

This is a specific section designed just for RESNET appropriated users.

The following instructions will help to upload each of the requested tests on the International Code Compliance Calculator (IC3) v4.4 for the RESNET accreditation process.

IC3 software is fully operational and set up for each test case





RESNET Tests Main Menu

ASHRAE Standard 140 Test

HVAC Test

Auto-Generation Test

DSE Test

HERS Method Test

DHW Test

SpecificTest: 🔻

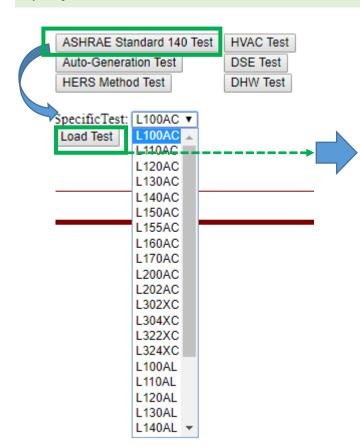


Load Test

ASHRAE Standard 140 Test



Clicking the "ASHRAE Standard 140 Test", the required case tests will show up in the *Specific Test* list



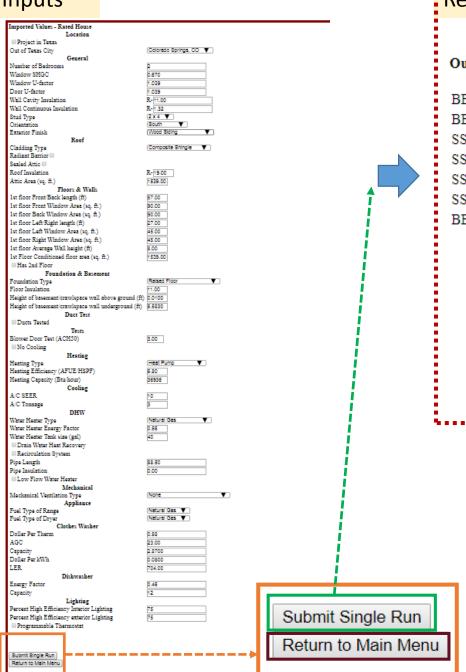
Clicking "Load Test",

It will show up all the input parameters up in the screen



ENERGY SYSTEMS LABORATORY
TEXAS A&M ENGINEERING EXPERIMENT STATION

Inputs



Report

Output Report

BEPU Cooling Energy (KWH)	
BEPU Heating energy (KWH/THERM)	
SS-M Fan Cooling (KWH)	
SS-M Fan heating (KWH)	
SS-A Cooling Load (MBTU)	
SS-A Heating Load (MBTU)	
BEPU DHW Energy (THERMS)	
Recirculation Pump Energy (KWH/YR)	

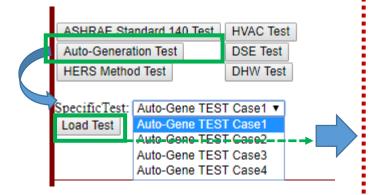
Clicking "Submit Single Run",

It will show up the results in the *output report* section.

Auto-Generation Test

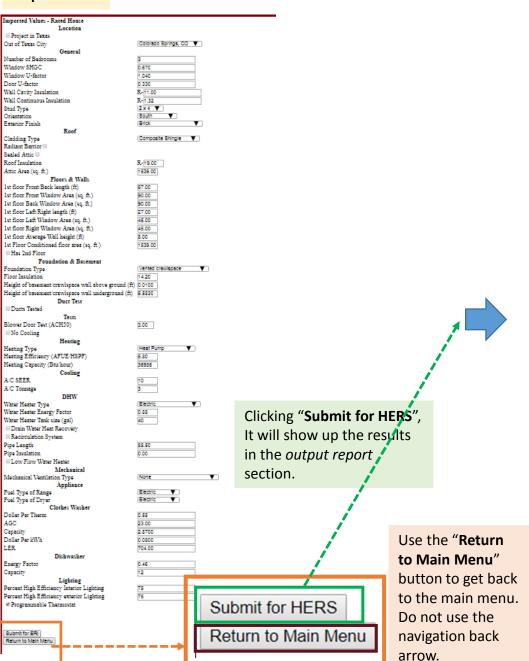


Clicking the "Auto-Generation Test", the required case tests will show up in the Specific Test list



