

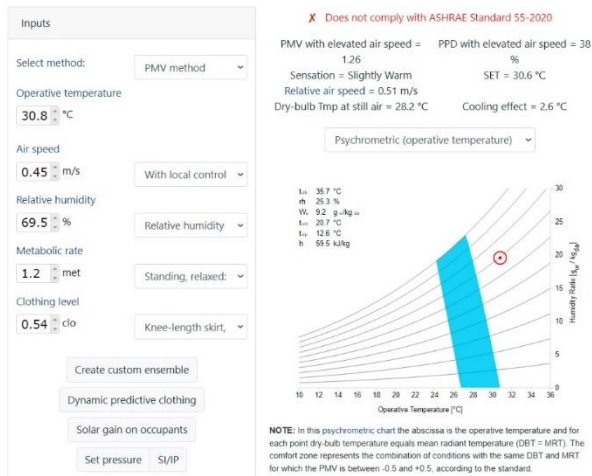
Apéndices externos

Se organizan los apéndices externos como un apoyo complementario de la investigación que soportan información base que fue tabulada y organizada en el documento por medio de tablas o figuras.

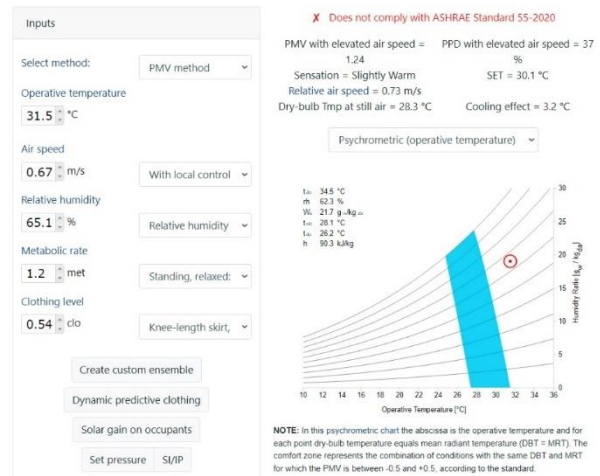
Apéndice externo A Confort térmico viviendas muestra por CBE Thermal Comfort Tool

