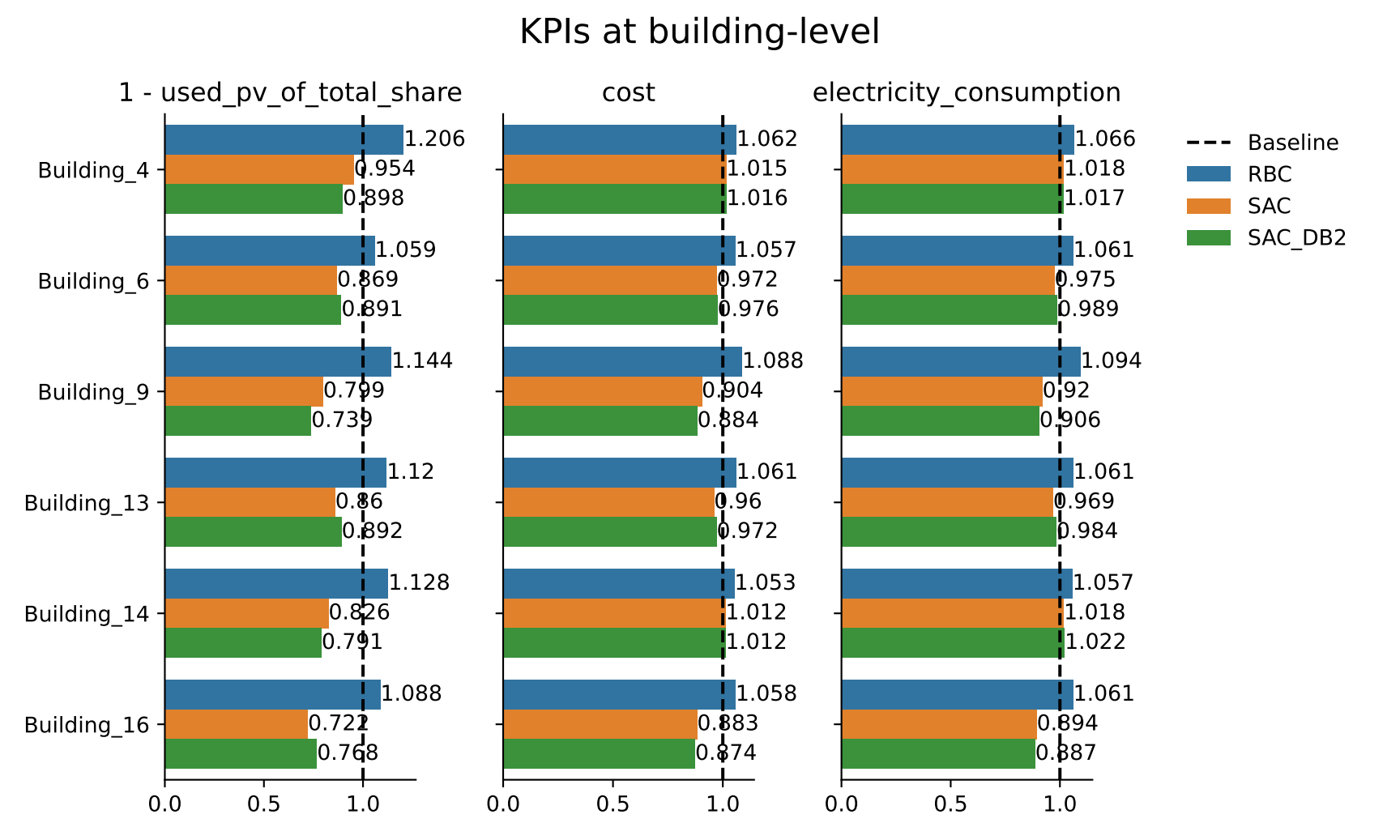
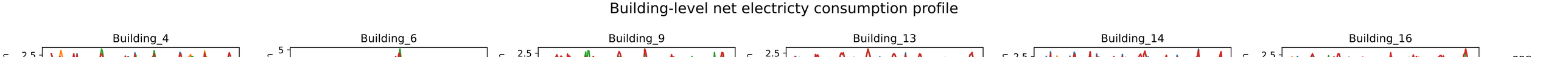
