OVERVIEW

Case # *	Name of A	Auditor *	Date of Audit *
required fields	<u> </u>		
Can the audit be completed? *	Yes	No (If no, please select one)	
		Moved No Show in Field Health & Safety (mus Health & Safety reason	No Response Contractor Safety t also complete Health & Safety Findings Form) ->
Are combustion devices present in the home?	n Yes	No	
Will the job type remain the same	? Yes	No	·**
		reason *-> ☐ Home doesn't have mo ☐ Home doesn't need Fu	alled through other Wx program
		Job type is currently B reason * -> Home has > 50% install De facto heat High cooling usage	aseload; should be Full Cost
		Think this job is Low Cost? Continushould be changed to a Low Cost j section.	e completing the assessment form even if you think this job ob type. More details will be covered in the water heating
Has the water heating section been completed?	Yes	No	
Job type is now Low Cost; should be Full Cost			

			1			
5	List reasons for electric usage:	#1*		•		
		# 2				optiona
		# 3				optiona
6	What is the approximate heated square footage of the home? *		Sq. Ft.			
7	Is job done in conjunction with another Wx program?	Yes	No	,		
	Type of weatherization program: *					
	☐ DCED WAP ☐ CRISES ☐ Gas Utility Wx ☐ County Wx		*			
3	Name of weatherization contractor company		,			
€	Projected or completed weatherization date		(future or past dates accep	ptable; optional)		
0	Referrals to other programs		(check all that apply)			
			□ DCED WAP	□ CRISES	☐ Gas Utility Wx	
			☐ County Wx	□ LIHEAP	□ OnTrack	
			☐ Operation HELP	☐ Act 129 E-PowerWise	□ Act 129 Appliance Rebate	•
			☐ Other list ->			
1	Referrals to pilot programs		□ Pilot#1	□ Pilot#2	☐ Pilot #3	
2	After weatherization work is	Yes	No			
	complete, do you expect customer's usage to decrease		Expected increase in kerosene heater) Expected increase in basement) Expected increase in	as part of WRAP will in in customer's usage of e in conditioned living spa in household occupants	crease usage lectric heat (eg. getting rid ace (eg. adding rooms, finis g. adding a window air cond	hing
			☐ Other reason * ->			
3	Additional Comments					
						· · ·
					-	·
					·	

Customer Interview

Ask the customer to identify any of the following:

1	Heating Systems including unvented space heaters
2	Air Conditioning / Cooling Systems
3	Drafts
4	Excessively Cold Rooms
5	Moisture Problems
6	Special Health Needs or Problems of Customer that Could be Impacted by Weatherization Disabilities, illness, allergies, sensitivities, etc
7	Other Notes
-	

Lighting

1	Are LEDs recommended *	Yes	No ·
	Total LEDs recommended:		If no, select a reason * -> CFLs installed by customer CFLs installed by other weatherization program
	Brand #1*:		☐ Customer refused
	Supplier #1*:		Other reason *->
	Brand #2:		
	Supplier #2:	,	

Appliances

1	Primary refrigerator assessment *		☐ Yes - Monitored (*must complete refrigerator testing data form) ☐ Yes - Database ☐ No - Refrigerator less than 5 years old ☐ No - Landlord refused ☐ No - Customer refused ☐ No - Refrigerator assessed through other weatherization program ☐ No - WRAP work deferred
la	Does the primary refrigerator qualify for a replacement? *	Yes	No
2	Secondary refrigerator assessment		☐ Yes - Monitored (*must complete refrigerator testing data form) ☐ Yes - Database ☐ No - Refrigerator less than 5 years old ☐ No - Landlord refused ☐ No - Customer refused ☐ No - Refrigerator assessed through other weatherization program ☐ No - WRAP work deferred ☐ N/A
2a	Does the secondary refrigerator qualify for a replacement? *	Yes	No NA

BASELOAD SECTION

Summary of Bas	eload Audi	t Work:	C=Comple	eted R=Ref	erred N/A=Not Applicable	NR=Not	Recom	mended
Refrigerator Tester	d 🗖	C □R		INR	Dryer Vent Measures			□ N/A
Refrigerator Tested	l (Second)□	C \square R	□ N/A □	JNR	Describe:		□ 1/	□ IVA
Freezer Tested		C □R						
Refrigerator Coils					Heating Filter Changed			•
AC Filter Changed					Heating Filter Cleaned	ЦС	□R	□ N/A
AC Filter Cleaned	. ~				Power Strip #			
AC(s) Replaced					CO Detector #			
		C □R	LIN/A L	JNR	Other:			
AC Location(s):				_	1			
LIGHTING ASSI	ESSMENT	(Replace	incandesc	ent bulbs i	ised a minimum of 1 hour	per day	7.)	
	# CFLs	# LEDs	LED	LED Bulb				
cation	Installed USP ONLY	Installed	Wattage	Brand	Location 1	Details / C	omment	TS .
1. Living Room								
2. Family Room								
3. Kitchen								
4. Dining Room								
5. Bedroom 1								
6. Bedroom 2							-	
7. Bedroom 3								
8. Bath I								
9. Bath 2								
10. Hallway								
11. Outdoors						·		
12. Other								
Total Bulbs								
Waterbed Mattres	s Replacen	ent (Size	es are ins	ide frame	dimensions)			
☐ King (70" x 82") ☐ Queen (58" x 82") ☐ Super Single (46" Describe insulated m	x 82") .	requested:						
List Main Reasons	for Electri	c Usage:					<u> </u>	
			•					
								

