Used Oil/HHW Training & Conference – April 9, 2015

# Implementing a Successful Used Oil/ Filter Curbside Collection Program

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### Learning Outcomes



After completing this workshop, participants will be better equipped to answer the following questions:

- What are the obstacles that impede implementation of a used oil/filter curbside collection program?
- What qualities and characteristics make a successful used oil/filter curbside collection program?
- What steps are involved in implementing a used oil/filter curbside collection program?



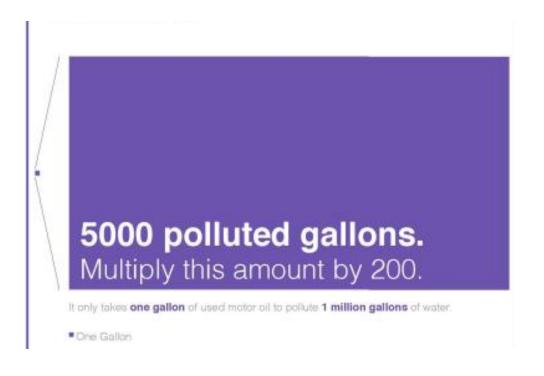
### Outline of Workshop

- Introduction
  - Problem of improper disposal
  - Benefits of curbside collection (CC)
- Purpose and methodology of Cal Poly project
- Obstacles to implementation of used oil/ filter CC - small group discussions
- Research findings to date (literature, survey, and interviews)
- Targeting Success Guidance for California Jurisdictions
  - Overview of guidance document
  - Review selected section as example
- Wrap-up





## Why Worry About Improper Disposal of Used Oil and Filters?



- Environmental damage
  - 1 gallon of oil can pollute1 million gallons of water
- Loss of valuable resources
  - Used oil can be re-used
  - Filters contain recyclable oil and steel



### Why Worry About Improper Disposal of Used Oil and Filters?

(continued)

- Estimated improper disposal by DIYers in 2003-04
  - nearly 14 million gallons of used oil (44% of oil consumed)
  - Between 10-24 million used filters (41-96% of filters disposed), each containing more than 10 ounces of used oil



Source: Public Research Institute, San Francisco State University (SFSU), 2005



## Why Curbside Collection of Used Oil and Filters?

In collecting used oil and oil filters -

# convenience for the DIYer is critical

 and curbside collection is almost as convenient as throwing used oil and filters in the trash!



Curbside collection and collection at drop-off centers (including certified collection centers) are complementary, but curbside collection is typically more convenient



# Why Curbside Collection of Used Oil and Filters? Findings from SFSU report (2005)



- Making curbside collection widely available reduces the rate of improper disposal more than making collection at drop-off centers (including certified collection centers) very convenient
- Because of the high level of convenience it offers, "curbside collection ... can reduce improper disposal to zero where it is widely available"



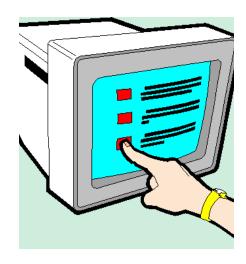
### Cal Poly Study

- PURPOSE: To identify the obstacles facing local jurisdictions in implementing a successful and sustainable used/filter curbside collection program
- PRODUCT: A list of qualities or characteristics that would make a jurisdiction more likely to be successful in implementing a used oil/filter curbside collection program
- DISSEMINATION: Results to be shared widely throughout California in the hope of fostering the establishment of new programs and increased participation in existing programs



### Methodology

- Literature review
- Online survey of local jurisdictions
- Follow up / interviews
- Analysis of demographics
- Preparation of report and training/support materials
- Provision of training/support





# Small Group Discussion – Jurisdictions with Existing Used Oil/Filter Curbside Collection

- First, individually jot down a list of up to 5 obstacles your jurisdiction has had to overcome or still faces in implementing a used oil/filter curbside collection program
- Then, join a small group to discuss obstacles identified on your and other participants' lists, and ways of overcoming them





# Small Group Discussion – Jurisdictions without Existing Used Oil/Filter Curbside Collection

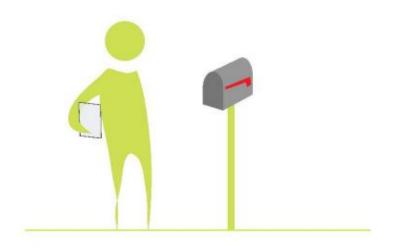


- First, individually jot down a list of up to 5 obstacles you believe your jurisdictions would face in implementing a used oil/filter curbside collection program at this time
- Then, join a small group to discuss obstacles identified on your and other participants' lists, and ways of overcoming them



### Findings to Date - Survey & Interviews

- Purpose
- Types of questions
- Numbers
  - About 240 surveyed
  - <sub>o</sub> 141 completed responses
  - Follow-up interviews with more than 20 jurisdictions





#### Obstacles – Real or Perceived

#### Most broadly cited or observed

- Frame of mind
- Costs anticipated to be too high
- Fear of spills/environmental damage and/or of rainfall contaminating the oil
- Quantities for collection anticipated to be too low
- Resistance from haulers
- Perception that CC doesn't make sense in a dispersed rural community