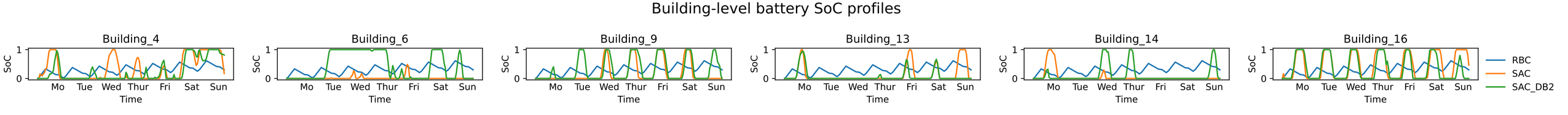
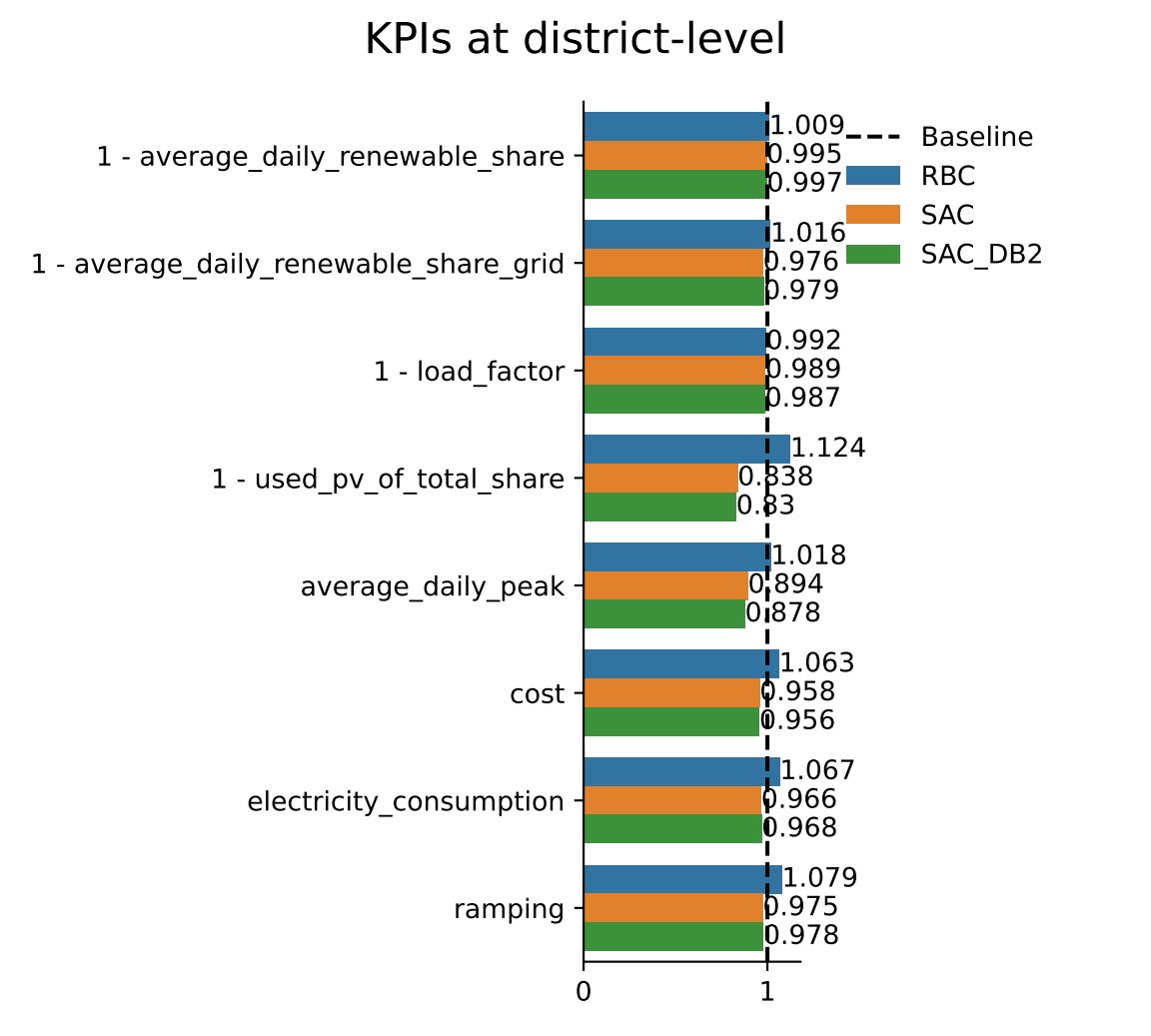
