KPIs at building-level

	1 - used_pv_of_total_share	carbon_emissions	cost	electricity_consumption
Building_1	RBC: 1.111 / SAC_DB2Value: 1.449 / SAC_DB2Value Best: 1.005	1.023 / 1.006 / 0.995	1.022 / 1.004 / 0.995	1.023 / 1.006 / 0.995
Building_2	1.112 / 1.455 / 1.05	1.024 / 1.004 / 0.987	1.024 / 1.003 / 0.987	1.024 / 1.004 / 0.987
Building_3	1.146 / 1.403 / 1.17	1.043 / 1.023 / 0.964	1.042 / 1.019 / 0.964	1.043 / 1.024 / 0.963
Building_4	1.092 / 1.279 / 1.006	1.025 / 1.0 / 0.987	1.025 / 0.998 / 0.986	1.025 / 1.001 / 0.987
Building_5	1.179 / 0.925 / 0.865	1.072 / 1.029 / 0.946	1.07 / 1.026 / 0.945	1.072 / 1.03 / 0.945
Building_6	1.11 / 1.629 / 1.005	1.023 / 1.018 / 0.995	1.022 / 1.014 / 0.995	1.023 / 1.019 / 0.995

Legend: Baseline (dashed), RBC, SAC_DB2Value, SAC_DB2Value Best
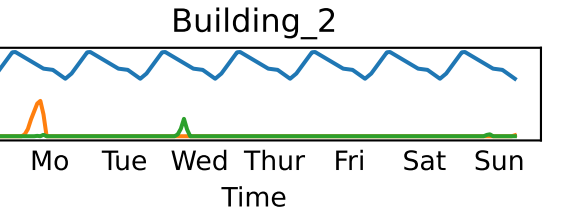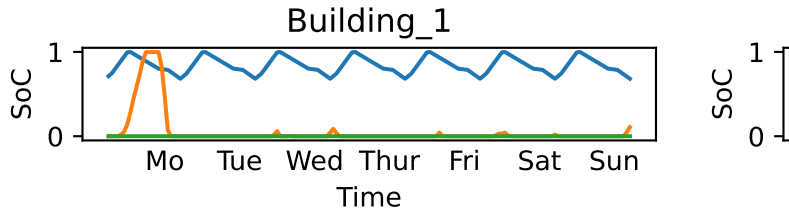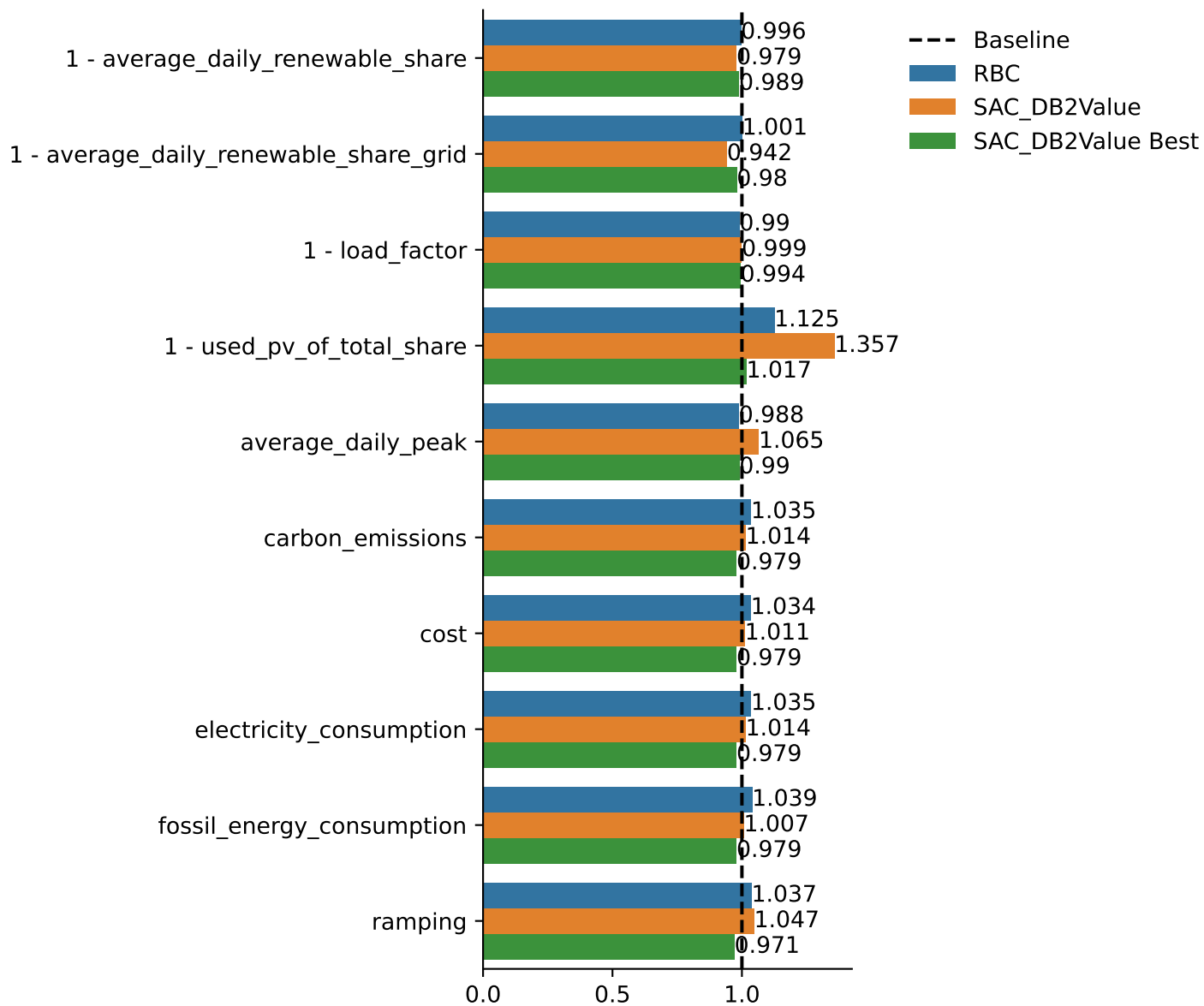
Building-level net electricty consumption profile
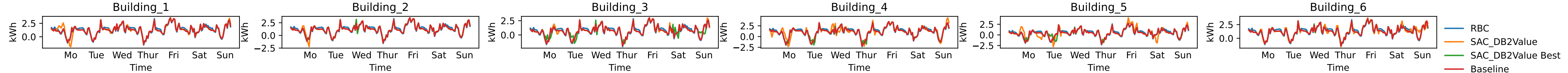
Building-level battery SoC profiles

KPIs at district-level

KPI	RBC	SAC_DB2Value	SAC_DB2Value Best
