

# City of Durham Neighborhood Energy Retrofit Program

Data Management

*Aaron Milano*



# Durham Energy Retrofit Program

*providing replicable climate mitigation programs for other communities*

- Program funded by ARRA & EPA CSC
- Over 700 participants
- Over 100 volunteers (4,000+ hours)
- Reports to Funders, Management, etc.
- Over 100 workshops in past year
- Measurement & Verification
- Cases/Issues
- Progress Tracking
- Inspections
- GHG Reduction Target for community is to reduce emissions 30% reduction from 2005 levels by 2030

Lots of Data...

# Many Partners

- City of Durham
  - Community Development
  - Neighborhood Improvement Services
  - Inspections
- Durham County
- Clean Energy Durham
- Advanced Energy
- Temp Staff

Lots of People...

**Lots of Data + Lots of People =  
Lots of Confusion**

Microsoft Access 2007 (Read-Only) - CEDNERP Database 4-25-2011 (2) - Database (Access 2007) (Read-Only) - Microsoft Access

Security Warning: Certain content in the database has been disabled. Options...

Read-Only: This database has been opened read-only. You can only change data in linked tables. To make design changes, save a copy of the database. Save As ...

House_ID	City Follow I	Nerp#	Contractor n	Address	Zipcode	HomePhone	PSNC Form?	PSNC#	Other Energ	Type of Form	Duke Energy Form?	Agreement?	PreSurveyForm?	PostSurveyFo
36							Yes							
33		CV001		2413 Banner Street	27704-	(919) 323-5485	Not Required							
34		CV002		2419 Banner Street	27704-	(910) 352-0019	Not Required							
35		CV003		2501 Banner Street	27704-	(919) 452-4200	Yes	3-2100-5773-50						
36		CV004		605 Bon Air Avenue	27704-	(805) 698-8132	Yes	1-2100-7869-19						

Google docs NERP DOE Status Sheet Private to me + 10 more Updated 40 days ago by aaron.milano Saved

File Edit View Insert Format Data Tools Help

Formula: =

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Address	Status	Name	Phone	Phone 2	Tobin/Aaron Call Date	Assessment Received	AE Call Date	Pre-test Date	Combust Test	Post-test Date	Post test Results	Contract EECBG-R3-	LDO#	RI	Rf	Insul (cf)	Air Seal (sf)	Duc Sea (sf)	
ED-001 2015 Angier	Rejected				-	28-Jan					0	A	1190065-ER						
ED-005 315 S. Benjamin Street	Complete	Stanley Holding	919.596.6556		3/7/2011	13-Jan	3/16/2011	3/18/2011	Pass	4/6/2011	Pass	A	1190013-ER	5	38	953	1204	120	
ED-006 501 Bingham	Rejected				-	28-Jan						A	1190066-ER						
ED-007 310 N. Briggs Avenue	Complete	Reginald Jones	919.451.8450		-	13-Jan	-	-	-	-	-	A	1190014-ER	8	38	917	1000	100	
ED-008 314 N. Briggs Avenue	Complete	Reginald Jones	919.451.8450		-	13-Jan	-	-	-	-	-	A	1190015-ER	8	38	917	1000	100	
ED-009 6 Candler Place	Complete	Yvonne Pratt			-	13-Jan						A	1190016-ER	30	38	260	1040	104	
						27-Apr						A		27	38	450	1800	180	
						3-Jan						A	1190001-ER						
						13-Jan						A	1190017-ER	9	38	1000	1200	120	
						3-Jan			Disquali			A	1190002-ER						
						3/7/2011	13-Jan	3/16/2011	3/18/2011	3/24/2011	Pass	4/11/2011	Pass	A	1190018-ER	11	38	732	924

ACS

### City/County of Durham, NC – LDO Implementation Change Control Form

Title: Add "Other" Building Permit Type for Energy Efficiency Upgrades ID No: 101

Date Created: 08/05/10

Originator: Debbie Spencer-Bond Organization: ACS

Proposed Change Description:  
The Building Inspections Department with the City/County of Durham has requested that ACS implement the following modifications to the existing LDO system:

- Add an "Other" Building permit type for processing the energy efficiency upgrades to exist. This permit type will have limited functionality and will not be included in LDO Web, IVR, There will not be any Plans/Docs, Approvals, Fees, or Workflows for this permit type. The one inspection type (Final Inspection) and an associated re-inspection if the initial inspection purpose of this new permit type is primarily to have a place to record the permit information for the energy efficiency upgrades.