CBE Thermal Comfort Tool

Mz. Q - Lote 331



Mz. K - Lote 6



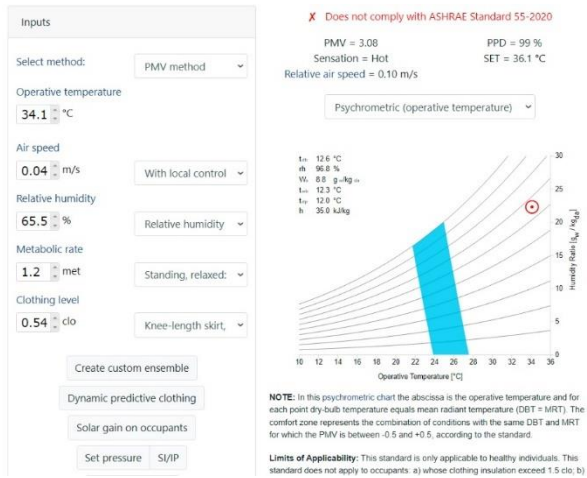
Mz. L - Lote 235



Mz. H - Lote 183



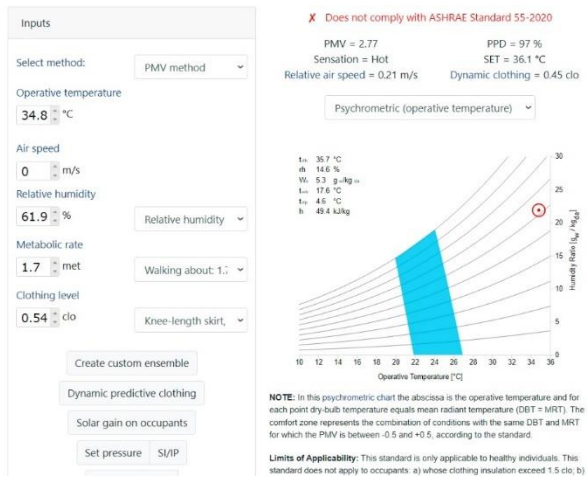
Mz. I - Lote 189



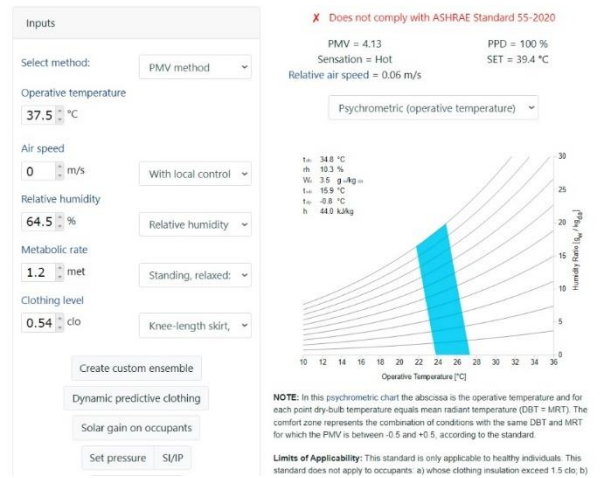
Mz. I - Lote 190-1



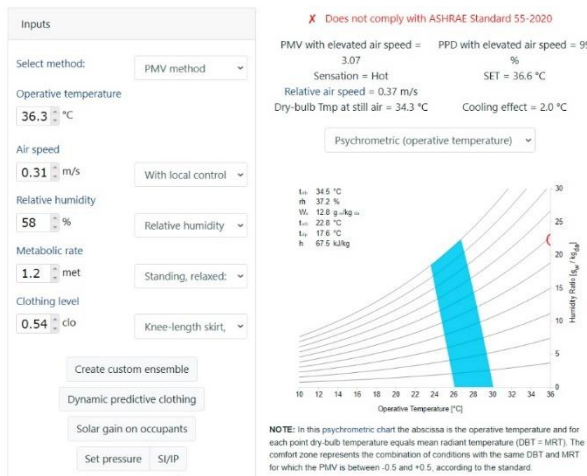
Mz. H - Lote 185



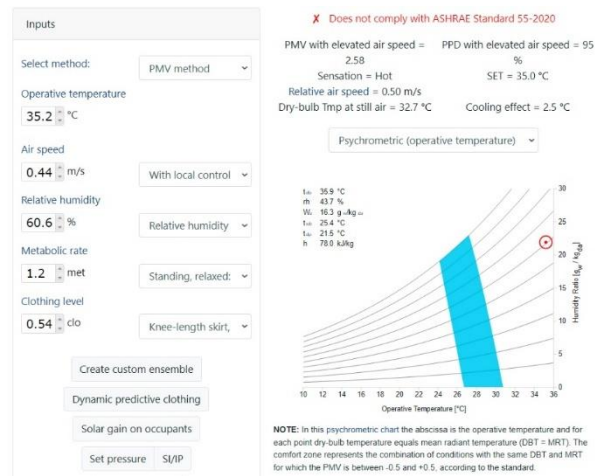
Mz. H - Lote 171



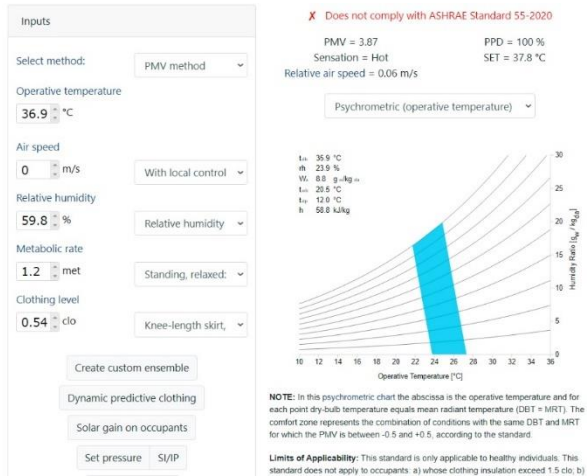
Mz. H - Lote 172



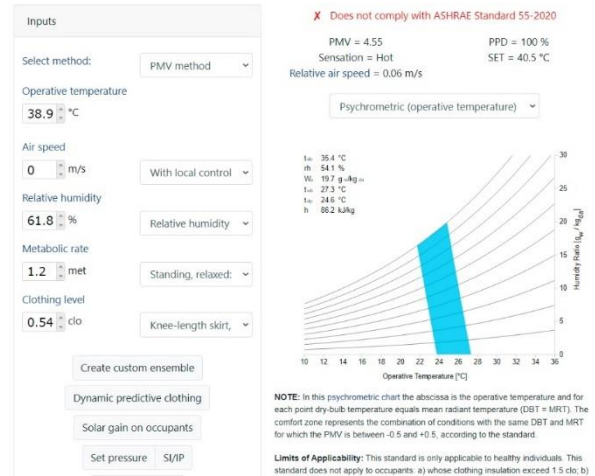
Mz. H - Lote 178



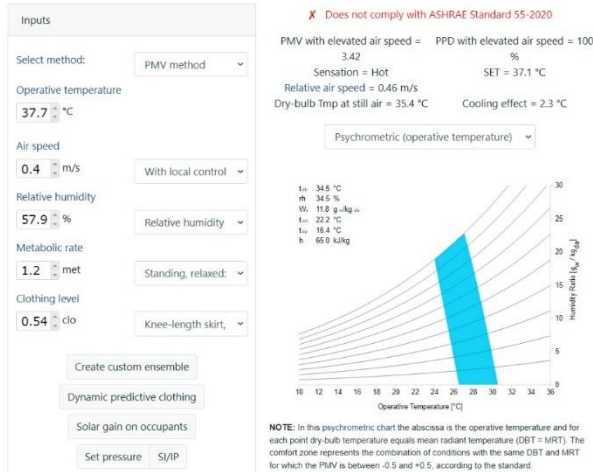
Mz. H - Lote 179



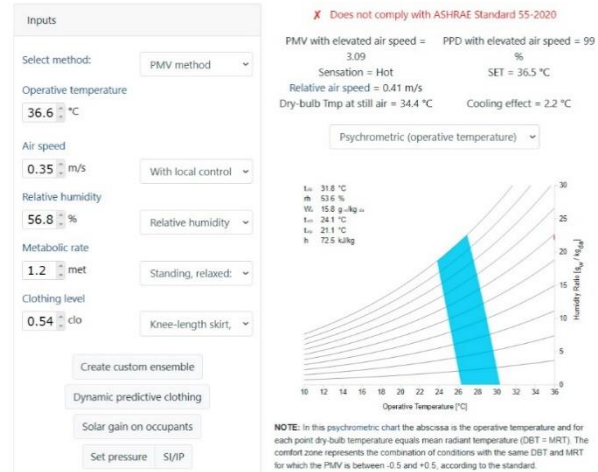
Mz. H - Lote 182



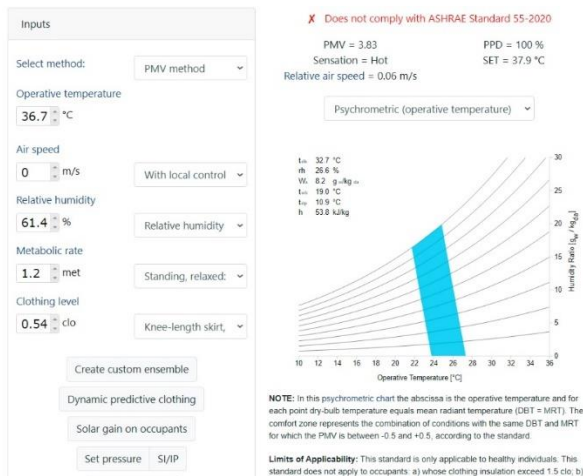
Mz.L - Lote 239



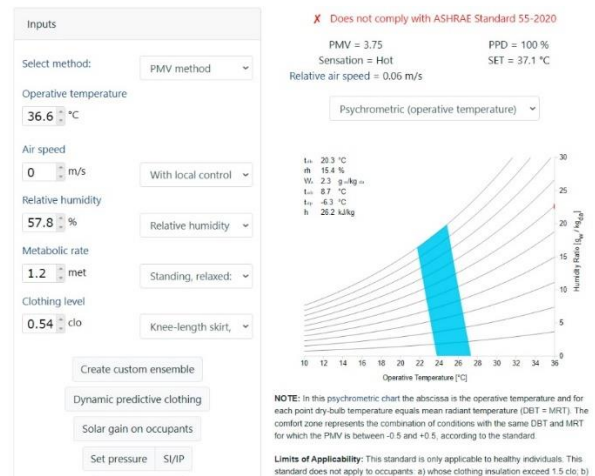
Mz. L - Lote 240



Mz. Q - Lote 311



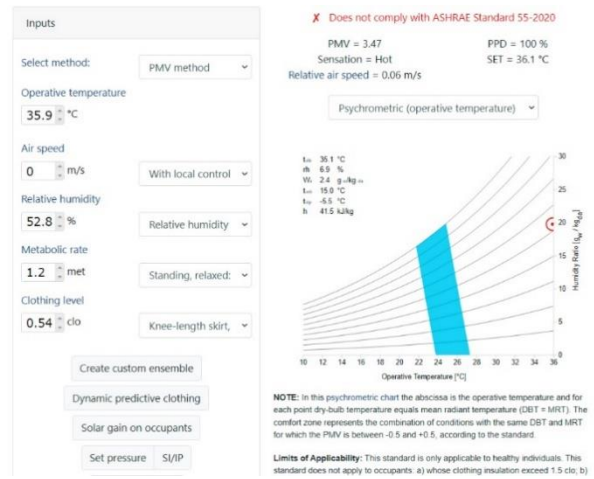
Mz. P - Lote 304



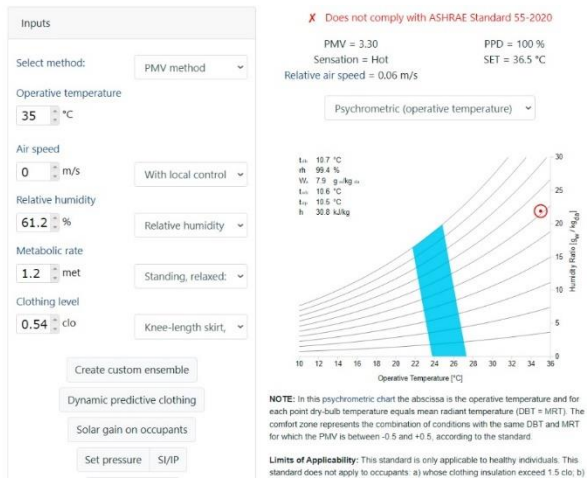
Mz P - Lote 307



Mz. M - Lote 241



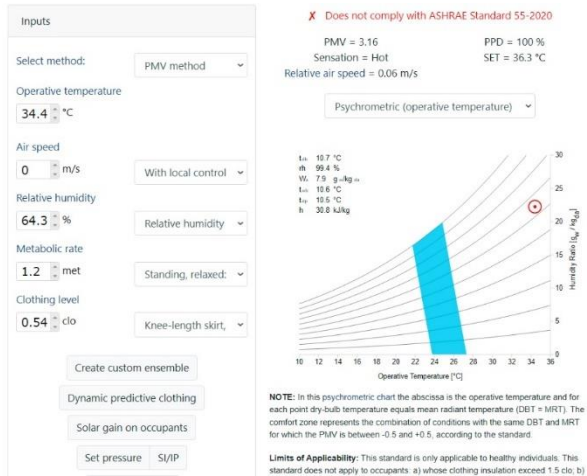
Mz. P - Lote 308



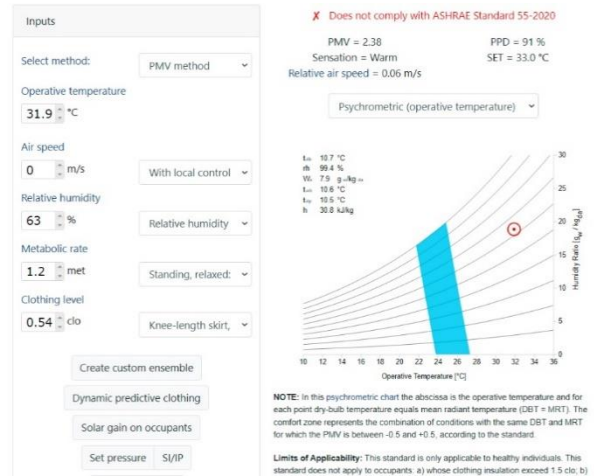
Mz. M - Lote 244



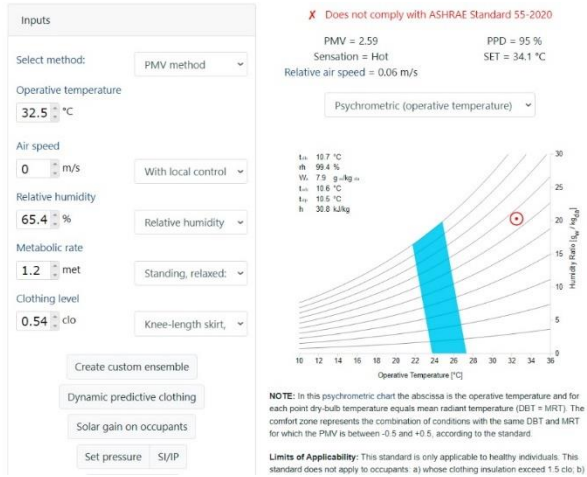
Mz. N - Lote 256



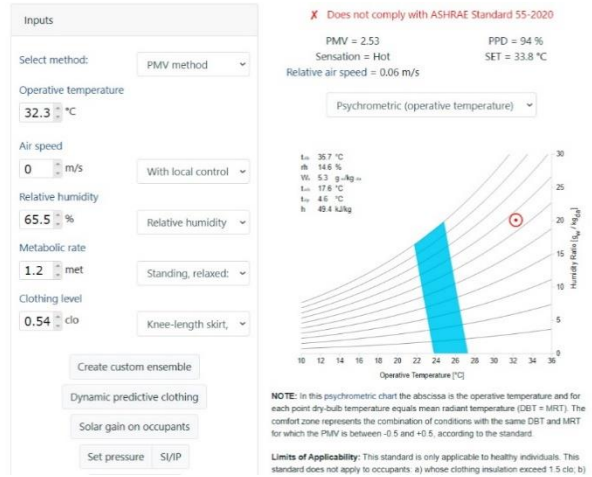
Mz. N - Lote 257



Mz. N - Lote 258



Mz. P - Lote 283



[illegible]

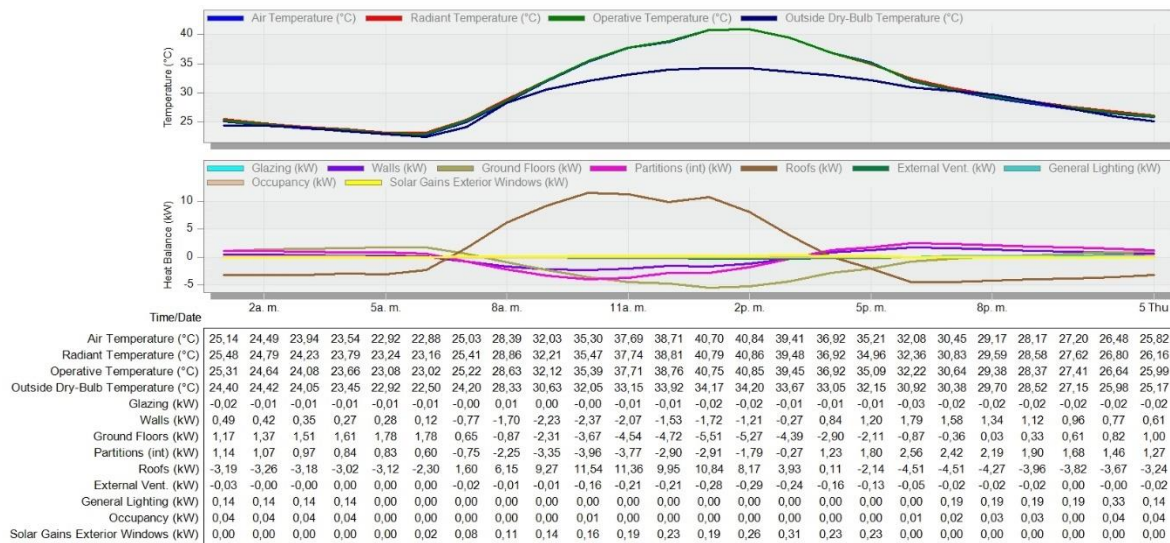
Simulación 1C con 1,6 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. N Lote 258

5 Sep - 5 Sep, Hourly

Licensed



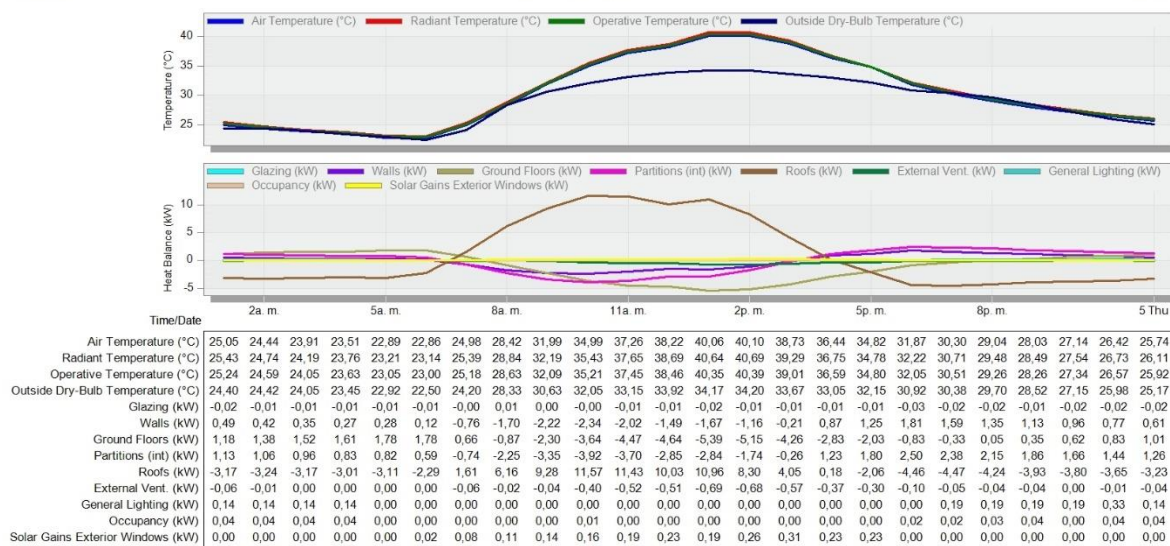
Simulación 1D con 4,8 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. N Lote 258

5 Sep - 5 Sep, Hourly

Licensed



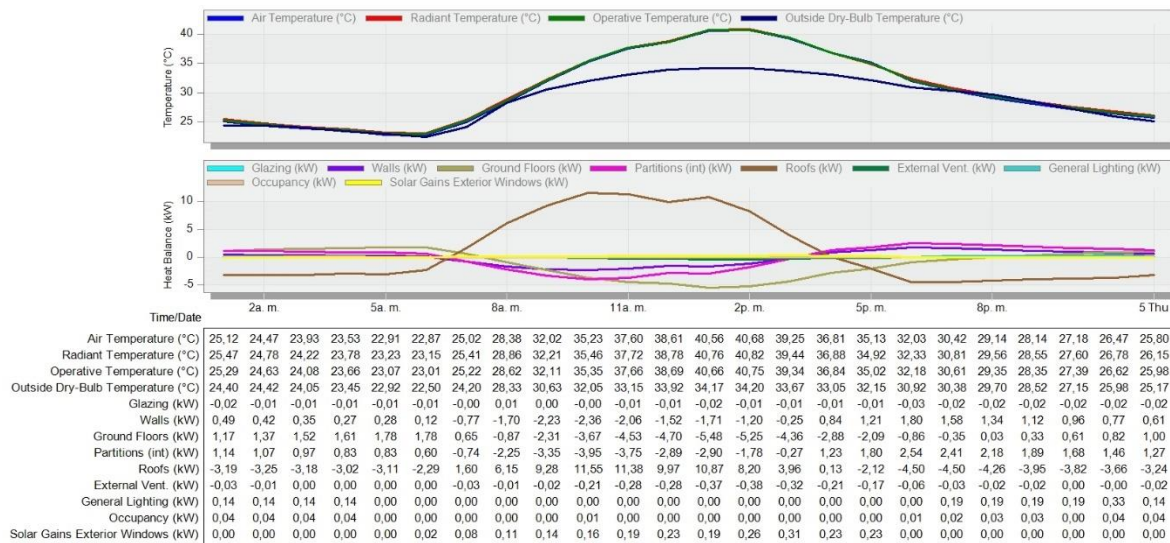
Simulación 1E con 2,2 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. N Lote 258

