

Clean Communities Plan Boyle Heights Pilot Study Area

June 25, 2014



Boyle Heights Work Plan Structure



Technology,
Funding,
Projects,
and
Showcase



Partnership



Education
and
Outreach



Emissions
Inventory
and
Monitoring



Community
Well Being



Evaluation



Air Shed Grant Programs



Technology,
Funding,
Projects,
and
Showcase

- Scope of Air Shed Grant - Began with:
 - Vehicle Maintenance – Aqueous Brake Cleaners
 - Auto Refinishing – Laser Spray Guides
 - Commercial Green Cleaners
 - Boiler Efficiency Upgrades & Replacements
 - Architectural Coatings
 - Electric Lawn Mowers
 - Commercial Leaf Blowers

Programs Added or Expanded to Air Shed Grant



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- New Programs
 - Commercial Electric Lawn Mowers
 - Weatherization of Homes near Freeways and Intermodal Facilities
 - Air Filtration for Schools
- Expanded Program
 - Wood Burning Fireplace/Stove Voucher Program

Commercial Electric Lawn Mowers



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- Available to non-profit or government agencies
- Implementation pilot study
 - Users to provide information on usage and fuel savings
 - Cost & emission benefits will be determined
- No cost to users
 - Value of mowers ranges from \$3000 to \$20,000



Weatherization of Homes Near Freeways and Intermodal Facilities



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- Goals of weatherization program:
 - Reduce residential exposure to DPM
 - Reduce energy usage
- Weatherization measures
 - Insulation
 - Weather-stripping
 - Duct repair
 - High efficiency furnace filter
- Currently working on RFP for contractor(s)
- RFP to AQMD Board in September 2014

Air Filtration in Schools



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- Install air filtration in schools near:
 - Freeways, major transportation corridors, and/or intermodal facilities
- Reduce school children exposure to toxics and criteria pollutants
- Program includes
 - Installation of high performance filters
 - Data collection & testing
 - Training of school staff on maintenance & operation
 - 5-year filter supply

Seven Air Filtration Systems Installed in Local Schools



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- Sunrise Elementary School (MELA) – March 2012
- Second Street Elementary School (MELA) – March 2012
- Soto Elementary School (MELA) – March 2012
- Resurrection Elementary School (MELA) – June 2012
- Santa Isabel Elementary School (MELA) – July 2012
- Santa Teresita Elementary School (MELA)– July 2012
- Salesian High School (MELA, Targeted Air Shed, Priority Reserve Grants) – August 2013

MELA – Mothers of East Los Angeles

Low Emission Wood Burning Fireplace/Stove Voucher Program



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- Program was formerly applicable to conversion to gas logs
- New incentives for:
 - Fireplace inserts
 - Wood stoves
 - Alcohol-fueled devices
- Incentive amounts depend on:
 - Availability of gas service
 - Wood is used as primary heat source
- <http://www.aqmd.gov/docs/default-source/planning/Wood-Burning-Device/faq.pdf?sfvrsn=9>

Incentives for Gas Logs, Fireplace, Stove Inserts

Current Condition - Wood Burning Device with:	Your replacement options	General Incentive	Low Income Incentive ²
Gas Service Available	Gas Logs	\$200	\$400
	Gas or Electric Fireplace/Stove/Insert	\$800	\$1,600
	Alcohol Fueled Device	\$300	\$600
No Gas Service Available OR Wood Used as a Primary Source of Heat (with or without gas service)	Gas Logs,	\$200	\$400
	Gas or Electric Fireplace/Stove/Insert	\$800	\$1,600
	Certified Wood Stove/Insert (replacing uncertified stove ³ or open fireplace)	\$600	\$1,200
	Alcohol Fueled Device	\$300	\$600
	EPA Qualified Fireplace Retrofit Kit.	\$100	\$200

*The voucher incentive amount is taken off the total price (including sales tax) to purchase and install a device.

NOTE: Additional discounts may be available from the manufacturer or retailer. Check with participating retailers.

