Facsimile Transmittal

1288144511 - 3288

U. S. Department of Housing and Urban Development

Office of Department Grants Management and Oversight

OMB Approval No. 2525-0118
exp. Date (5/30/2008)

*** Name of Document Transmitting:** CLEAR WIN An Evaluation of Lead Education and Window Replace

1. Applicant Information:

* Legal Name: The Board of Trustees of the University of Illinois

* Address:

* Street1: 809 S. Marshfield Avenue

Street2: MB 502, M/C 551

* City: Chicago

County:

* State: IL: Illinois

* Zip Code: 60612-7205 * Country: USA: UNITED STATES

2. Catalog of Federal Domestic Assistance Number:

* Organizational DUNS: 0989872170000 CFDA No.: 14.902

Title: Lead Technical Studies Grants

Program Component:

3. Facsimile Contact Information:

Department: Envir and Occup Hlth Sciences

Division: School of Public Health

4. Name and telephone number of person to be contacted on matters involving this facsimile.

Prefix: Mr. * First Name: Luis

Middle Name: R.

* Last Name: Vargas

Suffix:

* Phone Number: 312-996-2862

Fax Number: 312-996-9005

*** 5. Email:** awards@uic.edu

*** 6. What is your Transmittal? (Check one box per fax)**

☐ a. Certification ☒ b. Document ☐ c. Match/Leverage Letter ☐ d. Other

*** 7. How many pages (including cover) are being faxed?** 146

Form **HUD-96011** (10/12/2004)

Tracking Number:GRANT10737533 Funding Opportunity Number:FR-5415-13B Received Date:2010-11-08T14:06:53-04:00

Applicant/Recipient Disclosure/Update Report

U.S. Department of Housing and Urban Development

OMB Approval No. 2510-0011
(exp. 08/31/2009)

Applicant/Recipient Information *** Duns Number:** 0989872170000 *** Report Type:** INITIAL

1. Applicant/Recipient Name, Address, and Phone (include area code):

* Applicant Name: The Board of Trustees of the University of Illinois

* Street1: 809 S. Marshfield Avenue

Street2: MB 502, M/C 551

* City: Chicago

County:

* State: IL: Illinois

* Zip Code: 60612-7205

* Country: USA: UNITED STATES

* Phone: 312-996-2862

2. Social Security Number or Employer ID Number: [redacted]

* 3. HUD Program Name: Lead Technical Studies Grants

* 4. Amount of HUD Assistance Requested/Received: $ 499,999.00

5. State the name and location (street address, City and State) of the project or activity:

* Project Name: CLEAR WIN An Evaluation of Lead Education and Window Replac

* Street1: 2121 W. Taylor St.

Street2: M/C 922

* City: Chicago

County: Cook

* State: IL: Illinois

* Zip Code: 60612

* Country: USA: UNITED STATES

Part I Threshold Determinations

* 1. Are you applying for assistance for a specific project or activity? These terms do not include formula grants, such as public housing operating subsidy or CDBG block grants. (For further information see 24 CFR Sec. 4.3).

☒ Yes ☐ No

* 2. Have you received or do you expect to receive assistance within the jurisdiction of the Department (HUD) , involving the project or activity in this application, in excess of $200,000 during this fiscal year (Oct. 1-Sep. 30)? For further information, see 24 CFR Sec. 4.9

☐ Yes ☒ No

If you answered " **No** " to either question 1 or 2, **Stop!** You do not need to complete the remainder of this form.

However, you must sign the certification at the end of the report.

Part II Other Government Assistance Provided or Requested / Expected Sources and Use of Funds.

Such assistance includes, but is not limited to, any grant, loan, subsidy, guarantee, insurance, payment, credit, or tax benefit.

Department/State/Local Agency Name:

* Government Agency Name:

Government Agency Address:

* Street1:

Street2:

* City:

County:

* State:

* Zip Code:

* Country:

* Type of Assistance: * Amount Requested/Provided: $

* Expected Uses of the Funds:

Department/State/Local Agency Name:

* Government Agency Name:

Government Agency Address:

* Street1:

Street2:

* City:

County:

* State:

* Zip Code:

* Country:

* Type of Assistance: * Amount Requested/Provided: $

* Expected Uses of the Funds:

(**Note**: Use Additional pages if necessary.) Add Attachment Delete Attachment View Attachment

Tracking Number:GRANT10737533 Funding Opportunity Number:FR-5415-13B Received Date:2010-11-08T14:06:53-04:00

Part III Interested Parties. You must decide.

1. All developers, contractors, or consultants involved in the application for the assistance or in the planning, development, or implementation of the project or activity and

2. Any other person who has a financial interest in the project or activity for which the assistance is sought that exceeds $50,000 or 10 percent of the assistance (whichever is lower).

* Alphabetical list of all persons with a reportable financial interest in the project or activity (For individuals, give the last name first)	* Social Security No. or Employee ID No.	* Type of Participation in Project/Activity	* Financial Interest in Project/Activity ($ and %)	
			$	%
			$	%
			$	%
			$	%
			$	%

(**Note:** Use Additional pages if necessary.) Add Attachment Delete Attachment View Attachment

Certification

Warning: If you knowingly make a false statement on this form, you may be subject to civil or criminal penalties under Section 1001 of Title 18 of the United States Code. In addition, any person who knowingly and materially violates any required disclosures of information, including intentional non-disclosure, is subject to civil money penalty not to exceed $10,000 for each violation.
I certify that this information is true and complete.

* Signature:	* Date: (mm/dd/yyyy)
Joe Garcia	11/08/2010

Additional Congressional District

IL-001
IL-018

15. Areas Affected by Project

Chicago, IL

Peoria, IL

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB
0348-0046

1. * Type of Federal Action:
- [ ] a. contract
- [ ] b. grant
- [x] c. cooperative agreement
- [ ] d. loan
- [ ] e. loan guarantee
- [ ] f. loan insurance

2. * Status of Federal Action:
- [ ] a. bid/offer/application
- [x] b. initial award
- [ ] c. post-award

3. * Report Type:
- [x] a. initial filing
- [ ] b. material change

4. Name and Address of Reporting Entity:

- [x] Prime
- [ ] SubAwardee

* Name: The Board of Trustees of the University of Illinois
* Street 1: 809 S. Marshfield Ave
Street 2:
* City: Chicago
State: IL: Illinois
Zip: 60612-7205
Congressional District, if known: IL-007

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

6. * Federal Department/Agency:
US Dept of Housing and Urban Development

7. * Federal Program Name/Description:
Lead Technical Studies Grants
CFDA Number, *if applicable:* 14.902

8. Federal Action Number, *if known:*

9. Award Amount, *if known:*
$

10. a. Name and Address of Lobbying Registrant:

Prefix
** First Name* n/a
Middle Name
** Last Name* n/a
Suffix
** Street 1*
Street 2
** City*
State
Zip

b. Individual Performing Services (including address if different from No. 10a)

Prefix
** First Name* n/a
Middle Name
** Last Name* n/a
Suffix
** Street 1*
Street 2
** City*
State
Zip

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

*** Signature:** Joe Garcia

***Name:**
Prefix Dr.
** First Name* Joe
Middle Name G.N.
** Last Name* Garcia
Suffix MD

Title: Vice Chancellor for Research
Telephone No.: 312-996-2862
Date: 11/08/2010

Federal Use Only:

Authorized for Local Reproduction
Standard Form - LLL (Rev. 7-97)

Application for Federal Assistance SF-424

* 1. Type of Submission:	☐ Preapplication ☒ Application ☐ Changed/Corrected Application
* 2. Type of Application:	☒ New ☐ Continuation ☐ Revision
* If Revision, select appropriate letter(s):	
* Other (Specify):	
* 3. Date Received:	11/08/2010
4. Applicant Identifier:	
5a. Federal Entity Identifier:	
5b. Federal Award Identifier:	

State Use Only:

6. Date Received by State:	
7. State Application Identifier:	

8. APPLICANT INFORMATION:

* a. Legal Name:	The Board of Trustees of the University of Illinois
* b. Employer/Taxpayer Identification Number (EIN/TIN):	[redacted]
* c. Organizational DUNS:	0989872170000

d. Address:

* Street1:	809 S. Marshfield Avenue
Street2:	MB 502, M/C 551
* City:	Chicago
County/Parish:	
* State:	IL: Illinois
Province:	
* Country:	USA: UNITED STATES
* Zip / Postal Code:	60612-7205

e. Organizational Unit:

Department Name:	Envir and Occup Hlth Sciences
Division Name:	School of Public Health

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:	Dr.
* First Name:	David
Middle Name:	E.
* Last Name:	Jacobs
Suffix:	Ph.D
Title:	Adjunct Associate Professor
Organizational Affiliation:	University of Illinois at Chicago
* Telephone Number:	312-996-2862
Fax Number:	312-996-9005
* Email:	dejacobs@uic.edu

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

H: Public/State Controlled Institution of Higher Education

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

US Department of Housing and Urban Development

11. Catalog of Federal Domestic Assistance Number:

14.902

CFDA Title:

Lead Technical Studies Grants

*** 12. Funding Opportunity Number:**

FR-5415-13B

* Title:

Lead Technical Studies Program

13. Competition Identification Number:

LTS-13B

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

15_areas_affected.pdf

Add Attachment | Delete Attachment | View Attachment

*** 15. Descriptive Title of Applicant's Project:**

CLEAR WIN An Evaluation of Lead Education and Window Replacement in Illinois

Attach supporting documents as specified in agency instructions.

Add Attachments | Delete Attachments | View Attachments

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant: IL-007

b. Program/Project: IL-007

Attach an additional list of Program/Project Congressional Districts if needed.

additionalcongressionaldistrict.pdf | Add Attachment | Delete Attachment | View Attachment

17. Proposed Project:

* a. Start Date: 12/01/2010

* b. End Date: 11/30/2013

18. Estimated Funding ($):

* a. Federal	499,999.00
* b. Applicant	0.00
* c. State	0.00
* d. Local	0.00
* e. Other	0.00
* f. Program Income	0.00
* g. TOTAL	499,999.00

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .

☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.

☒ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment | Delete Attachment | View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: Dr.

* First Name: Joe

Middle Name: G.N.

* Last Name: Garcia

Suffix: M.D.

* Title: Vice Chancellor for Research

* Telephone Number: 312-996-2862

Fax Number: 312-996-9005

* Email: awards@uic.edu

* Signature of Authorized Representative: Joe Garcia

* Date Signed: 11/08/2010

Budget Narrative File(s)

*** Mandatory Budget Narrative Filename:** attachment10_budgetjustification.pdf

Add Mandatory Budget Narrative | Delete Mandatory Budget Narrative | View Mandatory Budget Narrative

To add more Budget Narrative attachments, please use the attachment buttons below.

Add Optional Budget Narrative | Delete Optional Budget Narrative | View Optional Budget Narrative

Applicant: David Jacobs

CFDA: 14.902

Factor 1 Capacity Of The Applicant And Relevant Organizational Experience

A. Key Personnel

Name and Position Title (please include the organization position titles in addition to those shown). Resumes or position descriptions are to be included in appendix.	Percent of Time Proposed for this Grant (HUD Funded or In-Kind)	Percent of Time to be spent on other LHC HUD grants	Percent of Time to be spent on other Activities
	Note: These three columns should total 100%		
A.1 Overall Project Director			
[redacted]	20	0	80
A.2 Day-to-Day Program Manager ☐ To be hired ☒ On staff			
[redacted]	13	35	52
A.3 Other ☐ To be hired ☒ On staff			
Name:			
Organization Position Title:			
Phone Number: Fax Number:			
Email:			

B. Partners

Name of the organization or entity that partners or will partner with applicant and if partner will be subgrantee/subrecipient	Description of Commitment and Status	Proposed Activities To Be Conducted by Partner	Amount of HUD Grant Funds (If Subgrant)
B.1 Name: National Center for Healthy Housing Type of Organization Non-profit Evaluator Subgrantee/Subrecipient: ☒ Yes ☐ No ☒ Current Partner ☐ Partnership to be developed	Letter of Support	Research oversight, quality control, statistics, report writing	$265,462
B.2 Name: Type of Organization Subgrantee/Subrecipient: ☐ Yes ☐ No ☐ Current Partner ☐ Partnership to be developed			
B.3 Name: Type of Organization Subgrantee/Subrecipient: ☐ Yes ☐ No ☐ Current Partner ☐ Partnership to be developed			
B.4 Name: Type of Organization Subgrantee/Subrecipient: ☐ Yes ☐ No ☐ Current Partner ☐ Partnership to be developed			
B.5 Name: Type of Organization Subgrantee/Subrecipient: ☐ Yes ☐ No ☐ Current Partner ☐ Partnership to be developed			
B.6 Name: Type of Organization Subgrantee/Subrecipient: ☐ Yes ☐ No ☐ Current Partner ☐ Partnership to be developed			
B.7 Name: Type of Organization Subgrantee/Subrecipient: ☐ Yes ☐ No ☐ Current Partner ☐ Partnership to be developed			

Definitions:
Partner Name: Name of organization or entity that will partner with applicant in conducting program activities.
Type of Organization or Program: Health, Housing, Environmental, Community Development Department, Planning Department, Grassroots Faith-Based or Community-Based Organization, Childhood Lead Poisoning Prevention Program, Financial Institution, Job Training and Economic Opportunity Organization, etc.
Description of Commitment: Memorandum of Understanding/Agreement, Contract, Subgrantees, Letter, etc.
Proposed Activities to be Conducted by Partner: The type of activities that will be conducted by the grant partner in support of program efforts (i.e. rehabilitation, testing, training, education and outreach, specification writing, relocation, etc.)
Amount of HUD Grant Funds if Subgrantee/Subrecipient: The dollar amount subgrantee/subrecipient will be receiving for the services they will provide.

Attachment 2 (HUD-96012) In Support of Rating Factor 1

NCHH Previous Accomplishments

IPM in Low-Income Housing Project (EPA); October 2005 to January 2009

Lead Outreach to Rural Communities (EPA); September 2007-February 2009

Healthy Homes Training for Public Health Nurses (EPA); September 2005-February 2008

Radon Education (EPA); August 2005 to January 2007

National Healthy Homes Training Center and Network (CDC); 2004-today

Providence Healthy Homes Study (Phases I & II) Phase I: City of Providence; Phase II: Battelle Memorial Institute (HUD HHDG); 1999

Evaluation of the HUD Lead-Based Paint Hazard Control Grant Program (HUD); 1993-2003

U.S. Department of Energy (DOE) Analysis of Lead-Safe Weatherization Practice and the Presence of Lead in Weatherized Homes (DOE/Oak Ridge)

HUD Healthy Homes Technical Study: Development of a Standardized Home Assessment of Asthma: A Multi-Site Study (HUD)

Viking Terrace, Minnesota Healthy Indoor Environments Project/MN Green and Healthy Housing Project, Blue Cross/Blue Shield Foundation of Minnesota, EPA, Enterprise Community Partners, 2006-2009

Making Low-Income Housing Rehab Green and Healthy, Wheeler Terrace, Washington DC (HUD)

Watts to Well-Being, Boston, Chicago and New York City (HUD)

Milwaukee Healthy Homes Study (HUD

Rochester Lead-in-Dust Study (HUD)

Comparing Green Building Guidelines and Healthy Homes Principles: A Preliminary Investigation, 2006

1. **IPM in Low-Income Housing Project: Funded by U.S. EPA Office of Pesticide Programs**
   Period of Performance: October 2005 to January 2009

Reference Information: Kathy Seikel of theEPA OPP's Field and External Affairs Division (FEAD)
NCHH successfully managed and completed a series of five task orders from Battelle Memorial Institute from October 2005 to January 2009. U.S. EPA Office of Pesticide Program (OPP) funded Battelle Memorial Institute though Contract No. EP-W-04-021 to perform the work. Kathy Seikel of the OPP's Field and External Affairs Division (FEAD) was the contract technical officer. Through these task orders, NCHH assisted EPA in developing its IPM in Low-Income Housing Project, which includes: developing the *IPM in Multi-Family Housing* training; building a network of trainers capable of delivering the training; delivering the training more than 20 times; developing a model request for IPM proposals for property managers; writing five case studies on IPM models and research; supporting HUD's development of IPM inspection protocols for its Green Incentives program; commenting on HUD's IPM inspection reports; and conducting more than 10 speeches and presentations on the project.

NCHH met all contract reporting requirements and submitted acceptable final technical reports. It met– and in many cases–exceeded expectations and documented those results through monthly reports and other deliverables.

2. **Lead Outreach to Rural Communities: Funded by U.S. EPA Office of Pollution Prevention and Toxics**
Period of Performance: September 2007 to February 2009
NCHH successfully managed and completed EPA grant # AB-83364401-0 to provide outreach to rural communities to prevent lead poisoning through the use of lead-safe work practices. NCHH partnered with five state university cooperative extension programs to deliver lead-safe work practices training to contractors and do-it-yourselfers in rural communities. The state university partners were: the Cooperative Extension Services from Auburn University, the University of Georgia, Louisiana State University, Mississippi State University, and Montana State University. NCHH submitted all quarterly reports and the final technical report on time. These reports documented its progress towards achieving expected results. NCHH performed as follows:

- *Commitment:* Train extension agents. *Result:* Exceeded the target and trained 77 agents.
- *Commitment:* Train 280 contractors and do-it-yourselfers. *Result:* Exceeded the target and trained 355 contractors; although, it needed an additional two weeks after the grant ended to reach that goal.
- *Commitment:* Educate 4000 consumers. *Result:* Exceeded the target and educated 10,600 consumers.

3. **Healthy Homes Training for Public Health Nurses: Funded by U.S. EPA Office of Children's Health**
Period of Performance: September 2005 to February 2008
NCHH successfully managed and completed EPA grant # CH-83265101-2 to provide training to public health nurses on health issues related to housing. NCHH partnered with four universities to develop and deliver the training. The university partners were: Boston University, University of Washington, Johns Hopkins University, and University of

Cincinnati. NCHH submitted all quarterly reports and the final technical report on time. These reports documented its progress towards achieving expected results. NCHH met its commitments including the following numerical expected results:

- *Commitment:* Conduct 140 nurses through 15 trainings. *Result:* Exceeded target. 31 sessions and 159 nurses trained in *Essentials*. 301 nurses completed the on-line training.
- *Commitment:* Perform 6-month and 12-month follow-up evaluation. *Result:* Met target. 94 nurses completed the survey indicating the training had a positive impact.

When NCHH researched barriers by surveying nurses, it found that its initial strategy would not work as planned. Nurses would not take more than two-days of training. Therefore, NCHH crafted an on-line *Pediatric Environmental Home Assessment* training course to fulfill the remaining two competencies. When nurses were not taking the on-line training in sufficient numbers, NCHH offered a carbon monoxide alarm to nurses who took the training. As a result, NCHH exceeded its goals. EPA was so impressed with the on-line training that it presented NCHH with its *2007 Children's Environmental Health Excellence Award.*

4. **Radon Education: Funded by U.S. EPA Office of Air and Radiation**
   Period of Performance: August 2005 to January 2007
   NCHH successfully managed and completed EPA Assistance Agreement No. XA 832407-01, to deliver radon education through NCHH's National Healthy Homes Training Center and Network. It completed all deliverables on-time and on budget with modifications as described below. It oversaw our partners' activities, managed the budget, and submitted quarterly reports, a lessons learned report, and a final technical report to EPA. NCHH submitted all quarterly reports and the final report on time. These reports documented NCHH's progress towards achieving expected results as follows:

- *Commitment:* Develop of two radon training modules. *Result:* Met the target.
- *Commitment*: Train 300 Healthy Homes practitioners. *Result:* Exceeded the target and trained 627 practitioners.
- *Commitment:* Pilot contractor course. *Result:* NCHH delayed development of course to perform market evaluation, research, and development to ensure that there was sufficient interest by contractors in such training. NCHH's partner, NeighborWorks Training Institute, included the radon contractor course during its national training institutes as an optional late-afternoon stand-alone session.
- *Commitment:* Train 300 builders and contractors. *Result:* Trained 43 contractors and builders, despite conducting five stand-alone radon contractor courses at NeighborWorks trainings. Despite NCHH's best efforts to advertise and attract people to the course, there was little interest in radon as a stand-alone course. Therefore, NCHH did not meet the expected outcome. In response, NCHH arranged to have radon integrated as modules within existing NeighborWorks training courses. By the end of the project period, NCHH submitted radon for inclusion in three training courses that routinely have 25 participants per training. NeighborWorks offers the training three to four courses annually.

5. **National Healthy Homes Training Center and Network: Funded by U.S. Centers for Disease Control and Prevention**
   Period of Performance: September 2004 to today

Project Manager: Susan Aceti
Through an interagency agreement with HUD, CDC is funding NCHH to lead the National Healthy Homes Training Center and Network to build the capacity of environmental, public health, and housing practitioners. CDC was so pleased that it renewed the agreement in 2006 for three years as a sole-source grant. NCHH submitted monthly and annual reports. These reports documented its progress towards achieving expected results. All performance measures were exceeded for this project, and all work was completed on time and within budget.

6. **Providence Healthy Homes Study (Phases I & II) Phase I: City of Providence; Phase II: Battelle Memorial Institute (HUD)**
Contract Amount: Phase I: $227,753; Phase II: $388,757
Project Manager: Jill Breysse
Funded as a HUD Healthy Homes Demonstration Grant in 1999 (RILHH0071-99). NCHH evaluated the effectiveness of adding healthy homes treatments to intensive lead hazard control treatments in reducing allergen concentrations and dust lead loadings. NCHH was responsible for the study design and protocols, quality control, data management and analysis. All work was completed on time and within budget.

7. **Evaluation of the HUD Lead-Based Paint Hazard Control Grant Program**:
Period of Performance: 1993-2003 Contract Amount: $9,827,030
Project Manager: Jonathan Wilson
HUD Grant MDLPR0005-94 This 10-year project analyzed the costs and effectiveness of several different strategies for reducing lead-based paint hazards in approximately 2,900 homes located in 12 states. NCHH coordinated data collection by 14 HUD grantees and sub grantees. This is a definitive study and was completed with a high degree of scientific rigor, resulting in numerous publications in peer-reviewed literature and affecting significant policy progress.

8. **U.S. Department of Energy (DOE) Lead-Safe Weatherization**
Contract Amount: $304,000
Project Manager: Jill Breysse
NCHH, with funding from the DOE, Oak Ridge National Laboratory, Contract 4000030365 partnered with state energy programs in Rhode Island and Maryland and a local agency in Indianapolis to study the effect of energy-efficiency activities on dust lead levels in homes. The project was completed on time and within budget.

9. **HUD Healthy Homes Technical Study: Development of a Standardized Home Assessment of Asthma: A Multi-Site Study**
Contract Amount: $520,096
Project Manager: David Jacobs
NCHH and its partner institutions synthesized complex data from nine studies in order to identify visual assessment protocols, questionnaires, environmental testing, and other tools that are most predictive of allergens in the homes and to develop a standardized home assessment for asthmatic families. Boston Medical Center (Boston), Boston Public Housing

Authority/Harvard (Harvard), Cincinnati Children's Hospital (Cincinnati Asthma Prevention Study, or CAPS), Johns Hopkins University (Hopkins) and Seattle-King County Public Health (Seattle) each contributed data from a single asthma study to this project, while Case Western Reserve (Cleveland) and Columbia University each contributed data from two studies, yielding a total of nine studies conducted at seven sites across the country. The study demonstrates NCHH's ability to design and conduct studies on subjects related to other housing related hazards; conduct scientific literature reviews; analyze, critique, and synthesize data from other studies; use various statistical techniques and prepare manuscripts for publication in peer reviewed literature. NCHH completed a draft manuscript of the study findings and submitted it to a peer-reviewed scientific journal. NCHH presented the findings at the National Healthy Homes Conference.

10. **Viking Terrace, *Minnesota Green and Healthy Housing Program* – EPA and Blue Cross and Blue Shield of Minnesota Foundation (BCBS)**
Period of Performance: 2007-2009 Contract Amount: $382,000
Project Manager: Jill Breysse
NCHH partnered with the Southwest Minnesota Housing Partnership to evaluate how substantial renovations to 60 apartment units in rural Minnesota pursuant to the Enterprise Green Communities Criteria affected the health status of the adult and children occupants. Evaluation measures included air quality parameters, interviews, and visual assessments. Health status measures included self-reports of health and well-being, asthma and other respiratory effects, injuries, allergies, neurological effects, and mental health. NCHH reported progress to EPA and BCBS throughout the grant, with formal reports at the end of each year. All objectives have been met and NCHH completed the final report and a manuscript for a peer-reviewed journal.

