

LOUISIANA Energy Audit Review Checklist

Job Number:		QCI Name (Print)	
Initial Auditor:		QCI Certificate #	

FIELD DATA COLLECTION

No	Yes	Documentation	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Are legible photos available that validate all data entry, diagnostic testing results, and equipment labels?	
<input type="checkbox"/>	<input type="checkbox"/>	Are all fields in the data collection form completely and legibly filled out?	
<input type="checkbox"/>	<input type="checkbox"/>	Does footprint drawing of each floor contain adequate dimensions?	
<input type="checkbox"/>	<input type="checkbox"/>	Is combustion safety testing (CO, CAZ, SSE, etc.) data recorded in the Home Energy Assessment Checklist (HEAC) and supported by photos?	
<input type="checkbox"/>	<input type="checkbox"/>	Do legible photos of all four sides of the dwelling exist?	
No	Yes	Work Order	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	All identified costs (CFL/LED bulbs, flow restrictors, etc.) are entered	
<input type="checkbox"/>	<input type="checkbox"/>	Are there any measures in the work order that are not include in the WA software energy audit outcome?	
<input type="checkbox"/>	<input type="checkbox"/>	Do all measures in the work order contain a target (CFM, R-value, U-value, etc.)?	
<input type="checkbox"/>	<input type="checkbox"/>	Does the work order contain references to the SWS or Grantee Field Guide?	
No	Yes	ASHRAE	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Does the ASHRAE calculation include the kitchen?	
<input type="checkbox"/>	<input type="checkbox"/>	Is ASHRAE calculation use all full and ¾ bathrooms?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the building height used in agreement with photos and number of conditioned floors?	
<input type="checkbox"/>	<input type="checkbox"/>	Does the ASHRAE calculation use the same CFM50 target as the software audit inputs?	
<input type="checkbox"/>	<input type="checkbox"/>	Does the calculation use the same square footage as the conditioned space input into the audit software?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the occupant number used, less than bedrooms plus one?	
<input type="checkbox"/>	<input type="checkbox"/>	Is more than one new fan installed in this home?	

Envelope Audit Data				
Subspace:				
Sq.Ft.:		#Floors:		
	Blower Door CFM	Attic R Value	Walls R Value	Floor/Sub R Value
Pre-Wx				
Target				
Post-Wx				
QCI Initials				

ASHRAE Compliance				
Height:		# Bedrooms:		
Occupancy:		ASHRAE REDCalc:		
	Kitchen CFM	Bath CFM	Bath 2 CFM	Dwelling Unit Fan CFM
Pre-Wx				
Target				
Post-Wx				
QCI Initial				

LOUISIANA Energy Audit Review Checklist

Audit Software Data Entry

No	Yes	Audit Software Settings	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Was the correct modeling tool used for the housing type?	
<input type="checkbox"/>	<input type="checkbox"/>	Are the correct setup and supply libraries selected?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the correct weather location selected?	
<input type="checkbox"/>	<input type="checkbox"/>	Are the heating/cooling efficiencies correct type??	
<input type="checkbox"/>	<input type="checkbox"/>	Are the fuel costs correct for the region?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the conditioned square footage input consistent with the HEAC and footprint drawing?	
<input type="checkbox"/>	<input type="checkbox"/>	Do enable measures match Louisiana policies?	
No	Yes	General Audit Results	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Are all ECM and cumulative SIRs 1.0 or greater?	
<input type="checkbox"/>	<input type="checkbox"/>	Are all measures in the work order listed in the Recommended Measures Report?	
<input type="checkbox"/>	<input type="checkbox"/>	Do any heating/cooling/ have an SIR greater than 3?	
<input type="checkbox"/>	<input type="checkbox"/>	Are pre/post retrofit energy estimates savings more than 30%.?	
No	Yes	Walls	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Do opposing walls (N/S or E/W) gross square footage match each other?	
<input type="checkbox"/>	<input type="checkbox"/>	Do exterior exposures match pictures and footprint drawing (buffered, outside, etc.)?	
<input type="checkbox"/>	<input type="checkbox"/>	Do exterior siding type(s) match photos?	
<input type="checkbox"/>	<input type="checkbox"/>	Are the walls correctly oriented in the model (N/S/E/W)?	
<input type="checkbox"/>	<input type="checkbox"/>	Is R-value input consistent with age of home and depth of wall cavity?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the added insulation type and R-value correct (cellulose, fiberglass, etc.)?	
<input type="checkbox"/>	<input type="checkbox"/>	If a buffered wall exists, is it modeled correctly??	
<input type="checkbox"/>	<input type="checkbox"/>	If MH, are conditioned addition walls entered into audit?	
No	Yes	Windows/Doors (W/D)	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Are any windows input as shaded more than 20%?	
<input type="checkbox"/>	<input type="checkbox"/>	Does total number of W/D match HEAC/photos?	
<input type="checkbox"/>	<input type="checkbox"/>	Are any W/D leakages input as loose or very loose?	
<input type="checkbox"/>	<input type="checkbox"/>	Replacement W/D U-values match program guidance?	
<input type="checkbox"/>	<input type="checkbox"/>	Are W/D assigned to correct walls per HEAC/photos?	
<input type="checkbox"/>	<input type="checkbox"/>	Do storm W/D inputs match HEAC/photos?	
<input type="checkbox"/>	<input type="checkbox"/>	Did the auditor force replacement of any W/D?	
<input type="checkbox"/>	<input type="checkbox"/>	Are any W/D replaced using air sealing, IRM, or H&S funds?	
No	Yes	Attics	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Is the total attic sq.ft equal to the total foundation sq.ft?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the existing attic insulation input into model consistent with photographic documentation?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the most cost-effective insulation R-value added?	