Auto Expo in Boyle Heights



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- Hosted Auto Expo at L.A. Trade Tech in August 2013
- Expo included:
 - Demonstration of alternative -fueled vehicles
 - Training on high-efficiency spray painting
 - Education on lower-polluting VOC products
- Provided local auto body and repair shops with 20 lasers for spray guns and 6 aqueous brake cleaners: \$14,100



Rule 1420.1 – Large Lead-Acid Battery Recyclers



Community
Well Being

- Amended Rule 1420.1 on January 10 and March 7, 2014
 - Established emission limits for lead, arsenic and toxics organics
 - Requirements to fund a continuous multi-metals monitoring demonstration program
 - Curtailment provisions
 - Investigation provisions for unplanned shutdowns

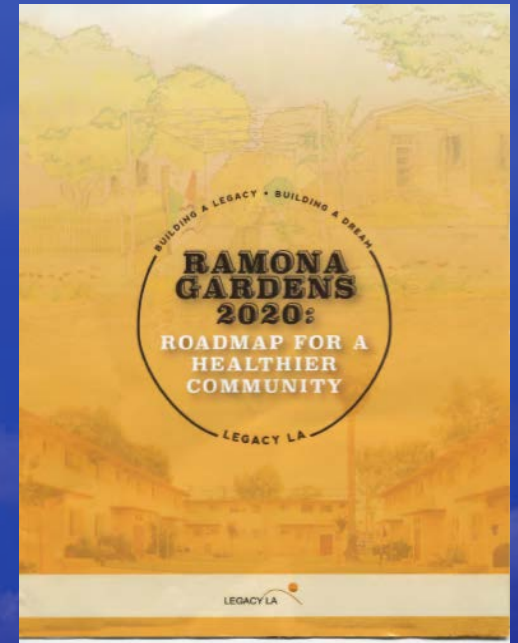


Legacy LA – Ramona Gardens 2020



Partnership

- SCAQMD first met with Legacy LA in 2013
- Non-profit - focused on youth development
- Youth working on “Ramona Gardens 2020: Road Map for Healthier Community”
 - Healthy Food
 - Environmental Justice
 - Access to Resources and Safe Walkable Streets



Legacy LA – Vision for 2020 Environmental Justice

- Youth representatives presented proposals and solutions to Environmental Justice in their neighborhood
- Air filtration for Murchinson Elementary and Santa Teresita Parochial Schools
- Weatherization for homes and units near freeways



Legacy LA – Vision for 2020

Environmental Justice

- SCAQMD staff initiated process for evaluate Murchison Elementary School for air filtration
- Air filtration has been installed at Santa Teresita Parochial school through MELA
- SCAQMD staff developing an RFP for weatherization of homes near freeways



Priority Ranking for Boyle Heights Air Quality Issues

Issue	Overall Priority Ranking (1-High, 8-Low)
Air Quality Assistance in Highly Impacted Areas – Assist & educate businesses regarding pollution control equipment	1
Emissions from Diesel Trucks – Study truck routes within Boyle Heights	2
Proximity of Community to Freeways and Major Roadways – Ways to minimize exposure to freeway emissions	3
Facility Identification- Investigate unmarked facilities for compliance with AQMD Rules	4
Rendering Facility Odors - Investigate ways to minimize odors from rendering	5 (tie)
Templates for "Model" Air Quality Facilities – Develop model facility for several industry categories	5 (tie)
Community Spray Booth – Investigate potential usage of another spray booth for community members	7
99 Cents Only Stores Warehouse – Ways to reduce neighbors' exposure to DPM emissions from delivery trucks	8