Affected Requirements:  
N/A

Impact on Cost:  
\$3,600

Case No. [ ]

Staff ID [ ]

Complaint/Violation Date [ ]

Complaint Status [ ]

Status Date [ ]

Physical Address [ ]

Property Description [ ]

Description of [ ]

Complaint/Violation [ ]

Measures to [ ]

Correct Violation [ ]

Code Violation Type [ ]

Primary Department [ ]

Complaint Mode [ ]

Compliance Period [ ]

Period Type [ ]

Owner = Violator

Complaint Anonimous

Not Associated With Address

Complaint From Web

Violation Issuance Date [ ]

NOV Certified Mail Sent Date [ ]

NOV Hand Delivery Date [ ]

NOV Regular Mail Sent Date [ ]

NOV Received Date [ ]

NOV Posted on Property Date [ ]

Tentative Court Date [ ]

Citation Issued Date [ ]

Citation Issued Date [ ]

Citation Issued Date [ ]

Get My Active Cases

--- NIS ---

NIS No Violation

Comments Exist

Occupancy

Owner

Renter

Vacant Home

Violator Unknown

Internal Ext. Granted

Parcel Data

Historic Landmark  Historic District  City Limits  County Limits

Survey-Dat...  
HouseData...  
report-07-0...  
report-07-0...  
NIS Schedule for CO tes...  
Report for PAGE Q2 - ...

# Our Solution

- Web-based database
- Remotely accessible by all project team
- Clean, easy to understand data
- Automated reports
- Automated processes

[www.LongJump.com/database](http://www.LongJump.com/database)

Edit Clone Print Delete

Customize this Form

NERP Data: WH069

Show Relay Follow Tags: none

Participant Information Assessment-Retrofit Information House Data Door To Door Energy Use Survey Data Cost-share Testimonials Record Information

Participant Information

First Name	William and Anne	Email Address	moscripa@yahoo.com
Last Name	Moscrip	Home Phone	(919) 475-0795
Address	1211 Virginia Ave	Mobile Phone	(919) 475-0795
Zip Code	27705	Work Phone	
Neighborhood	Watts Hillandale	Nerp #	WH069

Related Information

Cases Notes and Attachments Open Activities Activity History CAZ Tests Cost Share NERP Data

Cases [New Record](#) Custom

Case ID	Case Subject	Status	Assigned To	Created By	Date Created
---------	--------------	--------	-------------	------------	--------------

Save Save & New Cancel

New Cost Share

Basic Information

Nerp ID Number	<input type="text"/>	Nerp ID Number First Name	<input type="text"/>
Cost-share amount	<input type="text"/>	Nerp ID Number Last Name	<input type="text"/>
Purpose	<input type="text"/>	Nerp ID Number Address	<input type="text"/>
Expenditure Date	<input type="text"/>	Nerp ID Number Neighborhood	<input type="text"/>
Attached Receipt	<input type="button" value="Choose File"/> No file chosen		

NERP Data: WH069

Participant Information Assessment-Retrofit Information House Data Door To Door Energy Use Survey Data Cost-share Testimonials Record Information

