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PORTLAND WATER BUREAU
 PROJECT PROGRESS REPORT – 4th Quarter 2015-2016

AGENCY NAME: Community Energy Project DATE: July 15, 2016
 PROJECT NAME: Lead Poisoning Prevention Program
 PREPARED BY: Ryan Barker, Lead Poisoning Prevention Program Coordinator
 REVIEWED BY: Sherrie Pelsma, Program Director

Objective: To educate the Portland community about the sources and dangers of lead, and about the tools available for eliminating the hazards of lead exposure in the home, with the goal of ending childhood lead poisoning in Portland, Oregon.

ACTIVITIES. Highlights for Fiscal Year and Quarter

This Year, CEP:

- Served 440 Portland Water Bureau service area households through 78 basic Lead Poisoning Prevention workshops.
- Referred 200 participants interested in lead in water testing kits to the Multnomah County Health Department LeadLine.
- Provided a total of 17 Lead-Safe Home Projects workshops for 96 qualified households this year, nearly reaching our goal of 100 qualified households.
- Loaned HEPA vacuums to 30 households and collected 51.07 lbs. of possibly contaminated debris.
- Conducted surveys across all three programs from a total of 65 households to gain insight about the effectiveness of the programs, and to help us improve our services for the community.
- Analyzed geographic data of FY2015-16 participants to identify those at high risk for lead poisoning, and to improve our outreach efforts for the next fiscal year.
- Served an additional 50-60 households that were outside of the service area and not counted toward performance goals.

Quarter in Review: Describe the major activities carried out during the reporting period.

Performance Goals	Total This Quarter	Total Year To Date	Annual Goal
Lead Poisoning Prevention Workshops (LPPW)	23	78	N/A
LPPW Qualified Households	105	440	500
Lead-Safe Home Projects Workshops (LSHP)	4	17	N/A
LSHP Qualified Households	30	96	100



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HEPA Vacuums Loans	12	30	20
Outreach Events	5	17	15

Lead Poisoning Prevention Workshop—Basic Workshop

This quarter, Community Energy Project (CEP) conducted 23 basic Lead Poisoning Prevention Workshops (LPPW) for 105 qualified (PWB service area) households. Average participation in workshops was five households, with private workshops holding much higher average attendance than workshops for the general public. Additional undocumented and unqualified participants were in attendance at host sites that are regional in nature, including ICTC’s Full Circle Doula Training and Constructing Hope.

Public workshops are classes that are open to the general public, and are advertised through our standard marketing channels. We typically register and track individual sign-ups ourselves. We conducted 15 public LPPW this quarter, with an average participation rate of 2.8. The charts below include qualified households only.

Public Workshop Locations	Date(s)	Total number of Households
APICIA Homebuying Fair	4/9/2016	7
CEP	4/12/2016	1
Hollywood Library	4/19/2016	3
Kenton Library	4/26/2016	2
Belmont Library	4/30/2016	4
North Portland Library	5/3/2016	1
CEP	5/9/2016	1
CEP	5/13/2016	1
Sellwood Library	5/15/2016	4
Hazelwood Community Fair	5/21/2016	3
Hillsdale Library	5/21/2016	1
ICTC Afrocentric Pregnancy Fair	6/5/2016	10
Gresham Library	6/9/2016	1
CEP	6/14/2016	2
Gregory Heights Library	6/27/2016	1

Privately-hosted workshops are typically not open to the public, but are specialized to a specific group. In this way we not only reach more underserved groups, but are able to adapt the workshop to help meet the goals of the host site and/or work with language interpretation. These host agencies provide assistance with marketing and outreach, interpretation, and accommodations for people with disabilities.

