

STATE OF CALIFORNIA  
**Budget Change Proposal - Cover Sheet**  
 DF-46 (REV 07/14)

Fiscal Year 2015-16	Business Unit 3960	Department Department of Toxic Substances Control	Priority No. 3
Budget Request Name 3960-006-BCP-BR-2015-GB		Program 3630 Safer Consumer Products 9900100 Administration 9900200 Distributed Admin	Subprogram

Budget Request Description.  
 Hazardous Waste Reduction

Budget Request Summary

The Department of Toxic Substances Control requests an augmentation of \$840,000 and 6.0 positions from the Toxic Substances Control Account for two years to develop, implement, and evaluate projects that reduce the generation of hazardous wastes that are treated or disposed in California. This Community Protection and Hazardous Waste Reduction Initiative will select up to three pilot-scale projects to reduce hazardous wastes that are generated in significant quantities in California, can pose substantial risks or hazards to human health or the environment, and are treated or disposed in California communities that are disproportionately burdened by multiple sources of pollution. The Administration will also select individuals to sit on an advisory panel that will provide guidance on the Initiative.

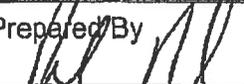
Requires Legislation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Code Section(s) to be Added/Amended/Repealed
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Does this BCP contain information technology (IT) components? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes, departmental Chief Information Officer must sign.</i>	Department CIO	Date
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For IT requests, specify the date a Special Project Report (SPR) or Feasibility Study Report (FSR) was approved by the Department of Technology, or previously by the Department of Finance.

FSR       SPR      Project No.      Date:

If proposal affects another department, does other department concur with proposal?  Yes       No  
 Attach comments of affected department, signed and dated by the department director or designee.

Prepared By 	Date 1/5/15	Reviewed By Sara Benson	Date 1/6/15
Department Director 	Date 1/6/15	Agency Secretary 	Date 1/6/15

**Department of Finance Use Only**

Additional Review:  Capital Outlay     ITCU     FSCU     OSAE     CALSTARS     Technology Agency

BCP Type:       Policy       Workload Budget per Government Code 13308.05

PPBA	Original Signed By Ellen Moratti	Date submitted to the Legislature JAN 9 2015
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## Analysis of Problem

### A. Budget Request Summary

The Department of Toxic Substances Control (DTSC) requests an augmentation of \$840,000 and 6.0 positions from the Toxic Substances Control Account (TSCA) for two years to develop, implement, and evaluate projects that reduce hazardous waste that is generated and treated or disposed of in California. This Community Protection and Hazardous Waste Reduction Initiative will select up to three pilot-scale projects to reduce hazardous wastes that are generated in significant quantities, can pose substantial risks or hazards to human health or the environment, and are treated or disposed in communities that are disproportionately burdened by multiple sources of pollution. The Administration will also select individuals to sit on an advisory panel that will provide guidance on the Initiative.

This Initiative is designed to effectively leverage DTSC's goal of a 50 percent reduction of hazardous waste by 2025 through using the best available technologies and systems to reduce such waste. Where this leverage is insufficient to achieve significant reductions, additional measures can be explored to compel such action. This Initiative is a pilot program to reduce hazardous waste generated in California, enhance protections and to help build more sustainable business practices and communities.

### B. Background/History

There have been many efforts to influence planning and siting actions that impact the placement and operation of hazardous waste facilities in California over the past four decades. The most appreciable progress occurred in the 1980's and 1990's as a result of the limited availability throughout the nation to burn or dispose of organic solvent wastes. Because of the concerns about incineration and the limited availability of legally operating facilities, significant efforts were undertaken, and collaboration between environmental regulators and industry achieved significant results in reducing the generation of organic solvent wastes and reducing the need to site and construct additional hazardous waste incinerators.

In addition to this effort, DTSC's previous Pollution Prevention program had two key elements:

- (1) Hazardous Waste Source Reduction and Management Review Program (Senate Bill (SB) 14) -- SB 14, enacted in 1989, requires hazardous waste generators to prepare the following three documents every four years: Source Reduction Evaluation Review and Plan, Hazardous Waste Management Performance Report, and Summary Progress Report. DTSC was required to maintain a centralized reporting system for these documents and conduct certain data analysis activities. Hazardous waste generators are still required to prepare these documents; however, DTSC is no longer required to maintain this system.