Clicking "Load Test", It will show up all the input parameters up in the screen

Inputs



Report

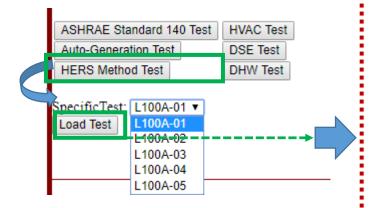
Input Values - Reference House Id: 928		
Walls U-Value	0.082	
Walls Solar Absorptance	0.75	
Walls Infrared Emittance	0.90	
Basement Walls U-Value	N/A	
Floor U-Value	N/A	
Slab Insulation R-Value	0	
Ceiling U-Value	0.035	
Roof Solar Absorptance	0.75	
Roof Infrared Emmittance	0.90	
Attic Vent Area	5.13	
Crawlspace Vent Area	N/A	
Exposed Masonry Floor Area	307.80	
Carpet & Pad R-Value	2	
Door Area	40	
Door U-Factor	1.20	
Front Window Area	69.26	
Left Window Area	69.26	
Back Window Area	69.26	
Right Window Area	69.26	
Window U-Factor	1.20	
Window SHGCo (heating)	0.34	
Window SHGCo (cooling)	0.28	
SLA	0.00036	
Sensible Internal Gain	48111	
Latent Internal Gain	9259	
Labled Heating Efficiency	7.70	
Labled Cooling SEER	13.00	
Air Distribution System	0.80	
Thermostat Type	Manual	
Heating Thermostat Setting	68	
Cooling Thermostat Setting	78	
Mechanical Ventilation (kWh/y)	140.4	
DHW pipe length refPipeL (ft)	88.5	
DHW loop length refLopL (ft)	156.9	
e-ratio	1.000	



HERS Method Test and HERS Method IAF Test

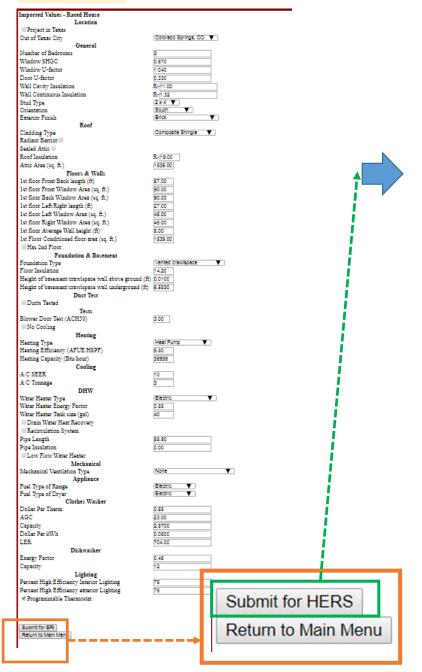


Clicking the "HERS Method Test", the required case tests will show up in the Specific Test list



Clicking "Load Test",
It will show up all the input parameters up in the screen

Inputs



Report

Output Report		
HERS Index	with Adjusted Factor	
	w/o Adjusted Factor	
Reference Home End Use Loads (RUEL)	RUEL_rheating (MBTU)	
	RUEL_rcooling (MBTU)	
	RUEL_rDHW (MBTU)	
Reference Home End Use Energy Consumption (EC_r)	EC_rheating (MBTU)	
	EC rcooling (MBTU)	
	EC_rDHW (MBTU)	
Rated Home End Use Energy	EC to a time (MIDTII)	
consuption (EC_x)	EC_heating (MBTU)	
	EC_cooling (MBTU)	
	EC_DHW (MBTU)	
	nMEUL_LA (MBTU)	
IADSAVE (%)		

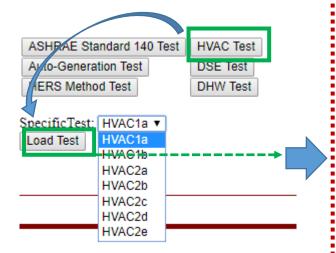
Clicking "Submit for HERS",

It will show up the results in the *output report* section.

HVAC Test

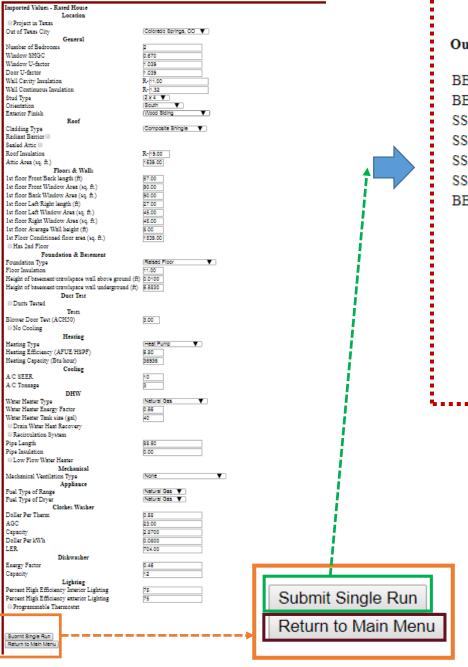


Clicking the "HVAC Test", the required case tests will show up in the Specific Test list