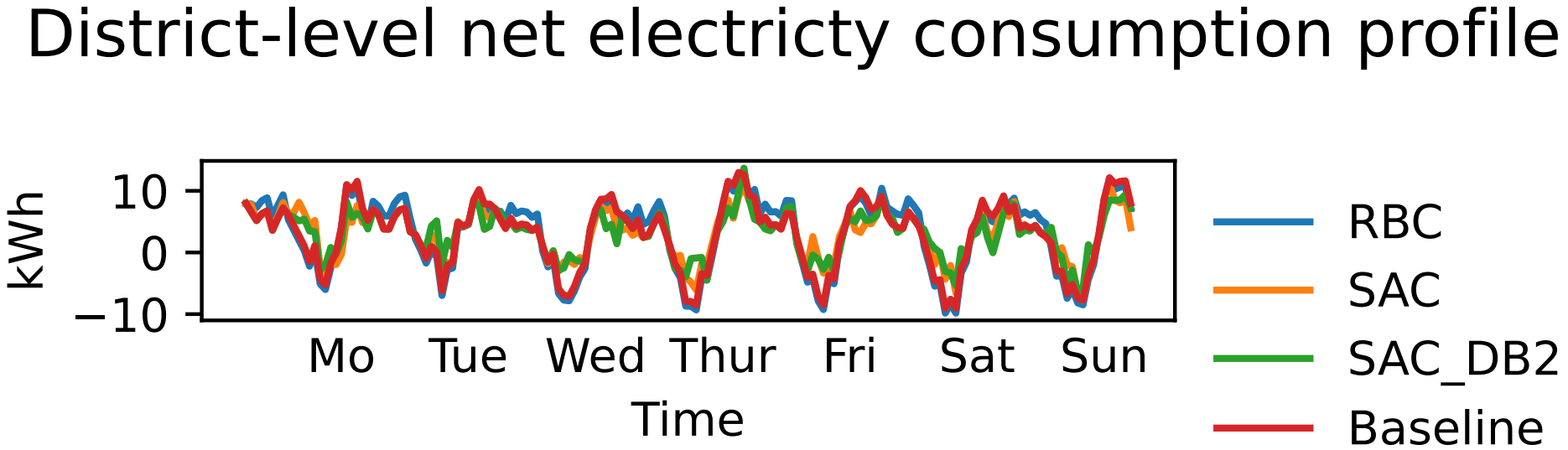
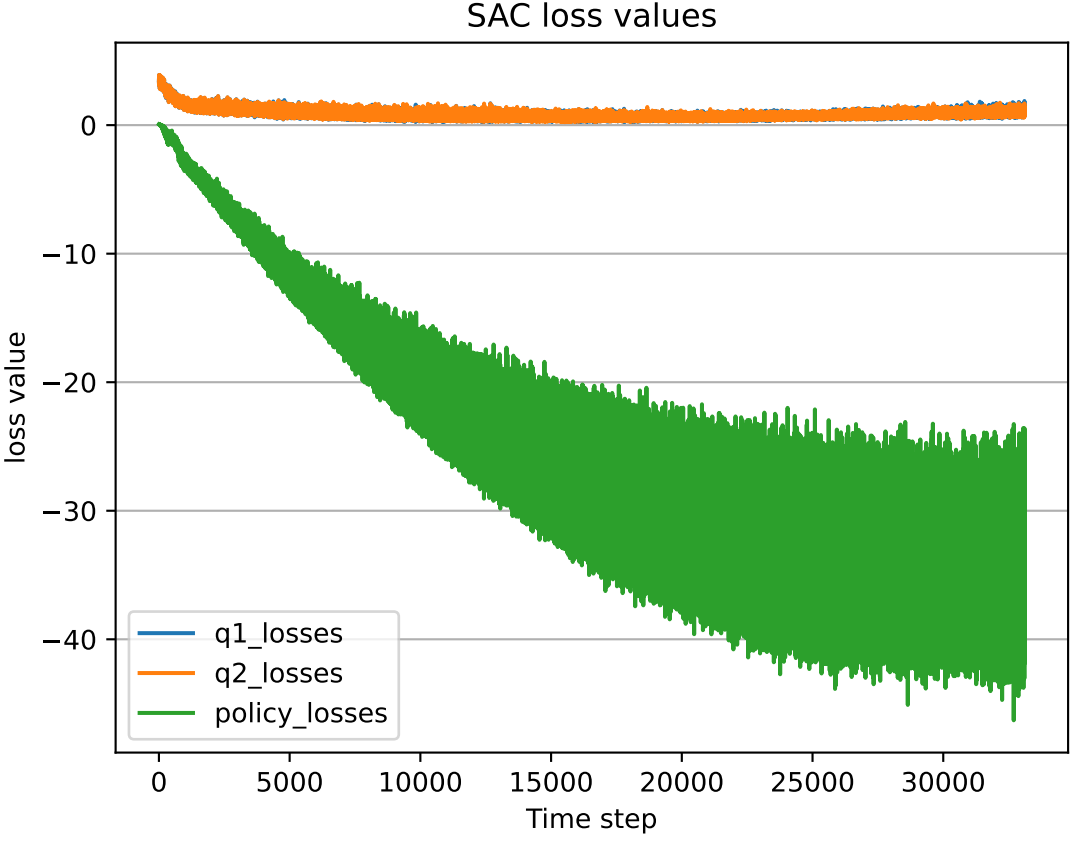