Survey Data

Survey Id	InsHW_Htr Tank	No
Pre_Post	ProgrmTherm	No
Survey Date	CaulkAirLeaks	No
#Occupants	Out/Swtch_Gask	No
Variable Occupancy	Mthly Air Filters	No
Knowledge	Clean Dryer Hose	No
Changes?	Installed CFLs	No
#CFLs Installed	Unplug App	No
Low Flow Aerator	Low HW_Htr Temp	No
Ins HW Pipes	Weather Strp Door	No
Plastic Ins	Ref Coils	No
Cold Water Laundry	E_Star Appliance	No
Appliance Type	Clothesline	No
Other Change	Programmed	No
Adjustment Frequency	S Day Temp	No
S Night Temp	W Day Temp	No
W Night Temp	Track	No
Learn 2 Track	Track Method	No
Other Track Method	BehavChange	No
Cooking&Plug_Ins	Heating & Cooling	No
Lighting	Refrigeration	No
Hot Water Heating	ET Wkshp Days	No
Interested in DIY Wkshp	DIY Wkshp Days	No
NERP Effective	House Changes	No
Host Meetings	Make Phone Calls	No
Be Trained to Teach	Track Vol List	No
Write Articles for Newsletter	Help Organize Events	No
Summarize Energy Use Data	Provide Refreshments	No
Meetings	Other Ways to Vol	No
Recommend Name	Recommend Address	No
Recommend Phone#	Recommend Email	No

Related Information



CAZ Tests:

CAZ Test Information

Nerp ID No	TL030	Nerp ID No CO Testing Required
Technician Organization	City - DCD	Nerp ID No Equipment Needing CO Testing
Technician Name	Aaron Milano	
Test Type (Pre/Post Retrofit)	Pre-Retrofit	
CAZ Test Date	07/18/2011	
CAZ Test Time	09:30 AM	

House Data

Nerp ID No First Name	Kim	Nerp ID No Last Name	Dupre
Nerp ID No Neighborhood	TLL/Lakewood	Nerp ID No Home Phone	730-4512
Nerp ID No Address	2101 Chapel Hill Rd.	Nerp ID No Mobile Phone	
		Nerp ID No Email Address	welville1111@yahoo.com

CAZ Results

Equipment Tested	<input checked="" type="checkbox"/> Gas Line Inspection <input checked="" type="checkbox"/> Gas Pack <input type="checkbox"/> Furnace (non-gas pack) <input type="checkbox"/> Water Heater <input type="checkbox"/> Other
CAZ Test Results	Fail
Field Notes	Home had 2 gas pack units. Not all of gas line was accessible for testing.
Attached CAZ Report	<input type="button" value="Choose File"/> No file chosen



[INSIDE CITY HALL](#)

[CITY SERVICES](#)

[LIVE](#)

[WORK](#)

[PLAY](#)

[GETTING AROUND](#)

[ABOUT DURHAM](#)

[of Durham](#) / [Inside City Hall](#) / [Office of the City Manager](#) / [Sustainability](#) / [NERP-and-HESP-Assessment-Scheduler1110-7818](#)

- [Administrative and Support](#)
- [City Services Department](#)
- [City Council](#)
- [City Spotlight](#)
- [Community Building](#)
- [Office of Public Affairs](#)
- [Office of the City Attorney](#)
- [Office of the City Clerk](#)
- [Office of the City Manager](#)
- [Office of the Mayor](#)
- [Operations](#)

**Tools You Can Use**

Select tool from list...

**Compare to Sister Cities**

Select site from list...

**City Departments**

Select department...

**Did Like To**

Select task...

Use the form below to schedule your initial site assessment for the Neighborhood Energy Retrofit Program and Home Energy Savings Program.

If you have any questions or require additional assistance, contact Aaron Milano.

Reference #	<input type="text"/>
First Name	<input type="text"/>
Last Name	<input type="text"/>
Address	<input type="text"/>
E-mail Address	<input type="text"/>
Best Number to Reach You	<input type="text"/>
Date 1	<input type="text" value="09/19/2011"/> <input type="button" value="calendar"/>
Time 1	<input type="text"/> <input type="button" value="v"/>
Date 2	<input type="text" value="09/26/2011"/> <input type="button" value="calendar"/>
Time 2	<input type="text"/> <input type="button" value="v"/>
Date 3	<input type="text" value="10/03/2011"/> <input type="button" value="calendar"/>
Time 3	<input type="text"/> <input type="button" value="v"/>
Questions/Comments	<input type="text" value="List any dogs, restricted access, etc."/>