In a FY 2012-13 Spring Finance Letter that was submitted and approved, DTSC shifted resources for this program to the Safer Consumer Products Program. However, DTSC has continued to work with the local Certified Unified Program Agencies (CUPAs) to ensure that generators comply with the requirement to prepare the SB 14 documents while also focusing on expanding the capacity of local agencies to implement the Safer Consumer Products Program.

- (2) Industry Sector Source Reduction Assistance (SB 1916) -- SB 1916, enacted in 1998, required DTSC to select four industry sectors every two years and to provide focused outreach, education, and technical assistance to businesses in those sectors to reduce their generation of hazardous waste. DTSC worked with the CUPAs and other local entities to implement the program, and conducted data analysis and program evaluation activities.

DTSC also scaled back this effort, with remaining resources focused on activities that complement the Safer Consumer Products Program and help local agencies implement the program.

In 2012, the Legislature approved DTSC's request to redirect positions from the previous Pollution Prevention Program to provide the resources needed to implement part of the Safer Consumer Products regulations.

## Analysis of Problem

### DTSC's Ambitious Goal to Reduce Hazardous Waste Generation and Equity Concerns

The generation and disposal of hazardous wastes in California presents an equity issue for communities where hazardous wastes are generated and where hazardous waste landfills are operated. While hazardous waste is generated throughout California, there are only two available disposal facilities in the state. Therefore, California communities where hazardous waste disposal facilities are sited can bear a disproportionate burden of the safe and legal disposal of such wastes.

In 2013, DTSC approved the expansion of one of California's two operating hazardous waste landfills, and the Department will soon begin to review an application for a renewed permit at the other landfill. When issuing the permit to expand the hazardous waste landfill, DTSC recognized the need to address the ongoing equity concerns around the generation and disposal of hazardous wastes. To help respond to this need, DTSC announced an ambitious goal of reducing by 50 percent the amount of hazardous waste disposed of in California landfills by 2025.

With this BCP, DTSC will select up to three pilot-scale projects to reduce hazardous wastes that are generated in significant quantities, can pose substantial risks or hazards to human health or the environment, and are treated or disposed in communities that are disproportionately burdened by multiple sources of pollution. As with the earlier circumstances related to organic solvents, DTSC recognizes the value and need to engage stakeholders (e.g., government, industry, nongovernmental organizations, and the public) in helping to identify options to address the various concerns around hazardous waste generation and disposal.

Hazardous waste reduction measures may necessitate modifications to business practices. While such modifications have benefits, including reducing the costs associated with treating contaminated material and safely disposing of hazardous waste, some businesses may be hesitant to change established practices. Also, the use of new technologies and practices can require additional training and investments, which can also engender debate.

### **C. State Level Considerations**

DTSC has a broad mandate to safeguard California communities from hazardous waste while also helping businesses to minimize their generation of such waste. Hazardous waste reduction is an essential part of DTSC's mission, which is: "To protect California's people and environment from harmful effects of toxic substances by restoring contaminated resources, enforcing hazardous waste laws, reducing hazardous waste generation, and encouraging the manufacture of chemically safer products."

The Department's 2014 - 2018 Strategic Plan also recognizes the importance of reducing the generation of hazardous wastes in several areas, including:

Goal 2: Holding businesses accountable for handling the hazardous waste they generate and/or manage in a manner that complies with the law, protect public health and the environment, and seeks to reduce the generation of hazardous waste.

Objective 2.11: This objective recognizes "DTSC's public policy objectives to encourage source reduction, recycling, polluter-pays concepts, and in-state management of hazardous waste."

Objective 5.7: Develop and implement strategies to engage in a statewide dialogue to obtain ideas and input from DTSC's network of partners (including communities, the public, other government agencies, and other stakeholders) concerning DTSC's initiative to maximize the reduction in the state's hazardous waste by 2025 so as to reduce California's dependence on hazardous waste landfills and protect all impacted communities.