11. ***Making Low-Income Housing Rehab Green and Healthy***
Contract Amount: $999,374
Project Manager: David Jacobs
Grant # MDLHH0156-07. NCHH and its partners are conducting the first HUD demonstration of how incorporating green building design into low-income housing rehabilitation can promote health and reduce allergen levels. The project will demonstrate how disease, injury, and other health problems can be significantly reduced for low-income families. The project was completed on time and within budget.

12. **Wheeler Terrace, *DC Green and Healthy Housing Program* – HUD #MDHHD0156-07**
Period of Performance: 2008-2011 Contract Amount: $1.0 million
Project Manager: Susan Aceti
NCHH is studying how incorporating green building design into low-income apartment housing rehab can promote health and reduce environmental exposures while meeting DC's new green building law. Interventions include ventilation system modifications to improve fresh air supply and distribution, installing bathroom and kitchen exhaust fans, improved building envelope sealing to control moisture and pest intrusion, and Integrated Pest Management. By training construction and developer personnel and educating community residents, we will help ensure proper maintenance and operation after project completion. We

will soon begin documenting whether the program produced statistically significant (1) improvements in asthma, overall self-reported health, respiratory health, and certain mental health measures after one year; and (2) reductions in settled dust allergen levels immediately after treatment and one year later. We will present our proposed data and evaluation designs to the residents at community meetings to ensure community-based participatory research integration.

13. **Watts to Well-Being**
    Contract Amount: $792,590
    Project Manager: Jonathan Wilson
    HUD# MDLHH0190-08. This study will help to determine if modern energy conservation measures in low-income multi- and single-family housing improve the health status of the occupants, including self-reports of respiratory, cardiovascular, mental health, and overall health status. The study will characterize the health of occupants in approximately 550 dwelling units in Chicago (n=400) and Boston (n=150). The project is on time and within budget.

14. **Milwaukee Healthy Homes Study**, City of Milwaukee,.
    Contract Amount: $212,910
    Project Manager: Jill Breysse
    Randomized controlled trial of the effectiveness of interventions under the Milwaukee Healthy Homes Demonstration Project (WILHH0108-02), evaluating the effectiveness of adding healthy homes treatments to a case management model for the control of asthma. NCHH managed the housing interventions, helped design the study, developed and maintained the data management system, performed quality control, and produced a scientific manuscript. The project was completed on time and on budget.

15. **Rochester Lead-in-Dust Study:**
    Project Manager: Jonathan Wilson
    NCHH developed this study in collaboration with HUD, EPA, and CDC. Dr. Bruce Lanphear and the Lead-in-Dust study group at the University of Rochester School of Medicine conducted the study, which found that dust lead loading is a better predictor of children's blood lead levels than dust lead concentration and that any household dust lead standard should be linked to the method by which dust is sampled, because the relationship between children's blood lead levels and dust lead levels varies significantly by method of dust collection. The relationship between blood lead levels and household dust lead was found to be different for floors, windowsills, and window troughs using the same dust collection method, indicating that different surface standards were needed. These differing standards are reflected in EPA’s current lead hazard standards.

16. **Housing Code Analysis:**
    NCHH, with funding from HUD and CDC and with the support of the National Conference of State Legislatures (NCSL), developed a draft summary of state laws that impact healthy homes in 2008. Housing codes can be the backbone of a successful healthy homes program. NCHH and NCSL are now working on an evaluation of model programs.

17. **Comparing Green Building Guidelines and Healthy Homes Principles: A Preliminary Investigation, 2006.**
    Project Manager: Rebecca Morley
    In this report, NCHH compared major national green building and indoor air quality guidelines with its own set of recommended healthy housing criteria to assess the extent to which these programs protect residents from health and safety hazards. The analysis examined guidelines produced by both the public and private sectors including: the U.S. Green Building Council's LEED for Homes, the National Association of Home Builders' NAHB Green Home Building Guidelines, and Enterprise Community Partner's Green Communities Criteria, spearheaded by Enterprise in partnership with NRDC and other national entities. NCHH also included in the analysis the U.S. Environmental Protection Agency's (EPA) Energy Star with Indoor Air Package and the American Lung Association's Health House Builder Guidelines, which are programs aimed primarily at improving the quality of the indoor environment. The analysis examines whether national green guidelines address housing conditions known to affect health status, such as asthma and respiratory disease, unintentional injuries, and toxic agents. NCHH compared the criteria in the selected guidelines with its healthy housing principles. The results showed that there is significant variation in the degree to which national green guidelines consider occupant health and only one program, Green Communities, focused on affordable existing housing.

National Healthy Housing Training Center and Network –NEHA Task Order 0016 (Subgrant through the National Environmental Health Association) $610,000 (2009-2010): Through an interagency agreement with HUD, CDC is funding NCHH to lead the National Healthy Homes Training Center and Network, which builds the capacity of environmental, public health, and housing practitioners to construct and rehab healthy housing through training, partnership-building, and technical assistance. Since 2005, the Training Center trained over 6,500 practitioners, built an online Healthy Homes Clearinghouse, established a network of 26 local and regional training partners, and continued to support individuals earning the Healthy Homes Specialist credential. Since 2005, NCHH has provided annual reports detailing the success of this project and regularly meets with HUD and CDC to keep them informed of our work and progress.

Wheeler Terrace, *DC Green and Healthy Housing Program* – HUD #MDHHD0156-07 $1.0 million (2008-2011): NCHH is studying how incorporating green building design into low-income apartment housing rehab can promote health and reduce environmental exposures while meeting DC's new green building law. Interventions include ventilation system modifications to improve fresh air supply and distribution, installing bathroom and kitchen exhaust fans, improved building envelope sealing to control moisture and pest intrusion, and Integrated Pest Management. By training construction and developer personnel and educating community residents, we will help ensure proper maintenance and operation after project completion. We will soon begin documenting whether the program produced statistically significant (1) improvements in asthma, overall self-reported health, respiratory health, and certain mental health measures after one year; and (2) reductions in settled dust allergen levels immediately after treatment and one year later. We will present our proposed data and evaluation designs to the residents at community meetings to ensure community-based participatory research integration.

Viking Terrace, *Minnesota Green and Healthy Housing Program* – EPA and Blue Cross and Blue Shield of Minnesota Foundation (BCBS) $382,000 (2007-2009): NCHH partnered with the Southwest Minnesota Housing Partnership to evaluate how substantial renovations to 60 apartment units in rural Minnesota pursuant to the Enterprise Green Communities Criteria affected the health status of the adult and children occupants. Evaluation measures included air quality parameters, interviews, and visual assessments. Health status measures included self-reports of health and well-being, asthma and other respiratory effects, injuries, allergies, neurological effects, and mental health. NCHH reported progress to EPA and BCBS throughout the grant, with formal reports at the end of each year. All objectives have been met and NCHH completed the final report and a manuscript for a peer-reviewed journal.

Evaluation of the HUD *Lead-Based Paint Hazard Control Grant Program* – HUD #MDLPR0005-94 $9.827 million (1993-2003): During this 10-year project, NCHH coordinated data collection by 14 grantees, analyzed the costs and effectiveness of several lead control strategies in 2,900 homes in 12 states, and demonstrated the success of HUD's program. Conducted with high scientific rigor, this study has been published in several peer-reviewed vehicles and has had a significant influence on public policy progress. NCHH, with Battelle's support, completed a sixth-year follow-up study in 2005 and is currently analyzing data from an eleventh- and twelfth-year follow-up evaluation.

***Development of a Standardized Home Assessment of Asthma:* A Multi-Site HUD Healthy Homes Technical Study – HUD #MDLHH0135-05 $520,096 (2005-2007):** With support from several university and local partners, NCHH analyzed data from nine studies to identify visual assessment protocols, questionnaires, environmental tests, and other tools to best predict allergens in the home. It then developed a standardized home assessment for asthmatic families. NCHH also prepared a draft manuscript on the study, submitted it to a peer-reviewed scientific journal, and presented the findings at the National Healthy Homes Conference.

BIOGRAPHICAL SKETCH

NAME [redacted]	POSITION TITLE Adjunct Associate Professor and Director of Research National Center for Healthy Housing Columbia, MD
eRA COMMONS USER NAME Dejacobs	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Antioch College	BA	1969-73	Political Science
Oakland University	BS	1979-82	Env Health/Chemisty
Georgia Institute of Technology	MS	1986-88	Tech & Science Policy
Kennedy Western University	PhD	1996-98	Env Engineering

A. Positions and Honors

1983 Chemistry Laboratory Instructor and Coordinator, Oakland University, Rochester MI
1983-91 Faculty Research Scientist, Georgia Institute of Technology, Atlanta, GA
Director, EPA Southern Lead-Based Paint Training Consortium, OSHA Consultation Program Industrial Hygienist
1992-95 Deputy Director, National Center for Lead-Safe Housing, Columbia, MD
1995-04 Director, Office of Healthy Homes and Lead Hazard Control, HUD
2004-06 Senior Advisor, Environmental Review, CPD, HUD
2006- Research Director, National Center for Healthy Housing, Columbia MD

Other Experience, Awards and Professional Memberships

Academic Appointments

2005- Associate Professor (Adjunct), School of Public Health, Univ of Illinois at Chicago,
2005- Faculty Associate, Johns Hopkins University Bloomberg School of Public Health

Awards

2009 Exemplary National Leadership Award, Blue Cross/Blue Shield Foundation of Minnesota
2008 Leadership Award, Lead and Environmental Hazards Association
2001 Destiny Award, Birmingham, AL
1999 Special Commendation for Outstanding Service, U.S. Department of Justice
1997 Outstanding Service Award, U.S. Department of Housing & Urban Development
1995 Industry Person of the Year, Lead Tech Conference & Exhibition
1986 Outstanding Contribution, Thomas P. Hinman Dental Meeting

Selected Memberships and Affiliations

U.S. Environmental Protection Agency, Children's Health Protection Advisory Committee 2007
Asthma Community Guide Coordinating and Consulting Committee, CDC 2008-present
American Public Health Association 1988-present
World Health Organization, Scientific Editor, Housing Env Burden of Disease 2010
Lead Poisoning Prevention Advisory Committee, DC Dept of Environment, Chair 2009-2010
Green Building Task Force of the District of Columbia 2006

Am. National Standards Institute, Green Building Initiative, Indoor Env Subcommittee
ASTM, formerly American Society for Testing and Materials, Member2007-present
International Society for Urban Health 2006-present
National Childhood Lead Poisoning Prevention Advisory Committee, CDC, ex-officio member 1995-2004
Secretary's Advisory Committee on Human Research Protection, ex-officio member 2003-2004
National Low-Income Energy Consortium Board, ex-officio member 2004
National Pollution Prevention Advisory Committee, EPA, ex-officio member 2003-2004
Secretary's Task Force on Lead-Based Paint Hazard Reduction and Financing 1995
Certified Industrial Hygienist (CIH), American Board of Industrial Hygiene *Comprehensive Practice, Certificate 4066* 1988-present
American Industrial Hygiene Association 1981-present
Lead and Environmental Hazard Association, Board Member 2006-present

B. Selected peer-reviewed publications (in chronological order).

1. Jacobs, RL, **Jacobs, DE**, Breysse J. 2010. Home is Where the Health Is: Bringing Healthy Sustainable Housing to Low-Income Populations. Clearinghouse Review: A Journal of Poverty Law and Policy (Accepted, August 2010).
2. Krieger J, **Jacobs DE**. 2010. Healthy Housing (Book Chapter) in: Frumkin H, Jackson R, Dannenburg A (eds), Making Healthy Places: A Built Environment for Health, Well-Being, and Sustainability, Island Press. (In Press).
3. Braubach M, **Jacobs DE**, Ormandy D (eds). Environmental burden of disease associated with inadequate housing: A method guide to the quantification of health impacts of selected housing risks in the WHO European Region (book). World Health Organization (Europe). In Press.
4. **Jacobs DE**. 2010. Environmental Health Disparities in Housing. J Am Public Health Assoc (submitted August 2010).
5. Dixon S, **Jacobs DE**, Wilson J, Akoto J, Clark CS. Window Replacement and Residential Lead Paint Hazard Control 12 Years Later. Environ Health Perspect (submitted Aug 2010)
6 **Jacobs DE.** Lead (Book Chapter) In: Patty's Toxicology, 6th Edition, Eds. Eula Bingham and Barbara Cohrssen, John Wiley and Sons (Submitted February 2010).
7. **Jacobs DE**, Brown MJ, Baeder A, Scalia Sucosky M, Margolis S, Hershovitz J, Kolb L, Morley, RL. A Systematic Review of Housing Interventions and Health: Introduction, Methods, and Summary Findings. J Public Health Management Practice, 2010, September (Suppl), S3–S8.
8. Krieger J, **Jacobs DE**, Ashley PJ, Baeder A, Chew GL, Dearborn D, Hynes HP, Miller. Morley RL, Rabito F, Zeldin DC. Housing Interventions and Control of Asthma-Related Indoor Biologic Agents: A Review of the Evidence. J Public Health Management Practice, 2010, September (Suppl), S9–S18.
9. Sandel M, Baeder A, Bradman A, Hughes J, Mitchell C, Shaughnessy R, Takaro TK, **Jacobs DE**. Housing Interventions and Control of Health-Related Chemical Agents: A Review of the Evidence. J Public Health Management Practice, 2010, September (Suppl), S19–S28.
10. DiGuiseppi C, **Jacobs DE**, Phelan KJ, Mickalide AD, Ormandy D. Housing Interventions and Control of Injury-Related Structural Deficiencies: A Review of the Evidence J Public Health Management Practice, 2010, September (Suppl), S32–S41.
11. Jackson M, Wilson J, Akoto J, Dixon S, **Jacobs DE**, Ballesteros M.F. 2010. Evaluation of Fire-Safety Programs that use 10-Year Smoke Alarms. J Community Health, on-line Feb 24, 2010.

12. **Jacobs DE**. Healthy Housing Hazard Detection (Book Chapter) In: Healthy Housing Program Manual. Ed. A Murphy and C. Kawecki. U.S. Department of Housing and Urban Development, Washington DC, Submitted Jan 2010

13. **Jacobs DE.** Tailoring Healthy Housing Interventions (Book Chapter) In: Healthy Housing Program Manual. Ed. A Murphy and C. Kawecki. US Department of Housing and Urban Development, Washington DC, Submitted December 2009.

14. **Jacobs DE** and Hershovitz J. Principles of Healthy Homes (Book Chapter) In: Healthy Housing Ed. R. Morley, American Public Health Association, Washington DC, In Press June 2010.

15. Brown MJ, Treser C, **Jacobs DE**. The Role of Public Health Professionals and Developing the Workforce In: Healthy Housing Ed. R. Morley, American Public Health Association, Washington DC, In Press June 2010

16. Breysse J, Wendt J, Dixon S, Murphy A, Wilson J, Cohn J, **Jacobs DE**. Nurse case management and housing interventions reduce allergen exposures: The Milwaukee randomized controlled trial. Public Health Reports (accepted Feb 2010)

17. **Jacobs DE**, Breysse J, Kawecki C, Aceti S, Weber W. An evaluation of the health outcomes of green and healthy housing rehab. Proceedings of the Healthy Buildings 2009 Conference. Int'l Soc of Indoor Air Quality. Syracuse, NY. Sept 15, 2009

18. Wilson J, Breysse P, Dixon S, **Jacobs DE**, Chew GL, Dearborn D, Krieger J, Spanier A, Sandel M, Adamkiewicz A. Housing Characteristics and Allergens Associated with Childhood Asthma Morbidity: A Pooled Analysis of Nine Studies. Env Res 110 (2010) 189–198.

19. Mucha AP, Stites N, Evens A, MacRoy PM, Persky VW, **Jacobs DE**. 2009. Lead dustfall from demolition of scattered site family housing: Developing a sampling methodology. Env Res 109(2): 143-148.

20. Brown MJ and **Jacobs DE.** Residential Lighting and Risk for Depression and Falls: Results from Eight European Cities, (in preparation)

21. **Jacobs DE,** Dixon SL, Wilson JW, Smith J, Evens A. 2009. The Relationship of Housing and Public Health: A 30 Year Retrospective Analysis in the US. Environ Health Perspect. 117: 597-604.

22. Dixon SL, Fowler C, Harris J, Moffat S, Martinez Y, Walton H, Ruiz B, **Jacobs DE**. 2009. An Examination of Interventions to Reduce Respiratory Health and Injury Hazards in Homes of Low-Income Families. Env Res 109: 123-130

23. Gaitens JM, Dixon SL, **Jacobs DE**, Nagaraja J, Strauss W, Wilson JW, Ashley PJ. U.S. Children's Exposure to Residential Dust Lead, 1999-2004: I. Housing and Demographic Factors Associated with Lead-contaminated Dust, Env Health Perspect 117: 461-467 (2009)

24. Dixon SL, Gaitens JM, **Jacobs DE**, Strauss W, Nagaraja J, Pivetz T, Wilson JW, Ashley PJ. U.S. Children's Exposure to Residential Dust Lead, 1999-2004: II. The Contribution of Lead-contaminated Dust to Children's Blood Lead Levels, Env Health Perspect 117: 468-474 (2009)

25. **Jacobs DE.** Healthy housing standards: Fragmentation or Harmonization? Proceedings of the 5th Warwick Healthy Housing Conference, University of Warwick, Coventry, UK, March 17, 2008

26. Levin R, Brown MJ, Kashtock ME, **Jacobs DE**, Whelan EA, Rodman J, Schock MR, Padilla A, Sinks T. Children's lead exposure in the USA, 2008: Implications for prevention. Environ Health Perspect On line May 19, 2008.

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person.

NAME	POSITION TITLE
[redacted]	Instructor/Senior Industrial Hygienist
eRA COMMONS USER NAME (credential, e.g., agency login) CALIS	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	MM/YY	FIELD OF STUDY
University of Wisconsin, Madison, WI	BS	1977	Communication Arts: Film and Television Production
University of Illinois at Chicago, School of Public Health, Chicago IL	MS	1993	Industrial Hygiene
American Board of Industrial Hygiene	CIH Certification	1997	Certified Industrial Hygienist

A. Personal Statement

I have 18 years of academic and practical experience in industrial hygiene, and instruct in academic and a wide variety of relevant continuing education courses. I am a PI or co-investigator and project manager for applied research projects in industrial hygiene and environmental issues. I also mentor graduate students and serve on thesis committees for students who are collecting capstone, thesis, and dissertation data for their academic degrees.

B. Positions and Honors

August, 1991 to August, 1995: Industrial Hygienist (Academic Title: Senior Research Specialist), University of Illinois at Chicago School of Public Health, Midwest Environmental and Industrial Health Training Center

August, 1995 to present: Industrial Hygienist (Academic Title: Instructor and Senior Research Specialist), University of Illinois at Chicago, School of Public Health, Environmental and Occupational Health Sciences Division & Great Lakes Center for Occupational & Environmental Safety & Health

January, 1999 to present: President, Instructor, and Industrial Hygiene Specialist for Stellar Environmental Services, Inc., a not-for-profit environmental training organization

C. Selected Peer-reviewed Publications

1. Conroy, L.M., R.M. Menezes-Lindsay, P.M. Sullivan, S. Cali, and L. Forst: Lead, chromium, and cadmium exposure during abrasive blasting. *Arch. Env. Health* 51(2):95-99 (1996).
2. Cali, S, John Franke, Lorraine Conroy, and Peter Scheff, First, Do No Harm: Indoor Air Quality in Hospitals, *EM, Air & Waste Management Association*, October, 2000
3. Cali, S, Illinois Community of Excellence in Environmental Health: Health Hazard Evaluations, Public Health Practice in IL publication, Spring, 2004, Volume 5, Number 3
4. Huhn, Gregory D., C. Austin, M. Carr, D. Heyer, P. Boudreau, G. Gilbert, T. Eimen, M.D. Lindsley, S. Cali, C.S. Conover, and M.S. Dworkin, Two Outbreaks of Occupationally Acquired Histoplasmosis: More than Workers at Risk, *Environmental Health Perspectives*, Vol. 113, No. 5, May, 2005
5. Curtis, Luke, S. Cali, L. Conroy, K. Baker, C.-H. Ou, R. Hershow, F. Norlock-Cruz, P. Scheff, Aspergillus surveillance project at a large tertiary-care hospital, Journal of Hospital Infection, J Hosp Infect. 2005 Mar;59(3):188-96.
6. Clark; Thomas, Gregory D. Huhn, Craig Conover, Salvatore Cali, Matthew J. Arduino, Rana Hajjeh, Mary E. Brandt, Scott K. Fridkin, MD, Outbreak of Bloodstream Infection With the Mold *Phialemonium* Among Patients Receiving Dialysis at a Hemodialysis Unit, *Infection control and hospital epidemiology*, November 2006, vol. 27, no. 11
7. Cali S, Scheff P, Mucha A, Nickels L, Oliynyk I, Hryhorczuk D. The Great Lakes Center's Health Hazard Evaluation Program: Promoting Community Environmental Health through Partnerships Between Academic and Public Health Departments. *Journal of Environmental Health*. 2007 Aug; 70(1):42-46.
8. Rao, Carol Y. , ScD; Constance Pachucki, MD; Salvatore Cali, MPH; Mangai Santhiraj, MPH; Kathi L. K. Krankoski, BS; Judith A. Noble-Wang, PhD; David Leehey, MD; Subhash Popli, MD; Mary E. Brandt, PhD; Mark D. Lindsley, ScD; Scott K. Fridkin, MD; Matthew J. Arduino, DrPH. Contaminated Product Water as the Source of *Phialemonium curvatum* Bloodstream Infection among Patients Undergoing Hemodialysis, *Infection control and hospital epidemiology*, September 2009, vol. 30, no. 9.
9. Hua Wei, Mary Turyk, Salvatore Cali, Samuel Dorevitch, Serap Erdal and An Li, Particle size fractionation and human exposure of polybrominated diphenyl ethers in indoor dust from Chicago, *Journal of Environmental Science and Health Part A* (2009) 44, 1353–1361.

D. Research Support

Ongoing Research Support

NIOSH	Conroy (PI)	1995 – Present

National Institute of Occupational Safety and Health, Illinois Occupational and Environmental Health and Safety Education and Research Center

The goals of this project include the promotion and training of a workforce in occupational and environmental safety and health sciences.

Role: Instructor, Research Co-ordinator

IDPH	Cali (PI)	Jul 1, 2010 – Jun 30, 2011

Illinois Department of Public Health, Illinois Beach Data Analysis and Field Support

The goals of this project include field characterization and data analysis of specific swimming beach locations for the purpose of ensuring or improving water quality relative to primary contact recreation.
Role: Principal Investigator

CDC Cali (PI) Sep 1, 2010 – Aug 31, 2012
Intergovernmental Personnel Agreement with Centers for Disease Control and Prevention, Division of Healthcare Quality Promotion, Sep 2010 – August, 2012.
Role: Liason, field collection, and data analysis of healthcare facility surface samples to measure bioburden of bacterial and multi-drug resistant organisms on patient care surfaces.

Completed Research Support
IDPH Cali (PI) Jul 1, 2008 – Jun 30, 2010
Illinois Department of Public Health, Illinois Beach Data Analysis and Field Support
The goals of this project include field characterization and data analysis of specific swimming beach locations for the purpose of ensuring or improving water quality relative to primary contact recreation.
Role: Principal Investigator

US Housing and Urban Development, (HUD) Jacobs (PI) Nov 1, 2006 – Jul 31, 2009
Exterior Lead Dust in Single Family Housing Demolition, The goals of this project include characterization of settled dust for lead and other metals in areas adjacent to demolition activities for the purpose of devising recommendations for improved work practices.
Role: Co-Investigator and Project Manager

MWRDGC Dorevitch (PI) Mar 2008 – Dec 2009
Metropolitan Water Reclamation District of Greater Chicago, Chicago Health, Environmental Exposure and Recreation Study
The goals of this study are to characterize water exposure and epidemiology of GI tract and other potential diseases during recreational activities in Chicago area waterways
Role: Co-Investigator and Project Manager

[redacted]

EDUCATION

DOCTOR OF PHILOSOPHY, Department of Mathematics and Statistics, April 1993
Western Michigan University, Kalamazoo, Michigan

MASTER OF SCIENCE, Department of Mathematics and Statistics, August 1988
Western Michigan University, Kalamazoo, Michigan

BACHELOR OF SCIENCE, April 1986
Western Michigan University, Kalamazoo, Michigan

EXPERIENCE

National Center for Healthy Housing
10320 Little Patuxent Parkway, Suite 500, Columbia, Maryland
Jonathan Wilson 410.992.0712
November 1994 - present
Biostatistician

- Explored the relationship between housing and population health over the last 30 years using data from the National Health and Nutrition Examination Survey and the American Housing Survey.
- Planned and conducted analysis to identify predictors of dust lead loadings and blood lead concentrations based on the National Health and Nutritional Examination Survey data from 1999-2004.
- Conducted numerous analyses and authored dozens of papers to support federal environmental guideline and regulation development and assessment. HUD used results to create lead hazard risk assessment procedures, set federal standards for dust and soil, and develop guidelines on lead hazard reduction techniques.
- Developed, implemented, documented and reviewed statistical models and results for the analysis of environmental, health and construction data in the longitudinal multi-site national evaluation of the U.S HUD Lead-Based Paint Hazard Control Grant Program in Private Housing.
- Experienced in complex modeling methods such as hierarchical linear modeling and generalized linear modeling.

