REVIVE 2024 Report

Resilience and ADORB Summary

Chicago-MDW_IECC+0.04_Elec

1 Introduction

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1.1 Math that is incorrect

$$2 * 3 = 9$$

2 Tables

Tables for thermal resilience and ADORB Costs

2.1 Resilience Single Point Metrics

Metric	Result	Unit
Heating SET Hours	2.52	°F hr
Hours Below 2°C	0.0	hr
Caution (> 26.7, < 32.2°C)	53.0	hr
Extreme Caution (> 32.2, < 39.4°C)	60.25	hr
Danger (> 39.4, < 51.7°C)	7.5	hr
Extreme Danger (> 51.7°C)	0.0	hr
Heating Battery Size	6.946577471025454	kWh
Cooling Battery Size	4.696743169494214	kWh

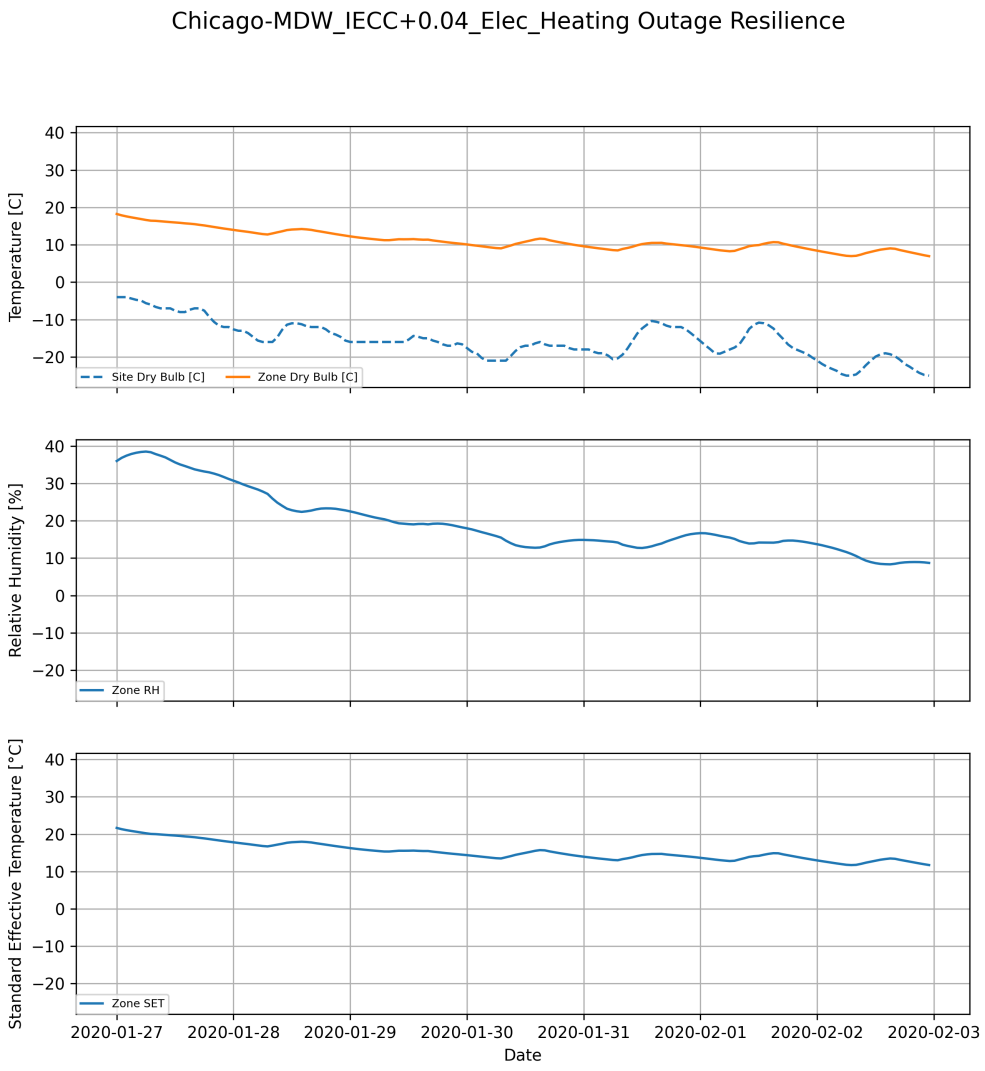
2.2 Adorb Single Point Metrics

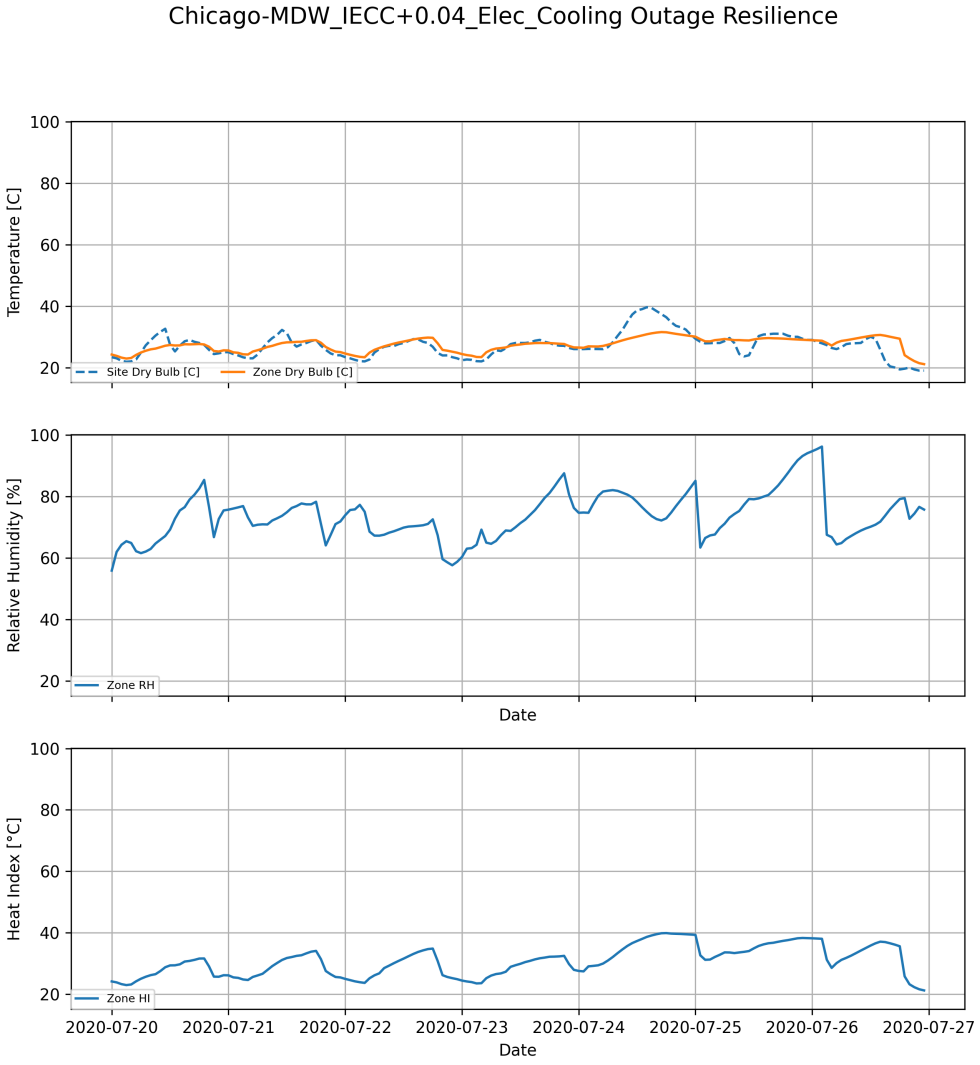
Metric	Result	Unit
Energy Use Intensity	17.41	kBtu/ sf yr
Peak Electrical Load	5968.16	W
First Year Electric Cost	1252.945625420097	$
First Cost	11417.922	$
Total ADORB Cost	92122.73511868183	$