This proposal would improve DTSC's ability to carry out the 2014-2016 Resource Conservation and Recovery Act (RCRA) Grant Work Plan that DTSC has negotiated with United States Environmental Protection Agency (U.S.EPA). Through this Work Plan, DTSC has agreed to carry out a variety of

## Analysis of Problem

inspection, enforcement, and corrective action commitments on behalf of U.S.EPA to implement California's hazardous waste program. Historically these commitments have also included activities to further the goal of waste and source reduction.

This proposal would also facilitate DTSC's participation in CalEPA's Intra-Agency Environmental Justice Strategy and confirm DTSC's commitment to "promote enforcement of all health and environmental statutes within its jurisdiction in a manner that ensures the fair treatment of people of all races, cultures, and income levels" (CalEPA Policy Memorandum ENF-13-01). The Charter goals include (1) identifying disproportionately impacted areas for targeted compliance assistance and enforcement efforts using CalEnviroScreen and other data sources; (2) providing community stakeholders with meaningful opportunities for input on potential environmental justice concerns and the implementation of proposed remedies; and (3) incorporate community input in planning and implementing compliance assistance and enforcement initiatives in disproportionately impacted areas.

### D. Justification

DTSC has been working internally to develop a strategy to carry out the Initiative. This proposal would provide resources that will enable DTSC to develop, implement, and evaluate projects that reduce hazardous waste that is generated and treated or disposed of in California in up to three pilot-scale projects.

In the remainder of the current fiscal year, from January 2015 through June 2015, using existing resources, DTSC intends to carry out a number of meetings with interested stakeholders to initially develop a common understanding of the problem statement and the unique challenges faced by all stakeholders that are affected by the generation of hazardous wastes and their ultimate treatment and disposal in California.

#### Pilot Projects

The culmination of this stakeholder effort will be to garner agreement on identifying specific hazardous wastes generated and disposed in California that will be included in the Initiative. Stakeholders will be asked to identify at least three types of hazardous waste disposed in California's hazardous waste landfills that are generated in significant quantities, pose significant hazards or risks to human health or the environment, and that are generated in communities already disproportionately impacted by multiple sources of pollution. Such pollution includes the generation, transportation, treatment or disposal of hazardous waste (as identified using CalEPA's CalEnviroScreen tool). DTSC will select up to three waste types in consultation with the list of hazardous wastes generated by the Community Advisory Panel.

The pilot projects would each be tasked with gathering the following information:

An evaluation of waste reduction opportunities and barriers

- Technologies and Practices to Reduce Generation
  - Source Reduction, including a summary of previous source reduction activities and initiatives
  - Product Design/Hazardous content
  - Treatment/Reuse (including new technologies)
  - Recycling
  - Incineration and Combustion
  - Impact of Safer Consumer Products (SCP) on source reduction.
- Regulatory and Legal Tools
  - Generator Fees
  - Disposal Fees
  - Mandatory Waste Reduction Requirements/Schedules
  - Compliance with other laws that interface with RCRA
  - Evaluate treatability study requirements for potential to impact waste reduction

## Analysis of Problem

- Evaluate waste reduction treatment technologies
- Potential utility of creating a DTSC unit to certify or verify waste reduction technologies
- Economic Tools
  - Economic factors that influence waste reduction activities
  - Feasibility of identified options
  - Sustainability of identified options
- Other Environmental Factors
  - Impact on other environmental media (air, water waste)
  - Potential impact on climate change (Including impacts associated with transportation and treatment)

Each pilot project would be tasked with developing the following work products:

- A description of preferred hazardous waste management practices, programs, incentives, requirements, prohibitions, or other measures necessary to reduce the generation and disposal of the identified hazardous waste. At a minimum, the description is to include:
  - (i) Reducing the generation of hazardous wastes to the maximum extent feasible;
  - (ii) Reducing the use of hazardous materials and increasing the use of less or nonhazardous alternatives;
  - (iii) Reducing the disposal of hazardous waste to the maximum extent practicable;
  - (iv) Reducing the risk of exposure to communities threatened by releases of hazardous substances and hazardous wastes.
- A baseline of state-wide hazardous waste disposal and generation data for the identified waste, from which reductions are to be measured.
- A list of those waste reduction measures that have been determined to be technically feasible, an assessment of the potential for the amount of waste reduction that might be achieved if implemented, costs, economic impacts, and an evaluation of factors that could influence the achievement of those reductions for the identified waste.
- Proposal of a long term numeric goal for the reduction of the generation of the identified hazardous waste, including interim targets or milestones, costs, economic impacts, and the recommendations needed to achieve those milestones and the long-term numeric goal.
- Recommendations of the most cost-effective strategies to carry out the identified reductions.