Eight privately-hosted LPPW were conducted this quarter at the following locations (average participation of 7.75):



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Privately-Hosted Workshop Locations	Date(s)	Total number of Households
Gateway Head Start	4/13/2016	3
Constructing Hope	4/27/2016	15
NE WIC	5/5/2016	6
Gateway WIC	5/26/2016	2
North Gresham Elem. (SUN School)	5/27/2016	0
NE WIC	6/2/2016	4
East County WIC	6/6/2016	2
PCC Workforce	6/8/2016	26
ICTC Full Circle Doula Training	6/17/2016	4

Workshop Types <i>(Non-bolded categories are not exclusive. The bolded items add up to the total.)</i>	Total for Quarter	Total Year to Date
Public Workshops	15	36
Privately-Hosted Workshops	8	42
Bilingual/Multilingual	1	21
Partner with Multnomah County Blood Lead Testing	4	20
Parent Groups	4	32
Community Events/Fairs	3	7
Healthcare/Wellness Community	3	27
Job Training/Apprenticeship Program	2	7
Total Workshops	23	78

Lead-Safe Home Projects Workshop

CEP held four Lead-Safe Home Projects workshops during Q4. This workshop introduces people to safe lead paint disturbing work practices recommended by federal guidelines. While primarily for homeowners, we also teach this workshop at job apprenticeship programs, such as Constructing Hope and Oregon Tradeswomen, Inc., to encourage participants to think about their own occupational exposure and what they may bring back to their family.

Lead-Safe Home Projects Workshop - Public and Private

Location	Date	# Qualified Households
Constructing Hope	4/27/2016	14
Home Depot	4/30/2016	4
SE Portland Tool Library	6/4/2016	8
CEP	6/21/2016	4



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High Efficiency Particulate Air (HEPA) Vacuum Lending

CEP loaned 12 HEPA vacuum units to 12 households in Q4. CEP cleans all vacuums and weighs the contents of each bag between users. The total amount of potential lead-contaminated dust captured by CEP's HEPA vacuums during the FY2015-16 year is 51.07 lbs.

Outreach Activities

CEP participated in five community events this quarter. In addition to promoting CEP's services, we also provided information on the services of other LHRP agencies and organizations.

Community Outreach/Tabling Events

Date	Event Name	Location	# Attendees
4/9/2016	APICIA Homebuying Fair	Bread of Life Christian Church	50
4/22/2016	PSU Earth Day	PSU Campus	400
4/22/2016	Earl Boyles Fair	Earl Boyles Elementary	600
6/16/2016	EC WIC Summer Activity and Safety Fair	East County WIC	225
6/25/2016	Latino Home Fair	Madison High School	400

Referrals from Leadline By Program (self-reported by participant):

Program	This Quarter	Year to Date
LPPW	2	6
LSHP	1	2
HEPA Vacuum Lending	4	8

CLIENT DEMOGRAPHIC INFORMATION.

* When no percentage sign is shown in data, the average was used.

**Household and Participant data is derived from completed surveys that may include non-qualified participants.

TIER 1-Lead Poisoning Prevention Workshop

Household numbers are calculated based on completed Home Lead Action Plans. Demographic surveys are anonymous, so this data may include unqualified participants as well.

CATEGORY	THIS QUARTER		YEAR TO DATE	
	Total	Avg/%*	Total	Avg/%*
Total number of households served	105		440	
Number of completed surveys**	78		384	
Number of qualified households	105		440	
Household Data	Total	Avg/%*	Total	Avg/%*
Number of people in home	253	2.4	1540	3.5
Homes with pregnant women	12	11%	35	8%



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Children 0-6 years old	55		349	
Homes with children 0-6 years	37	35%	236	61%
Children 7-18 years old	37		255	
Homes with children 7-18 years	27	26%	152	40%
Income: 0-30% of median family income (MFI)	25	32%	174	45%
31-50% MFI	15	19%	79	21%
51-80% MFI	7	9%	35	9%
Over 80% MFI	13	17%	29	8%
Prefer not to Respond	18	23%	67	17%
Member of Household with Disability	12	15%	62	16%
Type of Residence: Rent	44	56%	203	53%
Own	21	27%	114	30%
Other	7	9%	25	7%
Prefer Not to Respond	6	6%	42	11%