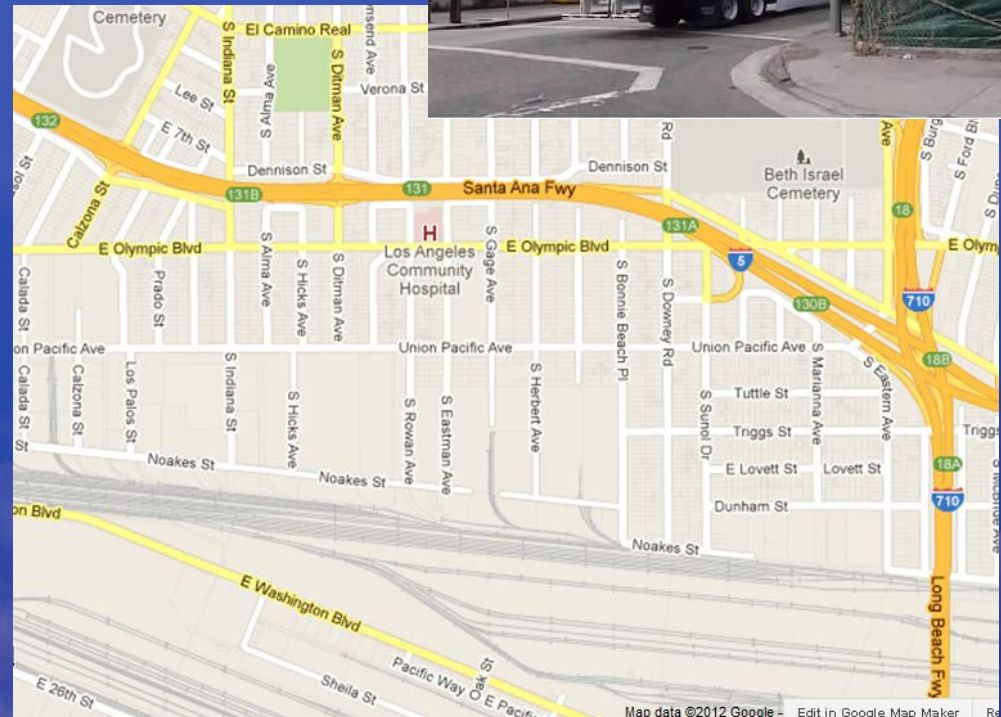
99 Cents Only Warehouse

- Site visit on October 9, 2012
- Met with Jim Parros
 - Senior VP/Logistics
- Purpose of visit
 - Explain CCP
 - Convey community concerns
 - Discuss possible measures
- 99¢ Only Stores Warehouse may be willing to consider
- Scheduling a follow-up meeting in July 2014



99 Cents Only Truck Route

- Facility has designated truck routes
 - Indiana to Olympic to Freeways
 - Designated truck route only for 99 Cents Only trucks – not for vendor trucks



99 Cents Only Warehouse (Cont.)

- Replaced 24 older diesel trucks with cleaner diesel trucks meeting 2007* emission standards (Source: Prop. 1B Funding)
- Replaced 40 older diesel trucks with 40 CNG trucks
 - Trucks leased from Ryder
 - American Recovery and Reinvestment Act (ARRA) funding
- No information on vendor trucks (i.e. Non-99 Cent Only Trucks)



*Equipped with diesel particulate filters (DPF) for particulate control

99 Cents Only Warehouse (Cont.)

- CNG Refueling Station
 - AQMD provided consulting services on fueling station design
 - AQMD did not provide funding for CNG fueling station
 - No public access
 - Fueling station only benefits one facility



Heritage Crematory

- Identified as a potential source of smoke and odors during Boyle Heights pre-tour by Father John Moretta and Rafael Yanez



Heritage Crematory (*cont.*)

- Facility operates four crematory furnaces
 - No restriction on operating hours or schedule (24/7)
 - All furnaces required to comply with 60 ppm Rule 1147 NOx limit
 - Two furnaces require burner replacement
 - Applications filed June 2012 to replace burners
 - Permits to Construct issued August 2012
 - Source tests conducted October 2012 demonstrate compliance
 - Recent inspections confirm facility compliance with applicable air quality regulatory requirements

Heritage Crematory (cont.)

