EPA ID#

Latitude* 37.294632

Longitude* -120.472819

Refresh



II. Activities Declaration

Note: If you check any of the items below, you must submit a Business Owner/Operator Identification Form

Does your facility... (Check all that apply)

If yes, you must complete these forms...

A. HAZARDOUS MATERIALS

- Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle

- Business Owner Operator
- Chemical Description
- Facility Map
- Emergency Plan

Finished? Go to the Cover Sheet to send extra notes, or confirm your submission.

Print Save Changes Cancel Changes



Step 1 of 3

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Finished? Go to the Cover Sheet to send extra notes, or confirm your submission.

Chemical Descrip.. (2)

Help

Expand Table View

Expand Form View

	Chemical Name	Chemical location	Common Name
+	Diesel	back up generator	Diesel
+	Fixer waste		Fixer waste

Name*

Facility ID#* FA0006410

Latitude

Longitude

Chemical location* back up generator

Location Description

Text area for location description

EPCRA

- Yes
- Chemical location confidential
- Trade Secret

Map #

Map # input field

Grid #

Grid # input field

II. Chemical Information

Finished? Go to the Cover Sheet to send extra notes, or confirm your submission.

Print

Save Changes

Cancel Changes

Add Chemical Descr..

Delete

Panel Questions

CERS

<https://cers.calepa.ca.gov/cers>

cers@calepa.ca.gov