Participant Data	This Quarter		YTD	
	Total	%*	Total	%*
Age Group Under 21	3	4%	7	2%
21-30	23	29%	98	26%
31-40	21	27%	130	34%
41-54	22	28%	69	18%
55 and over	6	8%	45	12%
Prefer Not to Respond	3	3%	35	9%
Head of Household: Female	24	31%	123	32%
Male	12	15%	47	12%
Prefer Not to Respond	17	22%	72	19%
Race/Ethnicity*: Hispanic/Latino(a)	18	23%	114	28%
White/European American	26	33%	83	21%
Black/African American	22	28%	68	17%
White & Black	7	9%	19	5%
Asian	7	9%	68	17%
Asian & White	1	1%	8	2%
Native American/Alaskan Native	1	1%	3	1%
Native & White	1	1%	2	0%
Native & Black	1	1%	5	1%
American Indian/Pacific Islander	0	0%	2	0%
Native Hawaiian/Pacific Islander	0	0%	1	0%
Other	1	1%	9	2%
Prefer Not to Respond	4	5%	26	7%
Total Minorities	59	76%	297	77%
Gender: Male	27	35%	83	22%
Female	46	59%	256	67%
Other/Prefer Not to Respond	5	6%	45	12%



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Single Parent: Single Mother	13	17%	88	23%
Single Father	7	9%	15	4%
Prefer Not to Respond	47	60%	125	33%
Presentation was:	Total	%*	Total	%*
Easy to understand	72	92%	332	86%
A little confusing	2	3%	14	4%
Hard to follow	0	0%	1	0%
Workshop covered:	Total	%*	Total	%*
Too much information	8	10%	51	13%
The right amount of information	63	81%	285	74%
Not enough information	1	1%	2	1%
Workshop was:	Total	%*	Total	%*
Extremely valuable	62	79%	302	79%
Somewhat valuable	10	13%	41	11%
Not valuable	0	0%	0	0%
Materials were:	Total	%*	Total	%*
Extremely valuable	62	79%	305	79%
Somewhat valuable	8	10%	44	11%
Not valuable	1	1%	1	0%

*Participants are allowed to choose multiple race/ethnicity categories, so % will exceed 100%. A minority status is determined if more than one race/ethnicity is chosen along with "White".

Participant Comments

- Great presenter-thanks for making this available to us!
- Ryan is very knowledgeable!
- Great class, very informative. Will definitely tell friends & family.
- If no amount of lead is safe, why won't county test for all people who may be toxic.
- Ryan was one of the best facilitators I've ever had. He was good at answering questions. Very good speaker.
- Great presentation with really useful info. Presenter answered all questions and was respectful to all participants. Well Done!
- Need more of this in community to be taken to libraries where parents w/children are
- Very grateful this is a free resource available in my neighborhood!

TIER 2-Lead-Safe Home Projects

CATEGORY	THIS QUARTER	YEAR TO DATE
Total number of households served	30	100
Number of completed surveys	23	86



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Number of qualified households	30		96	
Participant Data	This Quarter		YTD	
	Total	%*	Total	%*
Race/Ethnicity*				
Hispanic/Latino	2	9%	13	15%
White/European American	16	74%	45	52%
Black/African American	1	4%	12	14%
Asian	2	9%	4	5%
American Indian/Alaskan Native	0	0%	2	2%
Native Hawaiian/Other Pacific Islander	0	0%	0	0%
American Indian/Alaskan Native & White	0	0%	6	7%
Asian & White	1	4%	1	1%
Black/African American & White	1	4%	2	2%
American Indian/Alaskan Native & Black/African American	0	0%	1	1%
Other/Declined/No Response	2	9%	11	13%
Total Minorities	7	30%	45	53%
	This Quarter		YTD	
Participant Age Range	Total	%*	Total	%*
Under 21	0	0%	1	1%
21-30	8	35%	28	33%
31-40	9	39%	32	37%
41-54	4	17%	9	11%
55-64	2	9%	8	9%
65 and over	0	0%	6	7%
No response	0	0%	2	2%
Home Age				
1929 or before	10	43%	28	33%
1930-1950	4	17%	15	17%
1951-1978	4	17%	13	15%
1979 and after	2	9%	7	8%
Don't know	3	13%	20	23%
No response	0	0%	3	3%
Children living in/visiting the home?				
Yes, 0-6 years old	9	39%	35	41%
Yes, 7-18 years old	3	13%	9	10%
Yes, baby coming!	1	4%	7	8%



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Presentation was:	Total	% *	Total	% *
Clear and easy to understand	23	100%	86	100%
A little confusing	0	0%	0	0%
Difficult to follow	0	0%	0	0%
Workshop covered:	Total	% *	Total	% *
Too much information	1	4%	6	7%
Right amount of information	22	96%	79	92%
Not enough information	0	0%	0	0%
Workshop was:	Total	% *	Total	% *
Extremely useful	18	78%	58	67%
Useful	3	13%	24	28%
Somewhat useful	1	4%	3	3%
Not useful	0	0%	0	0%

**Participants are allowed to choose multiple race/ethnicity categories, so % will exceed 100%. A minority status is determined if more than one race/ethnicity is chosen along with "White".*

Post-Workshop Tier 2 Participant Comments

We gather immediate participant feedback on anonymous demographic survey forms at the end of each workshop. The following tables summarize this participant feedback for the entire year.