The results of each of the pilot projects would be incorporated into a final report to the Secretary of the California Environmental Protection Agency and the relevant legislative committees with jurisdiction over the regulation of hazardous waste.

### Advisory Committee

Under this proposal, DTSC would facilitate the formation and operation of a stakeholder advisory committee modeled after the committee that was created by statute to assist DTSC in its SB 1916 sector projects. The advisory committee would meet once quarterly for the duration of the pilot projects.

The advisory committee, to be appointed by the department, would be comprised of balanced representation from the following:

- 1) Communities impacted by hazardous waste generation;
- 2) Communities impacted by hazardous waste disposal;
- 3) Local government;
- 4) Hazardous waste disposal facility operators;
- 5) Businesses that are large quantity hazardous waste generators;

## Analysis of Problem

- 6) Statewide environmental advocacy organizations;
- 7) Statewide environmental justice advocacy organizations;
- 8) Statewide business advocacy organizations; and
- 9) Academics who have researched pollution prevention in one of the selected waste types.

The purpose of the advisory committee would be to provide DTSC with the following:

Advice to the Pilot Efforts – The advisory committee would be asked to provide advice and recommendations to guide DTSC's information gathering and analysis for each of the identified pilot efforts, as well as feedback and assistance in developing the final report and recommendations.

Advice on Public Input Efforts – The advisory committee would also be asked to provide advice and recommendations on engaging the public on the efforts of each of the pilot projects. An important aspect of the pilot project efforts would be to ensure that DTSC's efforts are conducted transparently, and that the public and other stakeholders that are not members of the advisory committee have an opportunity to engage in each pilot project and provide their comments and feedback.

### E. Outcomes and Accountability.

Pilot Project Reports – By June 30, 2017, for each of the pilot projects, DTSC will produce a set of findings and recommendations associated with the hazardous waste type that was the subject of each pilot project.

Summary Report and Recommendations - By June 30, 2017, DTSC will produce a report that summarizes the findings of the pilot projects.

Advisory Committee Meetings – For the duration of the resources appropriated pursuant to this proposal, DTSC would facilitate between six and eight advisory committee meetings.

Public Stakeholder Meetings - For the duration of the resources appropriated pursuant to this proposal, DTSC would facilitate no fewer than two and no more than four public stakeholder meetings to disseminate information on the pilot project efforts and seek public input on its efforts.

### F. Analysis of All Feasible Alternatives

Alternative 1: Appropriate \$840,000 and 6.0 positions for two years to implement and evaluate up to three pilot projects to reduce the generation of hazardous wastes that are treated or disposed in California.

#### Pro:

- The adverse impacts on communities where hazardous wastes are generated, and disposed, could be mitigated, and the burden of California's hazardous waste management could be shifted from such communities.
- DTSC can take advantage of an opportunity to start to significantly reduce the quantity of hazardous wastes generated and disposed in California.
- DTSC would be able to learn more about issues hazardous wastes that are being generated in larger quantities, and the issues that influence generation and disposal decisions.
- DTSC would be able to identify technological, economic or other factors that cause higher volume, higher risk hazardous wastes to continue to be generated and disposed in California.
- DTSC would be able to identify statutory and regulatory changes that could assist in significantly reducing the amounts of hazardous waste being generated.

#### Con:

## Analysis of Problem

- Requires additional TSCA funds and allocation of additional positions.

### **Alternative 2: Redirect existing staff and program resources.**

#### Pro:

- Requires no additional funds or allocation of additional positions.
- Ensures TSCA funds remain available for other DTSC priorities.

#### Con:

- Would result in other priority work and assignments that rely upon TSCA funds (e.g., cleanups of contaminated sites and work on Safer Consumer Products) to be deferred.

