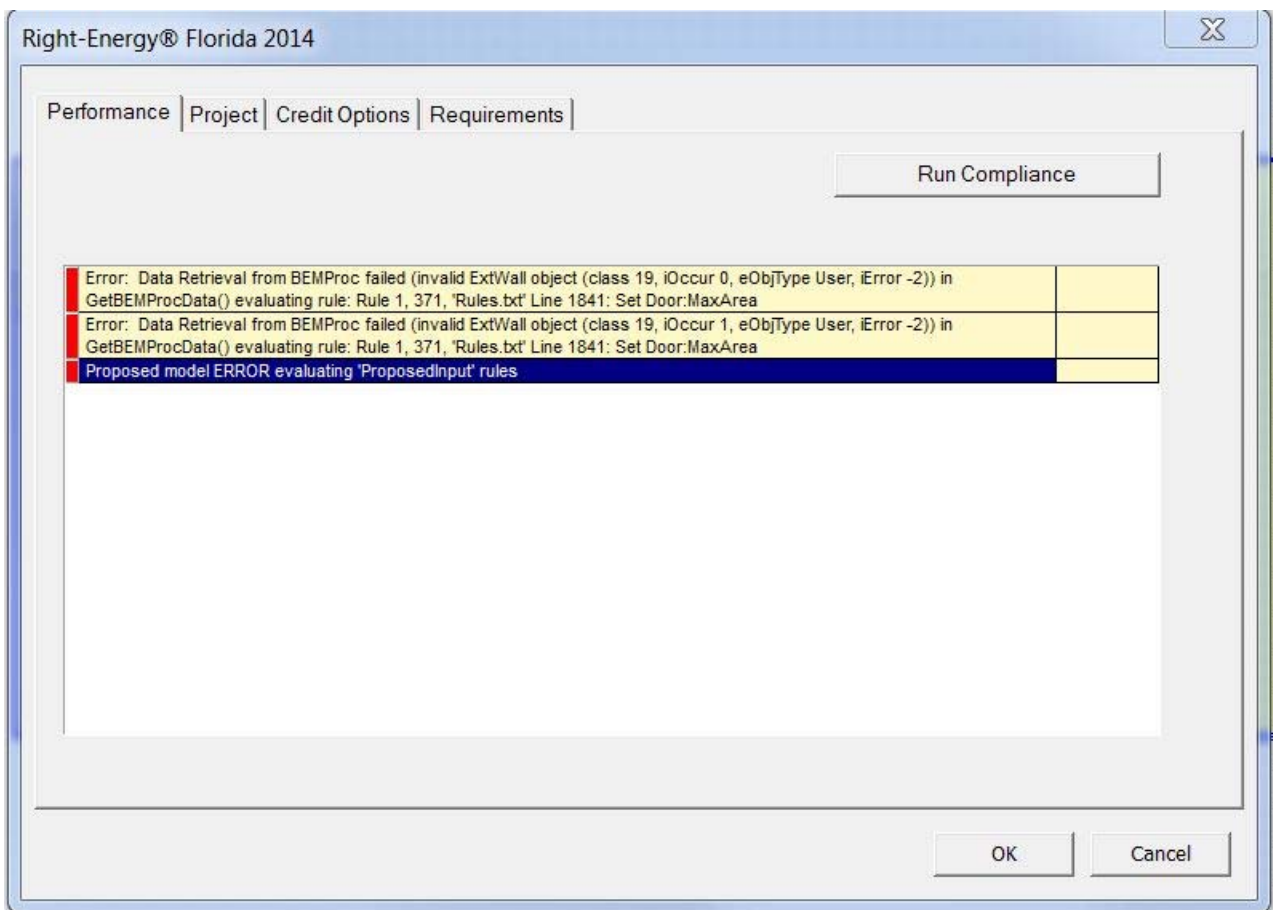


**Staff Comments concerning Right-Energy® Florida 2014.  
July 25, 2017**

1) Does this program work for Additions or existing homes? Is there a way to specify different areas for compliance? (I.E. separating an existing home from an addition. Or adding an addition to existing mechanical equipment.)

2) There is a note: “Performance will not be run due to Mandatory Requirement failures. It would be more users friendly to specify exactly what requirements are failing.