Costa Rican Teachers' Retirement System
San José, Costa Rica
1993 – 1994
Statistician and Actuary

- Developed actuarial models and algorithms to analyze the assets and liabilities of the Costa Rican Teachers' Retirement System.
- Created financial models to guide the Costa Rican legislature in decisions regarding teachers' pension legislation.

Western Michigan University - Department of Mathematics and Statistics
1903 W. Michigan Avenue, Kalamazoo, Michigan 49008-5248
269.387.4510
1986 - 1992
Statistical Consultant

Advised faculty, staff, and professional clientele on statistical studies in the Center for Statistical Services. Designed and implemented statistical analyses for these studies using SAS, SPSSX and FORTRAN.

SELECTED PUBLICATIONS

- Dixon S, Gaitens J, Jacobs D, Strauss W, Nagaraja J, Pivetz T, Wilson J, Ashley P. U.S. Children's Exposure to Residential Dust Lead, 1999-2004: II. The Contribution of Lead-contaminated Dust to Children's Blood Lead Levels. Environmental Health Perspectives 117:468–474, 2009.
- Gaitens J, Dixon S , Jacobs D, Nagaraja J, Strauss W, Wilson J, Ashley P. U.S. Children's Exposure to Residential Dust Lead, 1999-2004: II. The Contribution of Lead-contaminated Dust to Children's Blood Lead Levels. Environmental Health Perspectives 117:461–467, 2009.
- Dixon S, Fowler C, Harris J, Moffat S, Martinez Y, Walton H, Ruiz B, Jacobs D. Interventions to Reduce Health and Safety Hazards in Homes of Low-Income Families with Children: Results of the Phoenix Healthy Homes Study, Environmental Research 109: 123-130, 2009.
- Dixon S, Wilson J, Kawecki C, Green R, Phoenix, J, Galke W, Clark S, Breysse J. Selecting a Lead Hazard Control Strategy Based on Dust Lead Loading and Housing Condition: I. Methods and Results, Journal of Occupational and Environmental Hygiene, 5:8, 530 – 539, 2008.
- Breysse J, Dixon S, Wilson J, Kawecki C, Green R, Phoenix, J, Galke W, Clark S, Selecting a Lead Hazard Control Strategy Based on Dust Lead Loading and Housing Condition: II. Application of Housing Assessment Tool (HAT) Modeling Results, Journal of Occupational and Environmental Hygiene, 5:8, 540 – 545, 2008.
- Dixon S, Wilson J, Galke W. Friction and impact surfaces: Are they lead-based paint hazards? Journal of Occupational and Environmental Hygiene 4:855-863, 2007.
- Korfmacher KS, Dixon S. Reliability of spot test kits for detecting lead in household dust. Environmental Research: 104:241–249, 2007.
- Breysse J, Anderson J, Dixon S, Galke W, Wilson J. Immediate and one-year post-intervention effectiveness of Maryland's lead law treatments. Environmental Research

105(2): 267-275, 2007.

- Wilson J, Dixon S, Galke G, McLaine P, An investigation of dust lead sampling locations and children's blood lead levels. Journal of Exposure Science and Environmental Epidemiology: 17:2-12, 2007.
- Breysse J, Dixon S, Wilson J, Kawecki C, Green R, Phoenix, J, Galke W, Clark S, Selecting a Lead Hazard Control Strategy Based on Dust Lead Loading and Housing Condition: II. Application of Housing Assessment Tool (HAT) Modeling Results, Journal of Occupational and Environmental Hygiene, 5:8, 540 – 545, 2008.
- Dixon S, Wilson J, Galke W. Friction and impact surfaces: Are they lead-based paint hazards? Journal of Occupational and Environmental Hygiene 4:855-863, 2007.
- Korfmacher KS and Dixon S. Reliability of spot test kits for detecting lead in household dust, Environmental Research: 104:241–249, 2007.
- Wilson J, Dixon S, Galke G, McLaine P, An investigation of dust lead sampling locations and children's blood lead levels. Journal of Exposure Science and Environmental Epidemiology: 17:2-12, 2007.
- Wilson J, Pivetz T, Ashley P, Jacobs D, Strauss W, Menkedick J, Dixon S, Tsai HS, Brown V, Friedman W, Galke W, and Clark,C. Evaluation of HUD-Funded Lead Hazard Control Treatments at Six Years Post-Intervention, Environmental Research: 102(2):237-48, 2006.
- Dixon S, McLaine P, Kawecki C, Maxfield R, Duran S, Hynes P, Plant T, The Effectiveness of Low-Cost Soil Treatments to Reduce Soil and Dust Lead Hazards: The Boston Lead Safe Yards Low Cost Lead in Soil Treatment, Demonstration and Evaluation. Environmental Research 102: 113-124, 2006.
- Brown MJ, McLaine P, Dixon, S, and Simon, P. A Randomized Community Based Trial of Home Visiting to Reduce Blood Lead Levels in Children. Pediatrics 117(1):147-53, 2006.
- Dixon S, Wilson J, Clark CS, Galke W, Succop P, Chen M. The Influence of Common Area Lead Hazards and Lead-Hazard Control on Dust Lead Loadings in Multi-Unit Buildings, Journal of Occupational and Environmental Hygiene 2:659-666, 2005.
- Dixon S, Wilson J, Clark CS, Galke W, Succop P, Chen M. Effectiveness of Lead-Hazard Control Interventions on Dust Lead Loadings: Findings from the Evaluation of the HUD Lead-Based Paint Hazard Control Grant Program, Environmental Research 98:303-314, 2005.

CONTINUING EDUCATION

- Longitudinal Data Analysis with Discrete and Continuous Responses, SAS Institute Inc., March 26-28, 2008.
- SUDAAN Modeling Procedures, Research Triangle Institute, July 11-13, 2007.
- Multilevel Modeling of Hierarchical and Longitudinal Data, SAS Institute Inc., April 19-21, 2006.
- SAS® Color Graphics, SAS Institute Inc., September 26-28, 2001.
- Applied Multivariate Methods, The Institute for Professional Education, Inc., June 20-22, 2001.
- Analysis and Modeling of Binary and Ordinal Response Data, The Institute for Professional Education, Inc., May 14-16, 2001.

Biographical Sketch

[redacted]

EDUCATION

Loyola University of Chicago School of Law J.D. 1986
Columbia University School of Social Work, New York City M.S.S.W. 1977
University of Michigan,Ann Arbor, B.A. 1974 Cum Laude

PROFESSIONAL EXPERIENCE

1998- Clinical Prof, and Director, Child Law Policy Institute, Loyola Univ Chicago School of Law
1994-1998 Dir, Policy and Planning/Consultant, IL Dept of Children & Family Services, Office of the Inspector General
1990-1998 Adjunct Faculty, School of Social Service Administration, University of Chicago
1991-1994 Staff Attorney, Children's Rights Project, Legal Assistance Foundation of Chicago (Consultant, 1988-1989)
1990-1991 Senior Fellow, Illinois Human Services Consortium
1987-1990 Supervising Attorney/Asst Public Guardian, Cook County Public Guardian's Office
1988 Consultant, National Center for Youth Law, San Francisco
1986-1987 Supervising Attorney, Jewish Family and Community Service, Chicago
1977-1984 Project Director/Asst to the Director, Consultant, Child Welfare League of America, NYC

PUBLICATIONS -Books

K. Blumenthal and A. Weinberg (eds.), Establishing Parent Involvement in Foster Care Agencies, New York: Child Welfare League of America (1984)

Chapters in Books

- "A Case Study of a Partnership in Chicago to Prevent Childhood Lead Poisoning," in Garbarino and Sigman (eds.) A Child's Right to a Healthy Environment, NY: Springer Publishing Company (2010)
- D. Geraghty, S. Platt and A. Weinberg, "Mandated Reporting Laws," in Understanding Children, Civitas Initiative and Top Press (2002). (Also published in Right on Course (a manual for teachers), Civitas Initiative (2002), and featured on a Civitas Website and CD Rom.)
- K. Blumenthal and A. Weinberg, "Involving Parents: Administrative Responsibility," in Establishing Parent Involvement in Foster Care Agencies, New York: Child Welfare League of America (1984)

Articles

- A. Weinberg, "An Intro to the Adop and Safe Families Act of 1997," 24 Chdn's Legal Rts Jrl 1 (Spr 2004)
- A. Weinberg and C. Harding, "Interdisciplinary Teaching and Collaboration in Higher Education: A Concept Whose Time Has Come," 14 Washington University Journal of Law & Policy (2004)
- A. Weinberg, "Lead Poisoning Threatens Children's Health, Legal System Responds," 7:1 Public Interest Law Reporter (Spr 2002)
- Platt and Weinberg, "The Ques of Best Interest in Failed Adoptions: A Case Study," 4:4 Adop Qtrly 2001

<u>Professional/Educational Materials</u> (selected)

- B. Boyer and A. Weinberg, *Dispositional and Permanency Hearings*, Juvenile Law Handbook, Illinois Institute of Continuing Legal Education (2007, update 2009)
- Childhood Lead Poisoning: A Historical Perspective (produced 8 minute video) (2008)
- Report to the Illinois General Assembly and Governor on Recommendations of the Illinois Lead Safe Housing Advisory Council (2007)
- Lead Safe Chicago: A Strategic Plan to Eliminate Childhood Lead Poisoning in Chicago by 2010 (with A. Evens) (2004)
- <u>Benchbook for Housing Court Judges</u> (with student researchers) (2004, update 2008)
- Weinberg and L Olesky, <u>Children in a Toxic World: Childhood Lead Poisoning</u> (cable tv PSA) (Spr 2002)

<u>Legislation</u>

- CLEAR-WIN Act (passed 2007, funded 2009)
- Illinois Lead Poisoning Prevention Act of 2006 (passed 2006)
- Illinois Lead Safe Housing Advisory Council Act (passed 2004)

<u>GRANT AWARDS</u>

Chicago Elimination Plan, Chicago DPH (subcontract through CDC) (totaling $700,000) (2003-2011)

Lead Safe Housing Initiative, The Chicago Community Trust (totaling $900,000) (1999-2011) (PI)

Lead Poisoning Prevention, Univ of Ill at Chicago (subcontract through US EPA) ($9,000) (2008)

Lead Poisoning Prevention: A Collaboration, U.S. EPA (totaling $68,000) (2001-2003) (PI)

<u>SPEECHES, PANELS, PRESENTATIONS</u> (selected)

- "Applying Clinical Theory to the Design and Implementation of Legislative Advocacy Clinics,"
AALS Clinical Teachers Conference (5/2010) (organizer and co-workshop presenter)
- "Challenges in Constructing and Reconstructing Experiential Education Programs," Experiential
Renaissance Roundtable, University of Minnesota School of Law (4/2010) (roundtable discussant)
- "Representing the Child: Strategies for Safe and Timely Return Home," Illinois Administrative Office of the Courts (11/2009 in Rockford, 7/2009 in Effingham and Springfield, Illinois) (speaker)
- "Tackling Childhood Lead Poisoning: Community Organizing, Fostering Collaborations, & Policy & Legislative Action," Loyola Univ Stritch Sch of Medicine (9/2009) (Inaugural PH Grand Rounds Lecture)
- "Teaching Advocacy & Policy Reform," Interdisciplinary Collaborative Educ Conf, GSU (9/2009)(panelist)
- "National Health Housing Policy Summit," National Center for Healthy Housing/Alliance for Healthy Homes (5/2009) (invitational round table participant)
- "Lead Poisoning Prevention," Conference of Women Legislators (4/2009) (witness)
- "Coalition Building and Organizing: the Lead Safe Chicago Initiative," Natl Symposium on Children's

Environmental Health, Ctr for the Human Rights of the Child, Loyola Univ (4/2008) (plenary speaker)
- “Addressing Childhood Lead Poisoning: Law Reform,” Statewide Conf, IL DPH(2008) (plenary presenter)
- “The Laws Intended to Protect Children and Families from Childhood Lead Poisoning,” Metropolitan Tenants Organization/Children’s Memorial Hospital (2008) (training presenter)
- “Community Efforts to Tackle Childhood Lead Poisoning,” Rogers Park Town Hall Mtg (2008) (presenter)
- “Severing Family Ties: Ethical Considerations,” On Good Authority (2008) (50 minute interviewee for post-graduate mental health providers)
- National Environmental Public Health Conf, CDC (12/2006) (workshop presenter)
- “Building Public/Private Partnerships and Political Support,” North Central Regional Conference on Healthy Homes (9/2006) (plenary session presenter)
- “Then and Now: Issues in Health Care,” Chicago Freedom Movement 40th Anniversary Celebration (Summer 2006) (workshop presenter)
- “Creating Child Protection Laws in a Multicultural Society,” Chicago Humanities Festival and Albany Park Theater Project (3/2006) (speaker)
- Chicago City Council, Health Committee, Lead Poisoning amendments (12/2006) (witness)
- IL Senate Health and Human Services Comm, IL Lead Poisoning Prevention Act of 2006 (3/2006) (witness)
- IL House Human Services Comm, IL Lead Poisoning Prevention Act of 2006 (2/2006) (witness)
- “Univ-Govt-Community Collaboration: Lead Safe Chicago” to US EPA and CDC (5/2005)(presenter)
- Natl Lead and Healthy Homes Grantees Conf, “Strategic Pln: No Templates Allowed” (presenter), (6/2004)

PROFESSIONAL & COMMUNITY ACTIVITIES (selected-health related)
Governor’s Lead Safe Housing Advisory Council, Co-chair (January 2005-present)
Illinois Lead Safe Housing Task Force, Chair (1999-present)
Cook County Board, Cook County Lead Poisoning Advisory Council (Member, 2001-present)
Office of the Lt. Governor, Children and Family Leadership Subcabinet (Member, 2001-2004)
Illinois Lead Safe Housing Task Force (Chair, 1999-present)
IL Dept Human Svcs/IL Dept Chdn and Family Svcs, Service Coord Committee (Member, 1999-2004)

HONORS
Children’s Environmental Health Excellence Award, U.S. EPA, 2006
Distinguished PILI Alumni Award, Public Interest Law Initiative, 2003
Edith Spurlock Sampson Juvenile Justice Pioneer Award, Loyola University for outstanding service to the Cook County Juvenile Court, March, 2000.
Loyola University Chicago School of Law, in recognition of service to the legal profession through service to the underprivileged, 1993.

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE
[redacted]	Professor of Pediatrics and Psychiatry, New York University School of Medicine
eRA COMMONS USER NAME WEITZM01	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Brooklyn College, Brooklyn, NY	BA	1968	Biology
State University of NY, Upstate Medical Center Syracuse, NY	MD	1972	Medicine

Positions and Employment

1972-75 Intern, Resident, and Chief Resident in Pediatrics, Upstate Medical Center, Syracuse, NY
1976-80 Assistant in Medicine, Children's Hospital, Boston, MA
1977-79 Assistant Professor, Harvard School of Public Health, Boston, MA
1979-90 Assist, Assoc (1984) and Full Prof (1990) of Pediatrics and Public Health, Boston U School of Med
1985-89 Director, Parent and Child Health Services, Boston Department of Health and Hospitals
1988-90 Director of Fellowship in General Academic Pediatrics, Boston University School of Medicine
1989-90 Director of General Pediatrics, Boston City Hospital and Boston University School of Medicine
1990-99 Director of Division of General Pediatrics, University of Rochester, NY
1990-99 Pediatrician-In-Chief, Rochester General Hospital, Rochester, NY
1991-94 Director, General Pediatrics Primary Care Residency Program, University of Rochester, NY
1990-2006 Professor, Associate Chair of Pediatrics, University of Rochester, NY
1991-2006 Director of Fellowship Training Programs in General Pediatrics, University of Rochester, NY
1999-2006 Executive Director, The American Academy of Pediatrics Center for Child Health Research
2006 -2007 Professor and Chair, Department of Pediatrics, New York University School of Medicine
2007- Professor of Pediatrics and Psychiatry, New York University School of Medicine

State and National Committees

1993-1998 Chair, American Academy of Pediatrics Committee on Community Health Services
1997- 2003 CDC Childhood Lead Poisoning Prevention Advisory Committee

1997- 2005 RWJ Generalist Physician Faculty Scholars Program National Advisory Committee
2001-2002 Environmental Protection Agency Children's Health Protection Advisory Committee
2002-2006 Chair, CDC Work Group of Effects of Blood Lead Levels Less than 10 ug/dl
2004-2006 Member, Institute of Medicine Committee on Environmental Health Research on Housing

<u>Honors</u>

1997 Ambulatory Pediatric Association Research Award

1998 Ambulatory Pediatric Association Teaching Award
2005 EPA Children's Environmental Health Recognition Award

Selected peer-reviewed publications (selected from approx 300 peer-reviewed publications)

Weitzman M, Aschengrau A, Bellinger D, Jones R, Hamlin JA, Beiser A. Lead Contaminated Soil Abatement and Urban Children's Blood Lead Levels. *<u>JAMA</u>*. 1993;269:1647-1654.

Aschengrau A, Bellinger D, **Weitzman M**. Soil Lead and Child Blood Lead. *<u>Environ Res</u>*. 1994;67:125-148.

Byrd RS, **Weitzman M**. Predictors of Early Grade Retention among Children. *<u>Pediatrics</u>*. 1994;93:481-487.

Lanphear BP, Jacobs D, **Weitzman M**, Winter NL, Yakir B, Eberly S. A Side-by-Side Comparison of Dust Collection Methods for Sampling Lead-Contaminated House Dust. *<u>Environ Res</u>*. 1995;68:114-123.

Lanphear BP, **Weitzman M**, Winter NL, Eberly J, Yakir B, Tanner M, Emond M, Matte TD. Lead-Contaminated House Dust and Urban Children's Blood Lead Levels. *<u>Am J Public Health</u>*. 1996;86:1416-1421.

Lanphear BP, **Weitzman M**, Eberly S. Racial Differences in Urban Children's Environmental Exposures to Lead. *<u>Am J Public Health</u>*. 1996;86:1460-1463.

Byrd RS, **Weitzman M**, Auinger P. Increased Behavior Problems Associated With Delayed School Entry and Delayed School Progress. *<u>Pediatrics</u>*. 1997;100:654-661.

Weitzman M. The Pure Pleasure of the Process: General Pediatric Research. *<u>Pediatrics</u>*. 1998;101:304-305.

Lanphear BP, Howard C, Eberly S, Auinger P, Kolassa J, **Weitzman M**. Primary Prevention of Childhood Lead Exposure: A Randomized Trial of Dust Control. *<u>Pediatrics</u>*. 1999;103:772-777.

Weitzman M, Byrd RS. Black and White Middle Children with Private Insurance. *<u>Pediatrics</u>*. 1999;104:151-157.

Aligne CA, Auinger P, Byrd RS, **Weitzman M**. Risk Factors for Pediatric Asthma: Contributions of Poverty, Race and Urban Residences. *<u>Am J Respir Crit Care Med</u>*. 2000;162: 873-877.

Lanphear B, Aligne A, **Weitzman M**. Residential Exposures and Asthma. *<u>Pediatrics</u>*. 2001;107:505-511.

Weitzman M, Byrd R, Aligne A, Moss M. The Effects of Tobacco Exposure on Children's Behavioral and Cognitive Functioning. *<u>Neurotoxicol Teratol</u>*. 2002. 24: 397-406.

Flores G, Fuentes-Afflick E, Mendoza F, **Weitzman M**.The Health of Latino Children; *<u>JAMA</u>*. 2002, 288:82-90

Tanski S, Klein JD, Winickoff JP, Auinger P, **Weitzman M**. Tobacco Counseling at Well Child and Tobacco Influenced Illness Visits: Opportunities for Improvement. *Pediatrics*. 2003;111: e162-e167.

Aligne A, Moss M, Auinger P, Pearson T, **Weitzman M**. Association of Pediatric Dental Caries with Passive Smoking: An Analysis of NHANES III. *JAMA*. 2003;289: 1258-1264.

McMillen R, Winickoff J, Klein J, **Weitzman M**. US Adult Attitudes and Practices Regarding Child Exposure to Environmental Tobacco Smoke *Pediatrics.* 2003;112:e-55-e-60.

Cook S, **Weitzman M**, Nguyen M, Auinger P, Dietz W. Prevalence of the Metabolic Syndrome in Adolescents: Findings from NHANES III, 1988-1994. *Arch Pediatr Adolesc Med*. 2003;157: 821-827.

Winickoff J, McMillen R, Carroll B, Klein J, Rigotti N, Tanski S, **Weitzman M**. Addressing Parental Smoking in Pediatrics and Family Practice: A National Survey of Parents. *Pediatrics*. 2003;112:1146-1151.

Nead K, Halterman J, Kaczorowski J, Auinger P, **Weitzman M**. Overweight Children and Adolescents: A New Risk Group for Iron Deficiency. *Pediatrics*. 2004;114(1):104-108.

Florin T, Brent R, **Weitzman M**. The Persistence of Lead Poisoning. *Pediatrics*, 2005; 115:1767-1768.

Cook S., **Weitzman M**., Auinger P., Barlow S. Screening and counseling associated with obesity diagnosis in a national survey of ambulatory pediatric visits. *Pediatrics*, 2005;116(1):112-116.

Weitzman M, Cook S, Auinger P, Florin TA, Daniels S, Nguyen M, Winickoff JP. Tobacco smoke exposure is associated with the metabolic syndrome in adolescents. *Circulation*, 2005;112:862-869.

Weitzman M, Matte T, Homa D, Schwartz J, Bellinger D, Savitz D, Lozoff B. Review of Evidence for Effects at Blood Lead Levels <10 ug/dl, in *Preventing Lead Poisoning in Young Children*, CDC, US DHHS, 2005.

DiFranza JR, Sargent JD, **Weitzman M**, Winickoff JP. Tobacco Promotion and the Initiation of Tobacco Use: The Evidence of Cause, *Pediatrics*, 2006; 117:e1237-e1248

Prokhorov A, Lando H, **Weitzman M**. Youth Tobacco Use:A Global Perspective,*Pediatrics*,2006;118:e890-893

Pachter LM, Auinger P, Palmer R, **Weitzman M**. Do parenting practices and maternal depression affect child behavioral problems differently in different racial/ethnic groups? *Pediatrics*, 2006;117;1329-1338

Iida H, Auinger P, Billings R, **Weitzman M.** Infant Breast Feeding is Not Associated with an Increased Risk of Early Childhood Caries, *Pediatrics*, 2007; 120:e944-52

Brotanek J, Gosz J, **Weitzman M**, Flores G. Secular Trends in the Prevalence of Iron Deficiency Among US Toddlers, 1976-2002, *Arch Pediatr Adolesc Med* 2008; 162:374-381

Cutler-Triggs C, Fryer G; Miyoshi T; **Weitzman M**. Increased Rates and Severity of Child and Adult Food Insecurity in Households with Smokers. *Arch Pediatr Adolesc Med* 2008; 162: 1056-62

King K, Martynenko M, Bergman M, Liu Y-H, Winickoff J, **Weitzman M**. Family Composition and Children's Exposure to Smokers. *Pediatrics*, 2009; 123:e 559-564

Kursmark M, **Weitzman M**. Recent Findings Regarding Child and Family Food Insecurity, *Current Opinions in Clinical Nutrition and Metabolic Care*, 2009; 12:310-316

Weitzman M, Kursmark M. Breastfeeding and Childhood Lead.*Journal of Pediatrics* 2009; 155: 610-611

[redacted]

Experience Summary

- Extensive experience conducting and managing financial, economic, environmental, and energy analyses for Department of Housing and Urban Development, Department of Energy, Nuclear Regulatory Commission, Environmental Protection Agency, President's Task Force on Environmental and Safety Risks to Children, and national trade organizations.
- Principle author of several regulatory analyses and other policy studies.