1 - average_daily_renewable_share	0.996	0.979	0.989
1 - average_daily_renewable_share_grid	1.001	0.942	0.98
1 - load_factor	0.99	0.999	0.994
1 - used_pv_of_total_share	1.125	1.357	1.017
average_daily_peak	0.988	1.065	0.99
carbon_emissions	1.035	1.014	0.979
cost	1.034	1.011	0.979
electricity_consumption	1.035	1.014	0.979
fossil_energy_consumption	1.039	1.007	0.979
ramping	1.037	1.047	0.971

District-level net electricty consumption profile

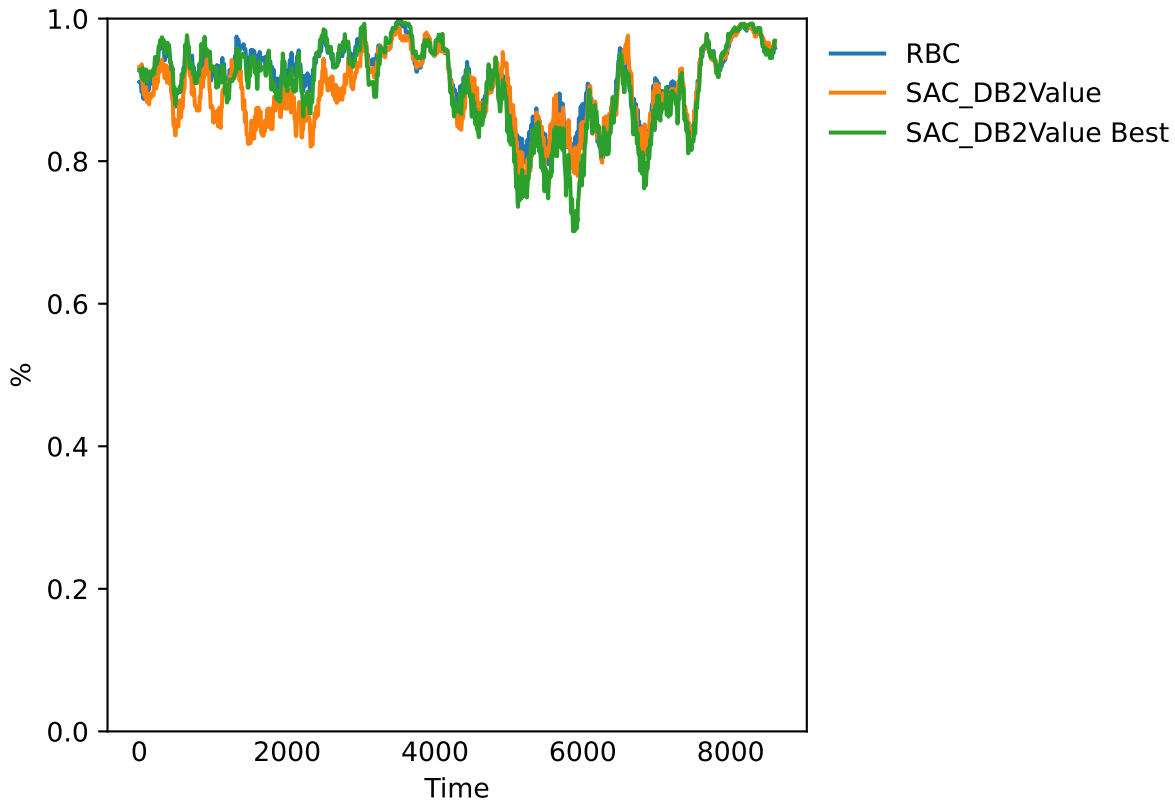|	
—— RBC	
—— SAC_DB2Value	
—— SAC_DB2Value Best	
—— Baseline	
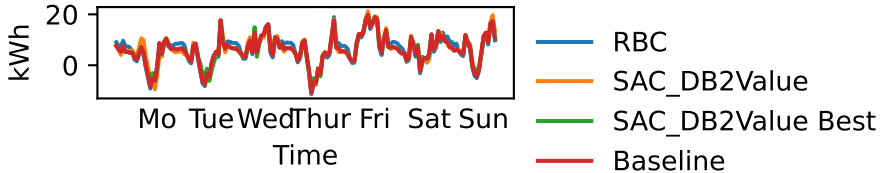
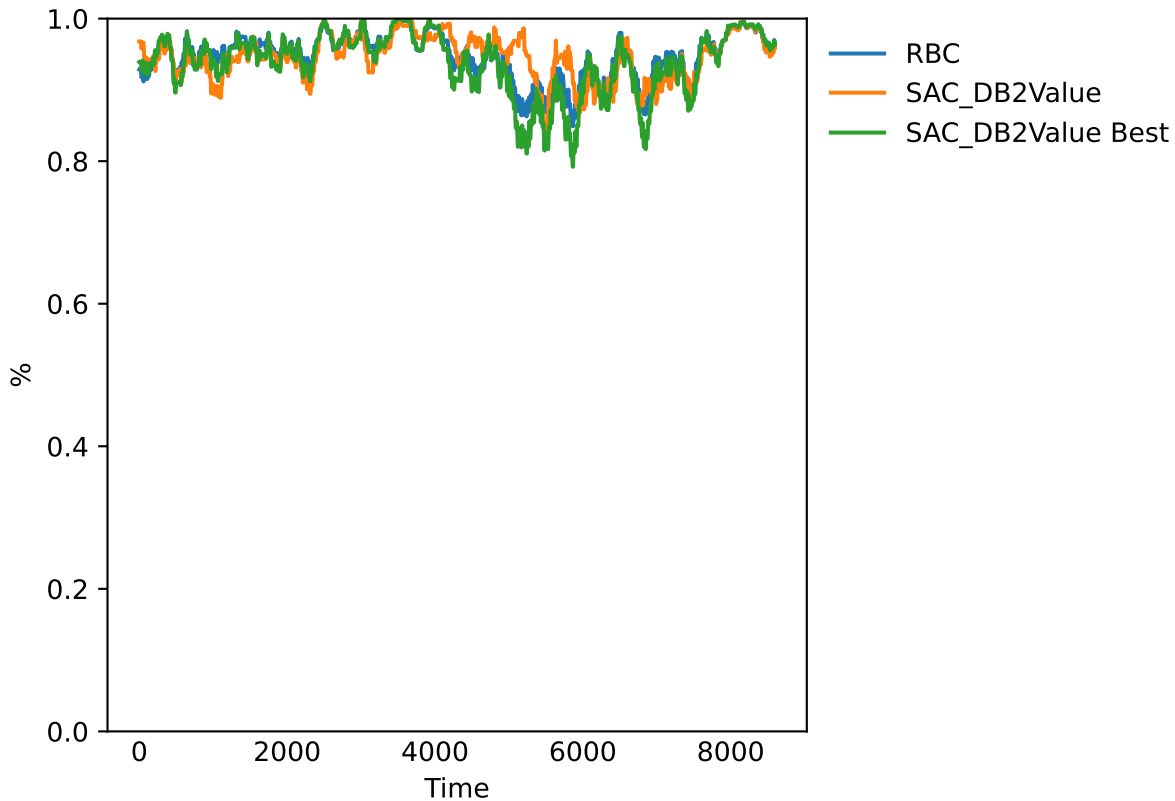Used PV / available share (Building_1)
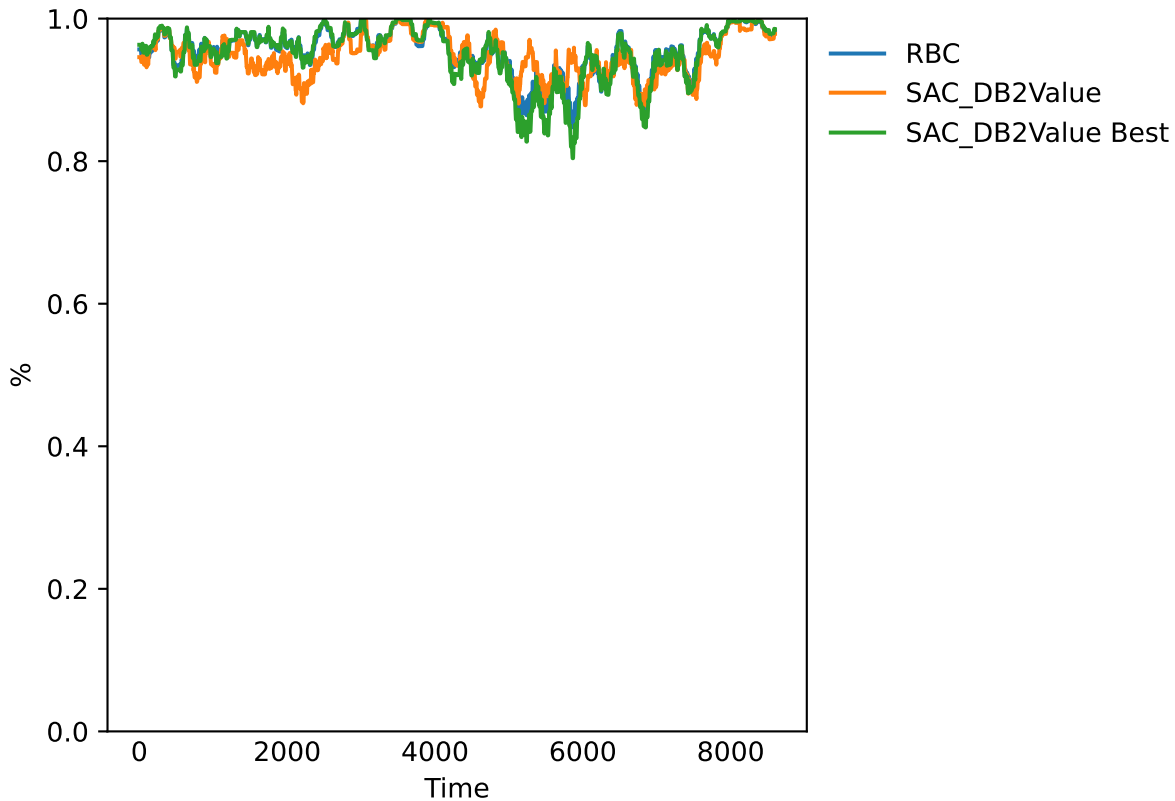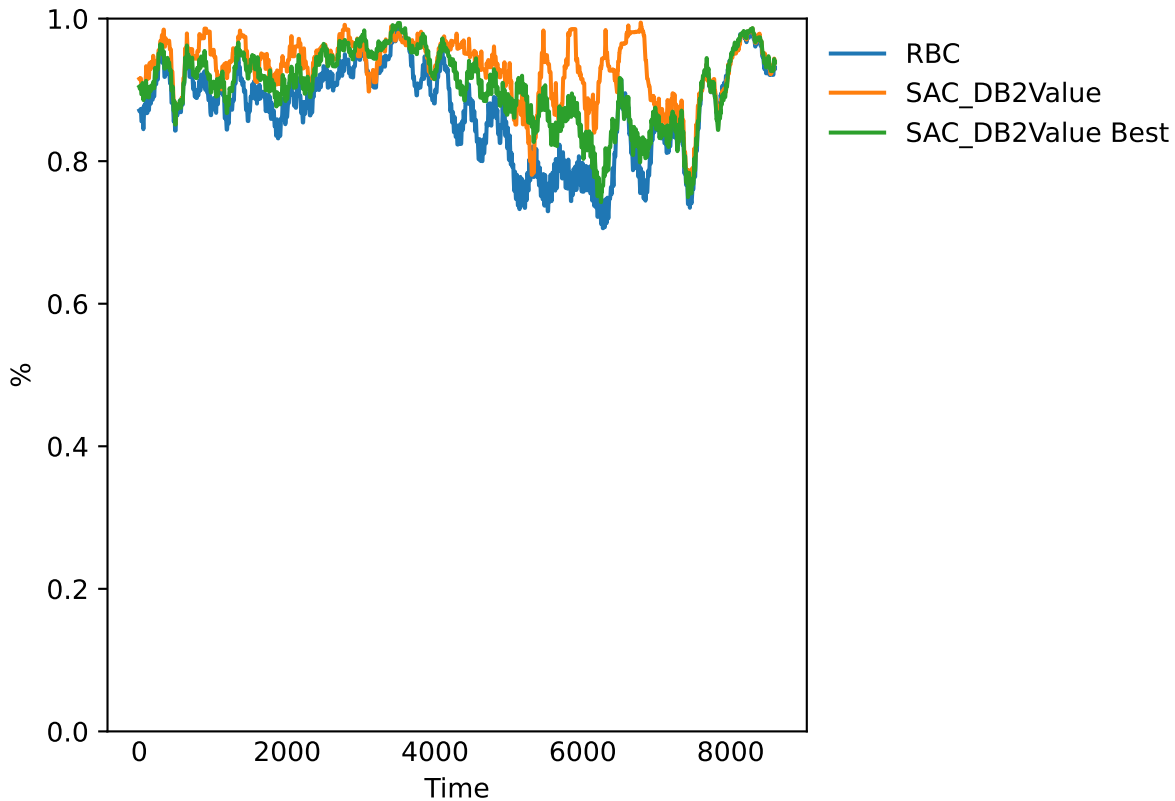