General Feedback

I thought the presentation was: (Total = 86 participant forms)	a. clear and easy to understand	b. a little confusing	c. difficult to follow	No response
	86 (100%)	0	0	0

I think the workshop covered:	a. too much information	b. the right amount of information	c. not enough information	No response
	7 (8%)	79 (92%)	0	0

I found this workshop to be:	Extremely useful	Useful	Somewhat useful	Not useful	No response
	58 (67%)	24 (28%)	3 (3%)	0	1



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The presenter was: (scale of 1 strongly disagree ☹ to 5 strongly agree ☺)	Enthusiastic	Easy to Understand	Knowledgeable	Approachable
	4.7	4.8	4.9	4.8

Type of Small Home Projects

The table below summarizes the participants’ responses regarding a project they plan to do after the workshop. In the table participants may have selected more than one choice.

What type of home project are you doing?	a. Prepping room	b. Furniture	c. Prep door, window, or building component	d. Creative project or Artwork	e. Other
	23	13	23	8	22

Participant Comments
<ul style="list-style-type: none"> • <i>Instructor was clear and open to questions.</i> • <i>Class was excellent! This should be a requirement for every new homeowner.</i> • <i>It was very helpful information</i> • <i>Make presentation shorter</i> • <i>Thank you for providing this helpful class</i> • <i>Very good presentation and information</i>

PROGRAM EVALUATION: FOLLOW-UP SURVEYS

As required by the PWB grant, we conduct a number of follow-up phone call surveys to evaluate both lead-specific workshops. The follow-up surveys are conducted by trained interns and a Spanish-speaker from IRCO - not the same person who conducted the workshop – to encourage the most honest answers possible. During FY 2015-16, CEP conducted:

- 46 follow-up surveys out of 440 qualified households that received basic the *Lead Poisoning Prevention workshop* and kit for a total of 10% of participants (results - Section I). Of these surveys, 12 (3% of total participants) were conducted in Spanish. 98% said they learned new information about lead poisoning in the workshop, while 96% of participants who responded reported that the workshop gave them the info to help them deal with their lead concerns.



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- 10 follow-up surveys out of 96 qualified households that received the *Lead-Safe Home Projects workshop* and kit for a total of 10% of participants (results - Section II). CEP was encouraged to learn that 100% of people surveyed reported learning something new about lead-safe practices at the workshop and 100% reported feeling more prepared to take on a small lead-paint disturbing project in the home after taking the workshop.
- Nine follow-up online surveys out of 30 households that utilized our HEPA vacuum lending service, for a total of 30% of participants (results – Section III).

I. Lead Poisoning Prevention Workshop Follow-up Surveys

CEP conducts two different types of follow up activities: Feedback Surveys immediately following the workshops where we gather anonymous feedback and demographic information (included in the tables in Client Demographic Information section above); and Follow-up phone surveys 1-10 months following the workshop from 6-10% of participants. There are six sections to the follow-up survey: Workshop and Materials Usefulness; Home Lead Action Plan, Progress, and Barriers to Action; LeadCheck swab usage; Follow-up Actions; Self- Evaluation on Lead Awareness; and General Feedback.

A. Workshop and Materials Usefulness

All participants (98%) reported learning something new about lead poisoning prevention at the workshop. Learning the proper cleaning methods and information about potential lead hazards in older homes were cited as some of the participants’ favorite or most useful aspects of the workshop. The vast majority of survey participants (96%) did not cite a single aspect of the workshop that they found “least useful”. Of the two participants that did mention a “least useful” aspect, one stated that the information didn’t apply since she had a new home; another cited the length and those aspects “we can’t control” as least useful. The results from this section are outlined in the table below.