Water Heater

1	Is the water heater accessible *	Yes	No (if no, stop here)
2	What type of water heating fuel is used? *		☐ Electric ☐ Natural Gas ☐ Propane ☐ Oil ☐ Solar If Electric is selected, continue to question 2a* If anything other than electric is selected, stop here.
2a	Is the water heater more than 6 years old? *	Yes	No
2b	Is the water heater leaking or corroded? *	Yes	No
2c	Does the water heater have a faulty thermostat or bad element? * If you answered No to questions 2a, 2b and 2c, continue to ONLY answer question 3 (skip questions 4-5)	Yes	No
3	Does the home need any of the following? *		(check all that apply) □ Faucet aerator □ Faucet repair/replacement □ Low flow showerhead □ Water pipe insulation □ Plumbing repair □ Test/replace element □ Water heater jacket □ None of the above If any of the above are selected and the job type is currently Baseload, the job type needs to be changed to Low Cost.
4	Which of the following applies?		 (check all that apply) □ Ambient air temperature of water heater is more than 44° □ There is adequate space for a heat pump water heater (HPWH) □ Area near water heater has condensate drain/contractor can add condensate pump □ The home has good plumbing/electrical systems □ The customer is able and willing to change HPWH filter and settings If none, 1, 2, 3, or 4 of the options above are selected, continue to question 4a. If all 5 are selected, continue to question 4b.

4a	Is standard water heater recommended?*	Yes	No
	If yes, does the water heater need the following?		(check al! that apply) □ Expansion tank □ Check valve (municipal water only) □ 30 amp breaker □ 10/2 wire □ Other ->
	If you select Yes, the campaign will remain the same and the job type must be changed to Low Cost.		
	If no, what is the reason for the standard water heater not recommended?		
4Ъ	Is a heat pump water heater recommended? *	Yes	No
	If yes, does the heat pump water heater need the following?		(check all that apply) □ Condensate pump □ Expansion tank □ 30 amp breaker □ 10/2 wire □ Other ->
	If you select Yes, the campaign will remain the same and the job type must be changed to Low Cost.	ı	
	If no, what is the reason for the heat pump water heater not recommended? *		
5	If heat pump water heater is not recommended, should the standard water heater be recommended? *	Yes	No .
	If yes, does the water heater need the following?		(check all that apply) □ Expansion tank □ Check valve (municipal water only) □ 30 amp breaker □ 10/2 wire □ Other ->
	If no, what is the reason for the standard water heater not recommended?		
A	.dditional Comments		

EXISTING REFRIGERATOR TESTING DATA Refrigerator Tested: Yes No If No, reason:

KWH Guidelines for Replacement: In order to meet the daily minimum guidelines for replacement, the KWH's must reach the KWH/Hour Minimum listed below by the end of one hour of monitoring. If at any time during the first hour of monitoring the Brultech reaches the KW/Hour Minimum, the tester will know that the refrigerator is likely to qualify for replacement.

Size	Daily Minimum		KW / Hour Minimum	Replacement Guideline
15 cu. ft. or less	2.78 KWH / day	=	.116 KWH	14 cu. ft.
16 19 cu. ft.	3.48 KWH / day	=	.145 KWH	18 cu. ft.
20 - 24 cu. ft.	3.65 KWH / day	=	.152 KWH	20 cu. ft.
25 cu. ft. side-by-side or larger	5.30 KWH / day	=	.221 KWH	20-25 cu. ft.

To get KW / Hour test result:

Divide total KWH's recorded by the monitor, by the number of minutes that the monitor has been on. Your answer will be the number of KWH's consumed per minute. Multiply this by 60 minutes to get the KWH's used for one hour.