Used PV / available share (Building_2)
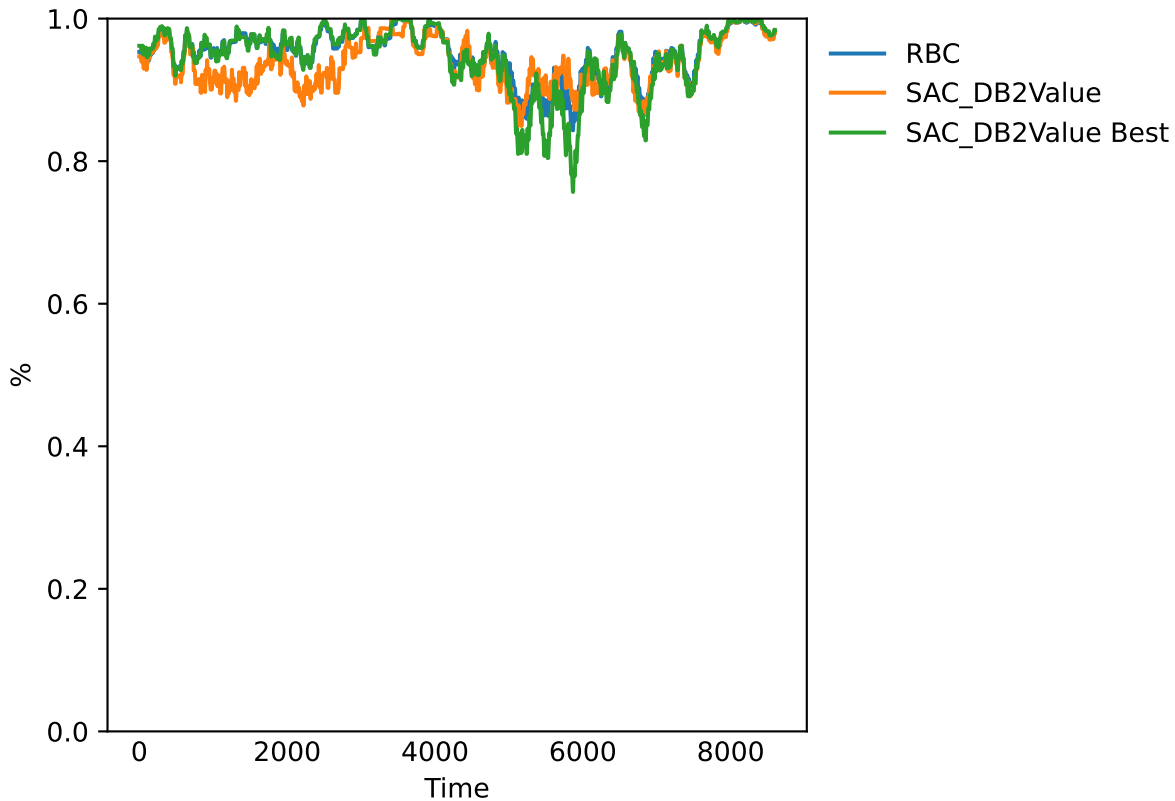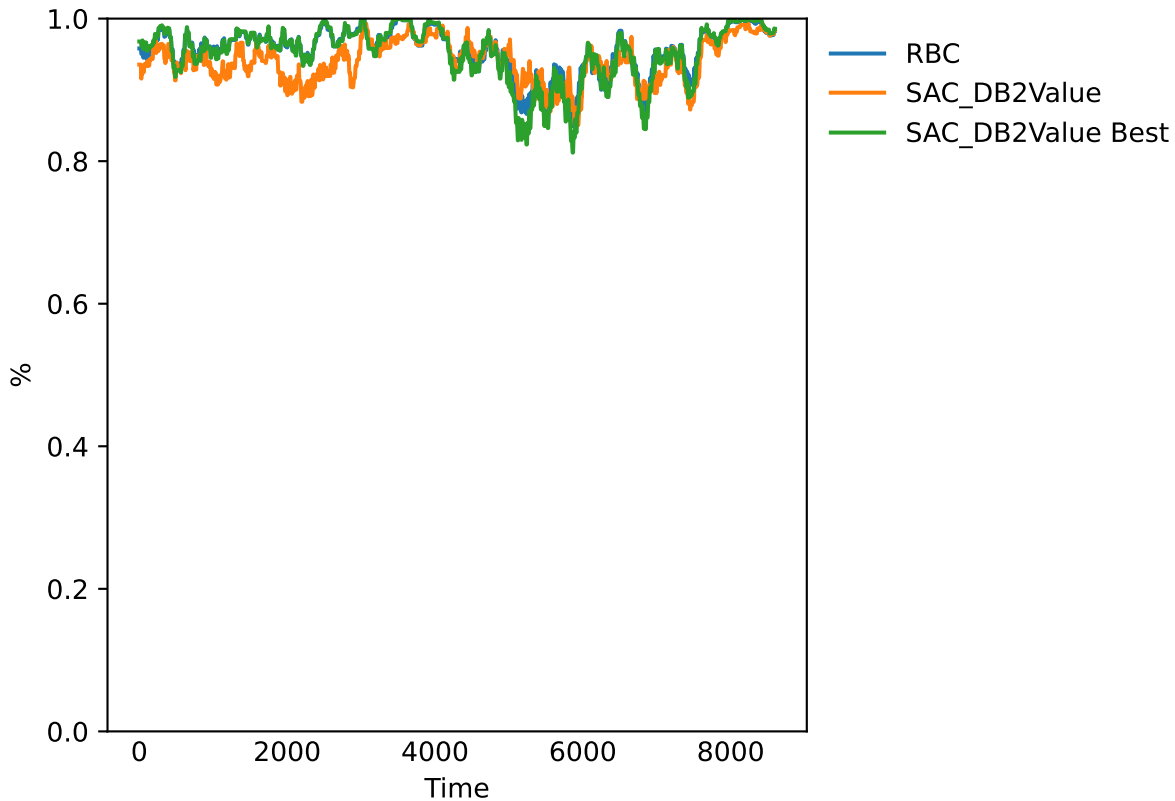
Used PV / available share (Building_3)

Used PV / available share (Building_4)

Used PV / available share (Building_5)
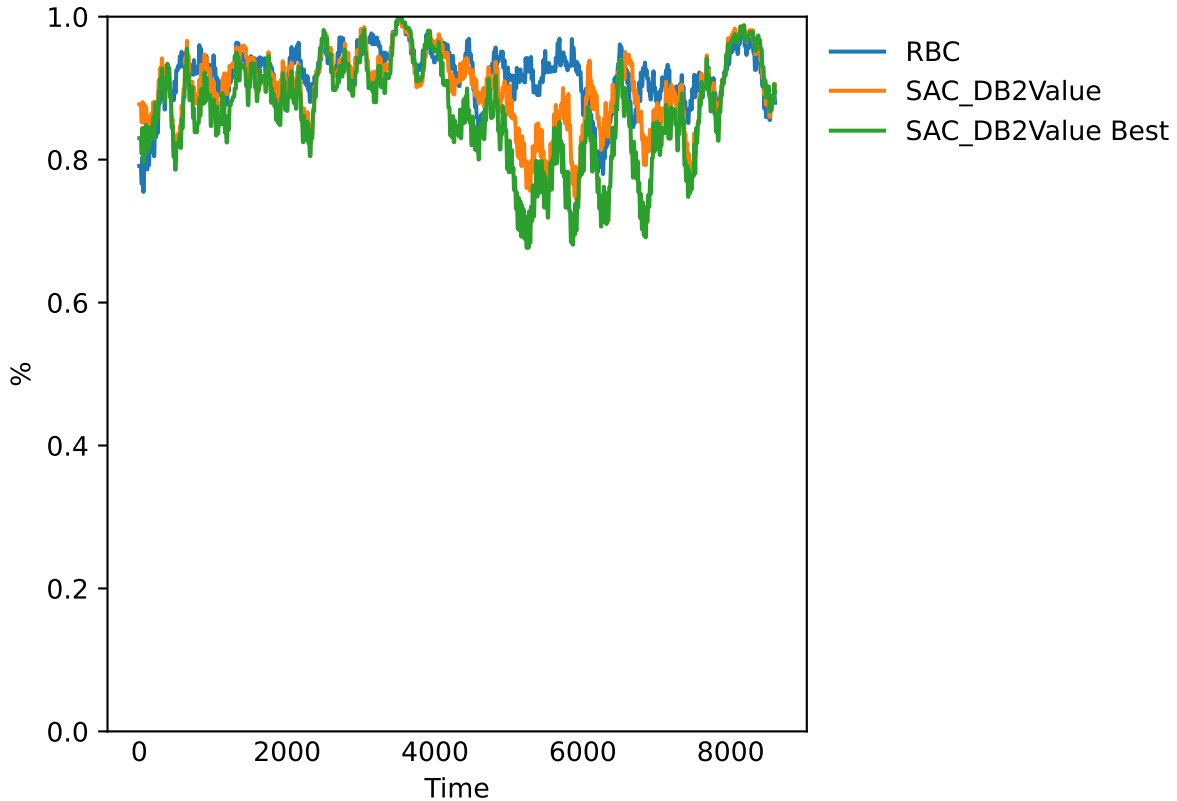
Used PV / available share (Building_6)
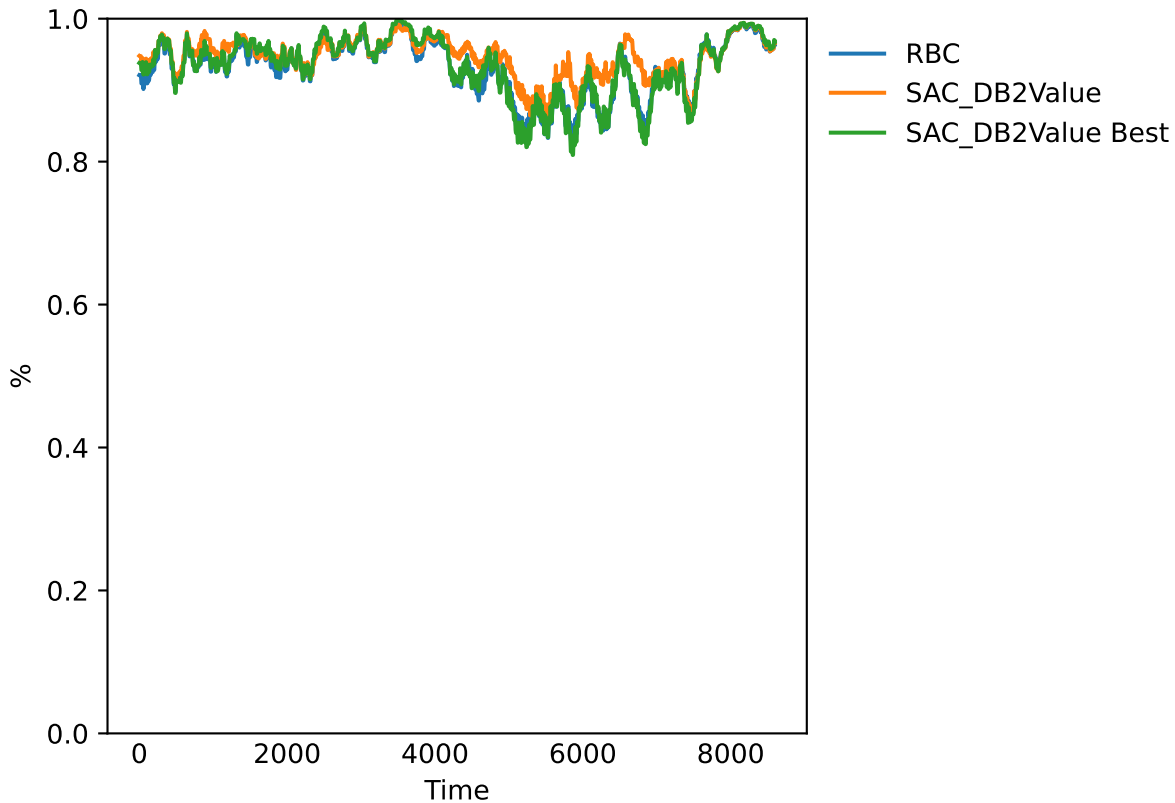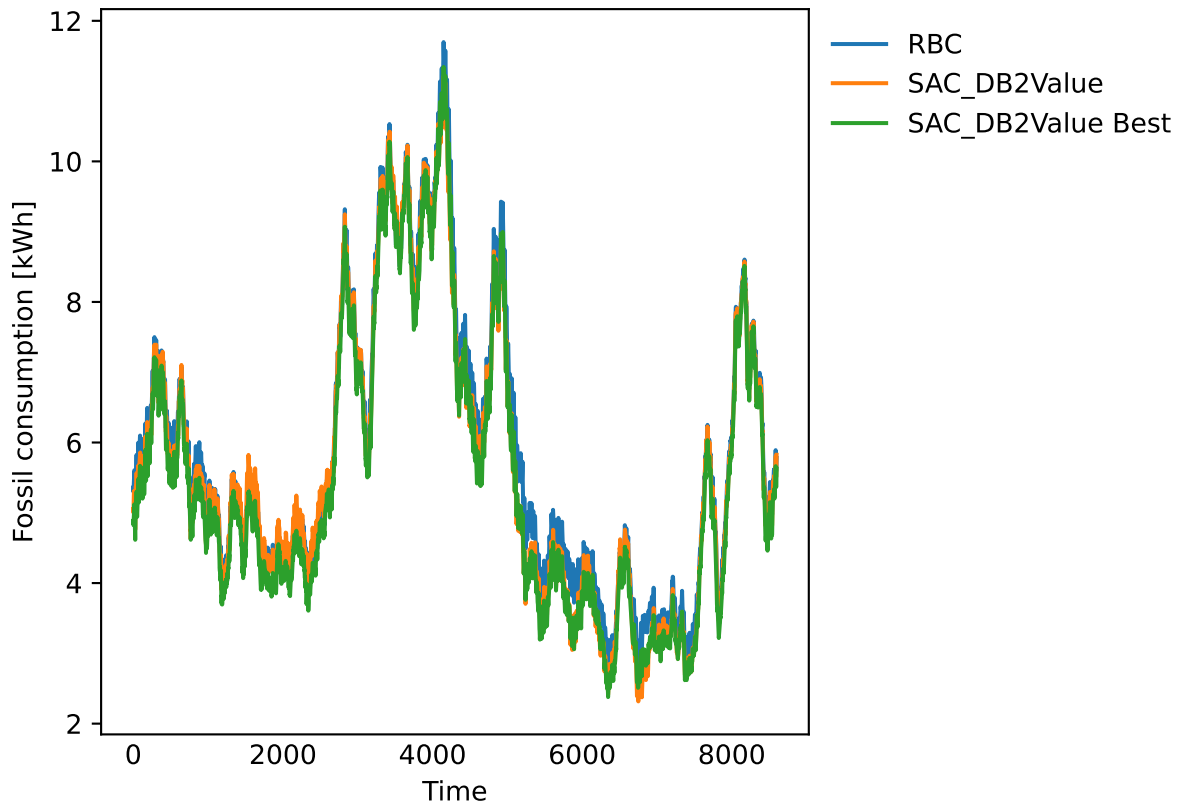