5 Sep - 5 Sep, Hourly

Licensed



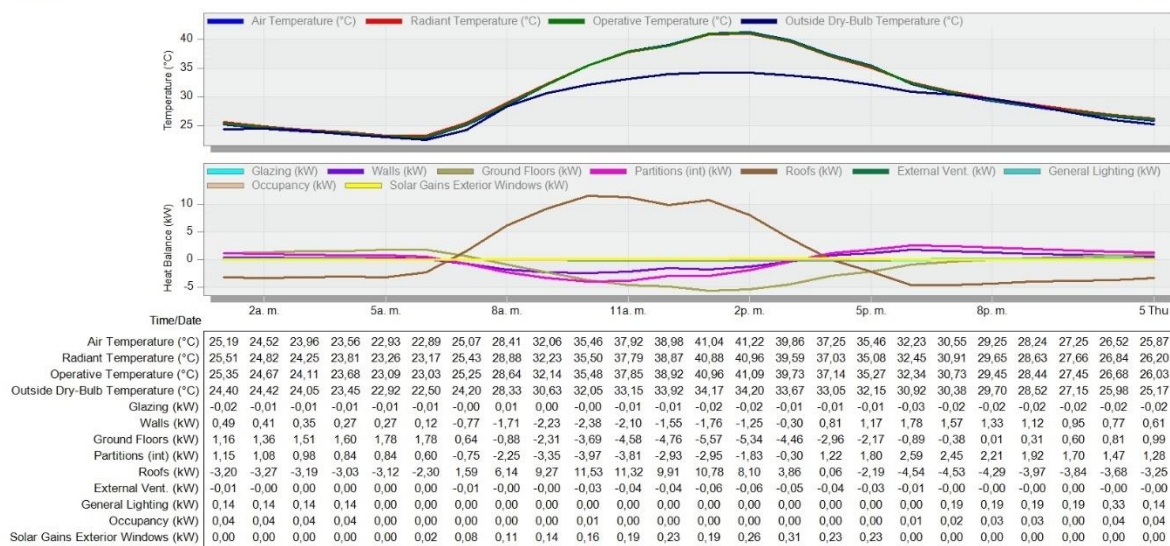
Simulación 1F con 0,3 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. N Lote 258

5 Sep - 5 Sep, Hourly

Licensed

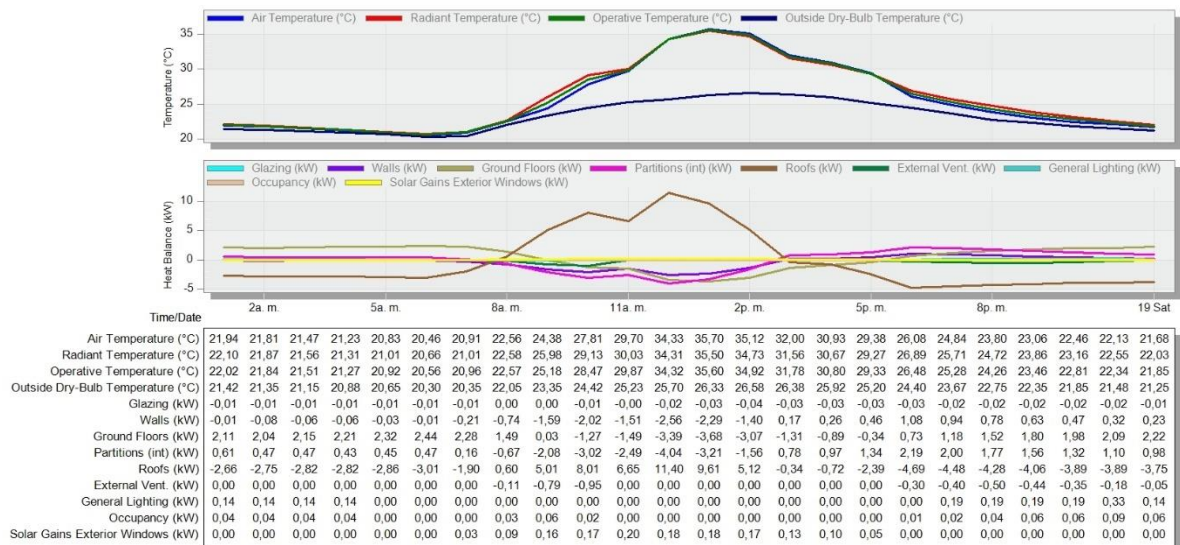


Simulación 1AA con 27.5 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. N Lote 258
19 Jan - 19 Jan, Hourly

Licensed

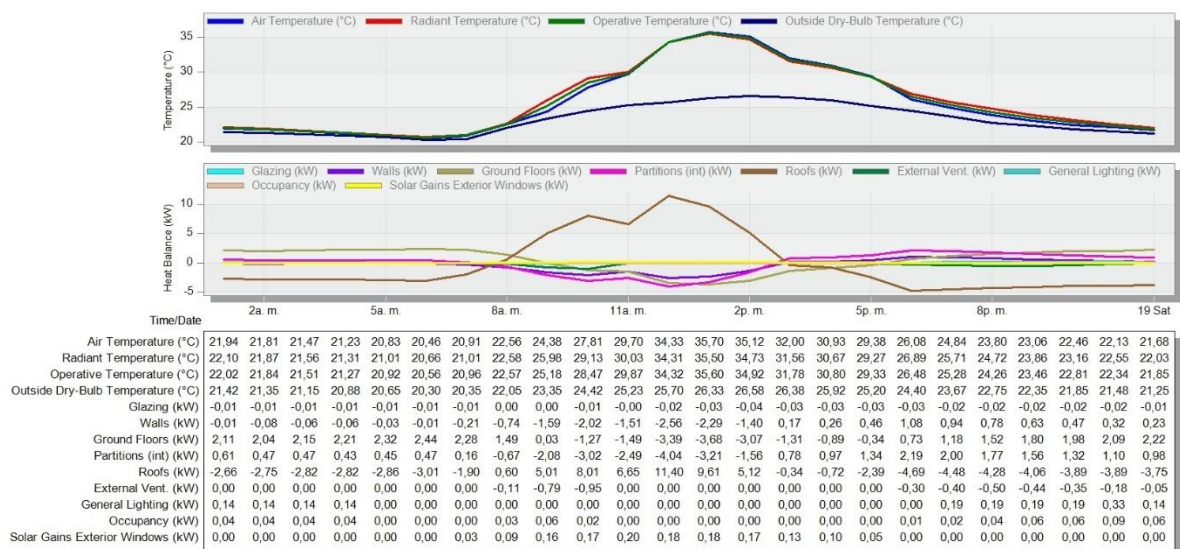


Simulación 1BB con 13 renovaciones

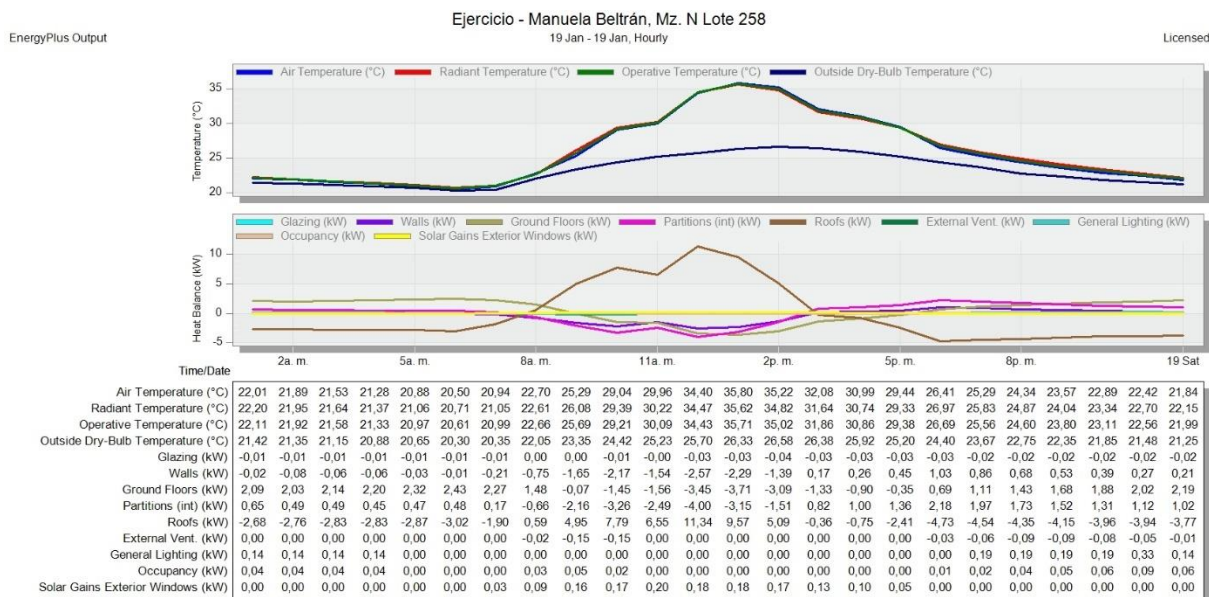
EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. N Lote 258
19 Jan - 19 Jan, Hourly