### **Alternative 3: Do Nothing**

#### Pro:

- Requires no additional funds or allocation of additional positions.
- These TSCA funds would remain available for other DTSC priorities.

#### Con:

- DTSC would miss an opportunity to start to significantly reduce the quantity of hazardous wastes generated and disposed in California.
- DTSC would miss an opportunity to address issues in communities disproportionately impacted by health and environmental factors.

## **G. Implementation Plan**

### **January 2015 – June 2015**

Conduct stakeholder engagement and public outreach to solicit nominations for the pilot projects to be conducted using the resources from this proposal.

### **April 2015**

Begin the recruitment process to fill positions in anticipation of Budget Act signature.

### **July 2015**

Receive nominations for and select the members of the Advisory Committee.

Begin to gather information related to the identified pilot projects.

### **August 2015**

Develop draft work plans for each of the identified pilot projects.

Convene the first meeting of the Advisory Committee, for their feedback on the draft work plans.

### **September 2015 – June 2018**

Implement the finalized pilot project work plans.

Develop a report of findings and recommendations from each pilot project.

## **H. Supplemental Information**

DTSC requests \$200,000 for contracts for meeting facilitation services and stakeholder meeting venue costs. DTSC estimates between six and eight advisory committee meetings, and no fewer than two and no more than four public stakeholder meetings. Under this proposal, the 6.0 requested positions would be housed at the Sacramento Headquarters office.

**I. Recommendation**

Approve Alternative 1 and appropriate \$840,000 and 6.0 positions for two years to implement and evaluate, on a pilot scale, approaches to reduce the generation of hazardous wastes that are treated or disposed in California. Up to three pilot projects will be selected from among hazardous wastes that pose more significant risks or hazards, and that disproportionately affect California's most vulnerable communities. The Initiative will receive guidance and advice from an advisory group that is selected by DTSC.

# BCP Fiscal Detail Sheet

BCP Title: Hazardous Waste Reduction

DP Name: 3960-006-BCP-DP-2015-GB

## Budget Request Summary

FY15

	CY	BY	BY+1	BY+2*	BY+3*	BY+4*
Positions - Temporary	0.0	6.0	6.0	6.0	0.0	0.0
<b>Total Positions</b>	<b>0.0</b>	<b>6.0</b>	<b>6.0</b>	<b>6.0</b>	<b>0.0</b>	<b>0.0</b>
Salaries and Wages	0	378	378	0	0	0
Earnings - Permanent	\$0	\$378	\$378	\$0	\$0	\$0
<b>Total Salaries and Wages</b>	<b>0</b>	<b>172</b>	<b>172</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Staff Benefits</b>	<b>\$0</b>	<b>\$550</b>	<b>\$550</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Personal Services</b>	<b>0</b>	<b>42</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>0</b>
Operating Expenses and Equipment	0	6	6	0	0	0
5301 - General Expense	0	12	12	0	0	0
5304 - Communications	0	12	12	0	0	0
5320 - Travel: In-State	0	200	200	0	0	0
5322 - Training	0	18	0	0	0	0
5340 - Consulting and Professional Services - External	\$0	\$290	\$272	\$0	\$0	\$0
5362 - Capital Asset Purchases - Equipment	\$0	\$840	\$822	\$0	\$0	\$0
<b>Total Operating Expenses and Equipment</b>	<b>\$0</b>	<b>\$840</b>	<b>\$822</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Budget Request</b>	<b>0</b>	<b>840</b>	<b>822</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Fund Summary</b>	<b>\$0</b>	<b>\$840</b>	<b>\$822</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Fund Source - State Operations	0	840	822	0	0	0
0557 - Toxic Substances Control Account	\$0	\$840	\$822	\$0	\$0	\$0
<b>Total State Operations Expenditures</b>	<b>\$0</b>	<b>\$840</b>	<b>\$822</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total All Funds</b>	<b>0</b>	<b>840</b>	<b>822</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Program Summary</b>	<b>\$0</b>	<b>\$840</b>	<b>\$822</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Program Funding	0	840	822	0	0	0
3630 - Safer Consumer Products	0	6	6	0	0	0
9900100 - Administration	0	-6	-6	0	0	0
9900200 - Administration - Distributed	\$0	\$840	\$822	\$0	\$0	\$0
<b>Total All Programs</b>	<b>\$0</b>	<b>\$840</b>	<b>\$822</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Personal Services Details**