#### Obstacles – Real or Perceived

#### Less broadly cited or observed

- Inertia
- Perception that "majority of jurisdictions with curbside have low success ratings"
- Administrative burden anticipated to be too high
- Perception that existing drop-off centers (certified collection centers, ABOPs, etc.) are convenient and adequate without adding CC program
- "No companies proposed oil collection when we put out an RFP" (for renewed garbage collection) - "it is not a priority for our jurisdiction"
- "Not aware of significant illegal disposal"
- "Very little demand from citizens"
- Belief that collecting curbside would be at expense of certified collection centers
- More demand for HHW program than for used oil/filter program
- Perception that certified collection centers collect much more oil than curbside despite extensive CC advertising



### Key Elements of Successful CC Programs



- Leadership
- Frame of mind
- Networking
- Features
  - Willingness of hauler to participate
    - At least break even financially
  - Simplicity, convenience, and normalcy for households
  - Effective outreach



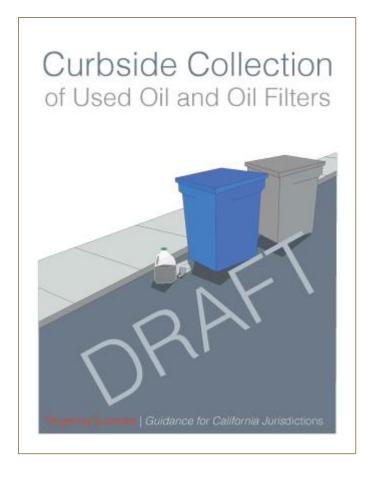
### Findings to Date – Demographic Analysis

- Purpose
- Regression analysis
- Vector analysis

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172	2	City of Upland	0.9062653	172	2	City of Upland	1.09670
18	3	Santa Barbara County	0.9639366	183	3	City of Whittier	1.12125
31	4	Ventura County		115	4	City of Oceanside	1.17568
15	5	City of Oceanside	1.1025442	70	5	City of Glendora	1.31456
83	6	City of Whittier	1.1100043	151	6	City of San Marcos	1.69838
0	7	City of Glendora	1.2213139	4.4	7	City of Covina	1.79419
51	8	City of San Marcos	1.3811055	177	8	City of Vista	1.85353
7	9	City of Camarillo		47	9	City of Cypress	1.90167
77	10	City of Vista		87	10	City of Lake Forest	1.95592
4	11	City of Covina		112		City of Novato	2.03174
7	12	City of Cypress		215	12	San Joaquin County	2.09447
	13	City of Novato		117		City of Ontario	
7	14	City of Lake Forest			14	City of La Mirada	2.34649
	15	San Joaquin County	2.0406067	134		City of Rancho Cucamonga	2.41456
17	16	City of Ontario		88	16	City of Lakewood	2.42189
8	17	City of Lakewood		163		City of Simi Valley	2.52691
80	18	City of West Covina		125		City of Pico Rivera	
2	19	City of La Mirada		93		City of Lompoc	
	20	City of Rancho Cucamonga		131		City of Pomona	
0	21	City of Carson				Santa Barbara County	2.6181
05 31	22	City of Montebello		159 50	22	City of Santa Paula	2.6372
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# Targeting Success Guidance for California Communities





## Targeting Success Draft Table of Contents



- Purpose
- Why is This Important?
  - Importance of Preventing Improper Disposal
  - Superiority of Curbside Over Collection Centers



# Targeting Success Draft Table of Contents (continued)

- Steps Toward Implementing a Used Oil/Filter Curbside Collection Program
  - Determine if Your Jurisdiction is a Good Candidate
  - Identify Individuals Who Will Lead Recycling Efforts
  - Decide on Goals and Objectives
  - Develop Support for Implementing Program
  - If Private Hauler(s) Used, Contact to Discuss
  - Determine Appropriate Program Elements for Your Jurisdiction
  - Decide on Outreach Strategy
  - Consider Community Based Social Marketing
  - Consider How the Program Will be Financed
  - Address Legal and Administrative Requirements
  - Ensure Your Program Will be Sustainable
- Additional Information
- Glossary + List of Acronyms



### Targeting Success – Sample (Draft) Determine if Your Jurisdiction is a Good Candidate

- Is there evidence to suggest that improper disposal of used oil and/or filters is a significant problem in your jurisdiction?
- Does the jurisdiction have demographic characteristics similar to those of jurisdictions currently offering successful programs and/or are there other jurisdictions nearby running successful programs?
- Are there populations especially those living in single-family residences - that are not well served by drop-off centers?
- Is curbside collection of garbage (and possibly recyclables) already offered in all or some areas of your jurisdiction?



### Next Steps

- Complete Targeting Success document and video
  - Your input welcomed
- Conduct workshops in northern, central, and southern regions of the state
  - Let us know if your jurisdiction would welcome an invitation
- Provide additional assistance/ support as requested





# For More Information or Support, and/or To Request an Invitation to a Workshop

Please contact:

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