Legend:
- RBC
- SAC_DB2Value
- SAC_DB2Value Best
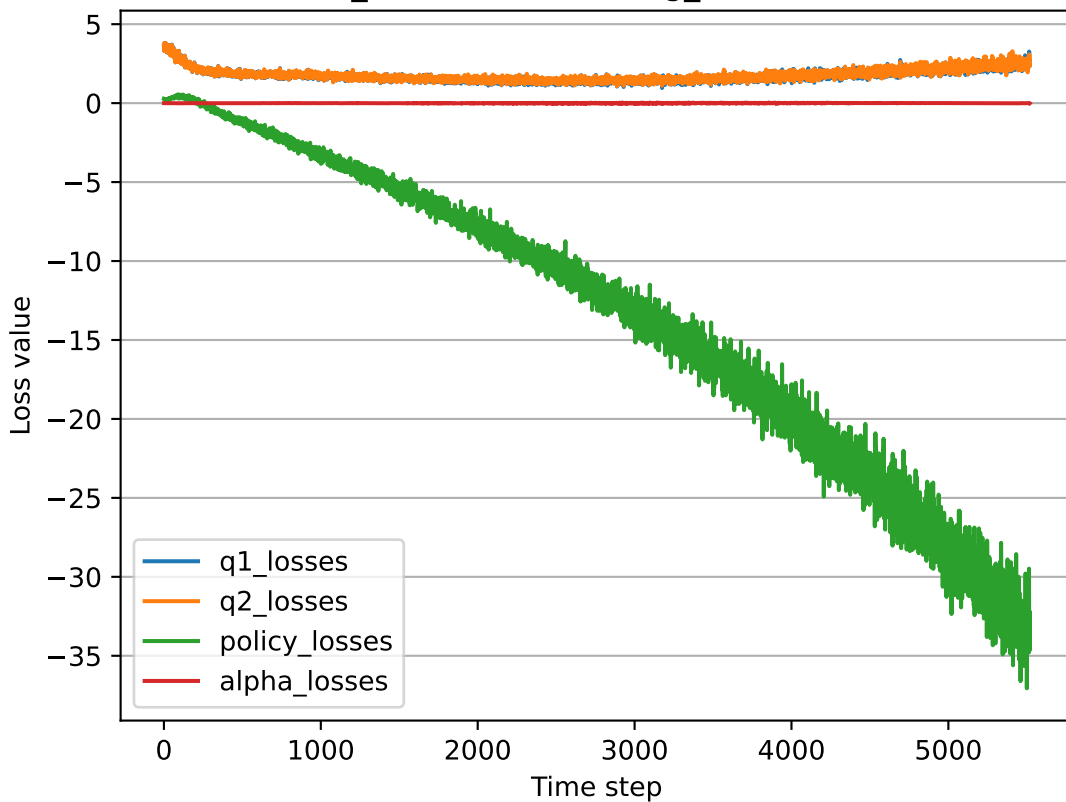
District-level used renewable energy grid / available
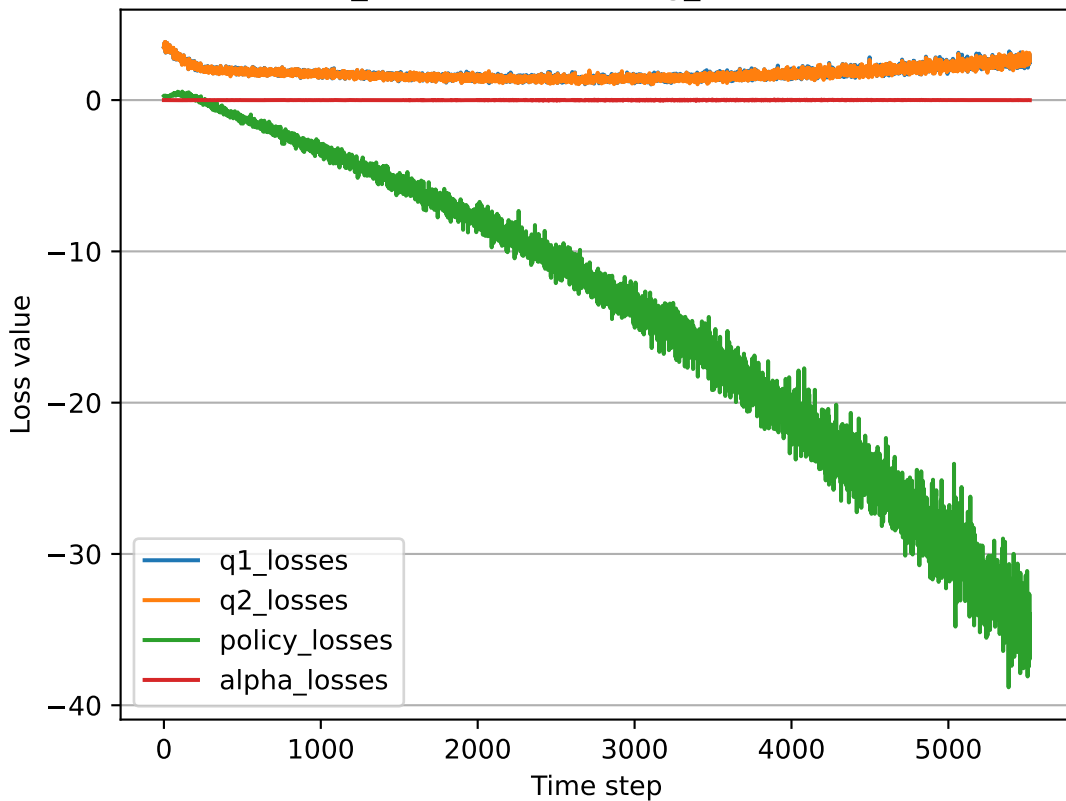
District-level used renewable energy / available
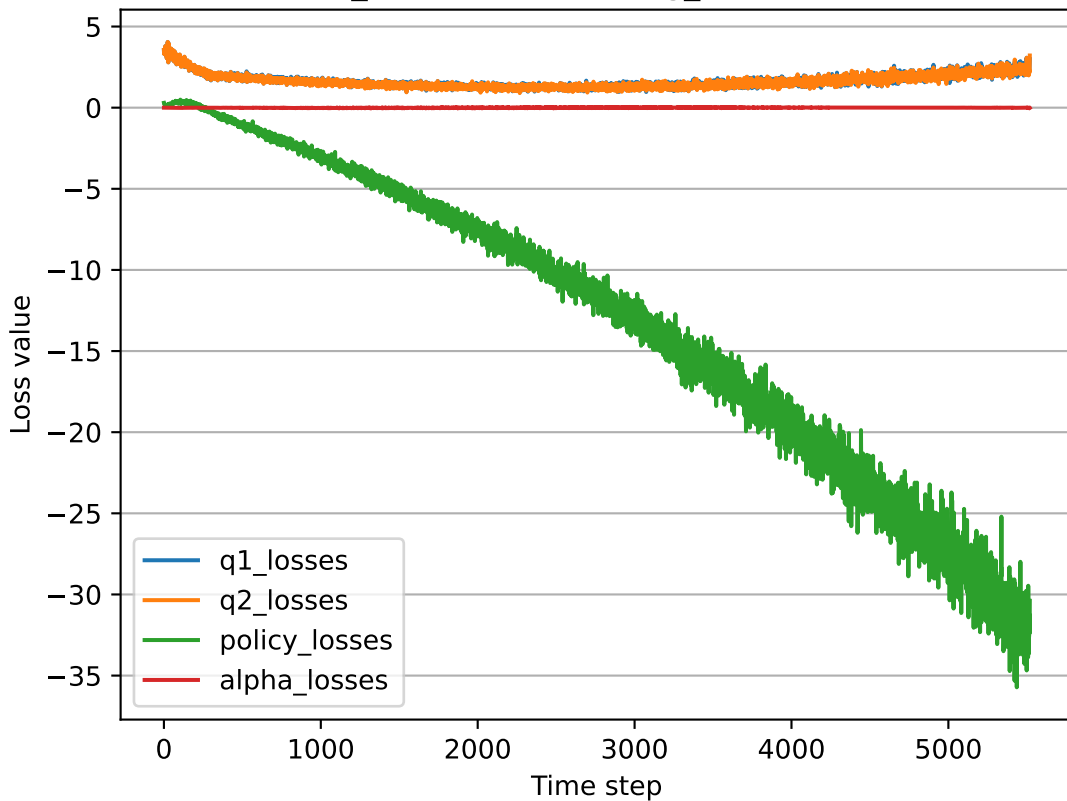
District-level fossil energy consumption
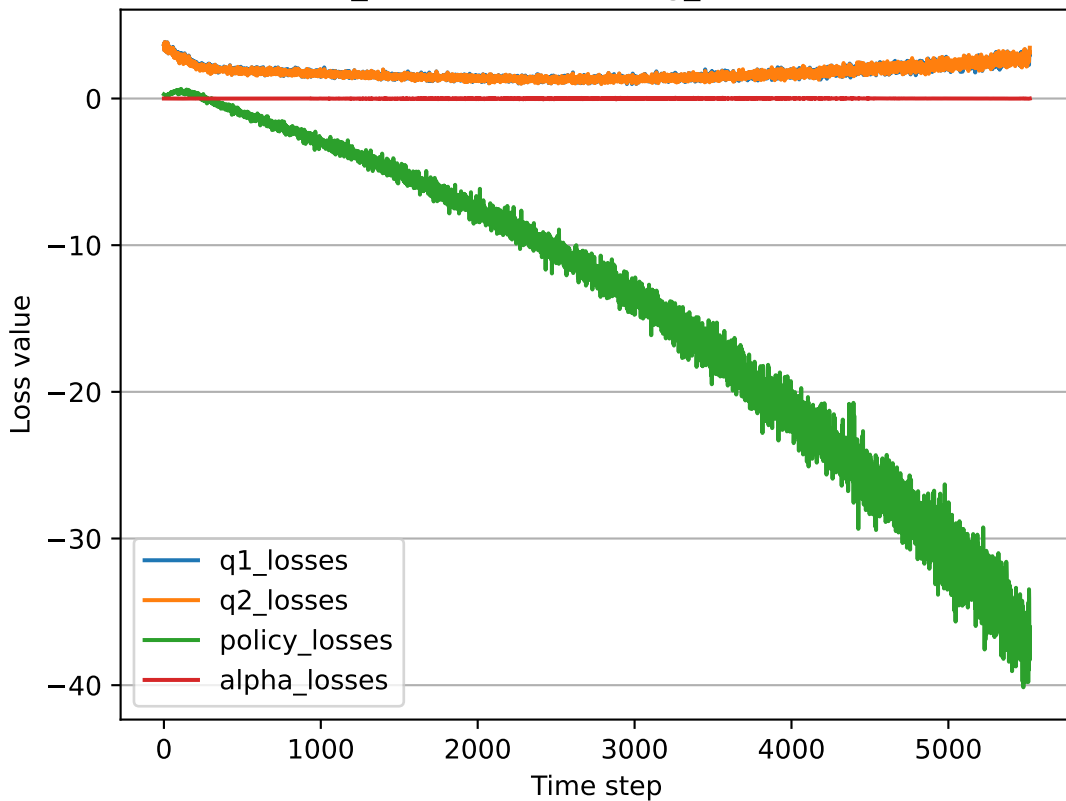