Positions	Salary Information				
	Min	Mid	Max		
0765 - Sr Envirnal Scientist (Spec) (Eff. 07-01-2015)(LT 06-30-2017)	0.0	3.0	3.0	3.0	-
1139 - Office Techn (Typing) (Eff. 07-01-2015)(LT 06-30-2017)	0.0	1.0	1.0	1.0	-
5373 - Public Participation Spec (Eff. 07-01-2015)(LT 06-30-2017)	0.0	1.0	1.0	1.0	-
5393 - Assoc Govtl Program Analyst (Eff. 07-01-2015)(LT 06-30-2017)	0.0	1.0	1.0	1.0	-
<b>Total Positions</b>	<b>0.0</b>	<b>6.0</b>	<b>6.0</b>	<b>6.0</b>	<b>0.0</b>

	CY	BY	BY+1	BY+2*	BY+3*	BY+4*
<b>Salaries and Wages</b>						
0765 - Sr Envirnal Scientist (Spec) (Eff. 07-01-2015)(LT 06-30-2017)	0	219	219	-	-	-
1139 - Office Techn (Typing) (Eff. 07-01-2015)(LT 06-30-2017)	0	37	37	-	-	-
5373 - Public Participation Spec (Eff. 07-01-2015)(LT 06-30-2017)	0	61	61	-	-	-
5393 - Assoc Govtl Program Analyst (Eff. 07-01-2015)(LT 06-30-2017)	0	61	61	-	-	-
<b>Total Salaries and Wages</b>	<b>\$0</b>	<b>\$378</b>	<b>\$378</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

	CY	BY	BY+1	BY+2*	BY+3*	BY+4*
<b>Staff Benefits</b>						
5150350 - Health and Welfare Insurance	0	52	52	0	0	0
5150450 - Medicare Taxation	0	5	5	0	0	0
5150500 - OASDI	0	23	23	0	0	0
5150600 - Retirement - General	0	92	92	0	0	0
<b>Total Staff Benefits</b>	<b>\$0</b>	<b>\$172</b>	<b>\$172</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Personal Services</b>	<b>\$0</b>	<b>\$550</b>	<b>\$550</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

\*Data by Classification not available at this time.

DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
 Workload Analysis Chart  
 Budget Request Name: 3980-008-BCP-BR-2015-GB  
 Budget Request Description: Hazardous Waste Reduction  
 PRIORITY: 3

ACTIVITY/TASK	Basis/Assumption for Workload Standard	PROJECTED 2015-16					DIFFERENCE ADDITIONAL NEEDED
		HOURS TO COMPLETE TASK	NUMBER OF TASKS PER YEAR	NUMBER OF HOURS NEEDED PER YEAR	NUMBER OF HOURS IN BASE FOR ACTIVITY		
Track the participants of the various workshops and meetings to involve stakeholder input on the waste reduction activities, including the development of workshop materials, stakeholder surveys, Coordinate with Technical staff to develop the necessary training survey forms Participant information will be gathered and developed into an electronic data system for community and sensitive population analysis and other functions.	Based on DTSC's previous Office of Pollution Prevention and Technology Development's (OPPTD) experience in developing and conducting past pollution prevention training such as for the Vehicle Service Repair Project and the Auto Body and Paint Shop Project, which included the development and distribution of training surveys and certificates.	140	4	560	0	560	
Assist in facilitating meetings and workshops, including necessary logistical support and the required tracking of all participants in meetings, workshops, site visits. Participant information will be gathered and developed into an electronic data system for easier retrieval.	Based on OPPTD's past experience in developing and conducting past SB1916 Projects such as the Vehicle Service Repair Project and the Auto Body and Paint Shop Project, which included the development and distribution of multimedia resources, including development of new training curriculum.	140	4	560	0	560	
Conduct scoping/coordination meetings to develop waste reduction framework, including agendas, to targeted industrial sector such as stakeholders, such as, industry both large and small, academia, local government, Non-Governmental Organizations (NGOs), non-profits and to perform duties as a facilitator or moderator for meetings and workshops on available technologies and processes for use by industries on best management practices and pollution prevention alternatives.	Based on OPPTD's past experience in developing and conducting past symposia such as the Green Chemistry Symposium I & II and the Nanotechnology Symposium.	140	4	560	0	560	
Establishment and management of an Advisory committee to provide input on activities associated with the waste reduction initiative	Based on OPPTD's past experience in developing and conducting past SB1916 Projects such as the Vehicle Service Repair Project and the Auto Body and Paint Shop Project, which included the development and distribution of multimedia resources, including development of new training curriculum.	126	10	1,260	0	1,260	
Apply the principles and procedures of hazardous material management and resource recovery, water, soil and air quality management and environmental planning; investigatory methods will be utilized when coordinating with industries, universities and other agencies for implementation of technologies and/or processes, through onsite visits, mail outs, electronic communications, or providing electronic files.	Based on OPPTD's past experience in developing and conducting past SB1916 Projects such as the Vehicle Service Repair Project and the Auto Body and Paint Shop Project, which included the development and distribution of multimedia resources, including development of new training curriculum.	500	3	1,500	0	1,500	