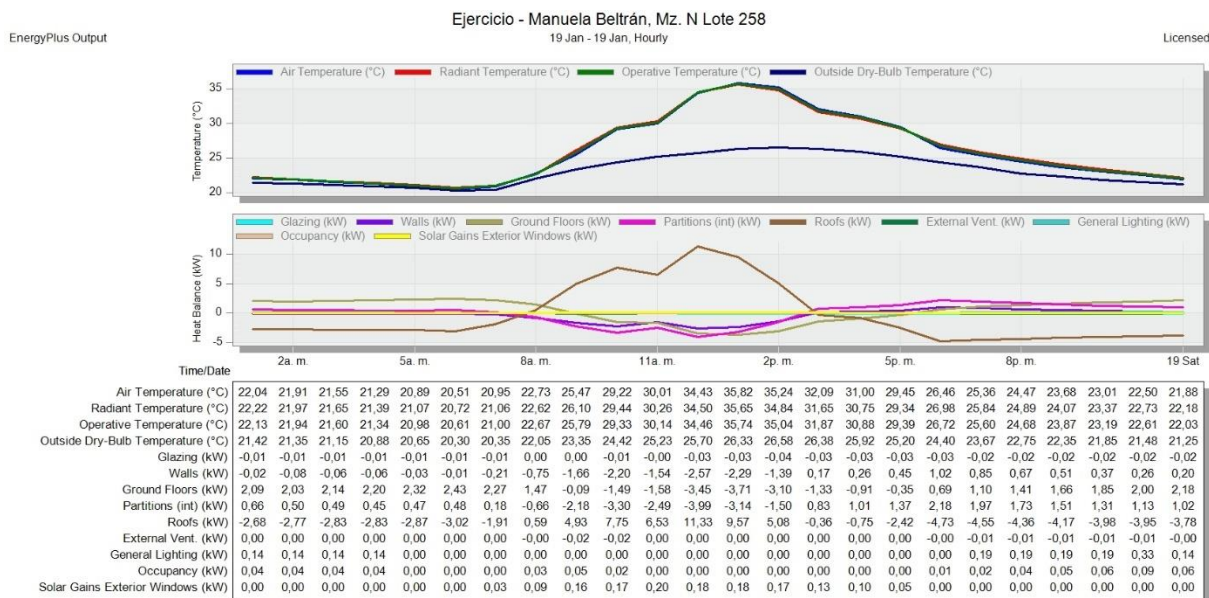
Licensed



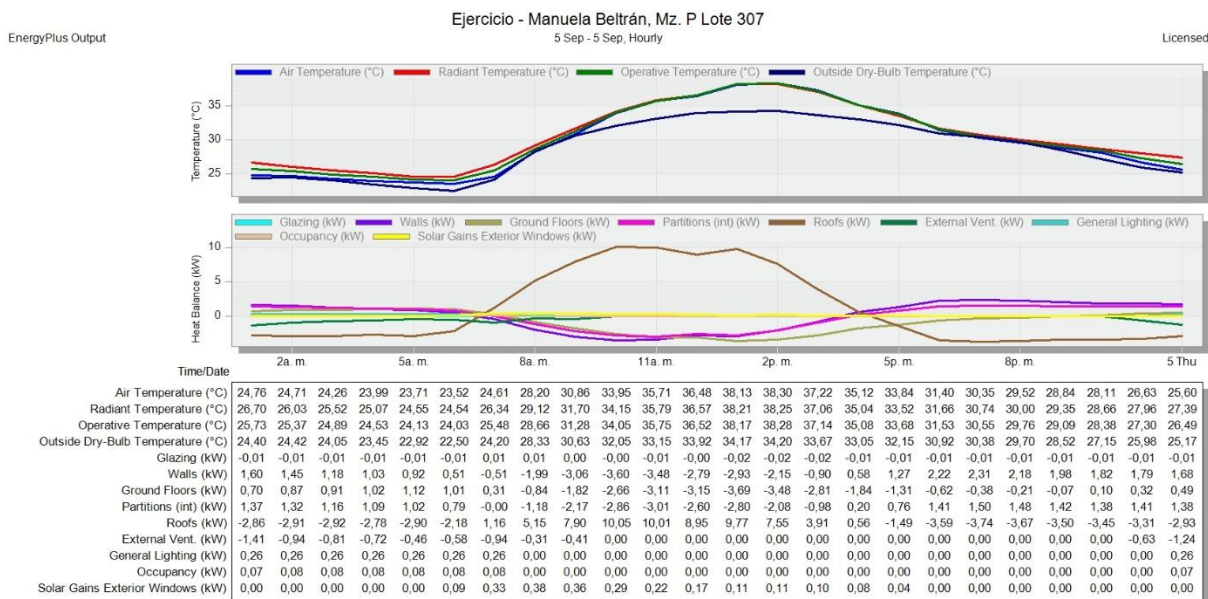
Simulación 1EE con 2,2 renovaciones



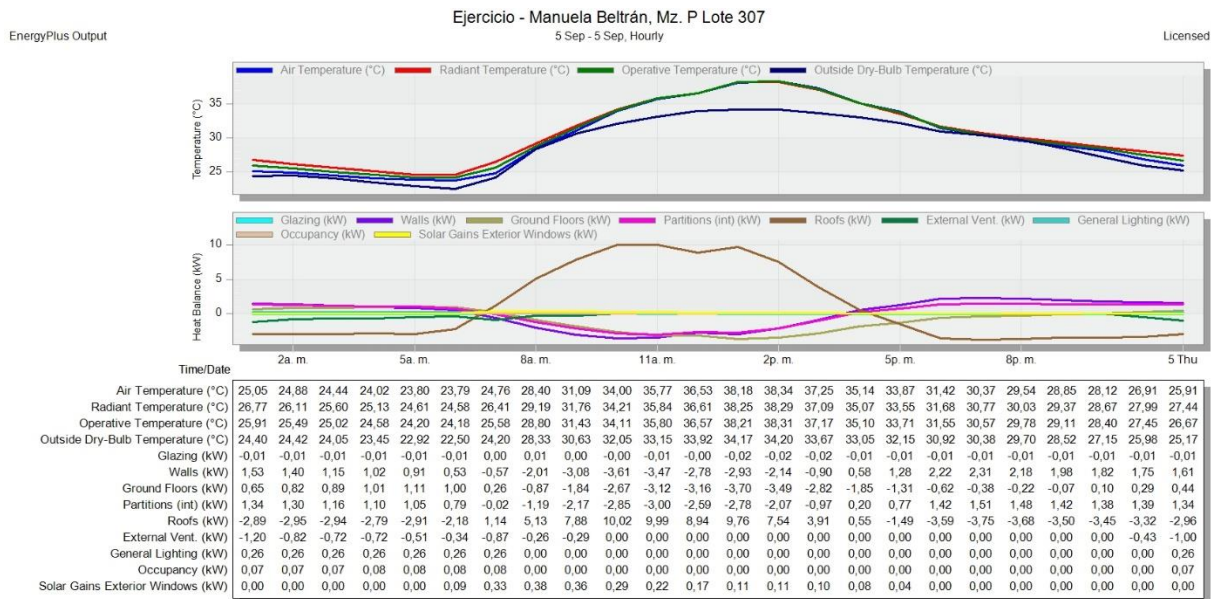
Simulación 1FF con 0,3 renovaciones



Simulación 2A con 82,7 renovaciones



Simulación 2B con 38,9 renovaciones



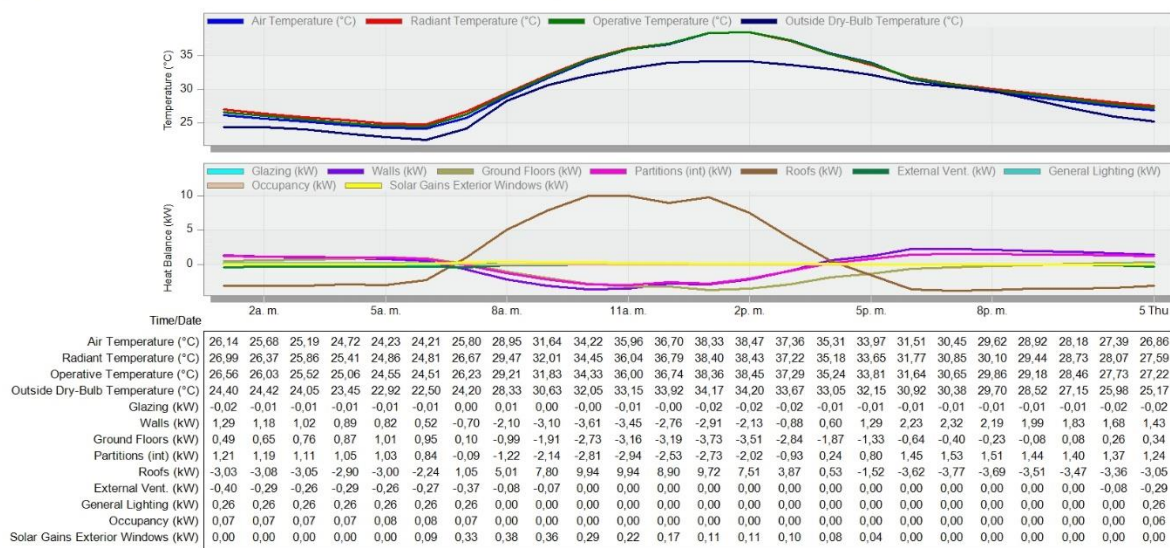
Simulación 2C con 4,9 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. P Lote 307

5 Sep - 5 Sep, Hourly

Licensed



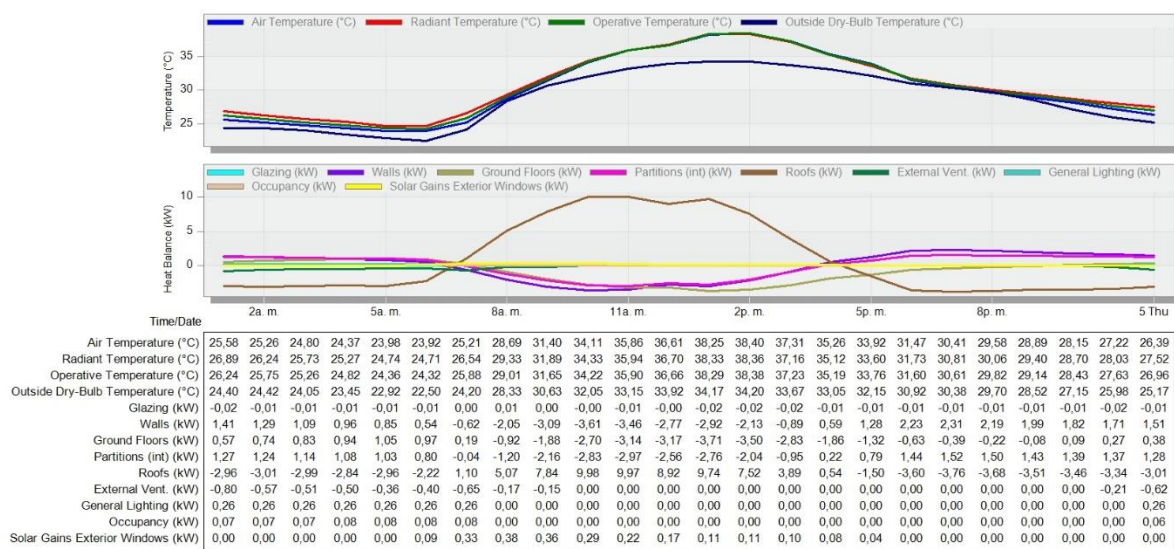
Simulación 2D con 14,4 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. P Lote 307

5 Sep - 5 Sep, Hourly

Licensed

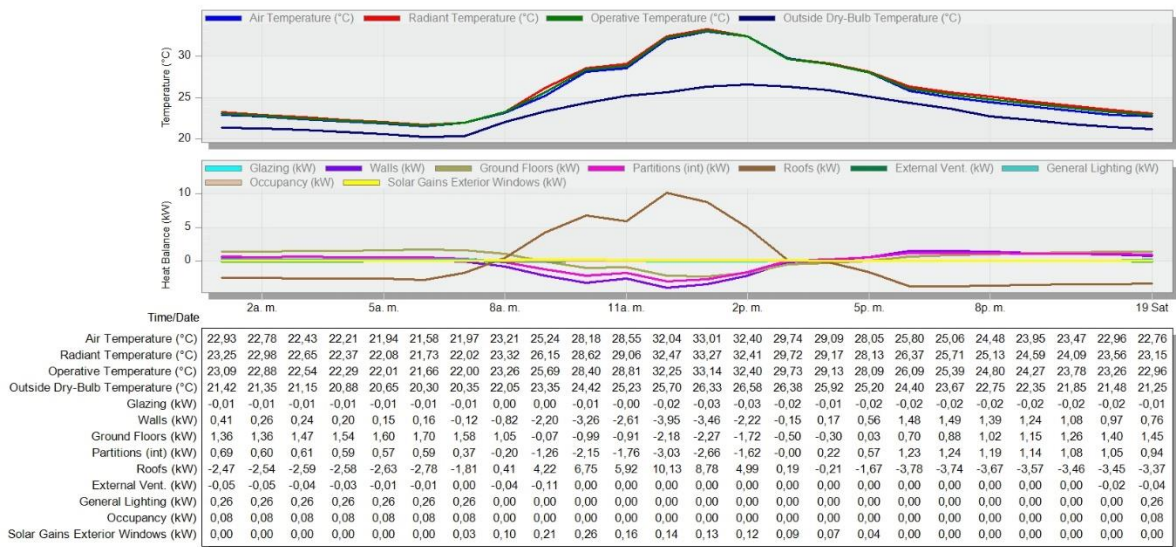


Simulación 2CC con 4,9 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. P Lote 307
19 Jan - 19 Jan, Hourly