Survey Questions	Yes	No	No Response	Highlighted Comments
1.) Did you learn anything new about lead poisoning prevention at the workshop? (Y/N)	45 (98%)	1 (2%)	0 (0%)	<ul style="list-style-type: none"> • <i>I learned about lead paint used in older homes and about how lead paint can remain in the dirt where old houses have been demolished.</i> • <i>I learned the effects of lead and where it can be found, how to clean up lead dust, and how to test for lead in the water and the soil.</i>



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<p>2.) What was the most useful part of the workshop? (highlighted comments)</p>	<ul style="list-style-type: none"> • <i>Having face time with an expert</i> • <i>Information about advanced lead removal</i> • <i>Learning where to find it and how to safely get rid of it</i> • <i>The resources and education was really neat and I appreciated it</i> • <i>The information and knowledge the instructor was very informative</i> • <i>At the end he said there is help for families with low income</i> • <i>Information about old paint, I found out what year the house I live in is from.</i> • <i>The explanations about how to protect ourselves and our children from lead poisoning and to use masks at work.</i> • <i>How to find out about the age of buildings to see if they were possible painted with lead paint.</i>
<p>3.) What was least useful about the workshop? (highlighted comments)</p>	<ul style="list-style-type: none"> • <i>A little bit long</i> • <i>If there were a way to create more of an interaction or be more hands on</i>

Lead-Safe Cleaning Kit Materials Usefulness

Of the participants surveyed that took a cleaning and testing kit (44 participants), the buckets, LeadCheck swabs, cleaner, and microfiber cloths were noted as the most useful items of the cleaning kit. During many presentations, participants ask where they can buy additional LeadCheck swabs, and they appreciate getting a free pack as an introduction.

B. Home Lead Action Plan: Concerns, Progress, and Barriers to Action

During the workshop, participants are asked to fill out a Home Lead Action Plan (HLAP) that outlines their concerns, intended actions, and anticipated barriers. One copy goes home with the participant and one copy is entered in the HLAP database at CEP. The surveyor reads back to the participant their original concerns, intended actions, and anticipated barriers. A summary of the original concerns/actions/barriers of the survey participants precedes the follow up questions for comparison in this report. We were encouraged to find that 96% of the participants found the HLAP a useful tool. A summary of the follow up questions and the results are also included in the tables below.

Concerns

46% of surveyed participants stated they had concerns about lead prior to the workshop. This is expected, since a significant portion of participants attend the workshop through a program instead of on a voluntary basis. After seeing the workshop, participants were given an opportunity to note those concerns, or ones they thought about while hearing the content. These concerns from the Home Lead Action Plan and the phone surveys are listed below:



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Summary of Concerns from Home Lead Action Plans (during workshop)	Number of people to mention this as a concern*
Lead-Based Paint Dust/Chips	39
Lead in Water	27
Kids' Health	24
Family Health	19
Toys/Household Items	17
Lead in Soil	7
Job Related	7
Other	3

*Note: some participants listed more than one concern and some did not respond, so the total number of concerns will not equal the number of people surveyed (46).

Progress in Dealing with Lead Concerns

72% of participants reported they were able to address the concerns indicated on their Home Lead Action Plans since the workshop, while 96% reported that the workshop gave them the information to deal with those concerns. For those participants that said they were able to deal with their lead concerns, the surveyor followed up by asking how their actions were progressing.

Progress of Actions After Workshop (highlighted comments)
<ul style="list-style-type: none"> • <i>used all products when I got home and had windows replaced and wood painted</i> • <i>making sure no soil comes in the house and schedule to get daughter tested</i> • <i>washed around windows</i> • <i>I found out the year the house was built and I checked the plates.</i> • <i>I threw away the ceramic pots from Mexico I had.</i> • <i>tested for lead in the water</i> • <i>we had the contractors come out and remove paint</i>

Barriers to Action

Some of the participants, especially those that said they were not able to address their lead concerns after the workshop, cited barriers that limited them from further action. For these individuals, the table below highlights some of their comments:



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Barriers to Action After Workshop	
No time	6
Need more resources	1
Family issues	2
Forgot	5
Costs too much	0
Other	3

C. Usage of LeadCheck Swabs

A new question this year asked participants if they used the LeadCheck swab, and if so, on what items. For those that responded Yes (80%), the tested items are listed below:

Items Tested with LeadCheck Swabs	
Paint	26
Toys	11
Antiques/furniture	5
Plates/dinnerware	11
Other	8

D. Follow-up Actions/Portland Housing Bureau Grantees

CEP is uniquely placed as the education provider for all of Portland Housing Bureau’s Lead Hazard Reduction Grant recipients. We also promote this program for workshop participants as a strategy for remediating lead hazards in the home. Of those surveyed, 17 (40%) had some communication with PHB about the grant program, either prior to or after the workshop.