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		PROJECTED 2015-16					DIFFERENCE
ACTIVITY/TASK		HOURS TO COMPLETE TASK	NUMBER OF TASKS PER YEAR	NUMBER OF HOURS NEEDED PER YEAR	NUMBER OF HOURS IN BASE FOR ACTIVITY	ADDITIONAL NEEDED	
Apply the principles and procedures of hazardous material management and a high level of scientific expertise when assessing new environmental technologies which are developed into new training workshops (including PowerPoint and audio visual materials) focused on the new pollution prevention technologies and/or techniques that are viable for the targeted industries using new resources developed.	Basis/Assumption for Workload Standard Based on OPPTD's past experience in developing and conducting past SB1916 Projects such as the Vehicle Service Repair Project and the Auto Body and Paint Shop Project, which included the development and distribution of multimedia resources, including development of new training curriculum.	500	3	1,500	0	1,500	
Research, categorize, and evaluate new waste reduction technologies and processes as well as the health effects of hazardous substances used by industries; apply scientific principles to assess the more difficult and highly complex environmental impacts associated with these environmental technologies, and develop new resources for industry. (including marketing and promotion aspects)	Based on OPPTD's past experience in developing and conducting past SB1916 Projects such as the Vehicle Service Repair Project and the Auto Body and Paint Shop Project.	500	3	1,500	0	1,500	
Apply the basic principles of research in chemical, biological, physical and environmental science when developing technical documents which help identify the more complex and highly technical aspects of the regulatory and statutory impacts of pollution prevention alternatives and develop resources to assist industry with achieving compliance. (PowerPoint training materials, presentation materials, posters, bulletins, fact sheets)	Based on OPPTD's past experience in developing and conducting past SB1916 Projects such as the Vehicle Service Repair Project and the Auto Body and Paint Shop Project.	500	3	1,500	0	1,500	
Conduct a complex and highly detailed analysis of available hazardous waste data including SB 14 data such as Summary Progress Reports, Hazardous Waste Tracking System manifest data, Biennial Generator Report data, and data from the Internet to identify California's critical generators and waste streams, using a high level of expertise and perform trend analysis	Based on OPPTD's past experience in developing and conducting past SB1916 Work plans.	500	3	1,500	0	1,500	
General Office Support to include finalization of documents, scheduling, filing, etc. Provide support for workshops, meetings, and other public events hosted by DTSC, including accepting comments online, telephonically or through the mail, preparing information packets for participants and speakers, coordinating necessary logistics, such as audio/visual support and other presentation support. Coordinate and prepare travel documents/arrangements for Advisory committee		2	180	360	0	360	
<b>TOTAL HOURS REQUIRED PER YEAR</b>				<b>10,800</b>	<b>0</b>	<b>10,800</b>	
<b>NUMBER OF FY (Position) NEEDED (HRS/1800)</b>				<b>6.00</b>	<b>0</b>	<b>6.00</b>	