Licensed

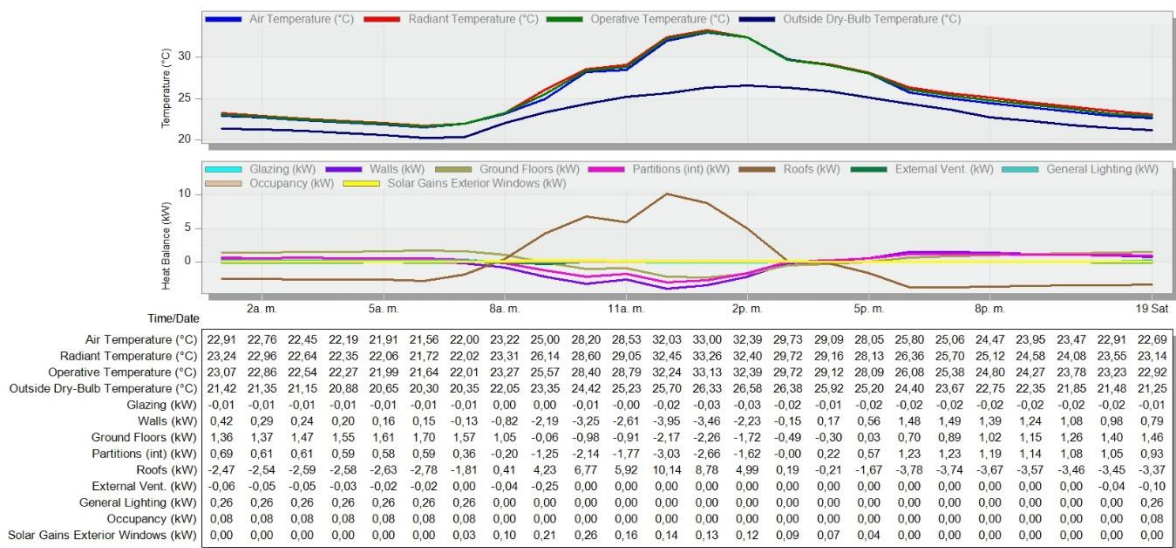


Simulación 2DD con 14,4 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. P Lote 307
19 Jan - 19 Jan, Hourly

Licensed

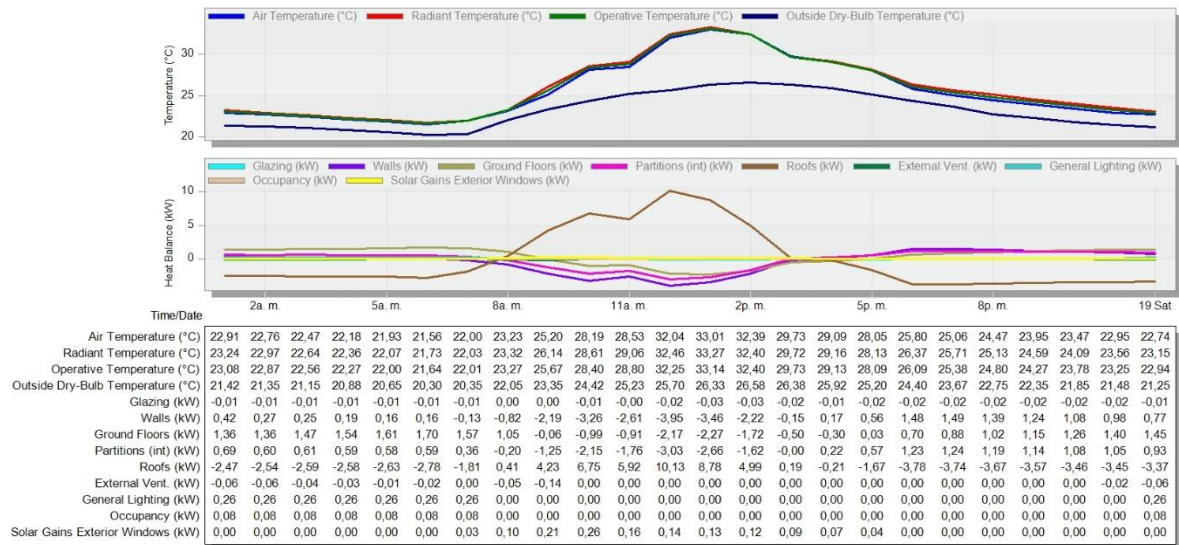


Simulación 2EE con 6,8 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. P Lote 307
19 Jan - 19 Jan, Hourly

Licensed

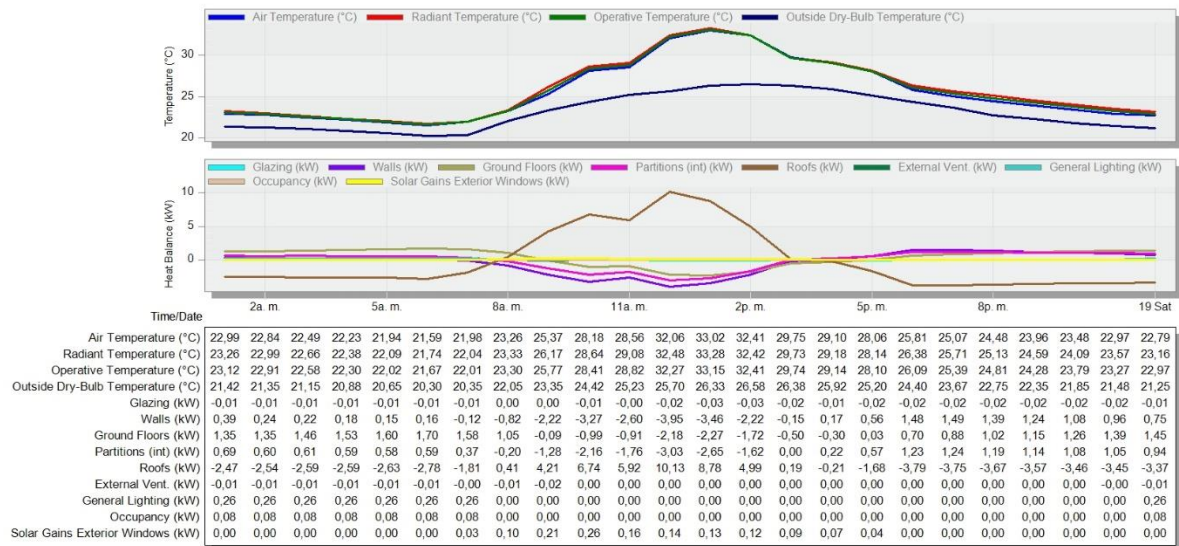


Simulación 2FF con 0,8 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. P Lote 307
19 Jan - 19 Jan, Hourly

Licensed

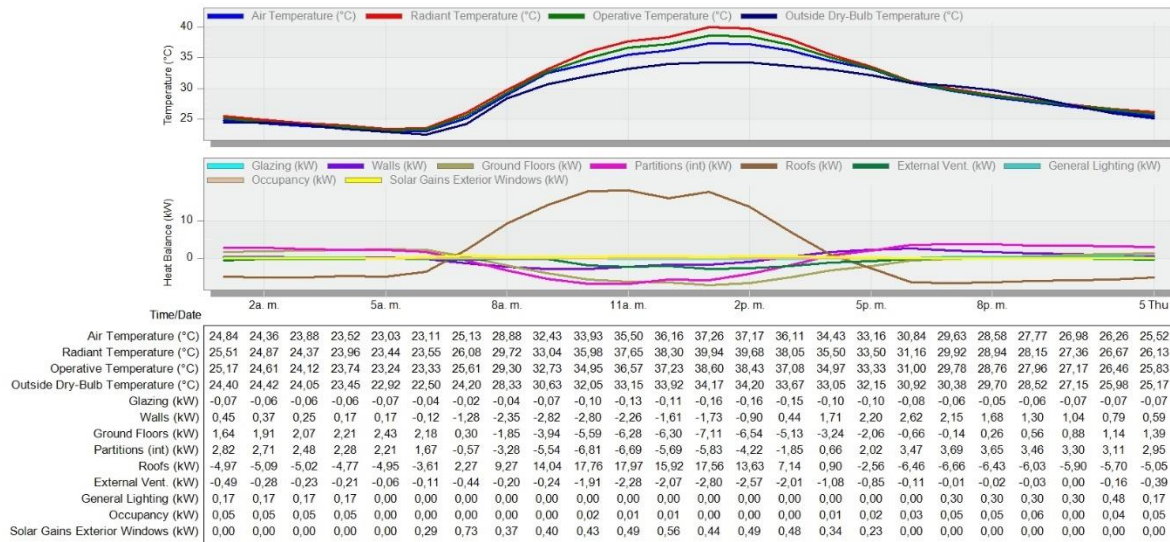


Simulación 3A con 28 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
5 Sep - 5 Sep Hourly

Licensed

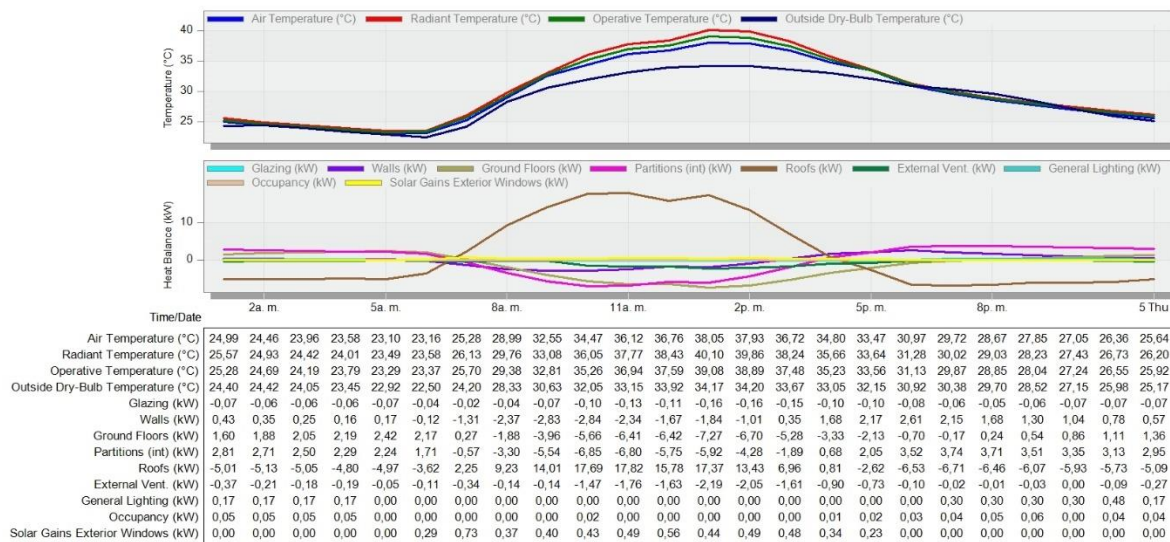


Simulación 3B con 13,2 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
5 Sep - 5 Sep, Hourly

Licensed

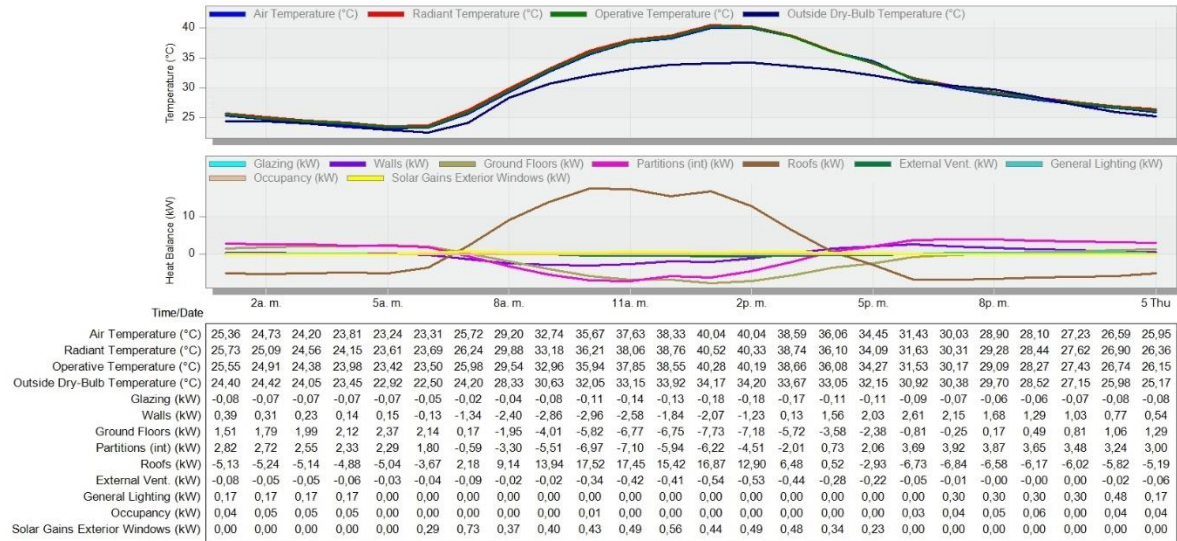


Simulación 3C con 1,6 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
5 Sep - 5 Sep, Hourly