Year	Agency	Event
1994	AQMD	<ul style="list-style-type: none"> Issued Notice of Violation (NOV) to facility for creating excess visible emissions and creating a public nuisance (Rule 401, Cal H&S Code § 41700)
	DCA	<ul style="list-style-type: none"> Placed facility on probation
1998	DCA	<ul style="list-style-type: none"> Suspended facility license Allowed facility operation under settlement agreement
2000	AQMD	<ul style="list-style-type: none"> Issued NOV to facility for creating excess visible emissions (Rule 401, Cal H&S Code § 41701)
2001	AQMD	<ul style="list-style-type: none"> Issued NOV to facility for creating excess visible emissions (Rule 401, Cal H&S Code § 41701)
2008	AQMD	<ul style="list-style-type: none"> Last AQ complaint reported against facility (22 reported from 1993-2008, 12 reported in 2005 alone)
2011	AQMD	<ul style="list-style-type: none"> Received applications for Change of Ownership from new owner SCI Southern California Funeral Services
2012	AQMD	<ul style="list-style-type: none"> Issued permits to new owner SCI Southern California Funeral Services

AQMD Staff Approach to Identify Unpermitted Facilities

- AQMD staff drove Union Pacific and Pico in May 2012 and October 2012
- Many businesses were unmarked
- Visually identified facilities that may be conducting operations requiring an AQMD permit
- Removed facilities
 - Already in AQMD permit database
 - Facilities with recent inspection that showed no permitted equipment



Identifying Unpermitted Facilities (*cont.*)

- Identified 29 potentially unpermitted facilities
- AQMD staff made first contact
 - “No-fault” inspections using Small Business Assistance Unit
 - Provided facility information regarding regulatory compliance, if needed



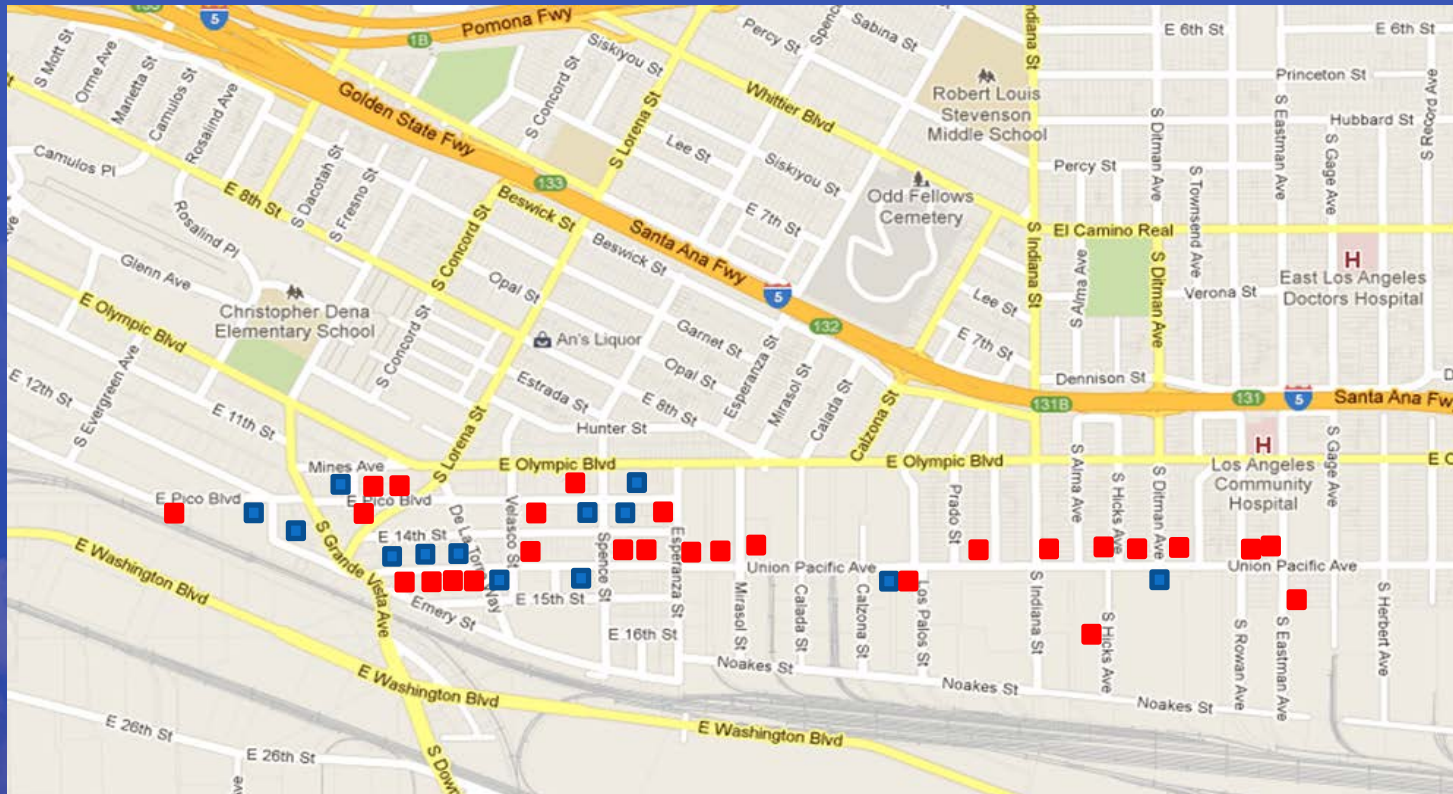
Identifying Unpermitted Facilities (*cont.*)