KPIs at building-level
1 - used_pv_of_total_share
cost
electricity_consumption
Building_4
Building_6
Building_9
Building_13
Building_14
Building_16
1.206
0.954
0.898
1.059
0.869
0.891
1.144
0.799
0.739
1.12
0.86
0.892
1.128
0.826
0.791
1.088
0.721
0.768
1.062
1.015
1.016
1.057
0.972
0.976
1.088
0.904
0.884
1.061
0.96
0.972
1.053
1.012
1.012
1.058
0.883
0.874
1.066
1.018
1.017
1.061
0.975
0.989
1.094
0.92
0.906
1.061
0.969
0.984
1.057
1.018
1.022
1.061
0.894
0.887
0.0
0.5
1.0
Baseline
RBC
SAC
SAC_DB2

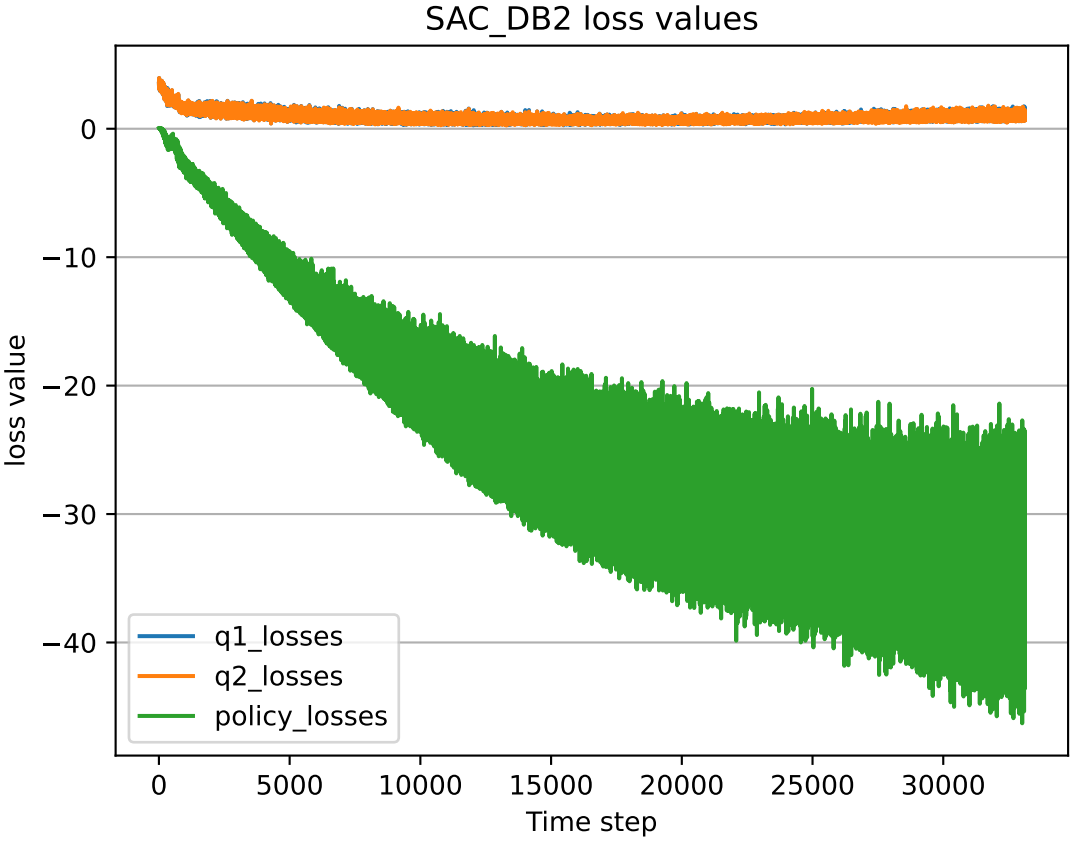

Building-level net electricty consumption profile
Building_4
Building_6
Building_9
Building_13
Building_14
Building_16
kWh
Time
Mo
Tue
Wed
Thur
Fri
Sat
Sun
RBC
SAC
SAC_DB2
Baseline

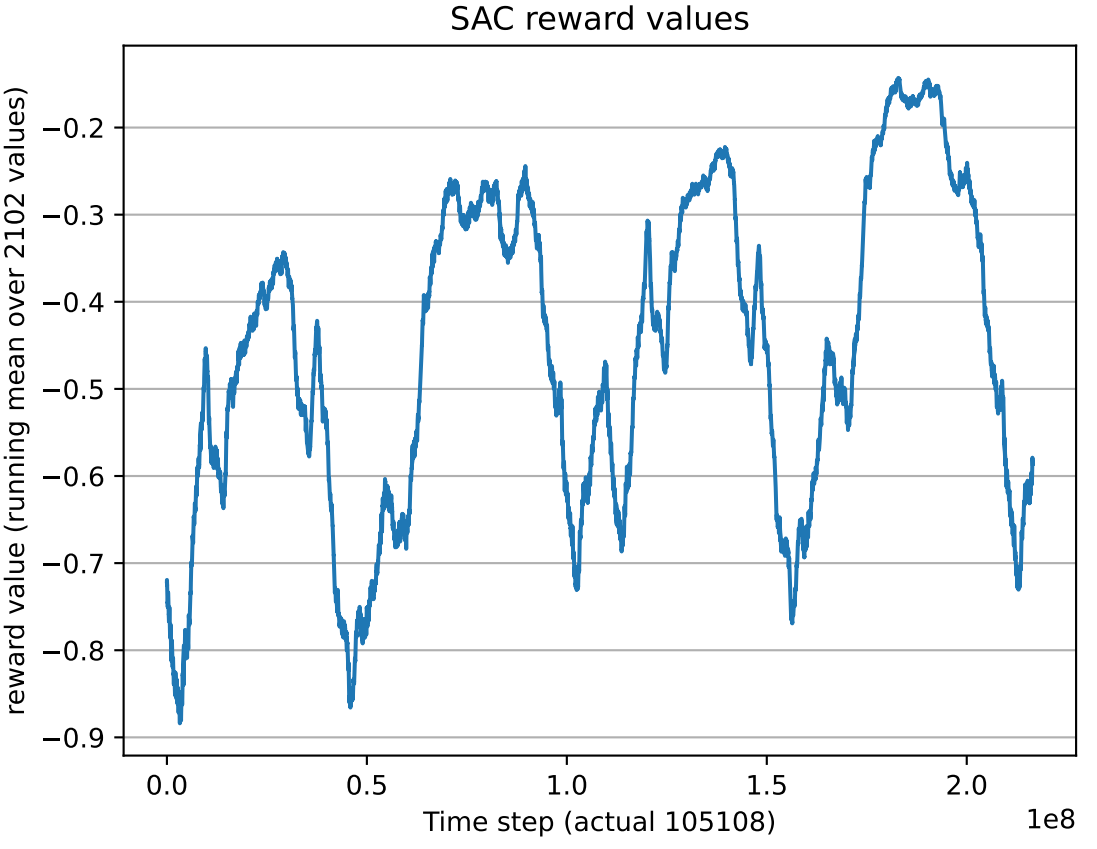

Building-level battery SoC profiles
Building_4
Building_6
Building_9
Building_13
Building_14
Building_16
SoC
Time
Mo
Tue
Wed
Thur
Fri
Sat
Sun
RBC
SAC
SAC_DB2