Education

M.M. (Master of Management), Concentrations in Finance, Managerial Economics, and Strategy, J.L. Kellogg Graduate School of Management, Northwestern University

M.A. Economics, Boston University, Accelerated Masters Program

B.A. Economics and Mathematics, Boston University, awarded with Distinction

Professional Experience

Independent Consulting & Research	ICF & National Center for Healthy Housing	2006-present
Project Manager / Vice President	ICF Consulting	1988-2005
Officer, Consulting Department	Mellon Bank Corporation	1984-1987

Academic Journal Publications

Trends in Preschool Lead Exposure, Mental Retardation, and Scholastic Achievement: Association or Causation? Environmental Research, 109 (2009): 301-310

Monetary Benefits of Preventing Childhood Lead Poisoning with Lead-Safe Window Replacement, Environmental Research, 106 (2008): 410-419. With Jacobs, Berg, and Cohen

Understanding International Crime Trends: The Legacy of Preschool Lead Exposure, Environmental Research 104 (2007): 315-336

Windows of Opportunity: Lead Poisoning Prevention, Housing Affordability and Energy Conservation. Housing Policy Debate 17 (2006): 185-207. With Jacobs

Validation of a Twenty-Year Forecast of U.S. Childhood Lead Poisoning: Updated Prospects for 2010. Environmental Research 103 (2006): 352-364. With Jacobs

How Lead Exposure Relates to Temporal Changes in IQ, Violent Crime, and Unwed Pregnancy. Environmental Research 83 (2000): 1–22

More Evidence of Rational Market Values for Home Energy Efficiency, The Appraisal Journal 67 (1999): 454–60. With Gazan and Bender

Evidence of Rational Market Valuations for Home Energy Efficiency, The Appraisal Journal 66 (1998): 401–09. With Watson

Advance Disposal Fees: Good Theory - Bad Policy, Journal of Environmental Finance, 1992. With Berg & Newell

Other Publications, Client Reports, & Presentations

Draft and Final Environmental Impact Statements, Corporate Average Fuel Economy Standards, Passenger Cars and Light Trucks, Model Years 2011-2015. Prepared for National Highway Transportation Safety Administration, June & October 2008

How Trends in Preschool Lead Exposure Explain Subsequent Trends in Crime and Education, Tulane/Xavier Center for Bioenvironmental Research, Annual Symposium on Environmental Signaling in Urban Ecosystems, April 15, 2008

Report on Performance and Costs of Subtitle C Financial Test Alternatives, prepared for EPA Office of Solid Waste, 2007

Regulatory Effectiveness Review of FMCSA Financial Responsibility Regulations, prepared for Federal Motor Carrier Safety Administration, 2006

NRC Financial Assurance Risk and Recent Corporate Bankruptcy Trends, prepared for Nuclear Regulatory Commission, 2006.

Purpose and Need for the Proposed Action (National Enrichment Facility). Prepared to update testimony before NRC Atomic Safety and Licensing Board, 2006

Ranking Criteria and Methods to Target Underserved Populations at Risk of Early Childhood Elevated Blood Lead, prepared for U.S. Environmental Protection Agency, 2006

Purpose and Need - Expert Witness and Rebuttal Testimony, prepared for NRC Atomic Safety and Licensing Board, 2005

Draft Analysis of Funding Options and Mechanisms for Lead Hazard Reduction, prepared for U.S. Environmental Protection Agency, 2004

Financial Effects of Santee Cooper Good Cents Program, prepared to support Expert Witness testimony, 2002

A Better Return than Stocks – with Negative Risk, The Bay State Realtor, July/August 2001

Energy Efficient Healthy Homes: A National Strategy to Increase Home Energy Efficiency and Protect Children's Health through Private Sector Leveraging of Federal Funds. Prepared for HUD Office of Healthy Homes, 2001

Eliminating Childhood Lead Poisoning: A Federal Strategy Targeting Lead Paint Hazards (Appendix). Prepared for President's Task Force on Environmental Health Risks and Safety Risks to Children, 2000

Getting the Lead Out: Focus on the Link between Lead, Environmental Hazards and Delinquency, Office of Juvenile Justice and Delinquency Prevention Conference, 2000

Strategy Implementation for Partnership for Advancing Technology in Housing (PATH) Existing Home Goal (to increase energy efficiency by 30% in existing homes), prepared for HUD Office of Policy Development and Research, 2000

PATH Baseline and Performance Measures, Presentation to National Academy of Sciences Roundtable on PATH, 2000

Economic Assessment of the Final Rule on Lead-Based Paint, prepared for HUD Office of Healthy Homes, 1999

Financing for Existing Home Energy Efficiency Upgrades, prepared for U.S. Environmental Protection Agency, Energy Star Program, 1998

Feasibility of Leasing Programs for Energy Star HVAC Equipment, prepared for U.S. Environmental Protection Agency, 1997

Cost-Benefit Assessment of Proposed Hazardous Waste Identification Rule for Contaminated Media, prepared for U.S. Environmental Protection Agency, 1995

Analysis of Regulatory Scenarios Affecting Metal Scrap Recycling Industries, prepared for the Institute of Scrap Recycling Industries, 1993.

Painless Rapid Deficit Reduction, Generational Journal, 1990

Selected Consulting Project Management Experience

- <u>Corporate Average Fuel Economy (CAFÉ) Environmental Impact Statements</u>. For National Highway Transportation Safety Administration, reviewed Volpe Transportation Center model outputs; prepared analysis and text for Environmental Impact Statement Chapter 2:

Proposed Action and Alternatives; and provided quality review for other chapters and appendices.

- Expert Witness Enrichment Services Market. For Nuclear Regulatory Commission, reviewed Draft Environmental Impact Statement (DEIS) and Environmental Report (ER) on need for a National Enrichment Facility; examined documents cited in ER and DEIS and other data on the enrichment market; prepared written expert witness testimony and rebuttal testimony; and testified in proceedings before Atomic Safety and Licensing Board in New Mexico.
- Energy Efficient Healthy Home Strategy. For HUD Office of Healthy Homes, developed net benefit analysis and implementation strategy for home upgrade that reduced home energy use by 30% and eliminated health hazards especially dangerous to children. Strategy maximized health and economic benefits by targeting low-income households eligible for federal energy and housing assistance. Analysis showed energy efficiency upgrades can reduce home health hazards, with homeowner investments recovered through fuel savings and higher resale value. Public investment could be offset by Medicaid savings, fewer households needing energy assistance, and public value of neighborhood revitalization. Analysis supported background materials for Windows Symposium sponsored by CDC and HUD, bringing together mortgage underwriters and lead hazard reduction, weatherization, and other assisted rehab grantees, plus health and housing policy experts.
- Partnership for Advancing Technology in Housing (PATH). Managed a strategic analysis, organization evaluation, and related research for PATH initiative led by the HUD Office of Policy Development and Research. Issues addressed included development of baseline data for PATH energy efficiency, durability, and safety goals, and measurement criteria to be used in evaluating progress toward implementing PATH strategic plan. Presentation on Baseline and Performance Measures to National Academy of Sciences. Also designed existing home upgrade strategy that leveraged housing rehabilitation and lead hazard reduction grants, EPA and DOE Energy Star programs, and DOE weatherization assistance.
- Federal Strategy for Eliminating Childhood Lead Poisoning. For President's Task Force on Environmental Health Risks and Safety Risks to Children, developed analysis and text for the technical appendix to the Federal Strategy for Eliminating Childhood Lead Poisoning. This analysis combined National Health and Nutrition Examination Survey blood lead data with American Housing Survey, Residential Energy Consumption Survey, and National Lead Paint Survey housing data to forecast number of lead poisoned children and homes with lead paint hazards. Mid-point of that 1990-2010 model forecast has now been validated by CDC blood lead data and HUD's 1998-2000 National Survey of Lead and Allergens in Housing.
- Economic Analysis of Lead Paint Hazard Reduction Rule and Related Crime Research. For HUD Office of Healthy Homes, managed and wrote Economic Analysis of lead paint hazard evaluation and reduction rule. Estimated hazard occurrence frequencies and hazard reduction costs and benefits per housing unit and designed spreadsheet model to calculate costs and benefits by age of housing and HUD program. Sensitivity analysis included original research comparing temporal trends in lead exposure and crime, which led to study in Environmental Research and Office of Juvenile Justice Annual Conference presentation.

[redacted]

EDUCATION

BACHELOR OF SCIENCE, Chemistry, University of Maryland, College Park, 1983

MHS, **Environmental Health Engineering,** Johns Hopkins School of Public Health, 1987

EXPERIENCE

National Center for Healthy Housing, Columbia, Maryland

Project Manager, June 1998 – present

- Serves as project manager for NCHH grant on HUD Healthy Homes Demonstration Project: *Green Rehabilitation of Elder Apartment Treatments (the GREAT study).*
- Serves as project manager for NCHH subgrant on HUD Healthy Homes Demonstration Project: *Highline Communities Healthy Homes Program.*
- Serves as Project Manager for NCHH subgrant on HUD Healthy Homes Technical Study: *Moving into Green Healthy Housing-The Yield in Health Benefits.*
- Serves as project director on a HUD Grant for the green and healthy renovation of a multi-building public housing complex in Washington, DC.
- Working with HUD to revise their HHI background document on residential assessment and help prepare a new background document on green building. Provided technical support to HUD's Healthy Homes Initiative (HHI), working with another contractor to develop measurable strategic objectives and performance measures for HHI's long-term strategic plans.
- Oversaw the work of multidisciplinary project team on a 3-year project to examine the impact of green housing rehabilitation on occupant health in 3 apartment buildings in the rural community of Worthington, MN. Developed products and tools to support the study; oversaw delivery of training and education to residents and the longitudinal evaluation of how building green and healthy affects the health status of adults and children who reside in homes that have recently been renovated to green and healthy standards.
- Managed and provided technical expertise on two Healthy Homes research studies, one in Providence, RI, and one in Milwaukee, WI, evaluating the impact of housing rehabilitation on allergens and lead and health of residents. Managed project schedule and budget, coordinated study team, developed study protocols, trained personnel in study data collection procedures, performed quality assurance checks on collected data, developed templates to notify residents and owners of environmental sampling results.
- Served as project manager and technical advisor on radon education program. Developed a radon training module as part of the National Healthy Homes Training Center Practitioner's Course, developed a radon contractor course, oversaw the delivery of radon training to health and housing practitioners and contractors, oversaw preparation of report documenting lessons learned from these training courses.
- Managed lead-safe weatherization study for the Department of Energy, evaluating the potential impact of weatherization work on dust lead loadings in pre-1950 homes. Developed

study protocols, trained field and other study team personnel, oversaw enrollment and monitored data collection in three states, prepared meeting materials and final study report.

- Developed intervention protocols for a project to identify ways to prevent childhood lead exposure (primary prevention) through a randomized control trial that will eliminate lead-based paint hazards in housing into which children are born, as part of a larger study funded by the National Institute of Environmental Health Sciences (NIEHS).
- Prepared study protocols and reports for studies of fire escape lead hazards and of dust settling patterns during wet scraping of window trim in NY city dwellings.
- Performed quality assurance data review and co-authored a report for a study to evaluate the efficacy of lead hazard risk reduction measures prescribed in Maryland's lead law.

Dames & Moore, Linthicum, Maryland

- **Project Industrial Hygienist**, July 1991 – May 1998

- Prepared and oversaw implementation of site-specific hazardous waste site health and safety plans for over 100 sites and facilities.
- Performed QA/QC reviews of data for risk assessments, feasibility studies, and RCRA investigations. Technical reviewer for research reports.
- Performed industrial hygiene surveys and Phase I environmental site assessments.
- Developed and presented hazardous waste operations training courses, including 8-hour annual refresher, and 8-hour supervisor.

EA Engineering, Science, and Technology, Sparks, Maryland
Industrial Hygienist, April 1989 – May 1991

- Managed EA's corporate health and safety program.
- Developed and presented hazardous waste operations training courses, including 40-hour initial, 8-hour annual refresher, and 8-hour supervisor.

ICF, Fairfax, Virginia
Risk Assessment Scientist, September 1986 – April 1989

- Developed baseline risk assessments for hazardous waste sites. Performed industrial hygiene surveys and Phase I environmental site assessments.
- Authored chapter on data review and validation in EPA guidance for conducting risk assessments at hazardous waste sites.

Martin Marietta Environmental Systems, Columbia, Maryland
Laboratory Scientist, June 1983- August 1985

- Served as laboratory scientist, primarily for organic analyses.

PROFESSIONAL AFFILIATIONS:

- Member, American Academy of Industrial Hygienists, Certified Industrial Hygienist, 1993, Certification No. 5882
- Member, American Conference of Governmental Industrial Hygienists

PUBLICATIONS/PRESENTATIONS

- Dixon, S., Wilson, J., Kawecki, C., Green, R., Phoenix, J., Galke, W., Clark, S., and Breysse, J. (2008) "Selecting a Lead Hazard Control Strategy Based on Dust Lead Loading and Housing Condition: I: Methods and Results." J. Occup. and Environ. Hygiene, 5:8, pgs 530-539
- Breysse, J., Dixon, S., Wilson, J., Kawecki, C., Green, R., Phoenix, J., Galke, W., and Clark, S. (2008) "Selecting a Lead Hazard Control Strategy Based on Dust Lead Loading and Housing Condition: II. Application of Housing Assessment Tool (HAT) Modeling Results." J. Occup. and Environ. Hygiene, 5:8, pgs 540-545.
- "How Healthy are National Green Building Programs?" Presented at the 2008 National Healthy Homes Conference, Baltimore, MD, September, 2008.
- "The Public Health Impact of Greening Affordable Housing," Presented at the 2008 National Healthy Homes Conference, Baltimore MD, September, 2008.
- Breysse, J., Anderson, J., Dixon, S., Galke, W., Wilson, J. (2007) "Immediate and One-Year Post-Intervention Effectiveness of Maryland's Lead Law Treatments." Environmental Research, 105:2, pgs 267-275, October 2007.
- "A Randomized Longitudinal Control Study of Allergen Levels in Homes of Children with Asthma," with Breysse, J., Wendt, J., Dixon, S., Murphy, A., Wilson, J., Meurer, J., and Cohn, J. Presented at the 2006 International Society for Environmental Epidemiology/International Society for Exposure Analysis (ISEE/ISEA) Conference, Paris, France, September 2006.
- Galke, W., Clark, S., McLaine, P., Bornschein, R., Wilson, J.W., Succop, P., Roda, S., Breysse, J., Jacobs, D. Grote, J., Menrath, W. Dixon, S., Chen, M. Buncher, R. (2005) "National evaluation of the US Department of Housing and Urban Development lead-based paint hazard control grant program: study methods." Journal of Environmental Research, December 2004.
- "Assessment of the Ability of HUD's Paint Film Classification System to Predict Floor Dust Lead Loading," with Dixon, S., Galke, W., Wilson, J., and McLaine, P. Final Program: American Industrial Hygiene Conference and Exposition, June 2002, San Diego, A.
- "Comparison of Composite and Single Surface Dust Lead Loading Results in a Study to Evaluate the Efficacy of Maryland's Prescribed Lead Hazard Reduction Treatments," with Anderson, J., Breysse, J., Galke, W., and Wilson, J., Final Program (Abstracts): American Public Health Association 129th Annual Meeting & Exposition, November 2000, Boston, MA. American Public Health Association, Washington, DC. Page 122.
- "Evaluation of the Efficacy of Maryland's Required Independent Visual Inspections to Determine Completeness of Prescribed Lead Hazard Reduction Treatments," with Anderson, J., Breysse, J., Galke, W., and Wilson, J., Final Program (Abstracts): American Public Health Association 129th Annual Meeting & Exposition, November 2000, Boston, MA. American Public Health Association, Washington, DC. Page 554.
- Breysse, P.N., and J.V. Breysse, "Laboratory Quality Assurance and the Data User," Environmental Management Review, No. 15 (1990).
- Vollmerhausen, J., and B. Turnham, "Review and Evaluation of the Chemical Concentration Data for Use in Superfund Public Health Evaluations," Proceedings of the HMCRI Hazardous Waste and Hazardous Materials Conference (April 1988).

OMB Approval No. 2501-001

Grant Application Detailed Budget Worksheet

(Exp. 03/31/2011)

Name and Address of Applicant:	Board of Trustees of the University of Illinois
	MB 502, M/C 551
CLEAR WIN: An Evaluation of Lead Education and Window Replacement in Illinois	809 S. Marshfield Avenue
	Chicago, IL 60612-7205

Public reporting burden for this collection of information is estimated to average 3 hours 12 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This agency may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number. Information collected will provide proposed budget data for multiple programs. HUD will use this information in the selection of applicants. Response to this request for information is required in order to receive the benefits to be derived. The information requested does not lend itself to confidentiality.

Category **Detailed Description of Budget (for full grant period)**

1. Personnel (Direct Labor)	**Estimated Hours**	**Rate per Hour**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Position or Individual											
[redacted] 36 mos	0	$0.00	$0	$0							
[redacted] 36 mos	1,248	$39.42	$50,688	$50,688							
TBN Master's level student 24 mos	1,040	$18.31	$19,905	$19,905							
TBN Master's level student 24 mos	1,040	$18.31	$19,905	$19,905							
Total Direct Labor Cost			$90,498	$90,498							

2. Fringe Benefits	**Rate (%)**	**Base**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
[redacted]	34.68%	$0	$0	$0							
[redacted]	34.68%	$50,688	$17,578	$17,578							
TBN Master's level student	2.42%	$19,905	$482	$482							
TBN Master's level student	2.42%	$19,905	$482	$482							
Total Fringe Benefits Cost			$18,542	$18,542							

3. Travel

3a. Transportation - Local Private Vehicle	**Mileage**	**Rate per Mile**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Peoria travel for study team	2600	$0.500	$1,300	$1,300							
Subtotal - Trans - Local Private Vehicle			$1,300	$1,300							

Grant Application Detailed Budget Worksheet

Detailed Description of Budget

3b. Transportation - Airfare (show destination)	**Trips**	**Fare**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
1 staff to DC 3 trips	3	$350.00	$1,050	$1,050							
(PI travel to HUD DC is local - see NCHH budget for details)											
Subtotal - Transportation - Airfare			$1,050	$1,050							
3c. Transportation - Other	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Taxi (1 staff 3 trips)	6	$50.00	$300	$300							
(PI travel to DC is local - see NCHH budget for details)											
Local Chicago travel for study team	1	$4,860	$4,860	$4,860							
	0	$0	$0	$0							
Subtotal - Transportation - Other			$5,160	$5,160							
3d. Per Diem or Subsistence (indicate location)	**Days**	**Rate per Day**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Per Diem: 1 staff to DCx3 trips	7	$32.00	$224	$224							
Lodging: 1 staff to DCx3 trips	7	$200.00	$1,400	$1,400							
(PI travel to DC is local - see NCHH budget for details)											
Lodging (Peoria): 1 satff in Yr1; 3 staff in Yrs 2-	30	$70.00	$2,100	$2,100							
Subtotal - Per Diem or Subsistence			$3,724	$3,724							
Total Travel Cost			$11,234	$11,234							
4. Equipment (Only items over $5,000 Depreciated value)	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
			$0								
Total Equipment Cost			$0								

Grant Application Detailed Budget Worksheet

Detailed Description of Budget

5. Supplies and Materials (Items under $5,000 Depreciated Value)

5a. Consumable Supplies	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Miscellaneous supplies	1	$3,636	$3,636	$3,636							
Subtotal - Consumable Supplies			$3,636	$3,636							

5b. Non-Consumable Materials	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Non-Consumable Materials											
Total Supplies and Materials Cost			$3,636	$3,636							

6. Consultants (Type)	**Days**	**Rate per Day**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
	0	$0.00	$0	$0							
Total Consultants Cost			$0	$0							

7. Contracts and Sub-Grantees (List individually)	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
			$0	$0							
NCHH	1	$265,462	$265,462	$265,462							
	0	$0.00	$0	$0							
Total Subcontracts Cost			$265,462	$265,462							

Grant Application Detailed Budget Worksheet

Detailed Description of Budget

8. Construction Costs

8a. Administrative and legal expenses	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Administrative and legal expenses											
8b. Land, structures, rights-of way, appraisal, etc	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Land, structures, rights-of way, …											
8c. Relocation expenses and payments	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Relocation expenses and payments											
8d. Architectural and engineering fees	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Architectural and engineering fees											
8e. Other architectural and engineering fees	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Other architectural and engineering fees											

Grant Application Detailed Budget Worksheet

8f. Project inspection fees	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Project inspection fees											
8g. Site work	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Site work											
8h. Demolition and removal	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Demolition and removal											
8i. Construction	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Construction											
8j. Equipment	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Equipment											
8k. Contingencies	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Contingencies											
8l. Miscellaneous	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
IDPH leverage	1	$5,000,000	**$5,000,000**					$5,000,000			
CNT leverage	1	**$450,000**	**$375,000**							375,000	
Subtotal - Miscellaneous											
Total Construction Costs											

Grant Application Detailed Budget Worksheet

9. Other Direct Costs	Quantity	Unit Cost	Estimated Cost	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Item											
Tuition Remission (RA salary x 42%)	$19,905	42%	$8,360	$8,360							
Tuition Remission (RA salary x 42%)	$19,905	42%	$8,360	$8,360							
Fedex/UPS shipping of samples to lab	25	$30.00	$750	$750							
			$0	$0							
			$0	$0							
			$0	$0							
				$0							
Gift cards to participants (100 homes x 2 visits)	100	$50.00	$5,000	$5,000							
Total Other Direct Costs			$22,471	$22,471							
Subtotal of Direct Costs			$411,843	$411,843							

10. Indirect Costs	Rate	Base	Estimated Cost	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Type											
Modified Total Direct Costs **MTDC**	57.00%	$154,660	$88,156	$88,156							
Total Indirect Costs			$88,156	$88,156							
Total Estimated Costs			$499,999	$499,999				$5,000,000		375,000	

Grant Application Detailed Budget Worksheet

Detailed Description of Budget				
Analysis of Total Estimated Costs			Estimated Cost	Percent of Total
1	Personnel (Direct Labor)		$90,498.41	**18.1%**
2	Fringe Benefits		$18,541.90	**3.7%**
3	Travel		$11,234.00	**2.2%**
4	Equipment		$0.00	**0.0%**
5	Supplies and Materials		$3,636.00	**0.7%**
6	Consultants		$0.00	**0.0%**
7	Contracts and Sub-Grantees		$265,462.04	**53.1%**
8	Construction		$0.00	**0.0%**
9	Other Direct Costs		$22,470.51	**4.5%**
10	Indirect Costs		$88,156.38	**17.6%**
	Total:		$499,999.23	
	Federal Share:		$499,999.23	
	Match (Expressed as a percentage of the Federal Share):		$0.00	
			$0.00	

form **HUD-424-CBW** (2/2003)

OMB Approval No. 2501-0017

Grant Application Detailed Budget Worksheet

(Exp. 03/31/2011)

Name and Address of Applicant: National Center for Healthy Housing, 10320 Little Patuxent Pkwy Suite 500, Columbia, MD 21044

CLEAR WIN: An Evaluation of Lead Education and Window Replacement in Illinois

Category — **Detailed Description of Budget (for full grant period)**

1. Personnel (Direct Labor)	**Estimated Hours**	**Rate per Hour**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Position or Individual											
[redacted] 0.13	824	$61.69	$50,833	$50,833							
0.08	475	$57.02	$27,085	$27,085							
0.05	300	$56.87	$17,061	$17,061							
				$0							
				$0							
Total Direct Labor Cost			$94,978	$94,978							

2. Fringe Benefits	**Rate (%)**	**Base**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
[redacted]	38.70%	$50,833	$19,672	$19,672							
	38.70%	$27,085	$10,482	$10,482							
	38.70%	$17,061	$6,603	$6,603							
Total Fringe Benefits Cost			$36,757	$36,757							

3. Travel

3a. Transportation - Local Private Vehicle	**Mileage**	**Rate per Mile**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Jacobs to Airport and to HUD	1000	$0.500	$500	$500							

Subtotal - Trans - Local Private Vehicle			$500	$500								

Grant Application Detailed Budget Worksheet

Detailed Description of Budget

3b. Transportation - Airfare (show destination)	Trips	Fare	Estimated Cost	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Jacobs to Chicago	16	$350.00	$5,600	$5,600							
Subtotal - Transportation - Airfare			$5,600	$5,600							

3c. Transportation - Other	Quantity	Unit Cost	Estimated Cost	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
	0	$0.00	$0	$0							
Subtotal - Transportation - Other			$0	$0							

3d. Per Diem or Subsistence (indicate location)	Days	Rate per Day	Estimated Cost	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Chicago	40	$200.00	$8,000	$8,000							
	0	$0.00	$0	$0							
Subtotal - Per Diem or Subsistence			$8,000	$8,000							
Total Travel Cost			$14,100	$14,100							

4. Equipment (Only items over $5,000 Depreciated value)	Quantity	Unit Cost	Estimated Cost	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Total Equipment Cost											

Grant Application Detailed Budget Worksheet

Detailed Description of Budget

5. Supplies and Materials (Items under $5,000 Depreciated Value)

5a. Consumable Supplies	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Lab Costs (100 housesx3roomsx3 samples/roo	2000	$7.00	$14,000	$14,000							
Subtotal - Consumable Supplies			$14,000	$14,000							

5b. Non-Consumable Materials	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Non-Consumable Materials											
Total Supplies and Materials Cost			$14,000	$14,000							

6. Consultants (Type)	**Days**	**Rate per Day**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
	0	$0.00	$0	$0							
Total Consultants Cost			$0	$0							

7. Contracts and Sub-Grantees (List individually)	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
TBD- Computer Survey Programmer	1	$5,000	$5,000	$5,000							
(i.e., Quantech)	0	$0	$0	$0							
NYU - Data transfer support	1	$3,000	$3,000	$3,000							

Healthy Housing Solutions - Economist	1	$12,000	$12,000	$12,000							
Total Subcontracts Cost			$20,000	$20,000							

Grant Application Detailed Budget Worksheet

Detailed Description of Budget

8. Construction Costs

8a. Administrative and legal expenses	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Administrative and legal expenses											

8b. Land, structures, rights-of way, appraisal, etc	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Land, structures, rights-of way, …											

8c. Relocation expenses and payments	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Relocation expenses and payments											

8d. Architectural and engineering fees	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Architectural and engineering fees											

8e. Other architectural and engineering fees	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income

Subtotal - Other architectural and engineering fees											

Grant Application Detailed Budget Worksheet

8f. Project inspection fees	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Project inspection fees											
8g. Site work	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Site work											
8h. Demolition and removal	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Demolition and removal											
8i. Construction	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Construction											
8j. Equipment	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Equipment											
8k. Contingencies	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Subtotal - Contingencies											
8l. Miscellaneous	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income

	Quantity	Unit Cost	Estimated Cost	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
	0	$0	**$0**					$0			
Subtotal - Miscellaneous											
Total Construction Costs											

Grant Application Detailed Budget Worksheet

9. Other Direct Costs	**Quantity**	**Unit Cost**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Item											
Total Other Direct Costs			$0	$0							
Subtotal of Direct Costs			$179,835	$179,835							

10. Indirect Costs	**Rate**	**Base**	**Estimated Cost**	HUD Share	Applicant Match	Other HUD Funds	Other Federal Share	State Share	Local/Tribal Share	Other	Program Income
Type											
Indirect Cost	65.00%	$131,735	$85,627	$85,627							
Total Indirect Costs			$85,627	$85,627							
Total Estimated Costs			$265,462	$265,462							

University of Illinois CLEAR WIN
Budget Justification

Personnel Costs ($90,498)
Salaries are requested for investigators and staff. Because this is a multi-year project, inflationary increases have been added to personnel costs on an annual basis. This grant proposal has a 3-year period of performance.