Licensed

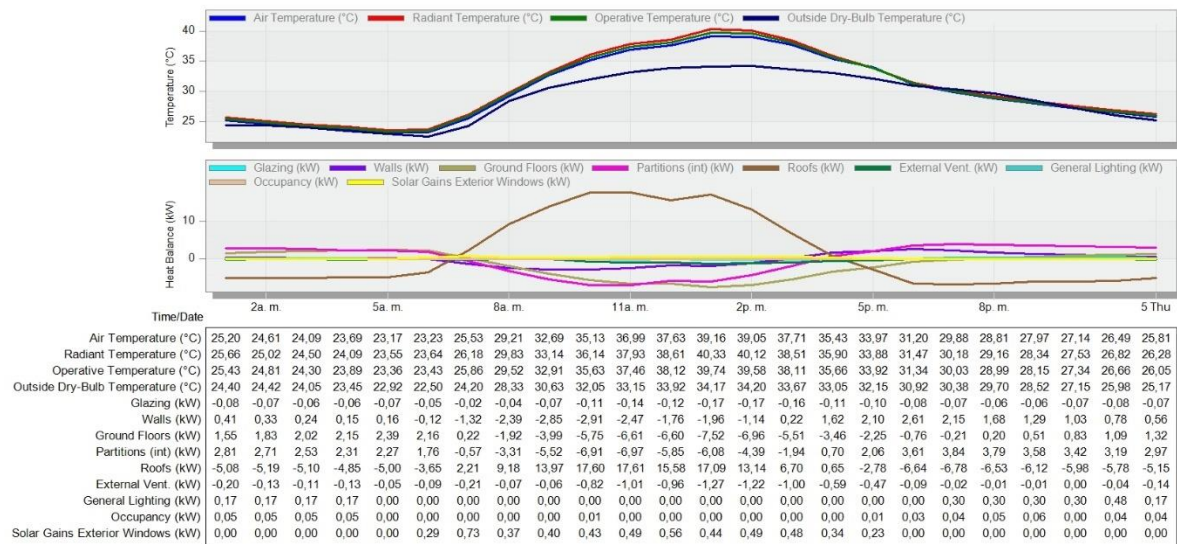


Simulación 3D con 4,9 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
5 Sep - 5 Sep, Hourly

Licensed

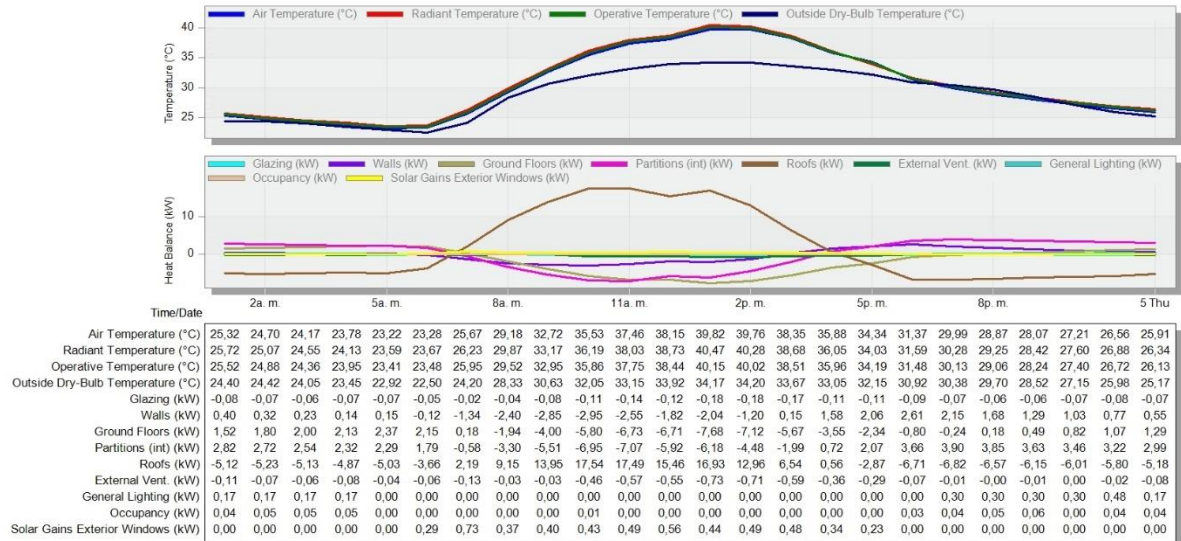


Simulación 3E con 2,3 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
5 Sep - 5 Sep, Hourly

Licensed

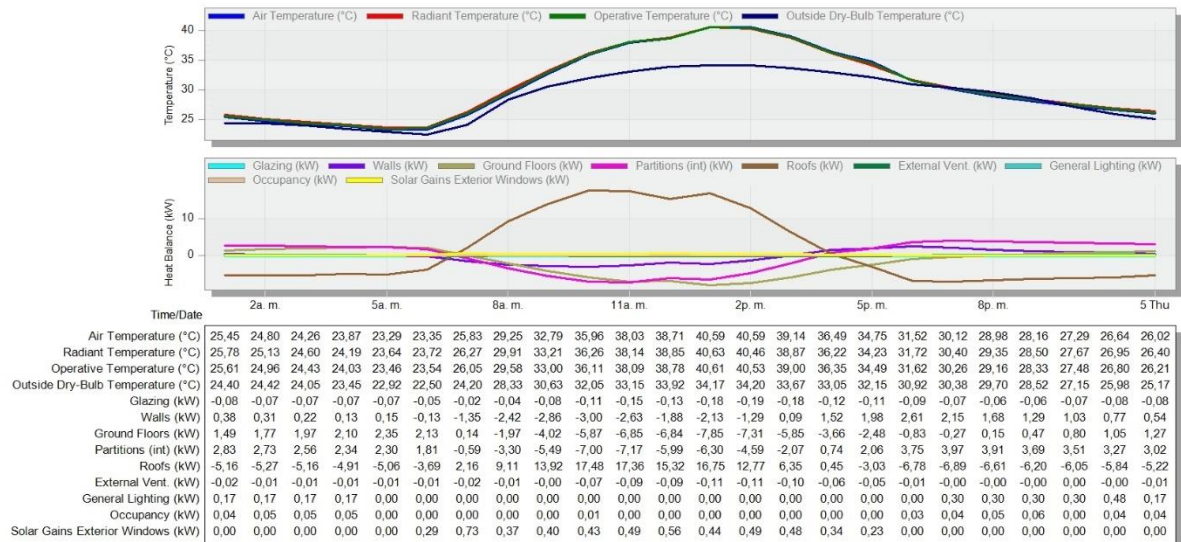


Simulación 3F con 0,3 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
5 Sep - 5 Sep, Hourly

Licensed

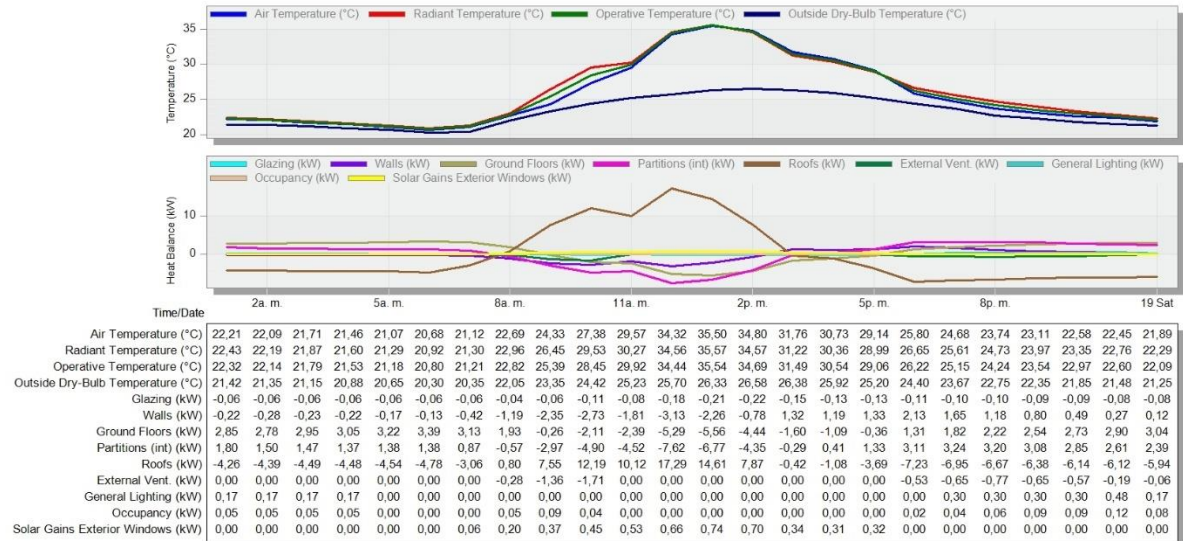


Simulación 3AA con 28 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
19 Jan - 19 Jan, Hourly

Licensed

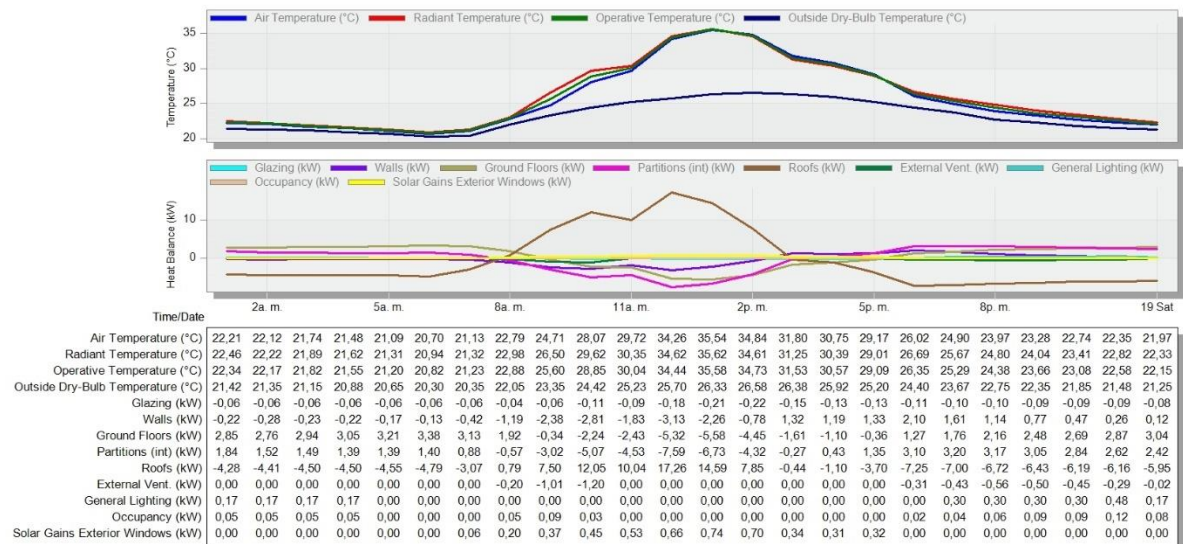


Simulación 3BB con 13,2 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
19 Jan - 19 Jan, Hourly

Licensed

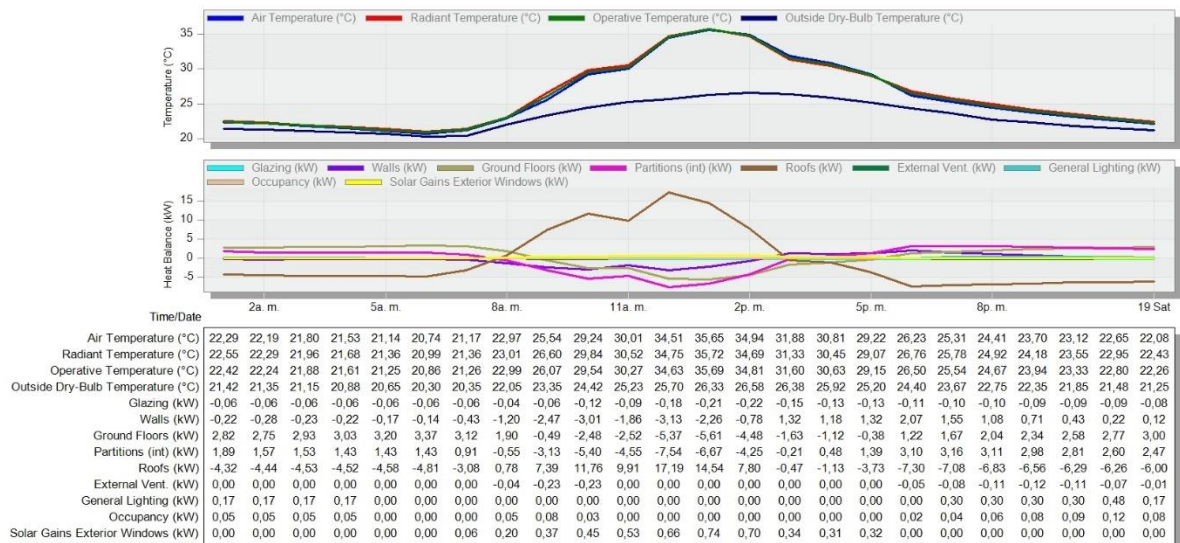


Simulación 3CC con 1,6 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
19 Jan - 19 Jan, Hourly

