EnergyGauge Summit 8.00 Revision 6 Release Notes - March 4, 2024

Version 8.00 Revision 6

1) The output report for lighting controls is more descriptive

Acronym	ID Description	Area Compliance (sq.ft)
<u>Space 1</u>	<u>1</u> <u>Space 1 (Electrical Mechanical</u> <u>Equipment Room - General)</u>	100 COMPLIANCE: PASSES REQUIRED: All of 1 8 ; one of 2 3 CONTROLS IN SPACE: 1-Manual (Local Control) 2-Occupancy Sensor - Manual ON only
		EXCEPTION(\$)CLAIMED: 8-Occupant Sensor Auto Full OFF
		JUSTIFICATION : Justification: sections
<u>Space 2</u>	<u>12</u> <u>Space 2 (Lobby (General) -</u> <u>Reception and Waiting)</u>	906 COMPLIANCE: FAILS Control type 3 required for compliance not found Atleast one additional control type 9 required for compliance REQUIRED: All of [3]; one of [9] CONTROLS IN SPACE: 0-None 0-None

2) Character limit of Control exception justification. The limit is now 100 Characters and should not give an error even if that is exceeded. It should just trim the saved text to 100 characters.

		"FBC 8thEd is " All Other (ECC 2021 and be	<mark>wond</mark> Hide Pre-8th Ed 0	Columns
	Type Category No. of Watts per Category Luminaires Watts per Luminaire Type				FBC 8thEd Control Exception	Area Lighted		
1	LED 💌	General	15	50.00	1 2	181		
Enter be	elow justifi	ication for any	Control Exc	eption taker	n, such as, code	section etc Max	100 Characters	
Justifica	ation: sec	tions						
ighting	Power Co	back set to: F ompliance FA	ILS		IECC option)			

- 3) Corrected baseline system for residential single zone systems consistent with ASHRAE ECB system Map
- 4) Other minor formatting changes.

Prior Version 8.00 Revision 5

Ease of Use In both input and output reports, the space description is added for clarity.

USCIND	accolumns All other cou	s iorpho	i coues				
					V	Hide Pre-8th E	d Columns
	Туре	Category	No. of Luminaires	Watts per Luminaire	FBC 8thEd Control Type	FBC 8thEd Control Exception	Area Lighted
1	LED	General	15	50.00	[2]3[9]	[1]8]	
Enter be	▲ elow justification for any Co	ntrol Exceptio	n taken, suc	h as, code	section etc		•
section	405.22 page 223						
Lighting	nce Feedback set to: Flori Power Compliance FAILS Power Design: 750 Effec				s:		
Require	Controls PASSES d Controls All of [1]8]; one o ghting Power Compliance i		ntire building				

Ease of Use Lighting Grid in the Space form has been sorted to show LED-type lighting first.

Ease of Use: A check box "*Hide Pre-8th Ed Columns*" displays only 8th edition control columns for easy input.

Ease of Use: The "FBC 8th Ed Control Exception" column has been added to display control exemptions claimed by the user.

Ease of Use: A justification input field has been added for users to justify any lighting control exemption claimed. The justification is then shown on the output report for submission.

	Select	Id	Description	FBC 2023 Section	ASHRAE 2019 Section	Claim Exception?		
_	×	1	Manual Controls (Visible W/Ready Access)	C405.2.6	9.4.1.1-a			
		2	Occupancy Sensor - Manual ON only	C405.2.1	9.4.1.1-b			
		3	Occupant Sensor Controls (ON 50% Power)	C405.2.1	9.4.1.1-c			
_		4	Light Reduction Controls (At Least 30%-70% Power)	C405.2.3	9.4.1.1-d	×		
_		5	Daylight Responsive Controls (Sidelighting)	C405.2.4	9.4.1.1-e			
_		6	Daylight Responsive Controls (Toplighting)	C405.2.4	9.4.1.1-f			
_	×	7	Occupant Sensor Controls Auto Off (Full or Partial)	C405.2.1	9.4.1.1-a			
_	×	8	Occupant Sensor Controls Auto Full OFF	C405.2.1	9.4.1.1-h			
_		9	Time-Switch: Automatic Full Off or Scheduled Shut Off	C405.2.2	9.4.1.1-I,j			
		ОК					Can	cel

Editorial: On the Lighting Control Input Dialog, the section numbers have been corrected.

Enhancement: A new column has been added to the lighting control dialog where the user can claim exemption for lighting controls as per code.

		×
Space	Lighting	Internal Loads
Equipment Lighting Loa W/SqF 0.2 Kw 0 Total Task Lt W/S Sensible 1 Source Btu/Hr	1.5 Number of People Area/Person Heat Gain (Total)	

Enhancement: Outdoor Air Parameters have now been moved to the space input form to help input data more specific to the space type.

Project Information	Designers	Zone-Sys Assignment	Settings	Climate & Utility Rates	Sun
ECC IECC Prescriptive 0 Additional Efficienc; Option		rgy Efficient HVAC I	Dption in accordance	with Section C406 👤]
Ashrae 90.1-2010	0/13 Section 5.5.4 a Method for Lighti		 increased Fenes Project Complies 	with IECC 2012/15 40	
Append Input Re	port to Compliance	e Output Report (Ap	increased Skyligh	nt Area 5th, 6th Ed. & Beyond)	
*Baseline Cooling Pla Capacity Multiplier	int 1	*Baseline Heating Capacity Multiplier			
Note: All Baseline S above multipliers ap			moved to the System	form under each syste	m. The
🔽 Override Interna	al Loads				

Enhancement: On the Project page, Settings tab, checking the "Override Internal Loads" check box will use actual internal loads input on the space form rather than from Summit's Standard library. This helps input and account for more relevant and known space internal loads.

Bug: Error "Invalid Climate DatasetID" for certain combinations of building space types. **Resolution**: This has been fixed.

Bug: Error "Subscript out of range" for certain lighting control entries. **Resolution**: This has been fixed.

BUG: In some instances, although the lighting controls subsection of the compliance report shows all spaces "*PASSING*" concerning Lighting Controls, the summary section of the compliance report shows that the building has "*FAILED*." **Resolution**: This has been fixed.

BUG: Warning "Water Source Heat Pump requires SEER2" Resolution: This has been fixed.

BUG: For ASHRAE ECB Compliance, Dwelling units LPD for baseline has been corrected to 0.6 W/ft² per Table 11.5.1 6e page 206. **Resolution**: This has been fixed.

BUG: For ASHRAE ECB Compliance baseline Fan system efficiency has been corrected per ASHRAE 11.5.2 (h) Page 201.