- SCAQMD Small Business Assistance staff contacted 29 facilities
- Most facilities did not require SCAQMD permits
- Recommended follow-up for 6 facilities for various issues



Facilities Investigated along Pico and Union Pacific

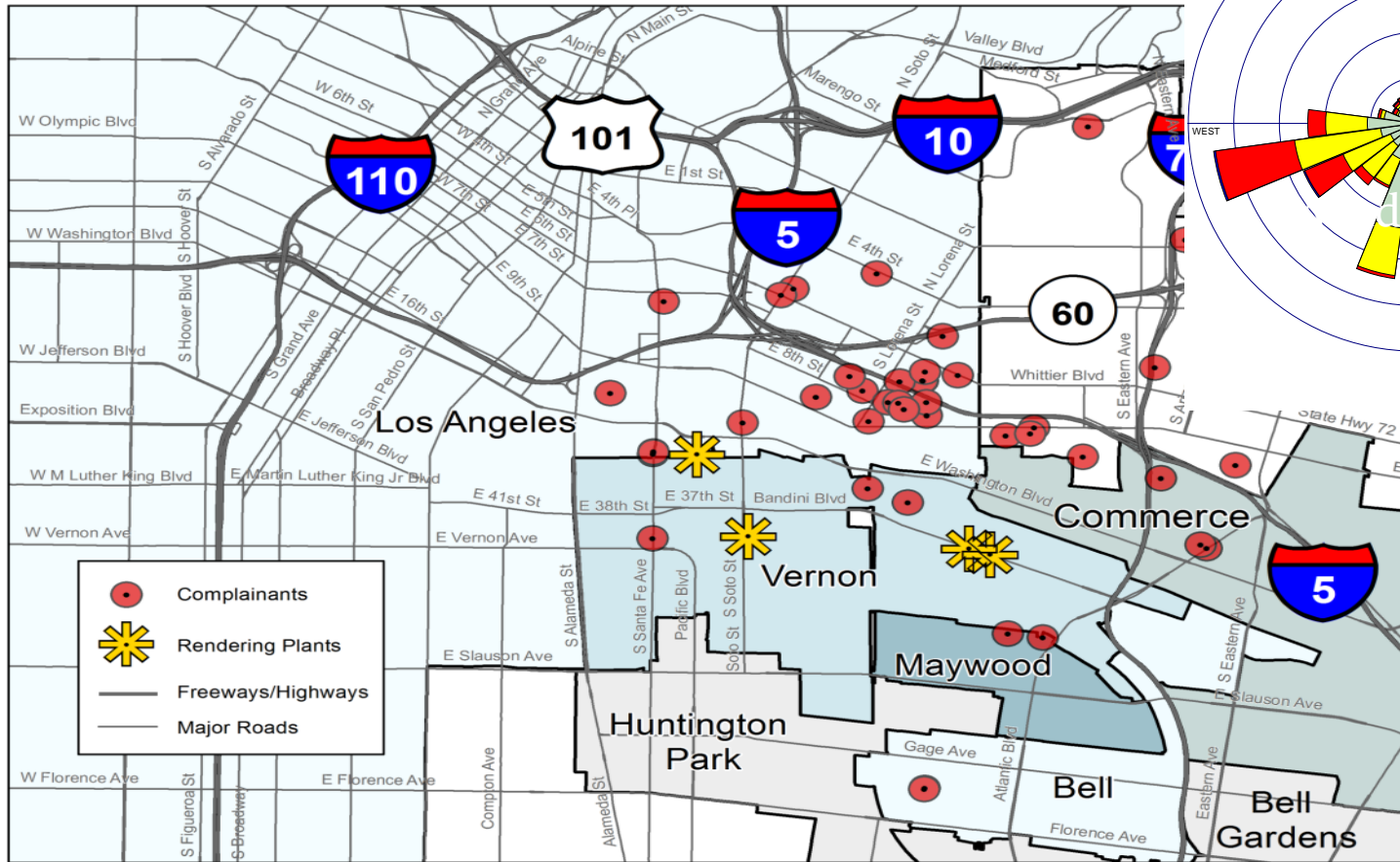
- Permitted facilities in blue



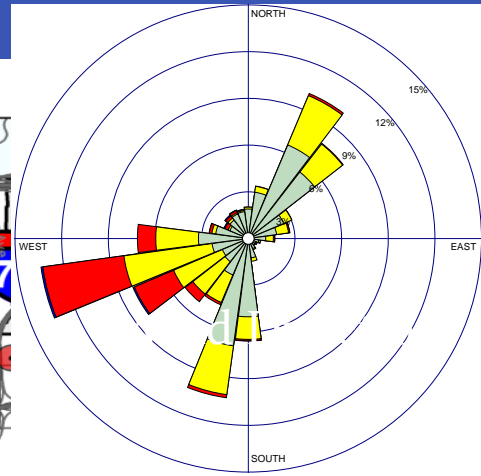
Rendering Plant Odors

- Four rendering facilities near Boyle Heights
 - Baker Commodities
 - Darling International
 - Clougherty Packing/Farmer John
 - West Coast Rendering/D & D Services
- ~350 odor complaints in 10 years (2002 – 2011)
 - Most from addresses in Boyle Heights
 - Not all complaints verified by inspector

Rendering Plant Odors (cont.)