[redacted]***Principal Investigator*** (**Effort = 824 hours over 3 calendar years, 13%) Note: The PI for this project is an unpaid UIC adjunct associate professor and will be paid through a subgrant to the National Center for Healthy Housing (NCHH) (see NCHH budget detail below). His hours do not appear on the UIC budget, but on the subgrantee budget for NCHH**
Dr. Jacobs is responsible for overall technical execution of the study and coordination of the expertise from the Co-PIs. He is responsible for determining the best methods to use to evaluate the state CLEAR-WIN program, a state-financed bond program to replace old windows likely to have high dust lead and paint lead levels, in order to prevent childhood lead poisoning. The PI is a recognized international leader and authority on the connection between housing and health. He has worked with the World Health Organization to estimate the global burden of disease related to inadequate housing and wrote the report to Congress launching the Healthy Homes Initiative of the U.S. Department of Housing and Urban Development in 1999. He also wrote the report on childhood lead poisoning for the President's Task Force in 2000 and the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. He is the director of research at the National Center for Healthy Housing and is the former director of the Office of Healthy Homes and Lead Hazard Control at the U.S. Department of Housing and Urban Development in Washington DC.

[redacted]**(Effort = 1,248 hours over 3 calendar years, 20%)**
Mr. Cali is responsible for project management and coordination of student work on the project and will serve as the contact point at UIC for the funding agency (HUD). He has experience in environmental science and has worked on a HUD-funded housing and health study addressing lead exposures from housing demolition.

Research Assistants (RA) – To Be Named **(Effort = 1,040 hours or 25% each over 2 calendar years)** Two research assistants (to be named) will be responsible for collecting data in 50 homes at two time points in the Chicago area, entering data and coordinating enrollment and environmental and administering a health questionnaire to households in the study and participating in data analysis and report writing.

Fringe Benefits ($18,542)
The fringe benefit rate for University of Illinois at Chicago (UIC) faculty and staff are calculated at 34.68%, and for research assistance at 2.42%.

Travel <u>($11,234)</u>
Inside Illinois ($8,260): Local travel to and from the study homes in Chicago, plus 10 trips to Peoria for training purposes for the site personnel there are estimated at $6,160 in transportation costs, and $2,100 in lodging costs in Peoria.

Travel to HUD (Washington, DC) ($2,974): Funds are budgeted for 1 UIC staff to travel to HUD Headquarters in Washington, DC in each year of the grant as required in the NOFA. Per trip estimates are based on round-trip airfare ($350); lodging at $200/night; per diem at $32/day; and taxi/ground transportation at $100. *Note: The PI's travel budget, which includes trips to HUD headquarters, are covered in the NCHH budget*.

Supplies ($3,636)
Funds are requested for consumable office supplies such as diskettes, paper, folders, and pens which are 100 percent allocable for the research project only.

Subcontractors
<u>National Center For Healthy Housing) ($265,462)</u>
The National Center for Healthy Housing is responsible for salary payment to the PI, statistical analysis, economic analysis, and data quality management. (See below for additional details.)

No facilities and administrative costs are requested for subcontract monies over $25,000.

Other Expenses ($5,750)
Residents will be provided with $25 gift certificates on two occasions each in order to compensate them for their time for participating in the study. One hundred households (50 in Chicago and 50 in Peoria) are expected to participate ($25 x 2 visits x 100 = $5,000).

Shipping of samples to labs for analysis via Federal Express/UPS are budgeted at $750.

Tuition remission <u>($16,721)</u>
Tuition remission is a direct cost of grants (July 2000). The rate of 42% has been applied and is calculated based on a research assistant's salary and wages. This is a negotiated rate with the Office of Naval Research (ONR). *No facilities and administrative costs are requested for tuition remission.*

Facilities and Administration Costs ($88,156)
The negotiated facilities and administration costs for the University of Illinois at Chicago are 57% of modified total direct costs for on-campus activities as agreed with the Office of Naval Research dated July 1, 2010 (provisional rate agreement).

Total UIC Costs Request from HUD $499,999

<u>National Center for Healthy Housing (NCHH) Sub-Budget Detail</u>

1. Personnel

As vacancies have occurred or new jobs are created, NCHH has used available market data to determine the appropriate salary ranges. NCHH reviews performance annually and pay increases are tied to those performance reviews. This application assumes a 3% increase for all staff during the 36-month project period. Each employee is required to submit a timesheet twice a month that coincides with the pay period. The employees' time is allocated to each chargeable and nonchargeable project, vacation, holidays, sick and personal time. The bimonthly salary is allocated to each project according to the number of hours charged to that project in that pay period. Only the direct hours cost associated with a project are charged to that project. NCHH derives hourly rates by dividing an individual's annual salary by the number of hours that he or she works. The base rate is then multiplied by NCHH's fringe and indirect cost rates.

Total NCHH personnel costs **$94,978**

2. Fringe

NCHH's indirect cost rate is 38.7%. This is applied to salaries and wages.

Total fringe costs **$36,757**

3. Travel

3a. Transportation - Local Private Vehicle

We have budgeted 10 trips by NCHH's Dr. David Jacobs to Chicago and to HUD Headquarters, including parking. We have used a mileage rate of .50.

SubTotal: $500

3b. Transportation- Airfare

We have budgeted that each of 16 flights will cost $350 round-trip.

SubTotal: $5,600

3d. Per Diem or Subsistence

We have included hotel, meals and incidentals at the federal per diem rate, escalated 4% for inflation.

SubTotal: $8,000

Total Travel: **$14,100**

5a. Consumable Supplies

We anticipate paying for laboratory analysis of 2,000 dust wipe samples (100 houses x 3 rooms x 3 surfaces/room x 2 visits + 200 quality control samples = 2000 samples x $7/sample = 14,000.

Total Supplies and Materials **$14,000**

7. Contracts and Sub-grantees

NCHH will pay a computer programmer to place the health questionnaire on laptop computers to be used by the student data collectors. Programmer cost = $5,000.

NCHH will pay New York University $3,000 for the services of Dr. Michael Weitzman, who is PI on a study in New York that will serve as a comparison group for the Illinois cohort in this proposed study. Finally, NCHH will use an economist to estimate costs and benefits of window replacement, estimated at $12,000.

Total Contracts and Sub-Grantees **$20,000**

10. Indirect Costs Rate

NCHH's indirect cost rate is 65.0%. The indirect cost rate is applied only to salaries and wages.

Total NCHH Indirect Costs **$85,627**

Total NCHH Costs: **$265,462**

IT IS RECOMMENDED THAT YOU PRINT THESE INSTRUCTIONS BEFORE CONTINUING. DO NOT MODIFY THE ELOGIC MODEL® TEMPLATE. DO NOT CUT AND PASTE INTO THE ELOGIC MODEL® TEMPLATE.
When opening the eLogic Model®, you will be asked if you want to enable "Macros"; click Yes. The eLogic Model® uses a Microsoft Excel®

platform. **"**Macros" are a form of programming used in Excel® to enable additional functionality. You will need to "enable" the "Macros" to use all functions on your eLogic Model®. To enable the macros to function, you will have to adjust the security settings on your computer.

Testing to See If the Macros are Working.

If you do not see this dialog box when you first open your eLogic Model®, then check to see if the Macros are working by opening the eLogic Model®, and going to the Tab labeled Year 1. Click on the gray area of the column labeled, "Needs." If the column expands, your Macro settings are working. To expand and return the cell to its original size, click once. Do not double click.

Depending on your version of Excel®, there are several steps you must take in order to use all the functions in your eLogic Model®. The description below provides information for the four most common versions of Excel® in use today, one of which is probably installed on your computer. If you are working in a network, and you cannot control your desktop settings, contact your system administrator for support.

SECURITY AND THE USE OF MACROS
You will need to "enable" the Macros to use all functions on your eLogic Model®. After creating and saving your your eLogic Model®, you may reset your security levels to their original settings.

Excel® 2007 - You can change macro security settings in the Trust Center, unless a system administrator in your organization has prevented you from changing the settings.

On the Developer tab, in the Code group:

- Click Macro Security.

Tip: If the Developer tab is not displayed, click the Microsoft Office Button (top left of your Excel®), click Excel® Options, and then in the Popular category under Top options for working with Excel®, click Show Developer tab in the Ribbon.
In the Macro Settings category, under Macro Settings, click the option that you want. **Note:** Any changes that you make in the Macro Settings category in Excel® apply only to Excel® and do not affect any other Microsoft Office program.

Tip: You can also access the Trust Center in the Excel® Options dialog box.

- Click the Microsoft Office Button, and then click Excel® Options in the Trust Center category.

- Click Trust Center Settings, and then click the Macro Settings category.

- If your settings are set to "Disable all macros with notification", when you open your Excel®, you will see a Security Warning stating "Macros have been disabled" and Options button to the left (this button is located under the toolbars).

If you do not change the Macro security settings, you will have to enable the Macros each time you open the Excel®.

Excel® 2003 - There are four levels of security regarding the use of Macros: Very High, High, Medium, and Low. If upon opening the eLogic Model® the dialog box states that you must change your Security setting to enable Macros, your security settings are either set to Very High or High and you must take the following steps:

- Go to the toolbar at the top of the screen and click on "Tools."

- Then click "Options" and then click the tab labeled "Security" located on the top right of the window.

⅄ At the bottom right of the window, click the button that says "Macro Security" and select Medium as your setting.

⅄ Click "OK" and then click "OK" in the Options window.

⅄ Close your eLogic Model®. Re-open your eLogic Model®. You will now receive a dialog box with the message "Security Warning."

⅄ Click on the button at the bottom that says "Enable Macros." Your eLogic Model® will open and be fully functional.

If upon opening the eLogic Model® the dialog box gives you an option to enable "Macros" at that moment, it means that Security is set to Medium. All you need to do is to click the button at the bottom of the dialog box that says, "Enable Macros." Your eLogic Model® will open and be fully functional.

If upon opening the eLogic Model® there is no dialog box, your Security setting is set on "Low" and your Macros are already enabled. No additional step is needed.

Excel® 2000 - There are three levels of security regarding the use of Macros: High, Medium, and Low. The High security setting automatically disables most Macros and does not alert you to the action. If when entering Services/Activities in Column 3, or Outcomes in Column 5, you select "other", the word "other" appears and remains in the cell, the Macro is not functioning. Save and close changes you have made thus far.

⅄ From the menu, select "Tools," "Macro", "Security". A dialog box will open.

⅄ Click on the "Security" TAB and select "Medium,"

⅄ Click "OK." Reopen your eLogic Model®. A dialog box will open. Select "Enable Macros." Your eLogic Model® will open and be fully functional.

If your copy of Excel® is already set to "Medium" security, the enable Macros dialog box will appear and you can proceed as above.

The low security setting automatically enables all Macros and you will not receive any message. The eLogic Model® will open and be fully functional.

Excel® 1997 - If you are using this version of Excel® and need assistance, please contact HUD's NOFA Information Center for assistance at (800) HUD-8929 week days during their operating hours of 10:00 a.m. to 6:30 p.m. eastern time, Monday to Friday, except federal holidays. The NOFA Information Center cannot provide you additional help right before a deadline date. Please take into account their operating hours and allow at least 72 hours for the NOFA Information Center to be able to get you additional help.

Additional Support
If after trying the instructions for your version of Excel® and need additional assistance, please contact the NOFA Information Center at (800) HUD-8929.

Persons with hearing or speech impairments may access this number via TTY by calling the Federal Information Relay Service at (800) 877-8339. The NOFA Information Center is open between the hours of 10 a.m. and 6:30 p.m. eastern Ttme, Monday through Friday, except federal holidays.

Check that You Have the Correct eLogic Model® for your Program.
The eLogic Model® is found in the Instructions Download for the application package posted to the Grants.gov website. Before you begin completing your eLogic Model®, check the name of the program and the fiscal year that is populated on the eLogic Model®. If it contains a program name different from the program application, or does not have 2010 in the Fiscal Year data field, you have opened the wrong eLogic Model®. To correct, go back to the website and look for the program you want to apply for and download the proper eLogic Model®. **New**

Features in the 2010 eLogic Model®
The 2010 eLogic Model® has new features and functions compared to the 2009 eLogic Model that are described below:

Coversheet

A **Coversheet** Tab has been added to collect additional data regarding the applicant and place of performance. This additional data allows **HUD** to better match the **eLogic Model®** that is submitted with the application and with the eLogic Model® that has been negotiated, and reports that are submitted as As required over theperformance period fo the award. The **Coversheet** now provides for a Logic Model Amendment Number. Program **eLogic Models®** are initially created for a three year period since it is difficult to project outputs and outcomes going beyond three years. The use of a Logic Model Amendment Number allows **HUD** to issue an amended **eLogic Model®** for programs longer than three years duration.

This Logic Model Amendment Number field will also allow HUD to review and approve amendments to the eLogic Models® where **due to circumstances in the community**, the original projects need to be modified. The modifications are not to be granted simply because an agency is not meeting its proposed goals, but rather to take into account extraordinary circumstances in a community that requires **HUD** to consider an amendment to the original **eLogic Model®** to accommodate changing needs. The amendment will also allow **HUD** to amend the eLogic Model to cover an additional one year where a 12 month extension has been granted on an award.

CCR Doing Business As (DBA) Field
When entering the applicant organization profile in the **Central Contractor Registration (CCR)**, organizations may have a **legal name** and a

"Doing Business As" (DBA) Name. Sometimes the **Legal Name** in the CCR represents that part of a large organization which is responsible for paying the federal taxes for all divisions or organizations within its structure. This may be the case with large universities or state or local governments. This may happen because the Doing Business As Name can be used to distinguish sub-organizations of the entity at different locations, e.g. Departments of a State or local government or university campuses. To ensure that we accurately reflect the organization or sub-organization of the legal entity that will be receiving the **HUD** funds, a field has been added to capture the CCR Doing Business As Name and **DUNS** Number.

Mandatory Fields
There are seven**"mandatory**" fields in your eLogic Model®**: "Applicant Legal Name", "DUNS Number", and "Project Name", "Grantee Contact Name", "Grantee Contact email", "Logic Model Contact Name", "Logic Model Contact email".** You must enter the required data in these fields as they are recorded in the CCR for the **eLogic Model®** to be complete. Before closing and saving your **eLogic Model®,** click the button at the top left of the worksheet (Tab Coversheet) that says **"Check Errors".** If you did not complete any of the **"mandatory"** fields, a message box will appear telling you what field(s) was not completed and the field will be highlighted in yellow. If you attempt to close your **eLogic Model®** without completing the **"Applicant Legal Name"** and/or the **DUNS** Number, you will receive a dialog box that reminds you that the required data has not been entered. Click **"OK"** and the cursor will go to the required field and allow you to enter the required data. The final dialog box will ask you if you want to save your data. If you want to save the data, click "**Yes"** as you would do with any Microsoft Excel® workbook. **If you click "No", the file will close and your data will not be saved.** Please remember when saving your **eLogic Model®** that **file names** must not contain any special characters or spaces which could be **"read"** as viruses File names must be no more than fifty characters including any path information in the file name. See the **FY2010 General Section** for complete details.

The eLogic Model® Workbook
The eLogic Model® workbook has 12 separate worksheets and each worksheet is identified by a Tab at the bottom of the page. If you cannot see all the Tabs, be sure to maximize your workbook by clicking the middle button in the top right corner of the workbook to expand your window or move your bottom scroll bar so all the Tabs appear.
The 12 Worksheets/Tabs are:

- Instructions
- Coversheet
- Year1
- Year2
- Year3
- Total
- GoalsPriorities
- Needs
- Services
- Outcomes
- Tools
- Reporting

Instructions for Completing the Cover Sheet

NOTE: The "**Fiscal Year**" does not appear on the Cover Sheet but in the Tabs for each year of the project, See description under,

"**INSTRUCTIONS FOR COMPLETING THE Year 1, Year 2 Year 3 and Total Tabs in the eLogic Model®."**

Program Information

"HUD Program Name" and "**Program CFDA #"** located on Rows 11 and 12 respectively are pre-populated.

"Program Component" is located on Row 13 to 19. If the program under which you are applying has components, e.g., **EOI** or **PEI** under the **Fair Housing Initiatives Program** click on the component field. A drop down menu will appear. Select as many component that you are applying under. If you are permitted by the **NOFA** to apply for funding under more than one program component, using the drop down select as many as needed in the fields provided. If there are no components in the funding opportunity for which you are seeking funding, skip this field. Once you have entered your **"Program Component"** in the **"Cover Sheet",** worksheets **Year1**, **Year2**, **Year3**, and **Total** will automatically populate the same information.

Grantee Information

"**Applicant Legal Name**" is located on Row 21 and is a **mandatory field**. Enter the **legal name**as entered in the Central Contractor Registration and which matches the applicant **Legal Name** entered in **Box 8a** in the **SF-424** in your application. Once you have entered your **"Applicant Legal Name"** in the **"Coversheet"**, **worksheets**, **Year1**, **Year2**, **Year3**, and **Total worksheets** will automatically populate the same information.

"**CCR Doing Business As Name**" is located on Row 22, is new for 2010. . Only complete this field if your **Central Contractor Registration** includes an entry in **Doing Business As (DBA).** Enter the name as it appears in CCR. Once you have entered **your "CCR Doing Business As Name"** in the **"Cover Sheet"**, worksheets, **Year1**, **Year2**, **Year3**, and **Total** worksheets will automatically populate the same information.

"**DUNS Number**" is located on Row 23 and is a **mandatory field**. Enter the **DUNS #** exactly as it appears in **box 8c** of the **SF-424** and as registered with the **Central Contractor Registration**. The **DUNS** number entered must be for the organization that is entered in **box 8a** of the **SF-424**, Application for **Federal Assistance**. Your **DUNS** number is a nine digit number or a nine digit plus four digit number. Some applicants will use a nine digit plus four digit **DUNS** number. If you do, then insert the four digits in the field provided. If you do not use a **DUNS** plus four #, leave the four digit field blank. Make sure you enter the **DUNS** number accurately. Once you have entered your "**DUNS** Number" in the **"Cover Sheet",** worksheets **Year1**, **Year2**, **Year3**, and **Total** worksheets will automatically populate the same information

"**City**" is located on Row 24. Enter the City where your organization is located. This information must match the applicant address data in your application SF424. .

"**State**" is located on Row 25 Use the dropdown to enter the State where your organization is located, this information must match the **SF-424** data in your application.

"**Zip Code**" is located on Row 26. Enter the same nine-digit zip code used for the applicant address in your SF424.

"**Grantee Contact Name**" and "**Grantee Contact email**" are located on Rows 27 and 28 respectively. Enter the Grantee Contact Name and email address in the fields provided.

"**Logic Model Contact Name**" and "**Logic Model Contact email**" are located on Rows 28 and 29 respectively. Enter the name of the person that completed the **eLogic Model®** and their **email address** in the field provided or the name and email of a person to contact who can address questions concerning the eLogic Model submitted with the application and, if you are selected for an award, **eLogic Model reporting®.**

Project Information

"**Project Name**" is located on Row 32 and is a **mandatory field**. Enter the name of your project in the field provided. Use exactly the same name as you did on box 15 of the form SF424. If you did not provide a project name on the **SF424**, please make sure that you provide a project name in your **eLogic Model®.** The project name is helpful in distinguishing logic models submitting by the same grantee over multiple years and for differing projects.

If you are submitting multiple funding requests for the 2010 fiscal year funding under the same applicant name for the same **HUD** program, you **must** include a **project name** that can distinguish between the two applications and logic models submitted. The **project name** may be based upon the location of the project, the address at which it is located, anything that would distinguish one project from another for the same applicant. If you are not sure what to name your project, using your applicant name or acronym and then adding a 1 or 2, or 3 , etc., to distinguish the projects would be sufficient to distinguish the two logic models being processed.

Once you have entered your **"Project Name" in** the **"Cover Sheet"**, worksheets", **Year1**, **Year2**, **Year3**, and **Total worksheets** will automatically populate the same information.

“**Project Location City/County/Parish”** is located on Row 33. Applicants, except Indian Tribes, will enter the city or township or County/Parish where the project will be located. If there are multiple locations, enter the location where the majority of the work will be done. Indian Tribes, including multi-state tribes, should enter the city or county associated with their business address location.

"**Project Location State**" is located on Row 34. Use the dropdown menu to select the location of your project. The data field label, **“Project Location State”** includes all fifty states and American Samoa, District of Columbia, Federated States of Micronesia, Guam, Marshall Islands, Northern Mariana Islands, Palau, Puerto Rico, and the Virgin Islands. In the case of multi-state or regional entities, enter the State location where the majority of activities are to occur. For Indian Tribes, enter the state applicable to the business address of the Tribal entity.

“**Zip Code**” is located on Row 35 and is to be entered for the “Project Location State”. Please enter the nine digit zip code.
“**Project Type” is located on Row 36**.” Project Type describes the type of project you are doing, Please see the program **NOFA** for specific instructions. If no instructions are provided, provide a project type that would categorize the nature of the program e.g. housing counseling; family self-sufficiency program; research; regional development, community development, fair housing; technical assistance; etc.“**Construction Type”** is located on Row 37 and describes the type of Construction you are doing, e.g., new construction, rehabilitation, acquisition, mixed use development, etc. A logic model may provide specific drop down selections for this field based upon program **NOFA** If you are not involved with a construction program, leave the field blank.