3) Ran into an error code: **Data Retrieval from BEMProc failed (invalid ExtWall object (class 19, iOccur 0, eObjType User, iError-2)) in GetBEMProcData () evaluating rule: Rule 1, 371, “Rules.txt’ Line 1841: Set Door: MaxArea”.**



Other than calling tech support there is no way to know what this issue is or how to correct it. I assume it is due to a component entered improperly but could not backtrace where this occurred.

Perhaps a help file detailing common errors would be helpful to users.

4) There is no input for duct insulation in the attic. Or to specify higher insulation values. The program automatically generates the duct.

**R405.2** Mandatory requirements. Compliance with this section requires that the mandatory provisions identified in Section R401.2 be met. All supply and return ducts not completely inside the building thermal envelope shall be insulated to a minimum of R-6.

5) Allows the compliance calculation to run when ceiling insulation is lower than minimum allowed.

**R405.2.1** Ceiling insulation. Ceilings shall have an insulation level of at least R-19, space permitting. For the purposes of this code, types of ceiling construction that are considered to have inadequate space to install R-19 include single assembly ceilings of the exposed deck and beam type and concrete deck roofs. Such ceiling assemblies shall be insulated to at least a level of R-10.

6) Page 8 of the Compliance Report. The section number for R403.4.4.2 Water heating equipment is left of the checklist.

7) Under roof assembly there is no definition for certain Attic Types. IE. "Encapsulated." Definitions for assembly and component types would be appreciated.

8) Per R405.2.1 there should be an option for single assembly ceilings. R405.2.1

**R405.2.1** Ceiling insulation. Ceilings shall have an insulation level of at least R-19, space permitting. For the purposes of this code, types of ceiling construction that are Considered to have inadequate space to install R-19 include single assembly ceilings of the exposed deck and beam type and concrete deck roofs. Such ceiling assemblies shall be insulated to at least a level of R-10.

9) The compliance report does not indicate the type of floor as shown in the program.

10) For Wall, Floor, and Ceiling inputs on the Compliance Report, could unused portions be hidden or marked as N/A Not applicable. (See below areas)

9. Wall types (1319 ft <sup>2</sup> )	Insulation	Area
a. Frm wall, eifs ext, r-15 cav i	R=19.0	1091 ft <sup>2</sup>
b. Frm wall, stucco ext, r-15 cav	R=15.0	228 ft <sup>2</sup>
c.		0 ft <sup>2</sup>
d.		0 ft <sup>2</sup>
10. Ceiling types (2100 ft <sup>2</sup> )	Insulation	Area
a. Attic ceiling, asphalt shingle	R=0.0	2100 ft <sup>2</sup>
b.		0 ft <sup>2</sup>
c.		0 ft <sup>2</sup>
11. Ducts	R	ft <sup>2</sup>
a. Sup:Vented attic Ret:Vented attic AH:Cond. Space	6	273
b.		

11) The Floor type information for the home does not show up in the Compliance report. (See below)

SHGC:	SHGC=0.25	13. H	
Area Weighted Average Overhang Depth:	1 ft		
Area Weighted Average SHGC:	0.25		
8. Floor types (0 ft <sup>2</sup> )	Insulation	Area	14. H
a.		0 ft <sup>2</sup>	
b.	0	ft <sup>2</sup>	
c.	0	ft <sup>2</sup>	
			15. C

12) We tried to replicate the solar water heater entry that was in your submittal – however this does not show up on the Compliance Report. (See below)

1	Electric conventional (40 gal, 0.96 EF)	0.96	40 gal	71 gal
<b>SOLAR HOT WATER SYSTEM</b>				
FSEC Cert #	Company Name	System Model #	Collector Mo	
	N/A		N/A	
<b>DUCTS</b>				

13) Compliance Report should indicate the Air distribution system components. Total Duct Leakage test report, AHU Location.

14) Include on the Summary page for the Compliance Report the HVAC Sizing.

15) Credits should show up on the summary sheet for the Compliance Report.

16) The Compliance Report should show what Climate Zone the project is under.

17) Can more information be provided concerning Wall Orientation? (Building Input Summary Report.)

18) Can the Compliance Report summary provide more information concerning the window area Orientation? (Building Input Summary Report.)