This is shown by the formula below:

Total KWH's recorded by monitor
Number of minutes monitored

= KWh's per minute x 60 minutes = KWH's per one hour

Or, use the factors below to get KW / Hour test result:

If monitoring time is:	Multiply KWH's from monitor by:	If monitoring time is:	Multiply KWH's from monitor by:	If monitoring time is:	Multiply KWH's from monitor by:
65 minutes	0.9231	95 minutes	0.6316	125 minutes	0.4800
75 minutes	0.8000	105 minutes	0.5714	135 minutes	0.4444
90 minutes	0.6667	120 minutes	0.5000	150 minutes	0.4000

Primary Refrigerator:

Start Time:	Et	d Time:		Total Time Monitored:	
Refrigerator Temperatur	re: Freezer Temperatur		ature:	: Ambient Room Temperatur	
Peak Wattage While Rur	ming		Total KWH	Monitored	
KWH / 1 Hour KWH / 24 Hours		KWH / Month \$ / Month			
Is this refrigerator eligibl	e for replacement?	☐ Yes ☐ 1	' Vo		

Second Refrigerator/Freezer:

Start Time:		End Time:		Total Tir	me Monitored:	
Refrigerator Temperature: Freezer Temperat			re: Ambient Room Temperature:			
Peak Wattage While Running			Total KWH Monitored			
KWH / 1 Hour KWH / 24 Hours		KWH / Month \$ / Month		\$ / Month		
Is this refrigerator eligible for replacement? ☐ Yes ☐ No						

FULL COST SECTION

Full Cost Measures: Assessment Summary Form

Testing	Yes	No	Explanation
Health & Safety/Combustion Testing	0	0	
Blower Door Depressurization (Standard)	0	0	
Blower Door Pressurization (Contaminates)	0	0	
Zonal Pressure Diagnostics	О	0	
Ductwork Test	0	0	
Final Combustion Test	0	0	
Measures – (Listed by Priority)	Yes	No	Explanation
Health & Safety	0	О	·
Major Repairs (e.g. broken glass)	O	0	
Electric Heat Repairs	О	О	
Attic Insulation	О	О	
Seal Attic Bypasses & Chaseways	О	0	
Wall Insulation	О	0	
Floor Insulation	0	0	
Windows & Door Measures	0	0	
Heating Measures	0	0	ſ
Cooling Measures	0	0	
Other	0	0	

Blower Door Testing	g Information Form	l .									
Target MVG:		CFM 50	······	Temp	Temperature						
Pre-weatherization reading:		CFM 50, base	ment door open	Indoo	r	···					
Pre-weatherization reading:		CFM 50, base	ment door open	Outdo	oor						
Post-weatherization reading		CFM 50 baser	CFM 50 basement © Open © Close								
Total Reduction:											
*5 Point Test Optional Method Notes: Consider areas that are he and pressure boundaries must be ceiling leakage Ratio is the (Hou air scaling treatment for both by the outside or leaks to the house, on a common rafter, such as flat structure.	pated and used daily as intention at the same place. When testingse/Zone divided by the House, passes and convective loops. A Ducts that are considered zon	ng, use house to outside (H/OC Outside) times 100%, 90% or zone is any area that might be es should be tested using the D	or pressures near 50 better passes. If the connected to the paster, Repair to the pact Testing, Repair to the pact Testing, Repair to the pact Testing, Repair to the pact Testing.	O Pa if possible he ratio is less the house and you wair and Sealing S	Use same gauge for a nan 90% (.9), the hon want to determine if the heet. If the ceilings a	Il tests. The ne must receive here are leaks to nd rood deck are					
		PRESSURES		<u> </u>							
	What was blower door to	est set at? House/Outside	House/Zone		Zone/Outside						
ZONES	Pre-Treat	Final	Pre-Treat	Final	Pre-Treat	Final					
Example: Attic	-50	-50	-40	-50	-10 (attic is connected to the house and needs to be separated by air sealing the attic floor)						
Basement											
Vented Crawlspace											
Attic A											
Attic B						***************************************					
Kneewall A											
Kneewall B											
Garage						**************************************					
Garage Attic											
Cantilever Overhang						······································					
Cantilever Overhang											
Other											
Other											
Other											