Additional Information- Leave Blank At the Time of Application

“**Grants.gov Application Number**”, “**HUD Award Number**”, and “**Logic Model Amendment Number**” are located on Rows 39, 40 and 41 respectively. THESE ARE FIELDS THAT ARE TO BE COMPLETED ONLY IF YOU ARE SELECTED AS A GRANTEE AND ARE SUBMITTING YOUR REPORTS TOHUD.
I
NSTRUCTIONS FOR COMPLETING THE Year 1, Year 2 Year 3 and Total Tabs in the eLogic Model®
The "**Fiscal Year**" represents the fiscal year of the Notice of Funding Availability **(NOFA)** under which the award will be made. This field is pre-populated and located in **Tabs Year1**, **Year2**, **Year3**, and **Total** in cell [O6] below the **HUD** logo.
The **“Year1”** Tab is the first sheet of the **eLogic Model**® workbook to be used to enter your data for columns labeled:

- **HUD Goals**
- **Policy Priority**
- **Needs**
- **Services/Activities**
- **Measures**
- **Outcomes**
- **Measures**
- **Evaluation Tools**

If you have a multi-year award, you will enter data in the **Year2**, **Year3**, and **Total** worksheets. These worksheets are identical in format as Year1. Applicants applying for a multiple year award must complete a worksheet for each year of performance showing what is to be accomplished per year. The **“Total”** worksheet should be used to show the *sum of cumulative* accomplishments achieved for all Services/Activities and Outcomes for all years covered by the award. For example, a two-year award would include worksheets showing Services/Activities and Outcomes covering **Year1**. The **Year2** worksheet would show Services/Activities covering **Year2.** The **“Total”** worksheet would show the *cumulative* totals for all Services/Activities and Outcomes for both **Year1** and **Year2**. A three-year award would include the worksheets showing all Services/Activities and Outcomes for **Year1**, **Year2**, **Year3**, and the **“Total”** worksheet would show the *cumulative* totals for all **Services/Activities** and **Outcomes** for **Year1**, **Year2**, and **Year3**.

A one-year award would include ONLY Year1. A Total Worksheet is not required for a one year award
Note: Some cells of the worksheet are "lock protected" so you can only make entries in cells that are for input as directed by these instructions.

"**Reporting Period**", "**Reporting Start Date**" and "**Reporting End Date**" are fields located in **Year1**, **Year2**, **Year3**, and **Total** worksheets. The **Reporting Dates remain blank at the time of application** and are completed when submitting a report to HUD. See "INSTRUCTIONS FOR REPORTING PERFORMANCE TO HUD" later in these Instructions.

COLUMNS OF THE eLogic Model® (1-7)
Column 1 – Policy
Under the "Policy" Column (1), there are actually two columns; one labeled HUD Goals, and the other labeled Policy Priority. Review the HUD Goals and Policy Priorities by clicking on the Tab labeled, "Goals Priorities" at the bottom of the **eLogic Model®.** For each of the **eLogic Model®** worksheets used in your application, select the HUD Goals and Policy Priorities that your program will address. You do this by clicking the mouse in one of the cells in Column (1) of the worksheets labeled **(Year1, Year2, Year3, Total)**. A little dropdown arrow appears. Click the dropdown arrow and a dropdown list of letters and numbers that correspond to the HUD Goals and Policy Priorities will appear. Select one or more of the HUD Goals and Policy Priorities number/letter in the list by clicking it. If you make an error and want to remove the listing, select the cell and click the DELETE KEY on your keyboard. The item will be deleted.

To associate the HUD Goals and Policy Priorities to particular Services/Activities, select a HUD Goal and Policy Priority in Column 1 and then select related Services/Activities in Column 3, Programming. Please remember that not every Activity and Outcome is related to a HUD Policy Priority so that you can select a HUD goal without selecting a HUD policy priority. Also your activities and outcomes may be associated to more than one HUD goal and one policy priority.

If there is more than one Service/Activity to be administered related to the HUD Goal and Policy Priority, select all the related Services/Activities and associated Outcomes and skip as many rows as needed to identify the activities and outcomes associated to the HUD Strategic Goal and/or Policy Priority. Then before entering the next HUD Goal and Policy Priority, skip a row and then enter the next Strategic Goal and/or HUD Policy Priority and all the associated activities and outcomes to ensure that the association is clear.

Applicants/Grantees can make clear during each Year of their award, what Services/Activities are related to the achievement of the HUD Goal and Policy Priority selected.

Repeat this process until you have selected all HUD Goals and Policy Priorities that apply to your application.

Column 2 – Planning
Under the "Planning" Column (3), select a "Needs" statement. Do this by clicking the mouse in one of the cells of this column. A little dropdown arrow appears. Click the dropdown arrow and a dropdown list of "Needs" statement(s) will appear. Select one or more of these Needs statements in the list by clicking it. Because the column may be too narrow to show the full Needs statement in the dropdown list, you may wish to refer to the Tab labeled "Needs" to see the full statements or you can (using your mouse) click on the shaded cell [D7] labeled "Needs" and this will expand the cell. To return the cell to its original size, click again on cell [D7] labeled "Needs."

When expanding and returning the cell to its original size, click once. Do not double click. When you select a "Needs" statement, the full statement will fill the cell. If you don't want this statement, you can simply click the dropdown arrow again and select another item; or, you can delete a statement by selecting the cell and clicking the **DELETE KEY** on your keyboard. If you want to select more than one statement, go to the next cell in the column and repeat the process selecting the appropriate statement(s). You can do this until you have selected all the statements that are appropriate to your proposed program.

The selections should reflect the Needs identified in your response to your Rating Factor narratives. There is no need to select all the Needs statements if they do not apply to what you plan to address or accomplish with the funding requested. When developing your eLogic Model®, associate the Needs statement(s) selected to the Services/Activities and Outcome(s) you select. To show relationships, you can skip rows when making your Needs statement(s) selection(s) and remember to place the associated Services/Activities and Outcome(s) in the same row.

Column 3 – Programming
Under the "Programming" Column (3), select Services/Activities. You do this by clicking the mouse in one of the cells of this column. A little dropdown arrow appears. Click the dropdown arrow and a dropdown list of eligible Services/Activities appears. Select one of the Services/Activities in the list by clicking it. Identify your Year1 Services/Activities using the Year1 worksheet. Identify Year2 Services/Activities using the Year2 worksheet. Identify Year3 Services/Activities using the Year3 worksheet. Make a composite eLogic Model® of all years on the Total worksheet. *If you are only applying for a one year award, you do not need to create a composite eLogic Model® on the Total Tab.* Because the column may be too narrow to show the full Services/Activities statement in the dropdown list, you may wish to refer to the Tab labeled "Services" to see the full range of eligible Services/Activities, or you can (using your mouse) click on the shaded cell [E7] Services/Activities. This will expand the cell. To return the cell to its original size, click on shaded cell [E7] Services/Activities. When expanding and returning the cell to its original size, click once. **Do not double click.**

NOTE: If the Services/Activities that you are looking for does not appear on the dropdown list, choose "other" from the dropdown list and follow the instructions in the dialog boxes which are also described below:

⅄ A dialog box will appear that says **"Year1".** Click **"OK"** and another dialog box will appear that says, "You have selected 'other' and have the option to create a new Service/Activity or Outcome and a Unit of Measure. Are you prepared to do this now?"

⅄ Click **"Yes"** if you wish to continue.

⅄ You will see an input window that says, "Enter a new Activity/Service or Outcome to your dropdown list." Enter your new Service/Activity in the field provided and click **"OK."**

⅄ A second window will appear that says, "Specify a Unit of Measure." Enter the Unit of Measure in the field provided and click **"OK".** The new Service/Activity will appear in the **eLogic Model®** cell and it will be added to the dropdown list.

⅄ The new Service/Activity which you added will be displayed with the prefix "new".

If this function does not occur when working with your **eLogic Model®** please look at the directions for enabling macros. If after following the directions and this function still does not work, please call the NOFA Information Center at 800-HUD-8929 week days during operating hours of 10:00 a.m. to 6:30 p.m. eastern time, Monday to Friday, except federal holidays. The NOFA Information Center cannot provide you additional help right before a deadline date. Please take into account their operating hours and allow at least 72 hours for the NOFA Information Center to be able to get you additional help.

YOU ARE ONLY PERMITTED TO ADD A TOTAL OF THREE NEW SERVICES/ACTIVITIES PER ELOGIC MODEL®.

⅄ In the event that you want to delete, or change your newly created Service/Activity, follow the instructions in the dialog boxes which are also described below:

⅄ Click the Tab labeled Services at the bottom of your screen and then click cell [B1], "Click here to allow deletion of New Activities" at the top right of the window.

⅄ A dialog box will appear that says "Do you want to delete this new Service/Activity?", click "OK."

⅄ A dialog box will appear that says "Caution! This will delete all instances of 'new Service/Activity in your Logic Model. Do you wish to continue?" Click "Yes."

You can only delete new Services/Activities.
To find out how to associate a Service/Activity and Outcome to a HUD Goal and Policy Priority, see the instructions under Column 1, Policy.

Column 4 – Measure
Notice that as the Services/Activities you selected appears in Column 3, a corresponding Unit of Measure appears or populates in the Column 4, Measure. The Unit of Measure could be "persons", "dollars", "square feet", "houses", "date", or some other Unit of Measure that relates to the selected Services/Activities. Immediately below the Unit of Measure are three blank cells. Enter the projected number of persons or units (or dates if applicable) you are proposing to deliver or accomplish in the "Pre" column. When entering the date, use the format M/D/YYYY. When entering your projection in the "Pre" column, type the number or date in the cell and tab down or use your mouse to go to the next cell. If you click the Enter key, you will see the error message, "Run-time error '13':".If you see this message, click the button labeled End to continue. The "Run-time error '13':" will not affect your work.

Please note that the "Post" and the Year-to-Date (YTD) columns are locked to be used later for reporting purposes so that at the time of application, you cannot enter data in these fields.

Column 5 – Impact
Under Column 5, "Impact", select the Outcome that best corresponds to the "Needs" statement, Column 2 and Services/Activities, Column 3, which you just previously identified and selected for your eLogic Model®. This is the same procedure used for completing Column 3. When you select an Outcome from the dropdown list, a Unit of Measure automatically appears in the next column, "Measure." Since the column may be too narrow to show the full Outcome statement in the dropdown list, you may wish to refer to the Tab labeled "Outcomes" to see the full range of Outcomes, or you can (using your mouse) click on the shaded cell [J7] Outcome. This will expand the cell. To return the cell to its original size, click on shaded cell [J7] Outcome.

NOTE: When expanding and returning the cell to its original size, click once. **Do not double click**.

NOTE: If the Outcome that you are looking for does not appear on the dropdown list, choose "other" from the dropdown list and follow the instructions in the dialog boxes which are also described below:

⅄ A dialog box will appear that says **"Year1".** Click **"OK"** and another dialog box will appear that says, "You have selected 'other' and have the option to create a new Service/Activity or Outcome and a Unit of Measure. Are you prepared to do this now?"

⅄ Click **"Yes"** if you wish to continue.

⅄ You will see an input window that says, **"Enter a new Activity/Service or Outcome to your dropdown list."** Enter your new Outcome in the field provided and click "OK."

⅄ A second window will appear that says, **"Specify a Unit of Measure."** Enter the Unit of Measure in the field provided and click **"OK".** The new Outcome will appear in the **eLogic Model®** cell and it will be added to the dropdown list.

⅄ The new Service/Activity which you added will be displayed with the prefix **"new".**

If this function does not occur when working with your **eLogic Model®** please look at the directions for enabling macros. If after following the directions and this function still does not work, please call the **NOFA Information Center** at 800-HUD-8929 week days during operating hours of 10:00 a.m. to 6:30 p.m. eastern time, Monday to Friday, except federal holidays. The NOFA Information Center cannot provide you additional help right before a deadline date. Please take into account their operating hours and allow at least 72 hours for the NOFA Information Center to be able to get you additional help.

YOU ARE ONLY PERMITTED TO ADD A TOTAL OF THREE NEW OUTCOMES PER ELOGIC MODEL®.
In the event that you want to delete, or change your newly created Outcome, follow the instructions in the dialog boxes which are also described below:

⅄ Click the Tab labeled Outcomes at the bottom of your screen and then click cell [B1], "Click here to allow deletion of New Outcomes" at the top right of the window.

⅄ A dialog box will appear that says "Do you want to delete this Outcome?", click "OK."

⅄ A dialog box will appear that says **"Caution!** This will delete all instances of 'new Outcome' in your Logic Model. Do you wish to continue?" Click **"Yes."**

⅄ **You can only delete new Outcomes.**

To find out how to associate a Service/Activity and Outcome to a HUD Goal and Policy Priority, see the instructions under Column 1, Policy.

Column 6 – Measure
As the Outcomes you selected appear in the cell, a corresponding Unit of Measure appears or populates in Column 6, Measure. The Unit of Measure could be "persons", "dollars", "square feet", "houses", "date", or some other Unit of Measure that relates to the selected Outcome. Immediately below the Unit of Measure are three blank cells. Enter the projected number of persons or units (or dates if applicable) you are proposing to deliver or accomplish in the "Pre" column. When entering the date, use the format M/D/YYYY. When entering your projection in the "Pre" column, type the number or date in the cell and tab down or use your mouse to go to the next cell. If you click the Enter key, you will see the error message, "Run-time error '13' " If you see this message, click the button labeled End to continue. The "Run-time error '13':" will not affect your work.
The "Post" and the Year-to-Date (YTD) columns are locked to be used later for reporting purposes.

Review for Using Columns 2, 3, 4, 5, and 6 of the eLogic Model®

How To Demonstrate the Relationship between a HUD Goal, Policy Priority, Services/Activities and Outcomes
In the eLogic Model®, applicants can select Services/Activities and Outcomes as appropriate to how they conduct business. There are four possible types of associations among Services/Activities and Outcomes:

<u>One to One</u> - A single Service/Activity can yield a single Outcome. For example, referral to an employer can yield job placement; the Service/Activity is referral and the Outcome is job placement.

<u>One to Many</u> - A single Service/Activity can yield more than one Outcome. For example, a Service/Activity such as referral to an employer can yield several Outcomes such as job placement, job retention lasting 30 days, and job retention lasting longer than 90 days.

<u>Many to One</u> - More than one Service/Activity can yield one Outcome. For example, Services/Activities such as providing resume writing, job search classes, pre-employment counseling, and referrals to employers can result in a single job placement, the Outcome.

<u>Many to Many</u> - More than one Service/Activity can yield more than one Outcome. For example, multiple Services/Activities such as providing resume writing, job search classes, pre-employment counseling, and referrals to employers can result in multiple Outcomes including job placement, job retention more than 30 days, job retention more than 90 days, and increased household income.
There is no predesigned way to complete your eLogic Model®. It depends on how you operate your program.

Demonstrating Relationships Between Services/Activities and Outcomes
Show the relationships between the Services/Activities and Outcomes as you create your eLogic Model® using one or more of these models described above:

- One to One
- One to Many
- Many to One
- Many to Many

Between each Service/Activity, skip a row and then start entering the next set of Services/Activities. Use the same structure to enter your associated Outcomes. There is more than enough space to do this within the eLogic Model® Template.

Repeat the process of specifying "Policy", "Needs", "Service/Activity" and "Outcome" using as many rows as is necessary to fully describe your proposal. Applicants must skip a row when selecting new HUD Goals, Policy Priorities, Needs, Activities/Services and Outcomes. The eLogic Model® form extends to six pages when printed out. You may view a preprint of your eLogic Model® at any time by selecting FILES | Print Preview from the Menu bar at the very top of the Excel® Window. It is recommended that you do this periodically to get a better view of the eLogic Model® you are creating.

Associating Services/Activities with Outcomes Over Multiple Years
You can adjust the look of your eLogic Model® by skipping rows, so that "Needs", "Services/Activities" and "Outcomes" are grouped or associated together. If you are conducting a multi-year project and the "Services/Activities" occurs in Year1 with the resulting Outcomes occurring in Year2, make sure that you show the relationship between the Services/Activities in Year1 with the Outcomes occurring in Year2 and similarly the relationships between Year2 Services/Activities with the Outcomes occurring in Year3. You can do this by leaving blank fields corresponding to the lines in which Services/Activities were identified in the previous year or years. For example, if you have enrolled someone in General Equivalency Degree (GED) classes, the results of attending the GED Classes may not result in a person obtaining a GED degree until Year 2 or Year 3.

To show the relationship over time:

⅄ Enter the Services/Activities in Year 1 noting to yourself the line numbers on the Excel® worksheet that the Services/Activities appear in the Year 1 Tab of the eLogic Model®.

⅄ Move to the year Tab that you are proposing the Outcomes to occur. In the Year 2 or Year 3 Tab, place the Outcomes in the Outcomes section in the same rows that you noted the Services/Activities. You will be leaving the Outcomes blank in Year 1 and the Services/Activities blank for those corresponding rows in either Year 2 or Year 3.

⅄ <u>Skip a row</u> in both the Year 1 and the corresponding Year that you placed the Outcomes. Do this as many times as needed, remembering to maintain the same row numbers for Services/Activities and Outcomes across the span of years.

<u>Demonstrating the Relationship To Needs Statements</u>
Similarly, if you want to demonstrate the relationship between Services/Activities, Outcomes and a Needs statement, select the Needs statement and enter the Services/Activities and the corresponding Outcomes on the same row in the Excel® worksheet. To select another Needs statement, <u>skip a row</u> and identify the Services/Activities and Outcomes on the same row in the Excel® worksheet. This can occur within a single year or across years provided you remember to maintain the row alignment to the Needs statement, Services/Activities and Outcomes. You can continue adding activities and outcomes associated to the Needs statement as needed. When done, skip a row to move to another Needs statement and set of Services/Activities,

CAUTION, DO NOT CUT & PASTE ITEMS FROM ONE COLUMN TO ANOTHER. For example, do not cut and paste an item from the "Needs" Column to the "Services/Activities" Column, or the "Services/Activities" Column to the "Outcomes" Column. Doing so will produce an unstable worksheet which will behave erratically, requiring you to start over with a new blank eLogic Model® workbook.

Column 7 – Accountability
Under the "Accountability" Column (7), enter the tools and the process of collection and processing of data in your organization to support all project management, reporting, and responses to the Management Questions. This column provides the framework for structuring your data collection efforts. If the collection and processing of data is not well planned, the likelihood of its use to further the management of the program and support evaluation activity is limited. If data are collected inconsistently, or if data are missing, not retrievable, or mishandled, the validity of any conclusions is weakened.

The structure of Column 7 contains five components in the form of dropdown fields that address the Evaluation Process. You are responsible for addressing each of the five steps that address the process of managing the critical information about your project.

A. Tools for Measurement
B. Where Data Maintained
C. Source of Data
D. Frequency of Collection
E. Processing of Data

You may select up to five choices for each of the five processes (A-E) that supports Accountability and tracks Services/Activities and Outcomes. Given the limited space, please identify the most frequent sources for the processes (A-E). As you proceed through the remaining components, B through E, specify those components in the same order as you selected the "Tools for Measurement" listed under item A. For example, if the first Tool is "Pre-post Test," then the first item under B "Where Data Maintained" must identify where the pre-post test data is maintained, and so on through E. The first entry should pertain to "Pre-post Test." Likewise, if the second item in A is "Satisfaction Surveys," then specify the second item in B through E as it pertains to "Satisfaction Surveys."

A. Tools for Measurement. A device is needed for collecting data; e.g., a test, survey, attendance log, or inspection report, etc. The tool "holds" the evidence of the realized Services/Activities or Outcomes specified in the eLogic Model®. At times, there could be multiple tools for a given event. A choice can be made to use several tools, or rely on one that is most reliable, or most efficient but still reliable. Whatever tool is identified, it is important to remain consistent throughout the project.
Instructions: Under Column 7, Accountability, select your choices of "Tools for Measurement" to Track Services/Activities and Outcomes. You do this by clicking the mouse in one of the cells of this column. A little dropdown arrow appears. Click the dropdown arrow and a dropdown list of Tools appears. Select one or more of the Tools in the list by clicking it.

B. Where Data Maintained. A record of where the data or data tool resides must be maintained. It is not required that all tools and all data are kept in one single place. You may keep attendance logs at the main office files, but keep other tools or data such as a "case record" in the case files at the service site. It is important to designate where tools and/or data are to be maintained. For example, if your program has a sophisticated computer system and all data is entered into a custom-designed database, it is necessary to designate where the original or source documents will be maintained.

Instructions: Under Column 7, Accountability, select your choices of "Where Data Maintained." You do this by clicking the mouse in one of the cells of this column. A little dropdown arrow appears. Click the dropdown arrow and a dropdown list of Where Data Maintained appears. Select one or more of the Where Data Maintained in the list by clicking it.

C. Source of Data. This is the source where the data originates. Identify the source and make sure that it is appropriate.
Instructions: Under Column 7, Accountability, select your choices of "Source of Data." You do this by clicking the mouse in one of the cells of this column. A little dropdown arrow appears. Click the dropdown arrow and a dropdown list of Source of Data appears. Select one or more of the Source of Data in the list by clicking it.

D. Frequency of Collection. Timing matters in data collection. In most instances, you want to get it while it occurs. Collect data at the time of the encounter; if impossible, when it is most opportune immediately thereafter. For example, collect report card data immediately upon the issuance of report cards. Do not wait until after the school year is over. Collect feedback surveys at the conclusion of the event, not a few months later when clients may be difficult to reach. Reporting can be done at anytime if the data is already collected. Another important aspect of this dimension is consistency. If some post tests are collected soon after the event, but others are attempted months later, the data are confounded by the differences in the timing. If some financial data are collected at the middle of the month and others at the end of the month, the data may be confounded by systematic timing bias.
Instructions: Under Column 7, Accountability, select your choices of "Frequency of Collection." You do this by clicking the mouse in one of the cells of this column. A little dropdown arrow appears. Click the dropdown arrow and a dropdown list of Frequency of Collection appears. Select one or more of the Frequency of Collection in the list by clicking it.

E. Processing of Data. This is where you identify the mechanism that will be employed to process the data. Some possibilities are: manual tallies, computer spreadsheets, flat file database, relational database, statistical database, etc. The eLogic Model® is only a summary of the program and it cannot accommodate a full description of your management information system. There is an implicit assumption that the grantee has thought through the process to assure that the mechanism is adequate to the task(s).
Instructions: Under Column 7, Accountability, select your choices of "Processing of Data." You do this by clicking the mouse in one of the cells of this column. A little dropdown arrow appears. Click the dropdown arrow and a dropdown list of Processing of Data appears. Select one or more of the Process of Data in the list by clicking it.

Saving Your eLogic Model®
The 2010 eLogic Model® was constructed using Excel™ 2007. The models are posted on Grants.gov as Excel® 2003. You can save your eLogic Model® as an Excel® 97-2003 Workbook or as an Excel® 2007 Workbook. If you are using Excel® 97-2003 and if you see [Compatibility Mode] at the top of your Excel® where the name of the Excel® Workbook is located, it will not affect the functionality of the eLogic Model®. You can run the eLogic Model® in either Excel® version without functionality issues.
When you have completed the eLogic Model®, or wish to stop and continue later, save the file by going to the Excel® Menu bar and choosing FILE | Save As. Then specify a name for the file, and note where you save the file on your computer.

⅄ Use the name of the HUD Program and your organization name to form a file name for your eLogic Model®. **For example, FHIP_DillardAffordableHousing.** Please note that there is an "underscore" between FHIP and no spaces between Dillard Affordable Housing separating the Program Name from the Project Name which is needed to identify the eLogic Model® in the database. This is the only convention allowed to separate these two terms. Do not use an underscore to separate words in your project name. The database will read "DillardAffordableHousing" as one name.

Do not use spaces or special characters such as dashes, periods, asterisks, and symbols when saving your eLogic Model®, only use letters and numbers. Only underscores are permitted. If you fail to follow these directions by using special characters or spaces, or the file name exceeds 50 characters, grants.gov will reject your submission as JAVA code treats your submission as containing a virus.

If your program has a program component, please follow the example below adding the Program Component "EOI" with an underscore:

⅄ **FHIP_EOI_DillardAffordableHousing**

Please remember, if you are submitting multiple applications under the same applicant name for the same HUD program, you must distinguish between the two applications as is shown below:

⅄ **FHIP_EOI_DillardAffordableHousing1**
⅄ **FHIP_EOI_DillardAffordableHousing2**

Please be sure to review the file formats and naming requirements contained in the General Section.

Excel® automatically adds the file extension ".xls" or "xlsx" to your file name. Make sure the file extension is not capitalized. <u>In following these directions, if your organizational name exceeds the 50 character limit for space, you should abbreviate your organizational name by either using its initials or a recognizable acronym, e.g., South Carolina State University maybe written as SCSU, or Howard University maybe written as HOWDU.</u>

If you attempt to close the eLogic Model® without entering the Applicant Legal Name, the DUNS Number or Project Name, you receive a message that says "You still need to enter the Applicant Legal Name, the DUNS Number or Project Name. Dialog boxes have been created as reminders. Click OK on the dialog boxes. You will then get to the default Excel® dialog box asking if you want to save changes. Clicking CANCEL will allow you to go back and enter the missing mandatory fields. Clicking YES will save your work and close the Workbook but the mandatory fields will not be completed. **Clicking NO WILL NOT SAVE your work and will close the Workbook."**

Later, you will “Attach” this file to your application. Please remember the name of the file that you are saving. Be sure to delete any earlier version so that when you go to attach the file to your application, you select the appropriate and final file.