LOUISIANA Energy Audit Review Checklist

<input type="checkbox"/>	<input type="checkbox"/>	Are all four components of a finished attic modeled?	
<input type="checkbox"/>	<input type="checkbox"/>	Does roof type input match the photos?	
No	Yes	Foundations	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Is the foundation sq.ft more than the attic sq.ft?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the correct foundation type entered (i.e. conditioned/unconditioned, vented/unvented, insulated/uninsulated, etc.)?	
<input type="checkbox"/>	<input type="checkbox"/>	Does the foundation insulation level input match the photo documentation and HEAC?	
<input type="checkbox"/>	<input type="checkbox"/>	Does the perimeter input match the HEAC and footprint?	
<input type="checkbox"/>	<input type="checkbox"/>	Is adding insulation considered for the thermal boundary?	
<input type="checkbox"/>	<input type="checkbox"/>	Does foundation height input match photos?	
No	Yes	Heating	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Are all existing heating systems entered into the audit?	
<input type="checkbox"/>	<input type="checkbox"/>	Existing heating system fuel matches HEAC.	
<input type="checkbox"/>	<input type="checkbox"/>	Do audit inputs indicate heating systems heat more than 100% of the conditioned space?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the efficiency input for the heating system within 5% of original design?	
<input type="checkbox"/>	<input type="checkbox"/>	Does the efficiency input match the photo documentation of the testing?	
<input type="checkbox"/>	<input type="checkbox"/>	Does the input and output in the audit match the appliance data plate?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the correct efficiency metric used (i.e. SSE, AFUE, HSPF, etc.) for the system type?	
<input type="checkbox"/>	<input type="checkbox"/>	Is replacement system information accurate (AFUE, HSPF, Cost, etc.)?	
No	Yes	Cooling	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Are all existing cooling systems entered into the audit?	
<input type="checkbox"/>	<input type="checkbox"/>	Do audit inputs indicate cooling systems cool more than 100% of the conditioned space?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the efficiency input (SEER, EER) for the existing cooling system consistent with the appliance data plate?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the system size (BTU) consistent with the appliance data	
<input type="checkbox"/>	<input type="checkbox"/>	Is replacement system information accurate (SEER, EER, BTU, Cost, etc.)?	
No	Yes	Infiltration	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Do the pre-audit blower door inputs match the photo documentation and the HEAC?	
<input type="checkbox"/>	<input type="checkbox"/>	Is the infiltration target correctly calculated based on the documented Louisiana target method?	
No	Yes	Duct Sealing	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Is selected test method correctly input?	
<input type="checkbox"/>	<input type="checkbox"/>	Are duct testing pressures consistent with the method chosen?	

LOUISIANA Energy Audit Review Checklist

<input type="checkbox"/>	<input type="checkbox"/>	Are pre and post pressure pan supply and return reduction documented in the HEAC??	
<input type="checkbox"/>	<input type="checkbox"/>	Is the duct sealing target consistent with Louisiana guidance (less than 2 pa)?	
No	Yes	Water Heating	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Existing equipment information, fuel, and location match field data collection	
<input type="checkbox"/>	<input type="checkbox"/>	Existing water heater wrap and water heater pipe insulation match data collection	
No	Yes	Refrigerator	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Audit contains legible photo of refrigerator data plate?	
<input type="checkbox"/>	<input type="checkbox"/>	Replacement refrigerator considered meets standards?	
<input type="checkbox"/>	<input type="checkbox"/>	If metered, is there a legible photo of metered data?	
No	Yes	Lighting	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Are any bulbs input as used more than 5 hours/day?	
<input type="checkbox"/>	<input type="checkbox"/>	Are replacement wattages consistent with bulb type?	
<input type="checkbox"/>	<input type="checkbox"/>	Is installed cost more than \$5/bulb?	
No	Yes	Incidental Repair Measures (IRM)	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Are all Incidental Repairs included in the cumulative SIR calculation?	
<input type="checkbox"/>	<input type="checkbox"/>	Do all Incidental Repairs include comments that detail the specific ECM they are protecting?	
<input type="checkbox"/>	<input type="checkbox"/>	Do any measures have additional costs input?	
<input type="checkbox"/>	<input type="checkbox"/>	If yes, are there related comments describing why?	
No	Yes	Health and Safety Items (H&S)	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Are all installed H&S measures allowed per current, approved H&S plan?	
<input type="checkbox"/>	<input type="checkbox"/>	Does H&S expenditure exceed the cost of ECMs?	
No	Yes	Ancillary Measures	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Are all "ancillary" measures included in their related ECM's cost?	

No	Yes	Additional <u>Monitoring</u> Questions	Notes (if needed)
<input type="checkbox"/>	<input type="checkbox"/>	Are all invoiced costs contained in the Recommended Measures (RM) Report?	
<input type="checkbox"/>	<input type="checkbox"/>	Do any invoiced costs exceed the RM costs?	
<input type="checkbox"/>	<input type="checkbox"/>	Are any potential ECM opportunities missed?	
<input type="checkbox"/>	<input type="checkbox"/>	Is there photo documentation of every installed measure in the QCI's photo log?	

QCI/Monitor Signature

Date