E. Self-Evaluation on Lead Awareness

We asked people to evaluate their awareness on lead issues before, following, and since attending the lead poisoning prevention workshop, on a scale of 1-5 (1=Hardly anything; 5=A lot). The table below summarizes the responses.

“Evaluation” Question	Hardly anything	2	3	4	A lot
1.) How much would you say you knew about lead before the workshop?	18 (39%)	14 (30%)	9 (20%)	3 (7%)	2 (4%)



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2.) How much would you say you knew about lead following the workshop?	0 (0%)	0 (0%)	3 (7%)	15 (33%)	28 (61%)
3.) How much would you say you learned about lead since the workshop?	20 (43%)	9 (20%)	7 (15%)	5 (11%)	5 (11%)
Addl. comments	<ul style="list-style-type: none"> I'm glad WIC gives us these important workshops how to protect ourselves from lead poisoning. 				

F. General Feedback and Comments

For most of the surveyed individuals (78%), the lead poisoning prevention workshop is their first CEP workshop, and **100% of the survey participants said they would recommend the lead workshop to friends, neighbors, and family.** Some overall comments and suggestion provided by follow-up survey participants:

Suggestions	Comments
<ul style="list-style-type: none"> It was great, you need better advertising I repeat, the information should be spread more widely and get to the schools for prevention and to safeguard the children. This workshop should be mandatory, 	<ul style="list-style-type: none"> Ryan is a great teacher and very knowledgeable Ryan was really great and informative and kept everyone's attention I actually think you guys did a stand up job and I'm very grateful I got to be a part of it and I hope all your instructors are as informative as the one I had The speaker was great, he had a lot of information that we didn't know about The speaker was great the class kept my attention

II. Lead-Safe Home Projects Workshop Follow-up Surveys

We conducted follow-up surveys with 10 (10%) of the participants of the Lead-Safe Home Projects workshops. We wanted to know: a.) if participants learned anything new; b.) if the participants felt more prepared to safely conduct small home projects in a lead-safe manner after attending this workshop; and c.)



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which parts of the workshop were most useful. We also asked self-assessment questions and if they would recommend this workshop to anyone else. At the end of the survey, participants had an opportunity to provide their suggestions and other comments and feedback not covered by the questions we asked. A trained intern completed all the phone surveys. CEP was encouraged to learn that 100% of people surveyed reported learning something new about lead-safe practices at the workshop and 100% of people surveyed reported feeling more prepared to take on a small lead-paint disturbing project in the home after taking the workshop.

What part of workshop was most helpful? <i>This was an open-ended question, so answers varied:</i>	Number of people to mention this as helpful
<ul style="list-style-type: none"> • <i>Learning what I need to do before I do this project.</i> • <i>The kit was nice and didn't know about the contractor stuff.</i> • <i>The supplies and info.</i> • <i>Learning what to do and what not to do.</i> 	

Participants were also asked what was *least useful*, and the participants did not mention anything.

Lead-Safe Home Project Kit Materials Usefulness

A valuable kit of lead-safe renovation supplies is given to participants at the end of the workshop. This includes a HEPA respirator, blue painter's tape, a bucket, a lead dust test kit, a pack of LeadCheck swabs, a sanding sponge, and literature. 70% of participants mentioned that the buckets were the most useful item of the kit, while 60% mentioned the blue painter's tape.

Lead Dust Sampling Kits

This testing strategy is taught during the end of the workshop during the Cleaning Verification section. Participants learn that they can test the dust in their homes after a renovation project to be sure proper cleaning of dust occurred. Only one participant surveyed actually used the Lead Dust kit. The test showed no lead.