A single Workbook will be adequate for completing your eLogic Model®.

This ends the instructions for completing your eLogic Model® for application submission.

INSTRUCTIONS FOR REPORTING PERFORMANCE TO HUD
Do not modify or change the integrity of the eLogic Model® by adding additional Tabs or worksheets. The Instructions provided here will meet your needs. When saving your eLogic Model®, save it in the Excel® format. Do not convert it into PDF.
If your project is selected for funding, the eLogic Model® will be used as a monitoring and reporting tool upon final approval from the HUD program office. Upon approval, HUD will open the reporting side of the eLogic Model® allowing you to submit the actual Services/Activities and Outcomes against the approved (projected) Services/Activities and Outcomes. Specifically, HUD will open the “Post” and “YTD” fields in both Columns 4 and 6, and will close the “Pre” fields in the same columns. HUD will also open the Reporting Tab for you to meet the reporting requirements that are discussed below. The HUD program office will send back to you or post to a website, the approved eLogic Model® to be used for reporting purposes.

Identify the Reporting Period Covered by the Report
On the Coversheet are three fields that must be completed when you submit your reports to HUD: “**Grants.gov Application Number**”, “**HUD Award Number”, and “Logic Model Amendment Number**” which are located on Rows 33, 34 and 35 respectively. These fields allow HUD to associate the eLogic Model® submitted with the application with the negotiated logic model, and reports submitted. On the Year1, Year2, Year3 and Total Tabs are three additional fields labeled “Reporting Period”, “Reporting Start Date” and “Reporting End Date.” These three fields are not to be used at time of application. At the time of reporting they are "mandatory. They are used during the reporting process to record the Start and End date of your reporting period.
." The required data must be entered to have a complete eLogic Model® report.

Before closing and saving your eLogic Model® report, click the worksheet Tab, “Coversheet” and at the top left, click "Check Errors." If you did not complete any of the "mandatory" fields, a message box will appear telling you what field(s) were not completed and the field(s) will be highlighted in yellow. When actually reporting performance on your approved eLogic Model®, select the "Reporting Period" using the dropdown feature for:

- Yr1 1st Quarter
- Yr1 2nd Quarter
- Yr1 3rd Quarter
- Yr1 4th Quarter
- Yr2 5th Quarter
- Yr2 6th Quarter
- Yr2 7th Quarter
- Yr2 8th Quarter
- Yr3 9th Quarter
- Yr3 10th Quarter
- Yr3 11th Quarter
- Yr3 12th Quarter
- Final Report.

Note: For those reporting on a semi-annual basis, the reporting period identified in the eLogic Model® report would be Yr1 2nd Quarter, and Yr1 4th Quarter for the first year reports and Yr2 6th Quarter and Yr2 8th Quarter, etc.. For those reporting on an annual basis, the eLogic Model® reporting period would be selected as Yr1 4th Quarter. If the award was a one year award, and the award was completed, the reporting period selected would be Final Report. If the report was multi-year, for the 2nd year report, the reporting period would be Yr2 8th Quarter.

Then enter a "Reporting Start Date" and the "Reporting End Date" that reflects the reporting period you will be submitting in accordance with required reporting time frames indicated in the HUD Program NOFA and the Award Agreement. When entering the dates, you must use this format, MM/DD/YYYY including the slashes. Using the MM/DD/YYYY format will allow HUD to enter your eLogic Model® into the database. If not, you may have to resubmit your eLogic Model® if it is not accepted by HUD.

Completing Performance Information in YEAR1, YEAR2, YEAR3, and TOTAL Tabs
Your projections approved by HUD that were entered in the “Pre” Column will be locked in and the “Post” and “YTD” will be opened for reporting purposes. When reporting enter:

- Year1 accomplishments utilizing the Year1 Tab
- Year2 accomplishments utilizing the Year2 Tab
- Year3 accomplishments utilizing the Year3 Tab

For multi-year awards, use the Total Tab to capture cumulative reporting during years 2 and 3 and for your final report. *If you have a one year award you only need to complete Year1 for your final report.* If you have a two year award, use Year1, Year2, and Total. If you have a three year award, use Year1, Year2, Year3, and Total.

In each reporting period, enter your data for the reporting period cover by the report. Do not enter cumulative data in this column. The column labeled YTD is used to capture the cumulative data for the current reporting period as well as all past reports submitted covering the first year of the award. For example, if you report quarterly.

When reporting Activities in Year1:

⅄ Enter your first quarter accomplishments in the "Post" column and the cumulative accomplishments in the "YTD" column.For the first quarter reporting, the numbers or dates will be the same in both columns.

⅄ For the second quarter of Year1 reporting, enter the data covering second quarter activities and outcomes which occurred in that quarter only. In the "YTD" column, you will enter the cumulative total of both the first and second quarter accomplishments.

⅄ Follow this same process for all quarters in Year1.

When reporting Activities in Year2:

⅄ Only enter your first quarter accomplishments of Year2 in the "Post" column. The information should only reflect activities and outcomes that occur in the 1st quarter of year 2. Cumulative accomplishment from year 1 nad year 2 acitiviite nad outcones will be recorded in the Total Worksheet.

⅄ Enter the Year 2 Quarter 1 accomplishments in the "YTD" column. For the first quarter reporting the numbers or dates will be the same for both the Actual and the YTD columns.

⅄ For the second quarter of Year2 reporting, you will only enter the second quarter results (what actually occurred in the second quarter independent of the previous quarter) of theYear2 in the "Post" column.

⅄ In the "YTD" column, you will enter the cumulative total of both the first and second quarter accomplishments for Year2. In the Total worksheet enter the cumulative total (the YTD from Year1 and the YTD from Year2). Follow these instructions for all quarters in Year2.

When reporting Activities in Year3, enter your first quarter accomplishments of Year3 non-cumulative in the "Post" column and the cumulative accomplishment of Year3 in the "YTD" column.

⅄ For the first quarter reporting the numbers or dates will be the same in both columns.

⅄ For the second quarter of Year3 reporting, you will enter the non-cumulative second quarter results (what actually occurred in the second quarter independent of the previous quarter) of the Year3 in the "Post" column.

⅄ In the "YTD" column you will enter the cumulative total of both the first and second quarter accomplishments for Year3. In the Total worksheet enter the cumulative total (the YTD from Year1, the YTD from Year2 and the YTD from Year3). Follow these instructions for all quarters in Year3.

Using the Total Worksheet

If you have a multi-year award, you will begin to use the "Total" Tab at the beginning of the second year. The "Total" Tab is designed to show cumulative totals of Year1, Year2, and Year3. The "Total" worksheet will show the cumulative progress for Year1, Year2, and Year3. In the Total worksheet, when you are reporting accomplishments for the first quarter of Year2, add the "YTD" number from Year1 and the "YTD" number for Year2. Remember, the first quarter of Year2 and the "Post" is the same number as the "YTD" number. If you are reporting accomplishments for the second quarter of Year2, add the "YTD" number from Year1 and the "YTD" number from Year2 and add them to reach a cumulative total or

"YTD" of Year1 and the first two quarters of Year2.
Follow these instructions for all quarters in Year2, and Year3. At the end of the award period, the "Total" Worksheet will contain the cumulative total for all years.

Using the Reporting Worksheet

The Reporting Tab (worksheet) serves three functions: 1) Respond to the Management Questions, 2) Describe or explain actual performance compared to what was projected, and 3) Provide an explanation of any deviation (positive or negative) from the projections in your approved eLogic Model® .

Each program has different Management Questions that are applicable to that program only. The Management Questions contained in the eLogic Model® ask key questions related to all Services/Activities and Outcomes in the drop-down lists in the eLogic Model® forms for each HUD program. Grantees are required to report on the Management Questions which relate to the specific Services/Activities and Outcomes that are in their HUD approved eLogic Model®. These are determined during negotiations with HUD. HUD will use the approved eLogic Model® for monitoring program performance throughout the project. The Services/Activities and Outcomes identified in your approved eLogic Model®, and resultant data reported in your eLogic Model® over the award performance period should enable you to address most or all of the Management Questions reflective of your project. The data collected during the course of your work and captured in the eLogic Model® will also be useful to you in evaluating the effectiveness of your program.

Use the Reporting Tab to enter your responses to the Management Questions by entering the appropriate "Count/Amount" in the fields provided. The last question asks, "Describe the population you are serving in the space below." Enter a brief summary description of the demographic and socio-economic characteristics of the area and clients you are serving. Your description should be short and to the point -- a paragraph or less.

Narrative Description - Positive/Negative Deviation from Approved eLogic Model® Projections

In addition to your submission of your eLogic Model® results, if there are deviations from what you projected, then you must include a narrative indicating any positive or negative deviations from projected Services/Activities and Outcomes as contained in your approved eLogic Model® and explain the basis for the actual performance as compared to what was projected. In your narrative be sure to identify the Services/Activities and Outcomes from your approved eLogic Model® that you are describing and the reason why this deviation occurred. When doing this, create a paragraph header labeled, "Narrative Description - Positive/Negative Deviation from Approved Logic Model Projections." By identifying the deviations and the reasons, HUD is able to obtain information on what impacts affect the timeline for program activity and outcomes, and also will be able to share and disseminate best practices to help grantees learn from each other and to also increase the effectiveness of the program.

Saving Your Report

Save the eLogic Model® file you receive from HUD. Each time you submit your report to HUD, add the fiscal year of the NOFA in which the award was made and the reporting period to the file name. For example:
This is for a 1st quarter report.

- **FHIP_EOI_DillardAffordableHousing2010qtr1**

This is for a 2nd quarter or semi-annual report.

- **FHIP_EOI_DillardAffordableHousing2010qtr2**

This is for a 3rd quarter report.

- **FHIP_EOI_DillardAffordableHousing2010qtr3**

This is for a 4th quarter or annual report.

- **FHIP_EOI_DillardAffordableHousing2010qtr4**

This is for a 5th quarter or the first reporting period in year 2 of the project.

- **FHIP_EOI_DillardAffordableHousing2010qtr5**

Please remember, if you are reporting on multiple projects under the award for the same HUD program, you must distinguish between the two reports as is shown below. **Please note that an underscore was added before the fiscal year. Only add the underscore if there are multiple projects:**

- **FHIP_EOI_DillardAffordableHousing1_2010qtr1**
- **FHIP_EOI_DillardAffordableHousing2_2010qtr2**

For eLogic Model® Training via webcast, consult the webcast schedule found at HUD's website at: http://www.hud.gov/offices/adm/grants/fundsavail.cfm. If you have any questions regarding reporting requirements, please contact your HUD program representative.

Reporting Requirements

As part of your required reports to HUD, you must also submit an eLogic Model® report in either Excel® 2003 or 2007. (See the FY2010 General Section of the NOFA in the HUD approved electronic formats.)

2010 eLogic Model® Information Coversheet

Instructions

When completing this section there are "mandatory" fields that must be completed. These fields are highlighted in yellow. The required data must be entered correctly to complete an eLogic Model®. After completing all mandatory fields on the coversheet click on the "Check Errors" button at the top of this page. Applicant Legal Name must match box 8a in the SF-424 in your application. Enter the legal name by which you are incorporated and pay taxes. CCR Doing Business is new for 2010 eLogic Model®. Only complete this field if your registration at CCR includes an entry in Doing Business as: (dba). Enter the DUNS # as entered into box 8c of the SF-424 Application for Federal Assistance form. Enter the City where your organization is located, this information must match the SF-424 data in your application. Use the dropdown to enter the State where your organization is located, this information must match the SF-424 data in your application. This information must match the SF-424 data in your application. Enter the Grantee Contact Name and email address in the field provided. Enter the name of the person that completed the eLogic Model® and their email address in the field provided. When completing the Project Information Section, applicants except Indian Tribes must enter their Project Name, Project Location City/County/Parish, State, Project Type, and Construction Type. If there are multiple locations, enter the location where the majority of the work will be done. Indian tribes, including multi-state tribes, should enter the City or County associated with their business address location. For Indian Tribes, enter the state applicable to the business address of the Tribal entity.

Program Information

HUD Program	**Healthy Homes Technical Studies**
Program CFDA #	**14.906**
	Program Component

Grantee Information

Applicant Legal Name	Board of Trustees of the University of Illinois		
CCR Doing Business As Name			
DUNS Number	098987217	-	
City	Chicago		
State	ILLINOIS		
Zip Code	60612	-	
Grantee Contact Name	Salvatore Cali		
Grantee Contact email	scali@uic.edu		
Logic Model Contact Name	David Jacobs		
Logic Model Contact email	dejacobs@uic.edu		

Project Information

Project Name	CLEAR WIN: An Evaluation of Lead Education and Window Replacement in Illinois		
Project Location City/County/Parish			
Project Location State			
Zip Code		-	
Project Type			
Construction Type			

Additional Information for Reporting (Leave Blank At the Time of Application)

Grants.gov Application Number	
HUD Award Number	
Logic Model Amendment Number	

eLogic Model® **Year 1** *OMB Approval 2535-0114 exp. 2/28/2011*

Applicant Legal Name	Board of Trustees of the University of Illinois
CCR Doing Business As Name	0
HUD Program	Healthy Homes Technical Studies
Program Component	
Project Name	Evaluation of Lead Education and Window Replacement in Illinois
Reporting Period	
Reporting Start Date	
Reporting End Date	
DUNS No.	098987217 - 0

2010

HUD Goals	Policy Priority	Needs	Services/Activities	Measures			Outcomes	Measures			Evaluation Tools
1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
3B	2c	There is a need for more efficient, effective and less costly methods to evaluate (test for, identify) and control (mitigate) lead-based paint hazards.	Research-Development on evaluating contaminant or injury control measures |Evaluations	Evaluations			Research-Assessments of contaminant or injury control measures |Assessments	Assessments			
				40				40			**A. Tools for Measurement**
					#VALUE!				#VALUE!		Pre-post tests
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
											B. Where Data Maintained
					#VALUE!				#VALUE!		Centralized database
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
											C. Source of Data
					#VALUE!				#VALUE!		Environmental reports
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
											D. Frequency of Collection
					#VALUE!				#VALUE!		Annually

eLogic Model® **Year 1** ***OMB Approval 2535-0114 exp. 2/28/2011***

Applicant Legal Name	Board of Trustees of the University of Illinois
CCR Doing Business As Name	0
HUD Program	Healthy Homes Technical Studies
Program Component	
Project Name	Evaluation of Lead Education and Window Replacement in Illinois
Reporting Period	
Reporting Start Date	
Reporting End Date	
DUNS No.	098987217 - 0

2010

HUD Goals	Policy Priority	Needs	Services/Activities	Measures			Outcomes	Measures			Evaluation Tools
1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
											E. Processing of Data
					#VALUE!				#VALUE!		Statistical database
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		

eLogic Model® | **Year 1** | ***OMB Approval 2535-0114 exp. 2/28/2011***

Applicant Legal Name	Board of Trustees of the University of Illinois
CCR Doing Business As Name	0
HUD Program	Healthy Homes Technical Studies
Program Component	
Project Name	Evaluation of Lead Education and Window Replacement in Illinois
Reporting Period	
Reporting Start Date	
Reporting End Date	
DUNS No.	098987217 - 0

2010

HUD Goals	Policy Priority	Needs	Services/Activities	Measures			Outcomes	Measures			Evaluation Tools
1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		

eLogic Model®

Year 1

OMB Approval 2535-0114 exp. 2/28/2011

Applicant Legal Name	Board of Trustees of the University of Illinois
CCR Doing Business As Name	0
HUD Program	Healthy Homes Technical Studies
Program Component	
Project Name	Evaluation of Lead Education and Window Replacement in Illinois
Reporting Period	
Reporting Start Date	
Reporting End Date	
DUNS No.	098987217 - 0

2010

HUD Goals	Policy Priority	Needs	Services/Activities	Measures			Outcomes	Measures			Evaluation Tools
1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		

eLogic Model®

Year 1

OMB Approval 2535-0114 exp. 2/28/2011

Applicant Legal Name Board of Trustees of the University of Illinois

CCR Doing Business As Name 0

HUD Program Healthy Homes Technical Studies

Reporting Period

Program Component

Reporting Start Date

DUNS No. 098987217 - 0

Project Name Evaluation of Lead Education and Window Replacement in Illinois

Reporting End Date

2010

<table>
<tr><th>HUD Goals</th><th>Policy Priority</th><th>Needs</th><th>Services/Activities</th><th colspan="3">Measures</th><th>Outcomes</th><th colspan="3">Measures</th><th>Evaluation Tools</th></tr>
<tr><td colspan="2">1</td><td>2</td><td>3</td><td colspan="3">4</td><td>5</td><td colspan="3">6</td><td>7</td></tr>
<tr><td colspan="2">Policy</td><td>Planning</td><td>Programming</td><td>Pre</td><td>Post</td><td>YTD</td><td>Impact</td><td>Pre</td><td>Post</td><td>YTD</td><td>Accountability</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
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eLogic Model® **Year 1** ***OMB Approval 2535-0114 exp. 2/28/2011***

Applicant Legal Name	Board of Trustees of the University of Illinois
CCR Doing Business As Name	0
HUD Program	Healthy Homes Technical Studies
Program Component	
Project Name	Evaluation of Lead Education and Window Replacement in Illinois
Reporting Period	
Reporting Start Date	
Reporting End Date	
DUNS No.	098987217 - 0

2010

HUD Goals	Policy Priority	Needs	Services/Activities	Measures			Outcomes	Measures			Evaluation Tools
1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
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					#VALUE!				#VALUE!		

eLogic Model®

Year 1

OMB Approval 2535-0114 exp. 2/28/2011

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1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
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					#VALUE!				#VALUE!		
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					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		

eLogic Model® **_Year 1_** ***OMB Approval 2535-0114 exp. 2/28/2011***

Applicant Legal Name Board of Trustees of the University of Illinois
CCR Doing Business As Name 0
HUD Program Healthy Homes Technical Studies **Reporting Period**
Program Component **Reporting Start Date** **DUNS No.** 098987217 - 0
Project Name Evaluation of Lead Education and Window Replacement in Illinois **Reporting End Date**

2010

HUD Goals	Policy Priority	Needs	Services/Activities	Measures			Outcomes	Measures			Evaluation Tools
1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
					#VALUE!				#VALUE!		
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eLogic Model® **Year 1** *OMB Approval 2535-0114 exp. 2/28/2011*

Applicant Legal Name	Board of Trustees of the University of Illinois
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HUD Program	Healthy Homes Technical Studies
Program Component	
Project Name	Evaluation of Lead Education and Window Replacement in Illinois
Reporting Period	
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DUNS No.	098987217 - 0

CAMP

2010

HUD Goals	Policy Priority	Needs	Services/Activities	Measures			Outcomes	Measures			Evaluation Tools
1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
				#VALUE!				#VALUE!			

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1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
				#VALUE!				#VALUE!			
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eLogic Model®

Year 1

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1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
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					#VALUE!				#VALUE!		

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1		2	3	4			5	6			7
Policy		Planning	Programming	**Pre**	**Post**	**YTD**	Impact	**Pre**	**Post**	**YTD**	Accountability
					#VALUE!				#VALUE!		
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					#VALUE!				#VALUE!		

eLogic Model®

Year 2

OMB Approval 2535-0114 exp. 2/28/2011

Applicant Legal Name Board of Trustees of the University of Illinois

CCR Doing Business As Name 0

HUD Program Healthy Homes Technical Studies

Program Component

Project Name Evaluation of Lead Education and Window Replacement in Illinois

Reporting Period

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1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
3B	2c	There is a need for more efficient, effective and less costly methods to evaluate (test for, identify) and control (mitigate) lead-based paint hazards.	Research-Development on evaluating contaminant or injury control measures |Evaluations	Evaluations			Research-Assessments of contaminant or injury control measures |Assessments	Assessments			
				40				40			**A. Tools for Measurement**
				#VALUE!				#VALUE!			Pre-post tests
				#VALUE!				#VALUE!			
				#VALUE!				#VALUE!			
											B. Where Data Maintained
				#VALUE!				#VALUE!			Centralized database
				#VALUE!				#VALUE!			
				#VALUE!				#VALUE!			
											C. Source of Data
				#VALUE!				#VALUE!			Statistics
				#VALUE!				#VALUE!			
				#VALUE!				#VALUE!			
											D. Frequency of Collection

eLogic Model® **Year 2** *OMB Approval 2535-0114 exp. 2/28/2011*

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1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
					#VALUE!				#VALUE!		Annually
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
											E. Processing of Data
					#VALUE!				#VALUE!		Statistical database
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					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		
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1		2	3	4			5	6			7
Policy		Planning	Programming	**Pre**	**Post**	**YTD**	Impact	**Pre**	**Post**	**YTD**	Accountability
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				#VALUE!				#VALUE!			

eLogic Model® **Year 2** *OMB Approval 2535-0114 exp. 2/28/2011*

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Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
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1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
					#VALUE!				#VALUE!		
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eLogic Model®

Year 2

OMB Approval 2535-0114 exp. 2/28/2011

CAMP

2010

Applicant Legal Name	Board of Trustees of the University of Illinois
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HUD Program	Healthy Homes Technical Studies
Program Component	
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HUD Goals	**Policy Priority**	**Needs**	**Services/Activities**	**Measures**			**Outcomes**	**Measures**			**Evaluation Tools**
1		2	3	4			5	6			7
Policy		Planning	Programming	**Pre**	**Post**	**YTD**	Impact	**Pre**	**Post**	**YTD**	Accountability
				#VALUE!				#VALUE!			
				#VALUE!				#VALUE!			

eLogic Model®

Year 2

OMB Approval 2535-0114 exp. 2/28/2011

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1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
				#VALUE!				#VALUE!			
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				#VALUE!				#VALUE!			

eLogic Model®

Year 2

OMB Approval 2535-0114 exp. 2/28/2011

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1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
				#VALUE!				#VALUE!			
				#VALUE!				#VALUE!			
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				#VALUE!				#VALUE!			
				#VALUE!				#VALUE!			
				#VALUE!				#VALUE!			
				#VALUE!				#VALUE!			

eLogic Model® **Year 2** ***OMB Approval 2535-0114 exp. 2/28/2011***

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1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
					#VALUE!				#VALUE!		
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					#VALUE!				#VALUE!		
					#VALUE!				#VALUE!		

eLogic Model® **Year 3** **OMB Approval 2535-0114 exp. 2/28/2011**

Applicant Legal Name Board of Trustees of the University of Illinois
CCR Doing Business As Name 0
HUD Program Healthy Homes Technical Studies **Reporting Period**
Program Component **Reporting Start Date** **DUNS No.** 098987217 - 0
Project Name Evaluation of Lead Education and Window Replacement in Illinois **Reporting End Date** **2010**

HUD Goals	Policy Priority	Needs	Services/Activities	Measures			Outcomes	Measures			Evaluation Tools
1		2	3	4			5	6			7
Policy		Planning	Programming	Pre	Post	YTD	Impact	Pre	Post	YTD	Accountability
3B	2c	There is a need for more efficient, effective and less costly methods to evaluate (test for, identify) and control (mitigate) lead-based paint hazards.	Policy Priority-Capacity Building and Information Sharing-Development of a plan to disseminate program results and effective practices |Date	Date			Policy Priority-Capacity Building and Knowledge Sharing-Dissemination of program results and effective practices |Date	Date			
				Oct-13				1-Dec			**A. Tools for Measurement**
				#VALUE!			Research-Data analysis completed |Completed	Completed			Database
								Oct-13			
			Research-Scientific manuscript submitted to HUD |Manuscript	Manuscript			Research-Submitted manuscript(s) accepted by HUD |Manuscript Accepted Date	Manuscript Accepted Date			Pre-post tests
				1				Dec-13			
				#VALUE!			Research-Submitted manuscript(s) for publication |Manuscript Submitted Date	Manuscript Submitted Date			
								Jan-14			**B. Where Data Maintained**
				#VALUE!			Research-Final project report |Accepted	Accepted			Centralized database
								Jan-14			
				#VALUE!				#VALUE!			
				#VALUE!				#VALUE!			
											C. Source of Data
				#VALUE!				#VALUE!			Statistics
				#VALUE!				#VALUE!			
				#VALUE!				#VALUE!			
											D. Frequency of Collection

eLogic Model®

Year 3

OMB Approval 2535-0114 exp. 2/28/2011

Applicant Legal Name	Board of Trustees of the University of Illinois
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HUD Program	Healthy Homes Technical Studies
Program Component	
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DUNS No.	098987217 - 0