3 Graph Results

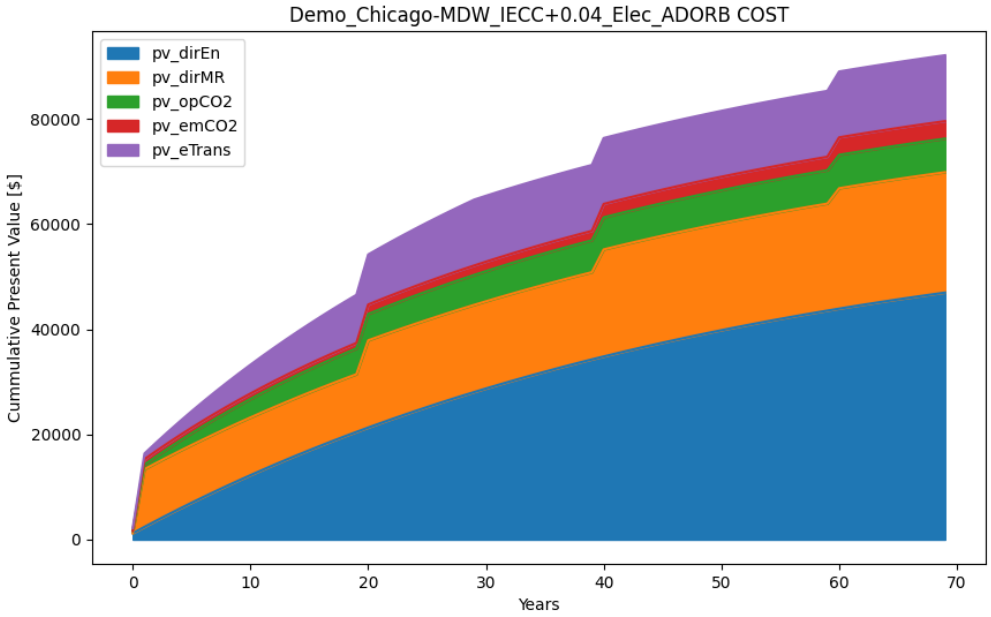
Some regular text and some

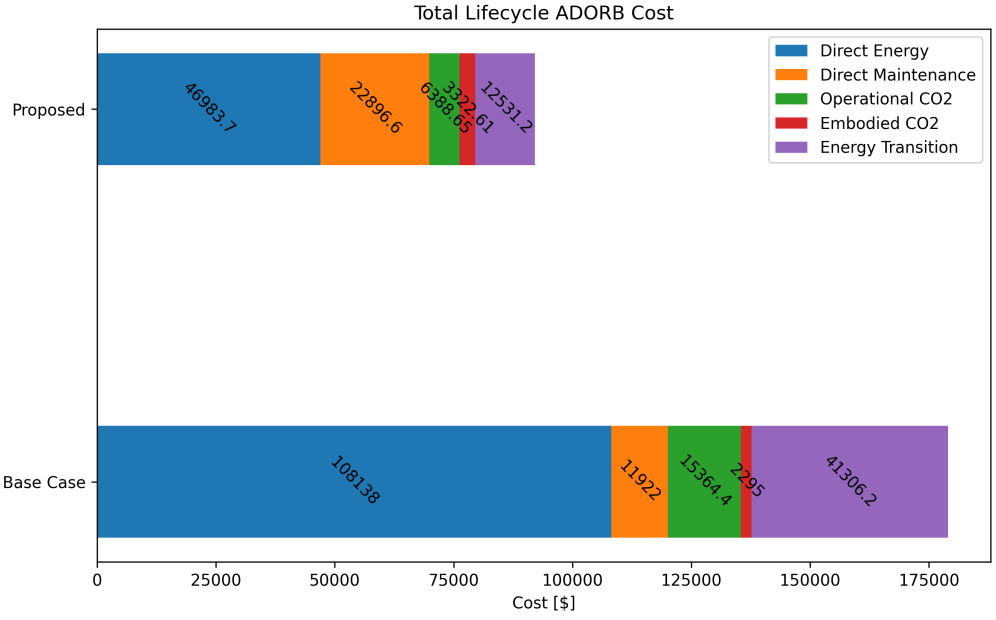
3.1 Resilience Graph Results





3.2 Adorb Graph Results


Demo_Chicago-MDW_IECC+0.04_Elec_ADORB COST
pv_dirEn
pv_dirMR
pv_opCO2
pv_emCO2
pv_eTrans
Cummulative Present Value [$]
0
20000
40000
60000
80000
0
10
20
30
40
50
60
70
Years


Total Lifecycle ADORB Cost
Direct Energy
Direct Maintenance
Operational CO2
Embodied CO2
Energy Transition
Proposed
Base Case
46983.7
22896.6
6388.65
322.61
12531.2
108138
11922
15364.4
2295
41306.2
0
25000
50000
75000
100000
125000
150000
175000
Cost [$]