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Lead Paint Disturbing Project by Participant

Of the surveyed participants, only one had actually completed a lead paint disturbing project. This project included “stripping and repainting”. The participant did perform a test for lead and found it to be negative. One participant did hire a contractor, and, because of the content learned at the workshop, made sure the contractor was certified to work on lead paint.

Participant Self Evaluation

Survey participants were asked to rate themselves on a scale based on their knowledge of lead-safe work practices before, after, and since the workshop. The following table summarizes the responses.

1=Very Little; 5=A lot

“Self-Evaluation” Question	1	2	3	4	5
<i>How much would you say you knew about lead-safe practices before the workshop?</i>	6	3	0	1	0
<i>How much would you say you knew about lead-safe practices following the workshop?</i>	0	0	2	3	5
<i>How much would you say you learned about lead-safe practices since the workshop?</i>	4	4	1	0	1

General Feedback and Comments

6 people (66%) indicated that this was their first CEP workshop (three had attended the basic Lead Poisoning Prevention workshop). 10 (100%) of participants said they would recommend the workshop to friends or family.



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Comments/Suggestions

- *You need more time when you do the Fix It Fair, but it was great and I want to go to more*
- *The instructor was great, I learned a lot*
- *The workshop was very informative and taught very well*

III. High Efficiency Particulate Air (HEPA) Vacuum Lending Follow-up Surveys

While a less detailed and rigorous survey was implemented for past HEPA vacuum clients, valuable feedback was still obtained, mostly through narrative form. In general, the feedback was overwhelmingly positive, showing a need for the program and a high level of satisfaction from its participants.

Participant Comments

- *I'm very grateful for the work you are doing for our community. Thank you so much!*
- *Ryan went above and beyond the call of duty in terms of answering my many lead safety questions. We have recommended the HEPA lending program and also CEP in general as a great source of information for lead-safety procedures.*
- *This is a fantastic program! Thank you for making such useful and important resources available to the community!!!*
- *I appreciate that there was no resistance to multiple uses of the vacuum as it allowed me to address our issues in a manner that didn't entirely put my life on hold. This may be one of the most valuable public services I've ever used.*
- *Ryan was so helpful! He talked with me at length over the phone about my specific lead clean-up issues and even researched a cleaning technique I mentioned and let me know the actual correct methods recommended by the EPA when I picked up the vacuum. This is such a tremendous community resource and your staff (at least Ryan, since he's the only one I interacted with) is top notch!*

GEOGRAPHIC ANALYSIS OF PAST PARTICIPANTS

While not required by the PWB grant, CEP conducted a geographic analysis of all participants from FY2015-16 who took the basic Lead Poisoning Prevention workshop. This data was acquired for two purposes: to internally evaluate whether workshop participants do, in fact, reside in homes at risk for lead poisoning; and, to better target our future outreach to areas of Multnomah County that have higher-than-average lead risk levels. Addresses from the participant's Home Lead Action Plan were fed into both PortlandMaps.com and Oregon



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Health Authority's (OHA) Lead Risk Levels geographic information system (GIS), the latter made recently available to members of the Childhood Lead Poisoning Prevention Program for the state of Oregon.

The factors we focused on for our analysis were building age and OHA's lead risk level. From this data, we were able to extrapolate whether the home has a risk of containing lead paint (pre-1978) or lead in drinking water (1970-85), and, according to OHA's risk factors (housing age, poverty level, age of children, and foreign-born population), what risk factor is assigned for the home's census tract. We were encouraged to find that the majority (65%) of participants do, in fact, reside in pre-1978 homes, while 18% reside in homes with a high risk for lead in drinking water. We also found that 33% reside in High Risk census tracts (according to OHA), while another 45% live in Elevated Risk tracts.

Using PortlandMaps.com, we also acquired neighborhood and nearest elementary school information. This geographic information will be useful when determining future strategies for outreach efforts, as is discussed in the "New Directions" section found later in this report.