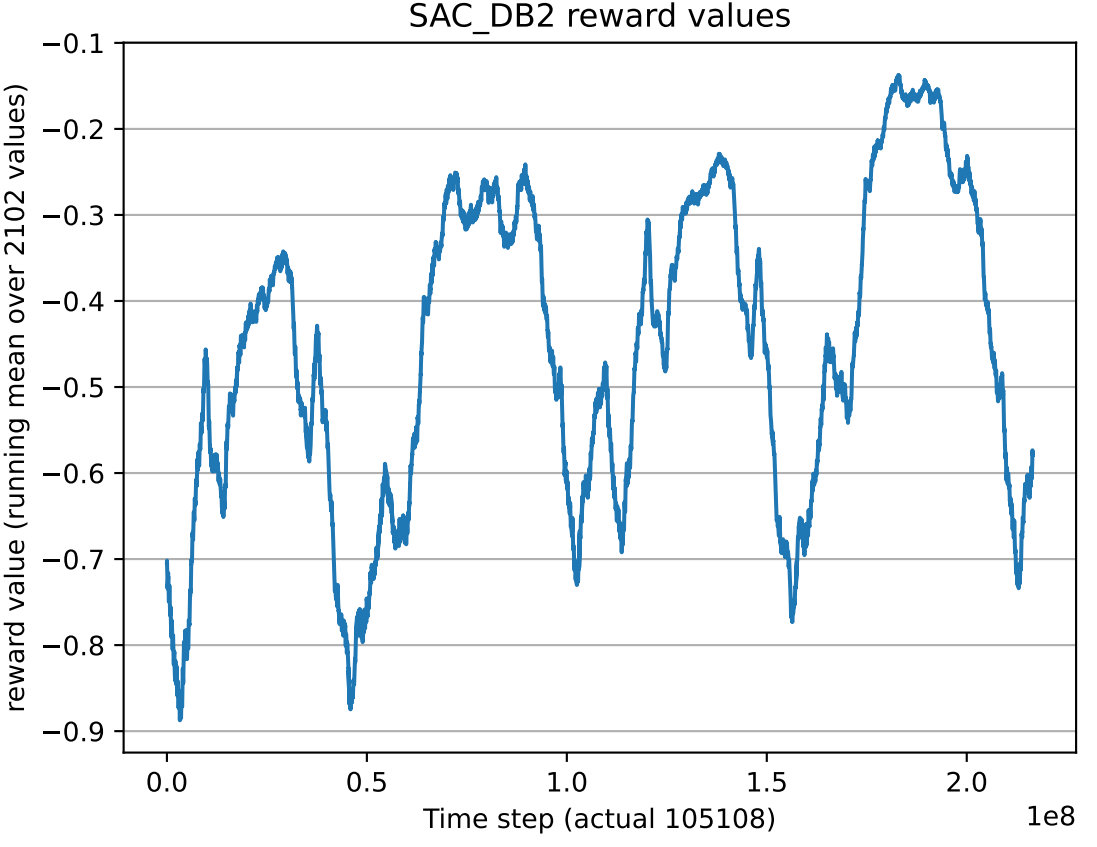

KPIs at district-level
1 - average_daily_renewable_share
1 - average_daily_renewable_share_grid
1 - load_factor
1 - used_pv_of_total_share
average_daily_peak
cost
electricity_consumption
ramping
1.009
0.995
0.997
1.016
0.976
0.979
0.992
0.989
0.987
1.124
0.838
0.83
1.018
0.894
0.878
1.063
0.958
0.956
1.067
0.966
0.968
1.079
0.975
0.978
Baseline
RBC
SAC
SAC_DB2
0
1


District-level net electricty consumption profile
kWh
10
0
−10
Mo
Tue
Wed
Thur
Fri
Sat
Sun
Time
RBC
SAC
SAC_DB2
Baseline


SAC loss values
loss value
0
−10
−20
−30
−40
0
5000
10000
15000
20000
25000
30000
Time step
q1_losses
q2_losses
policy_losses


SAC_DB2 loss values
loss value
0
−10
−20
−30
−40
0
5000
10000
15000
20000
25000
30000
Time step
q1_losses
q2_losses
policy_losses


SAC reward values
reward value (running mean over 2102 values)
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
0.0
0.5
1.0
1.5
2.0
Time step (actual 105108)
1e8


SAC_DB2 reward values
reward value (running mean over 2102 values)
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
0.0
0.5
1.0
1.5
2.0
Time step (actual 105108)
1e8