Clicking "Load Test", It will show up all the input parameters up in the screen

Inputs



Report

Output Report

BEPU Cooling Energy (KWH)	
BEPU Heating energy (KWH/THERM)	
SS-M Fan Cooling (KWH)	
SS-M Fan heating (KWH)	
SS-A Cooling Load (MBTU)	
SS-A Heating Load (MBTU)	
BEPU DHW Energy (THERMS)	
Recirculation Pump Energy (KWH/YR)	

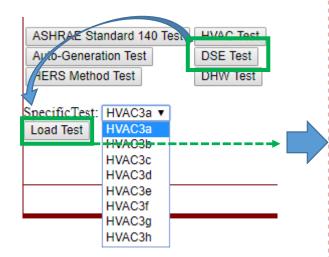
Clicking "Submit Single Run",

It will show up the results in the *output report* section.

DSE Test

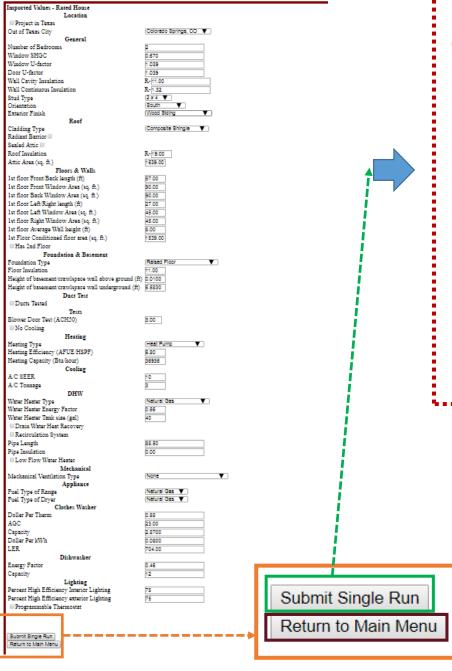


Clicking the "**DSE Test**", the required case tests will show up in the *Specific Test* list



Clicking "Load Test", It will show up all the input parameters up in the screen

Inputs



Report

Output Report

BEPU Cooling Energy (KWH)	
BEPU Heating energy (KWH/THERM)	
SS-M Fan Cooling (KWH)	
SS-M Fan heating (KWH)	
SS-A Cooling Load (MBTU)	
SS-A Heating Load (MBTU)	
BEPU DHW Energy (THERMS)	
Recirculation Pump Energy (KWH/YR)	

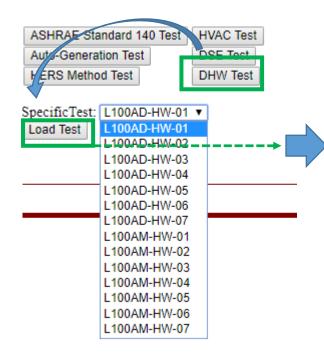
Clicking "Submit Single Run",

It will show up the results in the *output report* section.

DHW Test

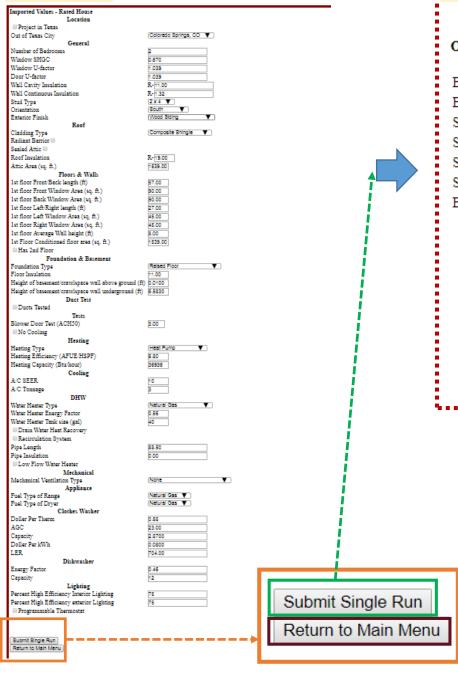


Clicking the "**DHW Test**", the required case tests will show up in the *Specific Test* list



Clicking "Load Test", It will show up all the input parameters up in the screen

Inputs



Report

Output Report

BEPU Cooling Energy (KWH)	
BEPU Heating energy (KWH/THERM)	
S-M Fan Cooling (KWH)	
S-M Fan heating (KWH)	
S-A Cooling Load (MBTU)	
S-A Heating Load (MBTU)	
SEPU DHW Energy (THERMS)	
Recirculation Pump Energy (KWH/YR)	

Clicking "Submit Single Run",

It will show up the results in the *output report* section.

Use the "Return to Main Menu" button to get back to the main menu. Do not use the navigation back arrow.



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