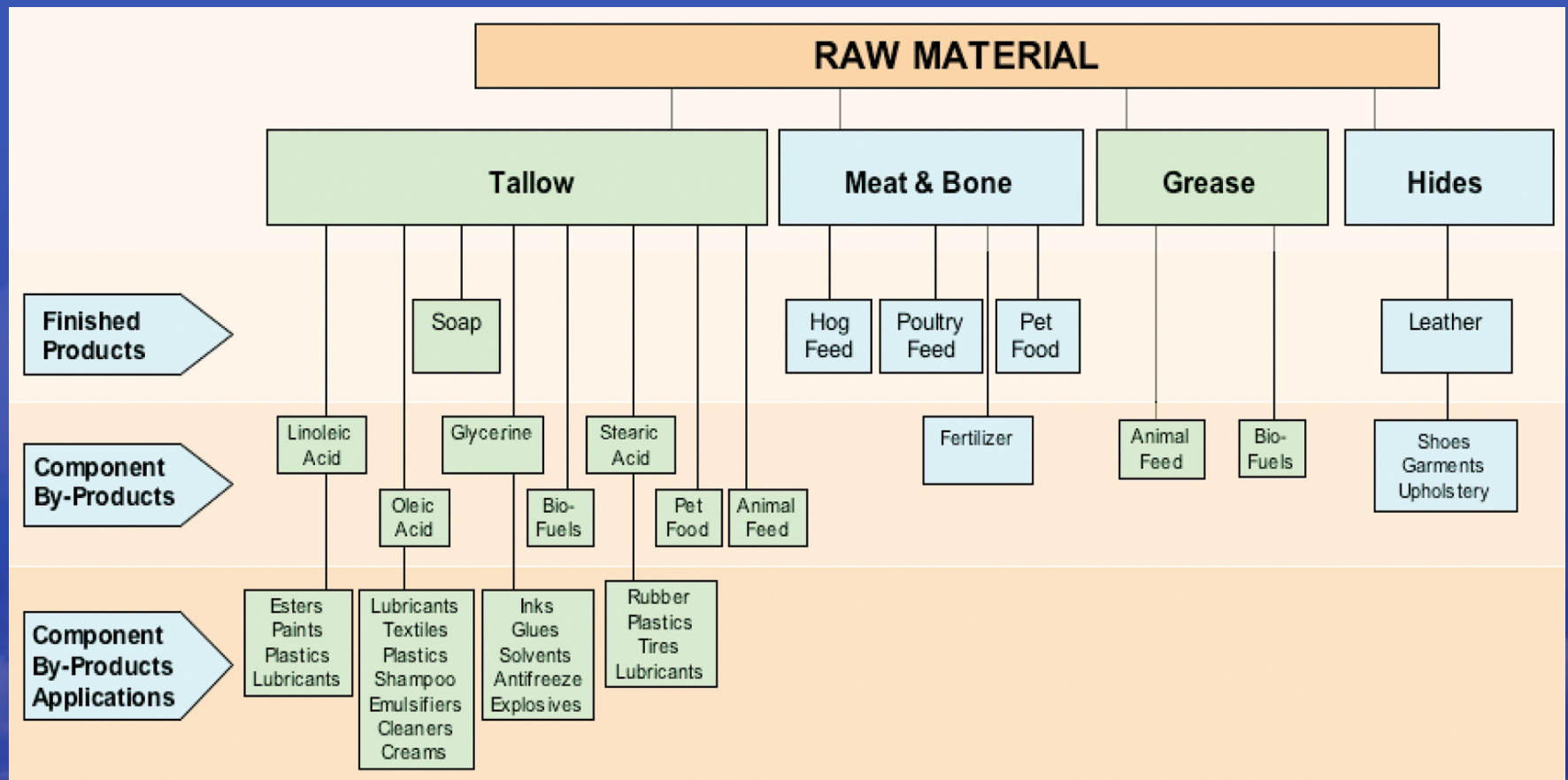
- Complainants
- ★ Rendering Plants
- Freeways/Highways
- Major Roads



- WIND SPEED (m/s)
- >= 11.1
 - 8.8 - 11.1
 - 5.7 - 8.8
 - 3.6 - 5.7
 - 2.1 - 3.6
 - 0.5 - 2.1
 - Calms: 0.00%

General Rendering Operations

(courtesy Darling Int'l)



Rendering Facilities

- Baker Commodities
 - Used cooking oil from restaurants
 - Waste from meat and poultry processing plants, supermarkets
- Darling International
 - Rendering
 - Collection and storage of used cooking oil



Rendering Facilities (cont.)

- Clougherty Packing/
Farmer John
 - Rendering of hogs
- West Coast Rendering/
D & D Services
 - Rendering of restaurant
grease, zoo animals,
marine life, shelter animal
carcasses



Proposed Rule 415 – Odors from Rendering Facilities

- Scope of Proposed Rule
 - Rendering of animal parts & carcasses
 - Rendering/processing of inedible kitchen grease
- Goal: reduce odors
 - implement most effective technologies and best management practices to control odors
- Four animal rendering facilities in Vernon
- One Vernon facility not as modern as the others

Proposed Rule 415 – Key Issues

- What are the most effective technologies?
- What are best management practices?
- Cost of odor control equipment?
- Conditions under which an Odor Management Plan would be required?
 - Example: continuing odor issues resulting in Notices of Violation
- Contact signage directing public to contact AQMD for odors?

Proposed Rule 415 – Rulemaking Process

- Jul 2014: First Working Group Meeting
- Aug – Dec 2014: Add'l Working Group Mtgs
- Dec 2014: Public Workshop
- 1st Quarter 2015: Board hearing of PR 415
- Boyle Heights CCP Working Group and Interested Parties will be included on PR 415 mailing list
 - Receive notices for PR 415 Working Group
 - Receive notices for Workshops and Hearings
 - Receive drafts of PR 415

Next Steps

- Continue implementing programs under Air Shed Grant
- Continue supporting Legacy LA
- Working on report summarize Pilot Study
- Meet with Working Group