The state of the s	Combustion Appliances Pre-Test																	
Are there any combustion appliances in the home? YNN																		
If yes, Combustible Equipment Safety Testing must have been done by the contractor if any air sealing was done. Are there any UNVENTED combustion heating applicances? \(\text{Y} \) \(\text{N} \)																		
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		hole for th								Step 11:Re	peat spilla	ge, CO &	draft tes	t for boil	er or furna	ce.		
Step 6:5	Start 1	the worst	case de	pressuriz	zation te	st proc	edure -	appliance	s off	f; measure	base pressi	ıre; pressu	re in the	CAZ ur	der worst	case		
Condition		nerature																
Lance and the same of	******	е	^	1			7		1						Gas Leak I	let !		
Applia	nces	AMB	CAZ		Backdraft \	NAT	W/C	in.) Established NA		Draft Pre W/C	NAT	Draft Pa		Undil, CO	lue Y/N/NA	Pei	cent EfE	
Water		AIVID	CAZ	2 (W)	<u>C</u>	INA I	W/C	NA.	, T	W/C	NA1	W/C	NAT					
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0-25	And				Proce	ed with	work		Orphan natural draft water heater (including outside chimney)									
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PPM	And	Passe	1				oblem be		Natural draft boiler or furnace commonly vented with water heater									
26-100 PPM	And	Fails at v	vorst	Recomme and/or r	epairs to	the hon	ne to corr		Natural draft boiler or furnace with damper commonly vented with water heater									
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100-400 PPM	Or	natura conditio	al		is servi		the probl		Individual natural draft boiler or furnace -5									
>400				Stop worl	k; work i	nay not	proceed								······································			
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Gas-Fi		furnace b		r water	-2.5 P		.00 Pa.	-2.00 P		-1.75 Pa.	-1.50 Pa.	-1.25 P		00 Pa.	-0.75 Pa.	,	0 Pa.	
		atmosphe			-0.01		0.009	-0.008		-0.007	-0.006	-0.003		0.004	-0.003		002	
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	Combustion Appliances Post-Test															
Are there any combustion appliances in the home? 🗀 Y 🔊 N																
If yes, Combustible Equipment Safety Testing must have been done by the contractor if any air sealing was done. Are there any																
UNVENTED combustion heating applicances? Y N																
If yes, no air sealing may be performed that tightens structure below 3000 CFM-50Pa, & Wx release form signed. Step 1: Record the outside temperature and zero the analyzer. Step 7: Turn on the water heater first.																
												first.			// 01/103 11/10/1	es (Secole XIXI) (19 Sec
		d house ar for signs o		***************						eck for spil asure undil						
		m a gas le		ut or vac	K QIAHII	ng-not	illig is o	11,		cord if the		establish	ad at one	minute		
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Emergency Situation: Gas company called to fix gas leak or other.																
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	anno	t continu	e due to Z=Cum	one or		ailed to	est over . W/C	Action Le =Worst			scals EFF	=Efficie	ncy Diff=	Differen	ıce	
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Work control of the c	And / Or And	ent CA Zon Spillag Draft Resu Passe	e due to Z=Cum ie ge & Fest lts is	Recomm	Refre	ofit Acced with at CO provice call the hon	work work roblem be:	Action Le	NAT=Natu CAZ	ral Pa.=Pa Depressuri n natural draft draft boiler or	zation Lint water heater furnace con	mits: Ve	nting Conning outside conted with w	nditions himney) ater heater	-	(Pa.)
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			D	UCT T	EST	ING,	REPA	AIR &	SEA	LING	FOR	M				
System Type	Heat F	omp: C)			Central A	Air Only	, O				Elec. Fu	rnace (3		
System Lyps	Other	0													······································	***************************************
Supply Duct Locations Basement / Walls Attic Garage % Vented Crawl %																
Air Handler Location																
Duct Materials	al O			Duct	Board	0				Flex 🔾	Tlex C					
Filter Location	Silter Locations In Cabinet D Ext. Slot D Return Register Slot Covered D Yes D No													No		
Situation I: Du	cts are	all in ba	sement	or walls	and t	here is a	single	or no re	turn re	gister			***************************************	mitmenn a kalininininini		***************************************
Re-connectSupport sagRun the airIf there is r	gging dı handleı	acts with r fan and	n wire or I seal <i>Iai</i>	strap rge suppl				ace								
Situation II: Du	ucts are	all in b	asemen	t or wall	and	there ar	e multi	ple retu	rn regis	sters						
 Pressure pa For all regilocate leaks Enter final Do NOT se 	sters wi s, run th pressure	th pressi e air har e pan rea	ure > 1 I idler fan iding in	Pascal, se and use table	al acc smoke	essible le	aks bet					-	-			
Situation III: T	here is	duct we	rk in ex	terior z	nes										**************************************	iku dan atau atau atau atau
If there is d Depressuriz Seal leaks b practical. If Enter press	ze house between leakage ure pan	to 25 P ducts/b e is seve	ascals a uilding o r, some s in table	bd oressu cavities a drywall o	re par nd ext lemol:	ı all supp erior zon	oly and i nes until acemen	all pres	sure par	ı reading				no furth		ng is
Register Number Room	#I		#2		#3		#4		#5		#6		#7		#8	
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Read	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post
upply																
Return								T								
Note: Number regis	ters by f	loor goin	g away i	rom Air l		er Unit (A ustom We					e one cle	sest to A	HŲ.			