SHORTFALLS

A. Lead Poisoning Prevention Workshop

There was a shortfall of 60 participants for the basic workshop. Several factors are responsible. First, six scheduled workshops during the fiscal year were either cancelled or were not held because zero people registered or attended, or, in the case of one SUN school workshop, moved to a later date (i.e. next fiscal year). Second, during the multiple languages workshops scheduled at Gateway WIC for the first week of January, winter weather and ice reduced overall participants from the 86 registered to the 64 that showed up. Third, all three WIC clinics have seen reduced levels of participation in the onsite classes, caused most likely by the new eWIC system that allows participants to take online classes instead. And last, several workshops throughout the year had additional participants in the room that resided outside of the PWB service area, and thus could not be considered towards the goal of 500 participants.

B. Outreach/Advertising Activities

There were no shortfalls in this activity.

C. Lead-Safe Home Projects Workshop

There was a shortfall of four participants for this workshop. As with the basic workshop, several participants in the classrooms of Constructing Hope and Oregon Tradeswoman, Inc. were outside of the PWB service area, so they could not be counted towards the goal of 100 participants.

D. High Efficiency Particulate Air (HEPA) Vacuum Lending

There were no shortfalls in this activity, and we in fact exceeded contract goals by 10.

E. Communication with Lead Hazard Reduction Program Grantees

There were no shortfalls in this activity.



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NEW DIRECTIONS

A. Lead Poisoning Prevention Program Support

Several strategies will be implemented to increase our participant numbers for this workshop (even though the new goal is 85 workshops instead of participant number) to assure CEP reaches an expected 500 households in the upcoming fiscal year. These include:

- Reaching out and establishing relationships with organizations such as the Healthy Birth Initiative and the Mother & Child Education Center to host workshops.
- Sending Lead Poisoning Prevention workshop brochures in English and Spanish to two WIC offices to help promote the program to potential participants. CEP's Lead Poisoning Program Coordinator will also be meeting with Gateway WIC staff in July to discuss the program and answer questions, allowing staff to better promote the program to potential registrants.
- Scheduling a three-workshop, multiple-language day at Gateway WIC for 8/2/16.
- Arranging with East County WIC to make the workshops there open to the public. CEP flyers are now posted on the WIC Facebook page to increase participant turnout.
- Scheduling workshops for summer 2016 at SUN school sites that offer parent lunches. These have been targeted to neighborhoods that have an increased risk of lead poisoning due to property age.
- Using geographic data from collected addresses, as well as OHA GIS data (see the "Geographic Analysis of Past Participant" section above) for targeted outreach to communities and schools where children are most at risk for lead poisoning.
- Continuing our budding relationship with the Multnomah County Library system. Beginning in early 2016, the library began requesting CEP to provide workshops, instead of vice versa. This request then leads to the workshops being listed on the library's website and calendar. At every opportunity, a workshop was scheduled when requested by the library system during FY2015-16.

B. Follow-up Surveys

During FY2015-16, David Dowler will be conducting a major program evaluation with all the LHRP, including CEP. This may lead to new insight into our evaluation strategy, and improvements in the way we evaluate our programs for the future.

C. Outreach/Marketing Activities

CEP will use the geographic and risk factor data analysis of FY2015-16 workshop participants to guide future outreach efforts. With recent gentrification trends showing low-income, high-risk households moving further east, outreach and marketing efforts must find new avenues to reach these audiences and develop new relationships with possible host sites. Additionally, with a new staff member devoted to development, we hope to provide more resources and assistance to host sites so they can increase their outreach and promotion of the workshop to potential participants.



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D. Lead-Safe Home Projects Workshops

During FY2015-16, monthly LSHP workshops were held at CEP's office, due to increased demand from concerned parents and individuals who are conducting renovations in older Portland homes. This will continue, as we have seen increases in attendance. Also, a new relationship was forged with the SE Portland Tool Library, and we hope to offer additional workshops there in the future.

E. High Efficiency Particulate Air (HEPA) Vacuum Lending Program

No new directions at this time. This program has grown in popularity, most likely due to an increase in new homeownership of older Portland homes by families with young children.

F. Communication with Lead Hazard Reduction Program Grantees

CEP acts as the lead educator for the Portland Housing Bureau's Lead Hazard Reduction Grant, teaching all of the program's grantees. Several one-on-one workshops were conducted for these individuals, with a very quick turnaround to assure the grantee was able to submit the required paperwork and eliminate any delays in the grant process. Grantees through this program increased during the second half of FY2015-16. CEP expects to continue this vital relationship with PHB and receive an increase in participants from the program.