Licensed

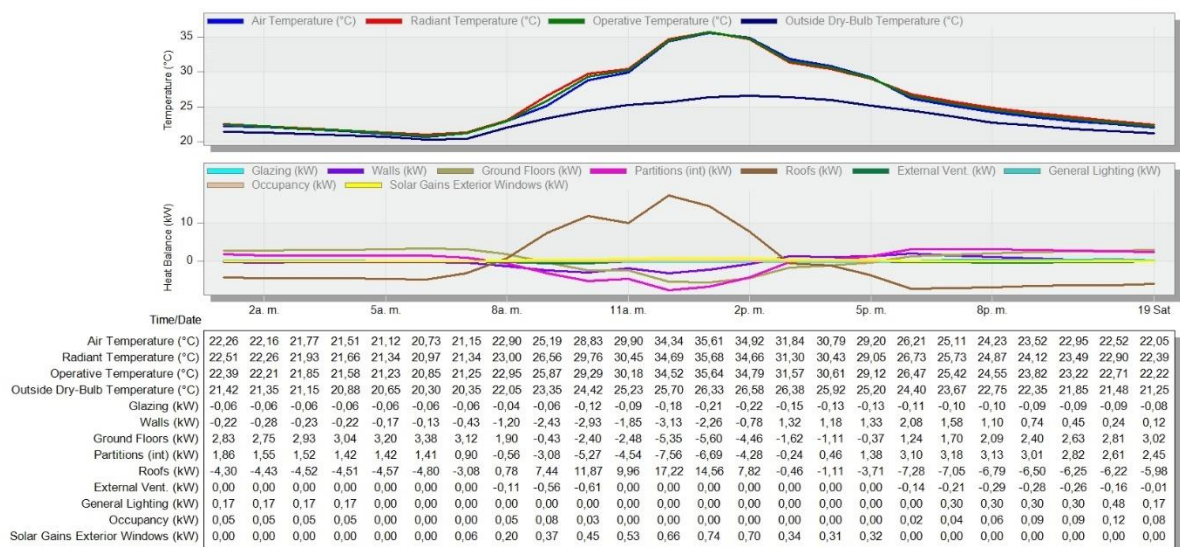


Simulación 3DD con 4,9 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
19 Jan - 19 Jan, Hourly

Licensed

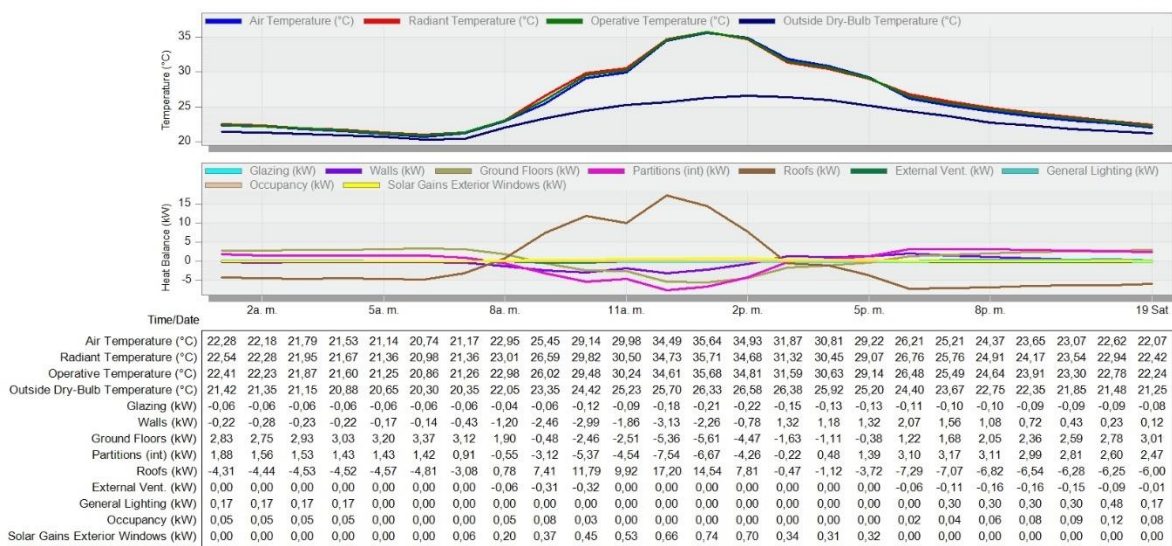


Simulación 3EE con 2,3 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
19 Jan - 19 Jan, Hourly

Licensed

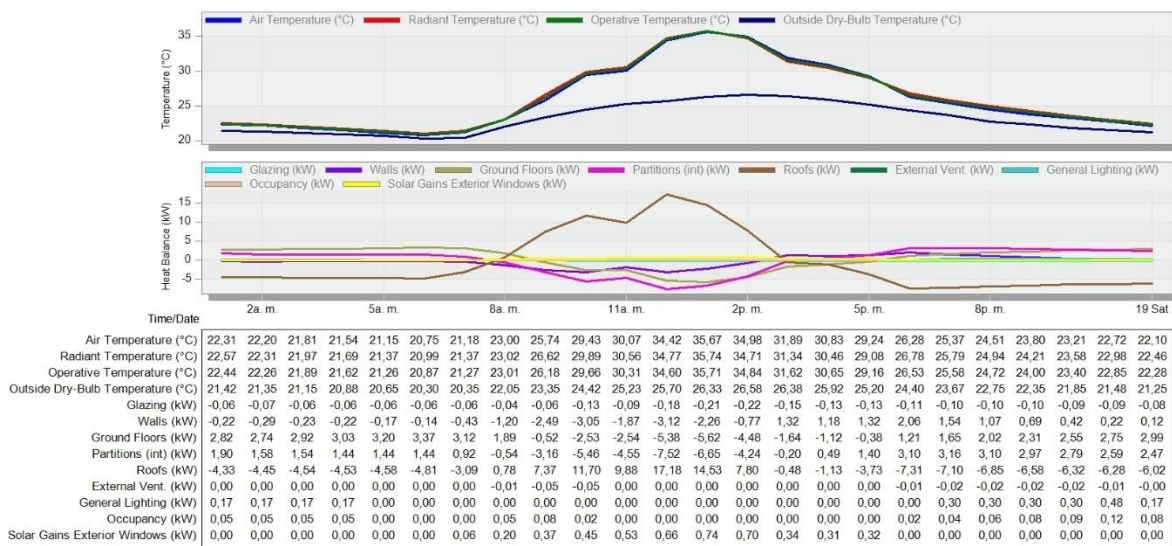


Simulación 3FF con 0,3 renovaciones

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179
19 Jan - 19 Jan, Hourly

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[illegible][illegible]

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. P Lote 307

5 Sep - 5 Sep, Hourly

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The figure displays EnergyPlus simulation results for a building. It includes two line charts and a data table.

Top Chart: Temperatures (°C)

- Air Temperature (°C):** Blue line, fluctuates between 24.40 and 35.28.
- Radiant Temperature (°C):** Red line, fluctuates between 25.98 and 35.28.
- Operative Temperature (°C):** Green line, fluctuates between 25.98 and 35.28.
- Outside Dry-Bulb Temperature (°C):** Dark blue line, fluctuates between 24.40 and 35.28.

Bottom Chart: Heat Balance (kW)

- Glazing (kW):** Cyan line, fluctuates between -0.01 and 0.07.
- Walls (kW):** Purple line, fluctuates between -1.68 and 2.06.
- Ground Floors (kW):** Olive line, fluctuates between -0.26 and 0.00.
- Partitions (int) (kW):** Magenta line, fluctuates between -1.17 and 1.17.
- Roofs (kW):** Brown line, fluctuates between -2.06 and 6.19.
- External Vent. (kW):** Dark green line, fluctuates between -1.68 and 0.00.
- General Lighting (kW):** Teal line, fluctuates between 0.00 and 0.00.
- Occupancy (kW):** Tan line, fluctuates between 0.00 and 0.00.
- Solar Gains Exterior Windows (kW):** Yellow line, fluctuates between 0.00 and 0.00.

Time/Date

Air Temperature (°C)	24.85	24.77	24.36	24.04	23.86	23.68	24.60	27.75	29.97	31.91	33.34	34.05	35.38	35.72	35.28	33.94	33.13	31.22	30.37	29.69	29.11	28.51	26.82	25.70
Radiant Temperature (°C)	27.11	26.48	26.01	25.55	25.11	24.95	26.13	28.17	30.18	32.02	33.42	34.04	35.39	35.65	35.13	33.71	32.77	31.29	30.57	29.99	29.46	28.91	28.31	27.73
Operative Temperature (°C)	25.98	25.63	25.19	24.80	24.49	24.31	25.36	27.96	30.08	31.97	33.38	34.05	35.38	35.69	35.20	33.82	32.95	31.26	30.47	29.84	29.29	28.71	27.57	26.72
Outside Dry-Bulb Temperature (°C)	24.40	24.42	24.05	23.45	22.92	22.50	24.20	28.33	30.63	32.05	33.15	33.92	34.17	34.20	33.67	33.05	32.15	30.92	30.38	29.70	28.52	27.15	25.98	25.17
Glazing (kW)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.01	0.02	0.01	0.01	0.01	0.01	-0.00	-0.01	-0.01	-0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01
Walls (kW)	1.44	1.30	1.04	0.93	0.74	0.50	-0.35	-1.48	-2.33	-2.60	-2.50	-1.95	-2.01	-1.54	-0.74	0.42	0.96	1.78	1.92	1.83	1.66	1.51	1.53	1.50
Ground Floors (kW)	0.56	0.73	0.78	0.91	0.96	0.93	0.40	-0.48	-1.24	-1.82	-2.20	-2.25	-2.67	-2.63	-2.29	-1.61	-1.25	-0.69	-0.47	-0.33	-0.21	-0.07	0.14	0.35
Partitions (int) (kW)	1.17	1.15	1.02	0.99	0.89	0.75	0.14	-0.74	-1.53	-2.02	-2.22	-2.22	-1.96	-2.11	-1.70	-1.02	-0.13	0.30	0.84	0.97	1.00	0.99	0.99	1.08
Roofs (kW)	-2.06	-2.11	-2.13	-2.03	-2.11	-1.73	0.47	3.28	5.29	6.76	7.07	6.19	6.94	5.61	3.45	0.78	-0.50	-2.38	-2.63	-2.65	-2.53	-2.50	-2.39	-2.14
External Vent. (kW)	-1.68	-1.28	-1.17	-1.11	-0.80	-0.81	-0.87	-0.05	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.79	-1.46
General Lighting (kW)	0.26	0.26	0.26	0.26	0.26	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26
Occupancy (kW)	0.07	0.07	0.07	0.08	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
Solar Gains Exterior Windows (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.33	0.38	0.36	0.29	0.22	0.17	0.11	0.10	0.08</								

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. P Lote 307

5 Sep - 5 Sep, Hourly

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Temperature (°C)

Heat Balance (kW)