- [Sustainability Home](#)
- [Home Energy Savings Program \(now accepting applications\)](#)
- [Environmental Initiatives](#)
- [Documents and Policies](#)
- [Community](#)
- [Events](#)
- [Grant Projects](#)
- [Greenhouse Gas Emissions](#)
- [Neighborhood Energy Retrofit Program \(no longer accepting applications\)](#)

**Contact the Sustainability Office:**

**Tobin L. Freid**  
City-County Sustainability Manager  
120 E. Parrish St.  
1st Floor

[Home](#) | [Projects](#) | [Contacts](#) | [Accounts](#) | [My Applications](#)

**Sales Force Automation**  
 Home | [Projects](#) | [Contacts](#) | [Accounts](#)

Great job, Everyone!

**Workspace**  
 Projects  
 Accounts  
 Contacts  
 Opportunities  
 Documents  
 Calendar  
 Campaigns  
 Reports  
 All Items  
 Create New Object

Search: All

**Open Opportunities by Owner**

Owner	Opportunity Name	Amount
Frank Adams	Project Adams	\$1,200,000
Patricia H.	Project H	\$1,000,000
Mike Miller	Project Miller	\$200,000
Mike Lopez	Project Lopez	\$800,000
John Harrison	Project Harrison	\$1,500,000
Earl Taylor	Project Taylor	\$100,000

**My Open Projects**

Lead Status	Company Name	Primary Contact	Primary Contact Email	Primary Contact Phone
Contacted	Robot Dynamics	Sam Nard	sn@robot.com	344-237-2142
Open	BETA			
Qualified				

**ETB Queue Tasks**

Overview Tasks

**View Summary**

Open Opportunities for Me

Opportunity Name	Next Action	Professional Services	Summer Ad Bus	Rate	Account	Created	Updated	Commission
Robot Dynamics	Next Action	Professional Services	Summer Ad Bus	\$5.00	QualForm	09/15/2008		10.00%



Search

NERP Data

Go

Advanced Search

Workspace

NERP Data

CAZ Tests

Retrofit Inspections

Assessment Scheduler

DOE EECBG Financials

Signs

Reports

All Items

Create New

tracker

Add Widget

Page : Application Home Page

Aaron's Open Cases

	Nerp ID No	Case Subject	Description	Date Created	Created By
	<a href="#">HESP017</a>	John fell through ceiling	ceiling was rotting. mark recommended HO contact insurance for wind damage	11/16/2011	<a href="#">Aaron Milano</a>
	<a href="#">ED052</a>	Thermostat not installed	Ok...I have a question...who can I contact to help me with programming my new thermostat because, its not working properly for me....	11/01/2011	<a href="#">Aaron Milano</a>
	<a href="#">ED050</a>	No payment received	No payment received	10/11/2011	<a href="#">Aaron Milano</a>

Status Overview

Status: [Assessed \(Pending Approval\)](#) (20 Records)

Status: [Assessed; pending CO test](#) (2 Records)

Status: [Assessment Scheduled](#) (13 Records)

Status: [In Progress](#) (7 Records)

Status: [Pending Repair/Replacement](#) (11 Records)

Status: [Pending Retrofit](#) (28 Records)

**Report Summary** (81 Records)

# Complete

Status: [Unspecified](#) (59 Records)

Status: [Complete](#) (365 Records)

Status: [No Progress](#) (39 Records)

Unassigned Web Form CAZ tests

Record ID	Modified By

Homes Assessed Pending CO Test

Nerp#	Assessment Date	First Name	Last
<b>Contractor: Heaton Construction (2 Records)</b>			
	ED039	01/21/2011	Willie Boy
	HESPG524	10/07/2011	Jenny Nich
<b>Report Summary (2 Records)</b>			



Retrofit Tracker

Navigation arrows

**Aaron Milano**

*Energy Program Specialist*

*Department of Community Development*

City of Durham

[Aaron.Milano@DurhamNC.gov](mailto:Aaron.Milano@DurhamNC.gov)

T: 919-560-4570 Ext. 22231

[www.greenerdurham.net](http://www.greenerdurham.net)