2010

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3B	2c	There is a need for more efficient, effective and less costly methods to evaluate (test for, identify) and control (mitigate) lead-based paint hazards.	Research-Development on evaluating contaminant or injury control measures |Evaluations	Evaluations			Research-Assessments of contaminant or injury control measures |Assessments	Assessments			
				80				80			**A. Tools for Measurement**
			Policy Priority-Capacity Building and Information Sharing-Development of a plan to disseminate program results and effective practices |Date	Date			Policy Priority-Capacity Building and Knowledge Sharing-Dissemination of program results and effective practices |Date	Date			Database
				Oct-13				Dec-13			
				#VALUE!			Research-Data analysis completed |Completed	Completed			Pre-post tests
								Oct-13			
			Research-Scientific manuscript submitted to HUD |Manuscript	Manuscript			Research-Submitted manuscript(s) accepted by HUD |Manuscript Accepted Date	Manuscript Accepted Date			
				1				Dec-13			**B. Where Data Maintained**
				#VALUE!			Research-Submitted manuscript(s) for publication |Manuscript Submitted Date	Manuscript Submitted Date			Centralized database
								Jan-14			
				#VALUE!			Research-Final project report |Accepted	Accepted			
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	HUD Goals			HUD Priorities
1A	**Strengthen the Nation's Housing Market to Bolster the Economy and Protect Consumers** (1A) Stem the foreclosure crisis.		1a	**Job Creation/Employment** (1a) Improving access to job opportunities through information sharing, coordination with federal, state, and local entities, and other means.
1B	**Strengthen the Nation's Housing Market to Bolster the Economy and Protect Consumer** (1B) Protect and educate consumers when they buy, refinance or rent a home.		1b	**Job Creation/Employment** (1b) Increasing access to job training, career services, and work, supports through coordination with federal, state, and local entities.
1C	**Strengthen the Nation's Housing Market to Bolster the Economy and Protect Consumers** (1C) Create financially sustainable homeownership opportunities.		1c	**Job Creation/Employment** (1c) Expanding economic and job creation opportunities for low-income residents and creating better transportation access to those jobs and other economic opportunities by partnering with federal and nonprofit agencies, private industry, and planning and economic development organizations and by leveraging federal and private resources.
1D	**Strengthen the Nation's Housing Market to Bolster the Economy and Protect Consumers** (1D) Establish an accountable and sustainable housing finance system.		2a	**Sustainability** (2a) Promote and preserve community assets including small businesses, fresh food markets, parks, hospitals, and quality schools by incentivizing comprehensive and inclusive local economic development planning.
2A	**Meet the Need for Quality Affordable Rental Homes** (2A) End homelessness and substantially reduce the number of families and individuals with severe housing needs.		2b	**Sustainability** (2b) Give consumers more information about the true cost of living by incorporating both housing and transportation costs into measures of affordability.
2B	**Meet the Need for Quality Affordable Rental Homes** (2B) Expand the supply of affordable rental homes where most needed.		2c	**Sustainability** (2c) Improve residents' health and safety, particularly that of children and other vulnerable populations, by promoting green and healthy design, construction, rehabilitation, and maintenance of housing and communities.
2C	**Meet the Need for Quality Affordable Rental Homes** (2C) Preserve the affordability and improve the quality of federally assisted and private unassisted affordable rental homes.		2d	**Sustainability** (2d) Support and promote an energy-efficient, green, and healthy housing market by retrofitting existing housing, supporting energy-efficient new construction, improving home energy labeling, and promoting financing products that reduce the carbon footprint of non-HUD-supported residential buildings.
2D	**Meet the Need for Quality Affordable Rental Homes** (2D) Expand families' choices of affordable rental homes located in a broad range of communities.		2e	**Sustainability** (2e) Reduce energy consumption and incorporate green building practices in the design and operation of HUD-supported affordable housing.
3A	**Utilize Housing as a Platform for Improving Quality of Life** (3A) Utilize HUD assistance to improve educational outcomes and early learning and development.		2f	**Sustainability** (2f) Promote coordinated planning, integrating federal resources, and targeting technical assistance at the local, state, and regional levels for sustainable housing and communities.
3B	**Utilize Housing as a Platform for Improving Quality of Life** (3B) Utilize HUD assistance to improve health outcomes.		2g	**Sustainability** (2g) Promote the design and construction of buildings and communities that are accessible and visitable by people with disabilities.
3C	**Utilize Housing as a Platform for Improving Quality of Life** (3C) Utilize HUD assistance to increase economic security and self-sufficiency.		2h	**Sustainability** (2h) Promote the use of climate-resilient and disaster-resistant building design, construction and siting.
3D	**Utilize Housing as a Platform for Improving Quality of Life** (3D) Utilize HUD assistance to improve housing stability through supportive services for vulnerable populations including the elderly, people with disabilities, homeless people, and those individuals and families at risk of becoming homeless.		2i	**Sustainability** (2i) Encourage metropolitan and regional focus in planning and community development.
3E	**Utilize Housing as a Platform for Improving Quality of Life** (3E) Utilize HUD assistance to improve public safety.		3a	**Affirmatively Furthering Fair Housing** (3a) Regional coordination of affirmatively furthering fair housing plans, including such activities as developing regional analyses of impediments.
4A	**Build Inclusive and Sustainable Communities Free from Discrimination** (4A) Catalyze economic development and job creation, while enhancing and preserving community assets.		3b	**Affirmatively Furthering Fair Housing** (3b) Regional strategies to reduce racially segregated living patterns and other effects of formely de jure segregated public or assisted housing in metropolitan areas with a year 2000 dissimilarity index of 70 or higher and where the minority population is at least 20,000 or 3 percent of the total population in the Core Based Statistical Area (CBSA), whichever is greater.
4B	**Build Inclusive and Sustainable Communities Free from Discrimination** (4B) Promote energy efficient buildings and location efficient communities that are healthy, affordable and diverse.		3c	**Affirmatively Furthering Fair Housing** (3c) Decreasing the concentration of poverty and racial segregation in neighborhoods and communities through strategic targeting of resources.
4C	**Build Inclusive and Sustainable Communities Free from Discrimination** (4C) Ensure open, diverse, and equitable communities.		3d	**Affirmatively Furthering Fair Housing** (3d) Promoting visitability for persons with disabilities in single-family housing.
4D	**Build Inclusive and Sustainable Communities Free from Discrimination** (4D) Facilitate disaster preparedness, recovery and resiliency.		4a	**Capacity Building and Knowledge Sharing** (4a) Develop, target and deliver technical assistance for increasing affordability in areas experiencing increased rental costs due to development.
4E	**Build Inclusive and Sustainable Communities Free from Discrimination** (4E) Build the capacity of local, state and regional public and private organizations.		4b	**Capacity Building and Knowledge Sharing** (4b) Strengthen the capacity of state and local partners, including governments and nonprofit organizations, to implement HUD programs, participate in decision making and planning processes, and coordinate on cross-programmatic, place-based approaches through grantmaking and technical assistance.
5A	**Transform the Way HUD Does Business** (5A) Build Capacity: Create a flexible and high performing learning organization with a motivated, skilled workforce.		4c	**Capacity Building and Knowledge Sharing** (4c) Support knowledge sharing and innovation by disseminating best practices, encouraging peer learning, publishing data analysis and research, and helping to incubate and test new ideas.
5B	**Transform the Way HUD Does Business** (5B) Focus on Results: Create an empowered organization that is customer-centered, place based, collaborative, and responsive to employee feedback and focused on results.		5a	**Using Housing as a Platform for Improving Other Outcomes** (5a) Increasing access to high quality early learning programs and services through coordination with local programs.

5C	**Transform the Way HUD Does Business** (5C) Bureaucracy Busting: Create flexible, modern rules and systems that promote responsiveness, openness and transparency.		5b	**Using Housing as a Platform for Improving Other Outcomes** (5b) Providing physical space to co-locate healthcare and wellness services with housing (e.g., on-site health clinics).
5D	**Transform the Way HUD Does Business** (5D) Culture Change: Create a healthy, open, flexible work environment that reflects the values of HUD's mission.		5c	**Using Housing as a Platform for Improving Other Outcomes** (5c) Increasing access to public benefits (such as Temporary Assistance to Needy Families and Supplemental Security Income) through outreach and other means.
			5d	**Using Housing as a Platform for Improving Other Outcomes** (5d) Maintaining or improving the physical environment and design of HUD-assisted residences, giving attention to physical safety and crime prevention.
			5e	**Using Housing as a Platform for Improving Other Outcomes** (5e) Providing mobility counseling to increase access to neighborhoods of opportunity.
			6a	**Expand Cross-Cutting Policy Knowledge (6a)** Support knowledge sharing and innovation by disseminating best practices, encouraging peer learning, publishing data analysis and research, and helping to incubate and test new ideas.

CAMP eLogic Model®

Column 2
NEEDS
There is a need for more efficient, effective and less costly methods to evaluate (test for, identify) and control (mitigate) lead-based paint hazards.

CAMP eLogic Model®	*Click here to allow deletion of 'New' Activities*
Column 3	
SERVICES/ACTIVITIES	**UNITS**
Business Opportunities-Other-Green-Businesses |Businesses	Businesses
Business Opportunities-Other-Green-Dollars |Dollars	Dollars
Business Opportunities-Section 3-Green Businesses |Businesses	Businesses
Business Opportunities-Section 3-Green-Dollars |Dollars	Dollars
Employment Opportunities-Other-Green-Jobs created |FTE Jobs	FTE Jobs
Employment Opportunities-Other-Green-Jobs retained |FTE Jobs	FTE Jobs
Employment Opportunities-Section 3-Green-Jobs created |FTE Jobs	FTE Jobs
Employment Opportunities-Section 3-Green-Jobs retained |FTE Jobs	FTE Jobs
Employment Opportunities-Section 3-Persons placed |Persons	Persons
Housing-Housing assessments-Healthy homes |Assessments	Assessments
Housing-Housing assessments-Healthy homes-Incorporate Green standards |Assessments	Assessments
Housing-Housing interventions completed-Healthy homes |Units	Units
Housing-Housing interventions completed-Lead |Units	Units
Housing-Housing interventions incorporate energy efficiency measures |Units	Units
Outreach-Community participant's meetings for input/feedback-Meetings |Meetings	Meetings
Outreach-Community participants' meetings for input/feedback -Participants |Participants	Participants
Outreach-Outreach and education-Participants |Participants	Participants
Outreach-Outreach and education-Sessions |Sessions	Sessions
Research-Development on efficacy of methods for integrated pest management |Evaluations	Evaluations
Research-Development on evaluating contaminant or injury control measures |Evaluations	Evaluations
Research-Development on assessing impacts of green practices on indoor environmental quality or health |Evaluations	Evaluations
Policy Priority-Capacity Building and Information Sharing-Development of a plan to disseminate program results and effective practices |Date	Date
Policy Priority-Capacity Building and Information Sharing-Presentation of program results at an academic and/or professional conference |Presentation	Presentation
Policy Priority-Housing to Improve Other Outcomes-Creation of tools or protocols to improve health outcomes in target populations |Tools/protocols	Tools/protocols
Policy Priority-Partner organizations commit to applying findings to improve health outcomes in their populations |Commitments	Commitments
Research-Scientific manuscript submitted to HUD |Manuscript	Manuscript
Training Opportunities-Green Other-Sessions |Sessions	Sessions
Training Opportunities-Green Section 3-Persons |Persons	Persons
Training Opportunities-Green Section 3-Sessions |Sessions	Sessions
Training-Staff trained |Staff trained	Staff trained
Other |Other	

CAMP eLogic Model®	*Click here to allow deletion of 'New' Outcomes*
Column 5	
OUTCOMES	**UNITS**
Health-Reduction in housing related health hazards-Improved health |Persons	Persons
Health-Reduction in housing related health hazards-Improved safety |Avg. Hazard Score	Avg. Hazard Score
Health-Reduction in housing related health hazards-Reduced air contaminants-Total VOCs |Avg. Concentration	Avg. Concentration
Health-Reduction in housing related health hazards-Reduced allergens-Cockroach-Load |Avg. Floor Loading	Avg. Floor Loading
Health-Reduction in housing related health hazards-Reduced allergens-Cockroach-Conc |Avg. Concentration	Avg. Concentration
Health-Reduction in housing related health hazards-Reduced allergens-Cockroach-Other |Avg. Other	Avg. Other
Health-Reduction in housing related health hazards-Reduced allergens-Dust mite-Load |Avg. Floor Loading	Avg. Floor Loading
Health-Reduction in housing related health hazards-Reduced allergens-Dust mite-Conc |Avg. Concentration	Avg. Concentration
Health-Reduction in housing related health hazards-Reduced allergens-Dust mite-Other |Avg. Other	Avg. Other
Health-Reduction in housing related health hazards-Reduced allergens-Mice-Load |Avg. Floor Loading	Avg. Floor Loading
Health-Reduction in housing related health hazards-Reduced allergens-Mice-Conc |Avg. Concentration	Avg. Concentration
Health-Reduction in housing related health hazards-Reduced allergens-Mice-Other |Avg. Other	Avg. Other
Health-Reduction in housing related health hazards-Reduced allergens-Mold-Load |Avg. Floor Loading	Avg. Floor Loading
Health-Reduction in housing related health hazards-Reduced allergens-Mold-Conc |Avg. Concentration	Avg. Concentration
Health-Reduction in housing related health hazards-Reduced allergens-Mold-CFU/m3 |Avg. CFU/m3	Avg. CFU/m^3
Health-Reduction in housing related health hazards-Reduced allergens-Mold-Other |Avg. Other	Avg. Other
Health-Reduction in housing related health hazards-Reduced allergens-Other-Load |Avg. Floor Loading	Avg. Floor Loading
Health-Reduction in housing related health hazards-Reduced allergens-Other-Conc |Avg. Concentration	Avg. Concentration
Health-Reduction in housing related health hazards-Reduced allergens-Other-Other |Avg. Other	Avg. Other
Health-Reduction in housing related health hazards-Reduced allergens-Rat-Load |Avg. Floor Loading	Avg. Floor Loading
Health-Reduction in housing related health hazards-Reduced allergens-Rat-Conc |Avg. Concentration	Avg. Concentration
Health-Reduction in housing related health hazards-Reduced allergens-Rat-Other |Avg. Other	Avg. Other
Health-Reduction in housing related health hazards-Reduced respirable particulates |Avg. Concentration	Avg. Concentration
Health-Reduction in housing related lead hazards-Persons |Persons	Persons

Health-Reduction in housing related lead hazards-Reduced Pb-Change above EPA standard-Floor dust |% above standard	% above standard
Health-Reduction in housing related lead hazards-Reduced Pb-Change above EPA standard-sill dust |% above standard	% above standard
Health-Reduction in housing related lead hazards-Reduced Pb-Change above EPA standard-average soil |% above standard	% above standard
Health-Reduction-Incidence/severity-Asthma exacerbation |Physician visits	Physician visits
Health-Reduction-incidence/severity-Asthma-Emergency Room (ER) visits |ER visits	ER visits
Health-Reduction-Incidence/severity-Asthma-Hospitalization days |Hospitalization days	Hospitalization days
Health-Reduction-Incidence/severity-Asthma-Other |Other	Other
Health-Reduction-Incidence/severity-Asthma-Sick days |Sick days	Sick days
Health-Reduction-Incidence/severity-Asthma-Symptom days |Symptom days	Symptom days
Research-Data analysis completed |Completed	Completed
Research-Final project report |Accepted	Accepted
Research-Hazard assessment method developed-Other |Other	Other
Research-Hazard assessment method developed-Reduced cost |Dollars	Dollars
Research-Hazard assessment method developed-Reduced time |Hours	Hours
Research-Hazard intervention protocols developed-Other |Other	Other
Research-Hazard intervention protocols developed-Reduced cost |Dollars	Dollars
Research-Hazard intervention protocols developed-Reduced time |Hours	Hours
Research-New technologies developed |Technology	Technology
Research-New/Improved assessment tool-Housing health hazards |Tools	Tools
Research-New/improved technologies developed-Reduced cost |Dollars	Dollars
Research-New/Improved technologies developed-Reduced time |Reduced hours	Reduced hours
Research-New/Improved technologies-Precision/accuracy-% change in coefficient of variation |% change	% change
Research-Assessments of efficacy of methods for Integrated Pest Management |Assessments	Assessments
Research-Assessments of contaminant or injury control measures |Assessments	Assessments
Research-Assessments of impacts of green practices on indoor environmental quality or health |Assessments	Assessments
Policy Priority-Capacity Building and Knowledge Sharing-Dissemination of program results and effective practices |Date	Date
Policy Priority-Capacity Building and Knowledge Sharing-Presentation(s) of program results at an academic and/or professional conference |Presentation(s)	Presentation(s)
Policy Priority-Capacity Building and Knowledge Sharing-Use of tools or protocols that improve health outcomes in target populations |Tools/protocols	Tools/protocols
Policy Priority-Capacity Building and Knowledge Sharing-Partner organizations implement findings to improve health outcomes in populations they serve |Implementations	Implementations
Policy Priority-Capacity Building and Knowledge Sharing-Number of Partner Organizations implementing at least one new activity as a result of the research |Partners	Partners
Research-Submitted manuscript(s) accepted by HUD |Manuscript Accepted Date	Manuscript Accepted Date

Research-Submitted manuscript(s) for publication |Manuscript Submitted Date	Manuscript Submitted
Research-Submitted manuscript(s) published |Manuscript Published Date	Manuscript Published
Other |Other	

CAMP eLogic Model®
A. Tools For Measurement
Bank accounts
Construction log
Database
Enforcement log
Financial aid log
Intake log
Interviews
Mgt. Info. System-automated
Mgt. Info. System-manual
Outcome scale(s)
Phone log
Plans
Pre-post tests
Post tests
Program specific form(s)
Questionnaire
Recruitment log
Survey
Technical assistance log
Time sheets
B. Where Data Maintained
Agency database
Centralized database
Individual case records
Local precinct
Public database
School
Specialized database
Tax Assessor database
Training center
C. Source of Data
Audit report
Business licenses
Certificate of Occupancy
Code violation reports
Counseling reports
Employment records
Engineering reports
Environmental reports
Escrow accounts
Financial reports
GED certification/diploma
Health records
HMIS
Inspection results
Lease agreements
Legal documents
Loan monitoring reports
Mortgage documents
Payment vouchers
Permits issued
Placements
Progress reports
Referrals
Sale documents
Site reports
Statistics
Tax assessments
Testing results
Waiting lists
Work plan reports
D. Frequency of Collection
Daily
Weekly
Monthly
Quarterly
Biannually
Annually
Upon incident
E. Processing of Data
Computer spreadsheets
Flat file database
Manual tallies
Relational database
Statistical database

Carter-Richmond Methodology

The Management Questions developed for your program are based on the Carter-Richmond Methodology.* A description of the Carter-Richmond Methodology appears in the General Section of the NOFA.

* © The Accountable Agency – How to Evaluate the Effectiveness of Public and Private Programs," Reginald Carter, ISBN Number 9780978724924

Evaluation Process
An evaluation process will be part of the on-going management of the program.

The following are standard requirements that HUD expects of every program manager as part of their project management.

• Comparisons will be made between projected and actual numbers for both outputs and outcomes.
• Deviations from projected outputs and outcomes will be documented and explained on space provided on the "Reporting" Tab.
• Analyze data to determine relationship of outputs to outcomes; what outputs produce which outcomes.

The reporting requirements are specified in the program specific NOFA and your funding award.

HUD Will Use The Following Management Questions To Evaluate Your Program:

Response to Management Questions

	(Use the fields below to provide three to five answers to the questions listed)	Measure	Answer
1A.	Briefly describe the specific problem addressed in your research.	A. Problem Addressed	
1B.	Briefly describe the specific problem addressed in your research.	B. Problem Addressed	
1C	Briefly describe the specific problem addressed in your research.	C. Problem Addressed	
1D	Briefly describe the specific problem addressed in your research.	D. Problem Addressed	
1E	Briefly describe the specific problem addressed in your research.	E. Problem Addressed	
2A	What method(s) were used to address the problem identified in response to 1A.?	Method	
2B	What method(s) were used to address the problem identified in response to 1B.?	Method	
2C	What method(s) were used to address the problem identified in response to 1C.?	Method	
2D	What method(s) were used to address the problem identified in response to 1D.?	Method	
2E	What method(s) were used to address the problem identified in response to 1E.?	Method	
3	Briefly identify the target population for the research	Population	
4	What conclusions can be drawn as a result of the application of your research on lead hazard control practices with regard to evaluation and/or mitigation? (250 word maximum)	Conclusion	

In the fields below identify 3-5 major findings of your research. To the extent possible, please relate your findings to the problems and methods identified previously			
5A	Major Finding From Your Research	A. Finding	
5B	Major Finding From Your Research	B. Finding	
5C	Major Finding From Your Research	C. Finding	
5D	Major Finding From Your Research	D. Finding	
5E	Major Finding From Your Research	E. Finding	
6	Policy Priority- Using the field to the right in column D-H, identify how and where you disseminated information on program results and effective practices resulting from the research. In the cells below provide the dates of manuscripts submitted, conferences or symposiums where you presneted your research	Discription on how and where you disseminated information	
6A	Journals (Submitted manuscript(s) for publication):	Date	
6B	Journals (Submitted manuscript(s) for publication):	Date	
6C	Conferences/Symposiums (Submitted platform/poster presentation(s) for publication):	Date	
6D	Conferences/Symposiums (Submitted platform/poster presentation(s) for publication):	Date	
7A	Policy Priority-Identify partner organization which will (have) implement(ed) findings to improve health outcomes in populations they serve resulting from the research.	Partner organization name:	
7a	**Please describe the population this organization is serving in cells D-H.**	Population	
7a1	How many persons receiving services are under the age of 6?	Persons	
7a2	How many persons receiving services are ages 6-17?	Persons	
7a3	How many persons receiving services are ages 18-30?	Persons	
7a4	How many persons receiving services are ages 31-50?	Persons	
7a5	How many persons receiving services are ages 51-61?	Persons	
7a6	How many persons receiving services are ages 62 and older?	Persons	
7B	Policy Priority-Identify partner organization which will (have) implement(ed) findings to improve health outcomes in populations they serve resulting from the research.	Partner organization name:	
7b	**Please describe the population this organization is serving?**	Population	
7b1	How many persons receiving services are under the age of 6?	Persons	
7b2	How many persons receiving services are ages 6-17?	Persons	
7b3	How many persons receiving services are ages 18-30?	Persons	
7b4	How many persons receiving services are ages 31-50?	Persons	
7b5	How many persons receiving services are ages 51-61?	Persons	
7b6	How many persons receiving services are ages 62 and older?	Persons	
7C	Policy Priority-Identify partner organization which will (have) implement(ed) findings to improve health outcomes in populations they serve resulting from the research.	Partner organization name:	
7c	**Please describe the population this organization is serving?**	Population	
7c1	How many persons receiving services are under the age of 6?	Persons	
7c2	How many persons receiving services are ages 6-17?	Persons	
7c3	How many persons receiving services are ages 18-30?	Persons	
7c4	How many persons receiving services are ages 31-50?	Persons	
7c5	How many persons receiving services are ages 51-61?	Persons	
7c6	How many persons receiving services are ages 62 and older?	Persons	
7D	Policy Priority-Identify partner organizations which will (have) implement(ed) findings to improve health outcomes in populations they serve resulting from the research. (Add further entries if needed.)	Partner organization name:	

7d	**Please describe the population this organization is serving?**	Population	
7d1	How many persons receiving services are under the age of 6?	Persons	
7d2	How many persons receiving services are ages 6-17?	Persons	
7d3	How many persons receiving services are ages 18-30?	Persons	
7d4	How many persons receiving services are ages 31-50?	Persons	
7d5	How many persons receiving services are ages 51-61?	Persons	
7d6	How many persons receiving services are ages 62 and older?	Persons	
7E	Policy Priority-Identify partner organizations which will (have) implement(ed) findings to improve health outcomes in populations they serve resulting from the research. (Add further entries if needed.)	Partner organization name:	
7e	**Please describe the population this organization is serving?**	Population	
7.00E+01	How many persons receiving services are under the age of 6?	Persons	
7.00E+02	How many persons receiving services are ages 6-17?	Persons	
7b	How many persons receiving services are ages 18-30?	Persons	
7b	How many persons receiving services are ages 31-50?	Persons	
7b	How many persons receiving services are ages 51-61?	Persons	
7b	How many persons receiving services are ages 62 and older?	Persons	

Explanation of Any Deviations From the Approved eLogic Model®