Time/Date

Time/Date	Air Temperature (°C)	Radiant Temperature (°C)	Operative Temperature (°C)	Outside Dry-Bulb Temperature (°C)	Glazing (kW)	Walls (kW)	Ground Floors (kW)	Partitions (int) (kW)	Roofs (kW)	External Vent. (kW)	General Lighting (kW)	Occupancy (kW)	Solar Gains Exterior Windows (kW)
2a m	27.22	27.62	27.42	24.40	-0.02	0.96	0.22	0.90	-2.26	-0.10	0.26	0.06	0.00
3a m	26.73	27.10	26.92	24.42	-0.02	0.86	0.36	0.90	-2.33	-0.08	0.26	0.06	0.00
4a m	26.27	26.64	26.45	24.05	-0.02	0.73	0.47	0.88	-2.32	-0.08	0.26	0.07	0.00
5a m	25.86	26.23	26.05	23.45	-0.02	0.64	0.58	0.85	-2.23	-0.09	0.26	0.07	0.00
6a m	25.41	25.78	25.60	22.92	-0.02	0.54	0.69	0.83	-2.23	-0.09	0.26	0.07	0.00
7a m	25.20	25.59	25.39	22.50	-0.02	0.64	0.69	0.83	-1.88	-0.09	0.26	0.07	0.00
8a m	26.59	26.75	26.67	24.20	0.00	0.34	0.53	0.74	1.14	0.00	0.26	0.07	0.00
9a m	28.46	28.82	28.64	26.33	0.01	0.01	0.01	0.01	6.68	0.00	0.00	0.00	0.33
10a m	30.49	30.70	30.60	28.33	0.01	0.01	0.00	0.01	5.21	0.00	0.00	0.00	0.38
11a m	32.37	32.48	32.43	30.63	0.00	0.01	0.00	0.01	7.00	0.00	0.00	0.00	0.36
12a m	33.75	33.83	33.79	32.05	0.01	0.00	0.00	0.01	6.12	0.00	0.00	0.00	0.29
13a m	34.41	34.41	34.41	33.92	0.00	0.00	0.00	0.00	6.88	0.00	0.00	0.00	0.17
14a m	35.71	35.72	35.72	34.17	-0.00	0.00	0.00	0.00	6.12	0.00	0.00	0.00	0.11
15a m	36.01	35.95	35.95	34.20	-0.01	0.00	0.00	0.00	5.56	0.00	0.00	0.00	0.11
16a m	35.54	35.40	35.47	33.67	-0.01	0.45	0.00	0.00	3.40	0.00	0.00	0.00	0.10
17a m	34.17	33.95	34.06	33.05	0.00	0.98	0.00	0.00	0.74	0.00	0.00	0.00	0.08
18a m	33.34	33.00	33.17	32.15	0.00	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.04
19a m	31.42	31.50	31.46	30.92	-0.01	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20a m	30.65	30.76	30.66	30.38	-0.01	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21a m	29.86	30.16	30.01	29.70	-0.01	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22a m	29.27	29.62	29.44	28.52	-0.02	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23a m	28.64	28.05	28.50	25.98	-0.02	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24a m	28.01	27.15	25.98	25.17	-0.02	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25a m	27.72	27.62	27.42	24.40	-0.02	0.96	0.22	0.90	-2.26	-0.10	0.26	0.06	0.00
26a m	26.73	27.10	26.92	24.42	-0.02	0.86	0.36	0.90	-2.33	-0.08	0.26	0.06	0.00
27a m	26.27	26.64	26.45	24.05	-0.02	0.73	0.47	0.88	-2.32	-0.08	0.26	0.07	0.00
28a m	25.86	26.23	26.05	23.45	-0.02	0.64	0.58	0.85	-2.23	-0.09	0.26	0.07	0.00
29a m	25.41	25.78	25.60	22.92	-0.02	0.54</							

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. P Lote 307

19 Jan - 19 Jan, Hourly

Licensed

Temperature (°C)

Heat Balance (kW)

Time/Date

Air Temperature (°C)	23.50	23.45	23.21	22.97	22.74	22.52	22.68	23.38	24.47	27.03	27.34	29.86	30.83	30.76	29.02	28.38	27.88	26.08	25.44	24.93	24.52	24.13	23.55	23.49
Radiant Temperature (°C)	23.81	23.62	23.34	23.09	22.84	22.55	22.67	23.48	25.49	27.51	27.69	30.31	31.08	30.83	28.93	28.49	27.88	26.47	25.93	25.47	25.04	24.63	24.19	23.84
Operative Temperature (°C)	23.66	23.53	23.27	23.03	22.79	22.54	22.67	23.43	24.98	27.27	27.51	30.09	30.95	30.80	28.97	28.44	27.88	26.27	25.68	25.20	24.78	24.38	23.87	23.66
Outside Dry-Bulb Temperature (°C)	21.42	21.35	21.15	20.88	20.65	20.30	20.35	22.05	23.35	24.42	25.23	25.70	26.33	26.58	26.38	25.92	25.20	24.40	23.67	22.75	22.35	21.85	21.48	21.25
Glazing (kW)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.00	0.00	-0.00	-0.00	-0.01	-0.02	-0.02	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
Walls (kW)	0.26	0.14	0.07	0.04	0.01	-0.00	-0.22	-0.68	-1.64	-2.50	-2.00	-2.88	-2.63	-1.88	-0.32	0.05	0.32	1.08	1.16	1.07	0.95	0.81	0.73	0.53
Ground Floors (kW)	1.16	1.19	1.25	1.31	1.38	1.45	1.38	1.06	0.30	-0.48	-0.40	-1.32	-1.47	-1.23	-0.38	-0.20	0.00	0.53	0.71	0.82	0.93	1.03	1.16	1.20
Partitions (int) (kW)	0.55	0.51	0.48	0.47	0.46	0.47	0.34	-0.02	-0.75	-1.47	-1.21	-2.12	-1.97	-1.39	-0.22	0.02	0.26	0.78	0.85	0.84	0.82	0.79	0.80	0.70
Roofs (kW)	-2.01	-1.90	-1.99	-2.00	-2.03	-2.13	-1.59	-0.11	2.62	4.91	3.76	7.04	6.28	4.18	0.49	-0.00	-0.80	-2.69	-2.75	-2.72	-2.66	-2.59	-2.57	-2.55
External Vent. (kW)	-0.14	-0.10	-0.06	-0.05	-0.05	0.00	0.00	-0.07	-0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.11	-0.09
General Lighting (kW)	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26
Occupancy (kW)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
Solar Gains Exterior Windows (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.10	0.21	0.26	0.16	0.14	0.13	0.12	0.09	0.07	0.04	0.00	0.00	0.00	0.00	0.00	0.00

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EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179

5 Sep - 5 Sep, Hourly

Licensed

Temperature (°C)

Air Temperature (°C) Radiant Temperature (°C) Operative Temperature (°C) Outside Dry-Bulb Temperature (°C)

Heat Balance (kW)

Glazing (kW) Walls (kW) Ground Floors (kW) Partitions (int) (kW) Roofs (kW) External Vent. (kW) General Lighting (kW) Occupancy (kW) Solar Gains Exterior Windows (kW)

Time/Date

Time/Date	Air Temperature (°C)	Radiant Temperature (°C)	Operative Temperature (°C)	Outside Dry-Bulb Temperature (°C)	Glazing (kW)	Walls (kW)	Ground Floors (kW)	Partitions (int) (kW)	Roofs (kW)	External Vent. (kW)	General Lighting (kW)	Occupancy (kW)	Solar Gains Exterior Windows (kW)
2a. m.	25.48	26.18	25.83	24.40	-0.09	0.27	1.24	2.41	-3.70	-0.66	0.17	0.05	0.00
5a. m.	25.06	26.61	25.34	24.24	-0.08	0.17	1.49	2.34	-3.82	-0.48	0.17	0.05	0.00
8a. m.	24.60	25.14	24.75	24.08	-0.08	0.01	1.65	2.16	-3.82	-0.44	0.17	0.05	0.00
11a. m.	23.88	24.75	24.29	24.01	-0.02	-0.23	1.80	1.96	-3.65	-0.51	0.17	0.05	0.00
2p. m.	23.81	24.22	24.02	24.20	-0.06	-0.02	1.99	1.62	-3.72	-0.27	0.17	0.05	0.00
5p. m.	25.23	25.94	25.68	24.58	-0.02	-0.04	1.85	1.03	-3.94	-0.22	0.17	0.05	0.00
8p. m.	28.04	28.68	28.36	28.33	0.00	-0.04	1.09	0.94	-3.97	-0.04	0.17	0.05	0.00
5 Thu	30.95	31.30	30.99	30.63	0.00	-0.07	0.71	0.97	-4.79	-0.06	0.17	0.05	0.00
	32.59	33.59	33.12	33.09	0.00	-0.05	0.49	0.97	-5.46	-0.09	0.17	0.05	0.00
	33.99	35.12	34.55	34.55	0.00	-0.07	0.36	0.97	-5.21	-0.09	0.17	0.05	0.00
	34.68	37.07	37.13	36.30	0.00	-0.08	0.42	0.97	-4.42	-0.07	0.17	0.05	0.00
	35.57	37.43	37.13	36.30	0.00	-0.09	0.42	0.97	-3.00	-0.11	0.17	0.05	0.00
	35.68	36.30	36.43	35.67	0.00	0.00	0.42	0.97	-2.16	-0.09	0.17	0.05	0.00
	35.04	34.43	33.11	31.11	0.00	0.00	0.42	0.97	-0.43	-0.08	0.17	0.05	0.00
	33.81	32.97	31.05	30.00	0.00	0.00	0.42	0.97	0.26	0.00	0.17	0.05	0.00
	32.83	32.15	30.92	30.38	0.00	0.00	0.42	0.97	0.69	0.00	0.17	0.05	0.00
	30.99	29.22	28.52	27.15	0.00	0.00	0.42	0.97	0.44	0.00	0.17	0.05	0.00
	29.02	28.42	27.85	25.98	0.00	0.00	0.42	0.97	0.00	0.00	0.17	0.05	0.00
	28.30	27.76	27.11	25.98	0.00	0.00	0.42	0.97	0.00	0.00	0.17	0.05	0.00
	27.64	27.27	26.74	25.17	0.00	0.00	0.42	0.97	0.00	0.00	0.17	0.05	0.00
	26.96	26.74	26.44	25.17	0.00	0.00	0.42	0.97	0.00	0.00	0.17	0.05	0.00

EnergyPlus Output

Ejercicio - Manuela Beltrán, Mz. H Lote 179

5 Sep - 5 Sep, Hourly

Licensed

The figure consists of two line charts. The top chart shows temperatures in °C over time. The bottom chart shows heat balance components in kW over time. Both charts show data for a 5-day period from September 5th to 9th.

Top Chart: Temperatures (°C)

- Air Temperature (°C)
- Radiant Temperature (°C)
- Operative Temperature (°C)
- Outside Dry-Bulb Temperature (°C)

Bottom Chart: Heat Balance (kW)

- Glazing (kW)
- Walls (kW)
- Ground Floors (kW)
- Partitions (int) (kW)
- Roofs (kW)
- External Vent. (kW)
- General Lighting (kW)
- Occupancy (kW)
- Solar Gains Exterior Windows (kW)

Time/Date

Time/Date	2a m	5a m	8a m	11a m	2p m	5p m	8p m	5 Thu
Air Temperature (°C)	26,25	25,68	25,19	24,82	24,31	24,21	25,81	28,31
Radiant Temperature (°C)	26,46	25,89	25,41	25,02	24,56	24,46	26,18	28,92
Operative Temperature (°C)	26,35	25,78	25,30	24,92	24,43	24,34	26,00	28,61
Outside Dry-Bulb Temperature (°C)	24,40	24,42	24,05	23,45	22,92	22,50	24,20	28,33
Glazing (kW)	-0,10	-0,09	-0,08	-0,09	-0,07	-0,07	-0,03	-0,04
Walls (kW)	0,17	0,08	0,00	-0,08	-0,28	-1,11	-1,79	-1,99
Ground Floors (kW)	1,04	1,29	1,49	1,62	1,83	1,71	3,13	-1,20
Partitions (int) (kW)	2,29	2,25	2,14	1,99	1,97	1,65	-0,06	-2,07
Roofs (kW)	-3,85	-3,96	-3,94	-3,78	-3,85	-3,14	0,84	5,87
External Vent. (kW)	-0,02	-0,02	-0,02	-0,02	-0,02	-0,02	-0,00	-0,03
General Lighting (kW)	0,17	0,17	0,17	0,17	0,00	0,00	0,00	0,00
Occupancy (kW)	0,04	0,04	0,05	0,05	0,00	0,00	0,00	0,02
Solar Gains Exterior Windows (kW)	0,00	0,00	0,00	0,00	0,00	0,29	0,73	0,37

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