SAC_DB2Value - Building_1 loss values

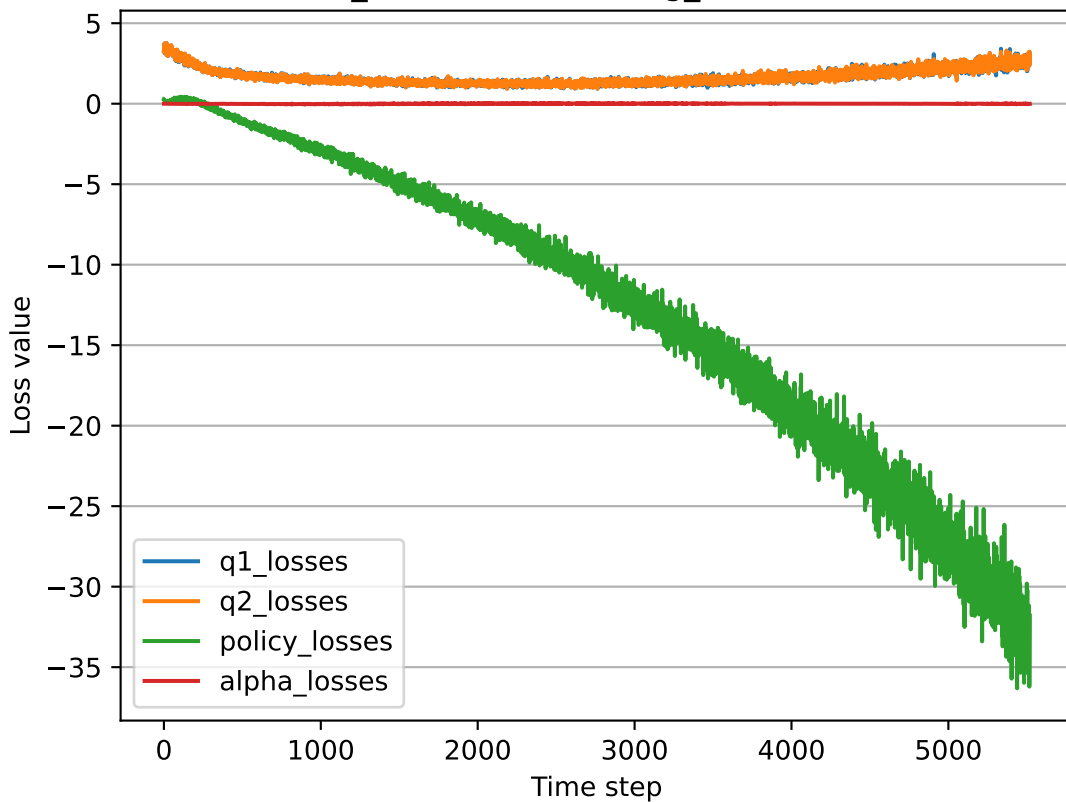SAC_DB2Value - Building_2 loss values

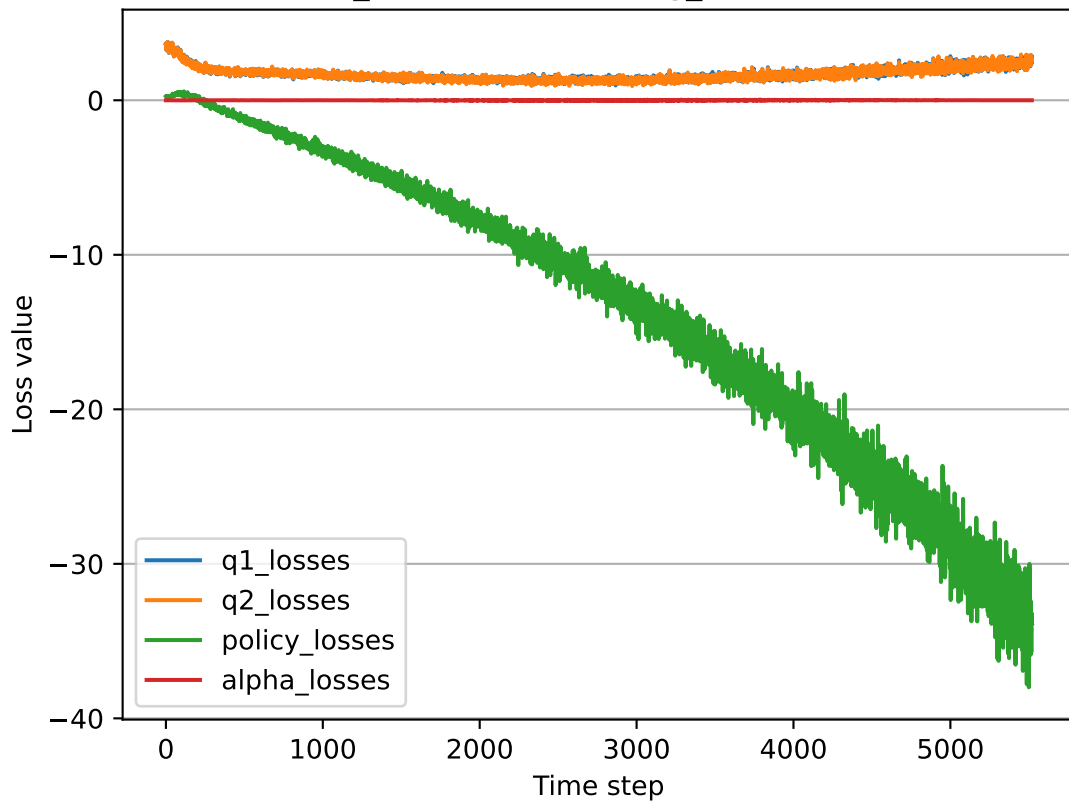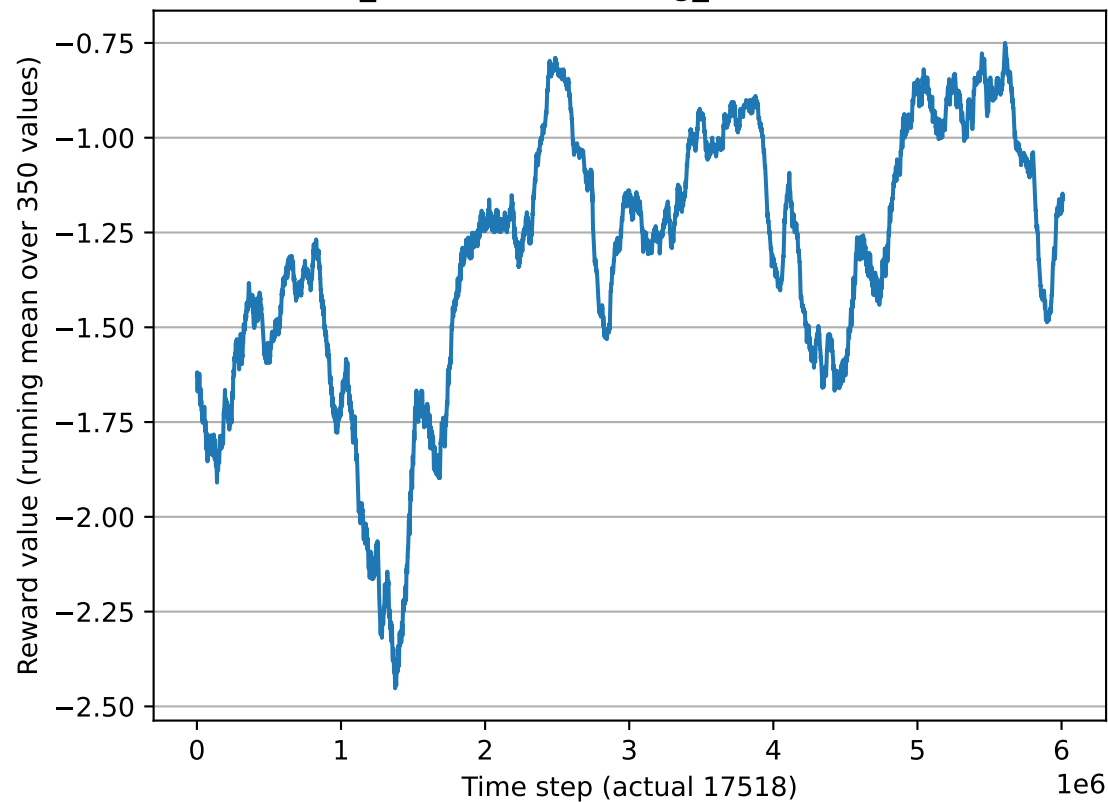SAC_DB2Value - Building_3 loss values

SAC_DB2Value - Building_4 loss values

SAC_DB2Value - Building_5 loss values

SAC_DB2Value - Building_6 loss values

Legend:
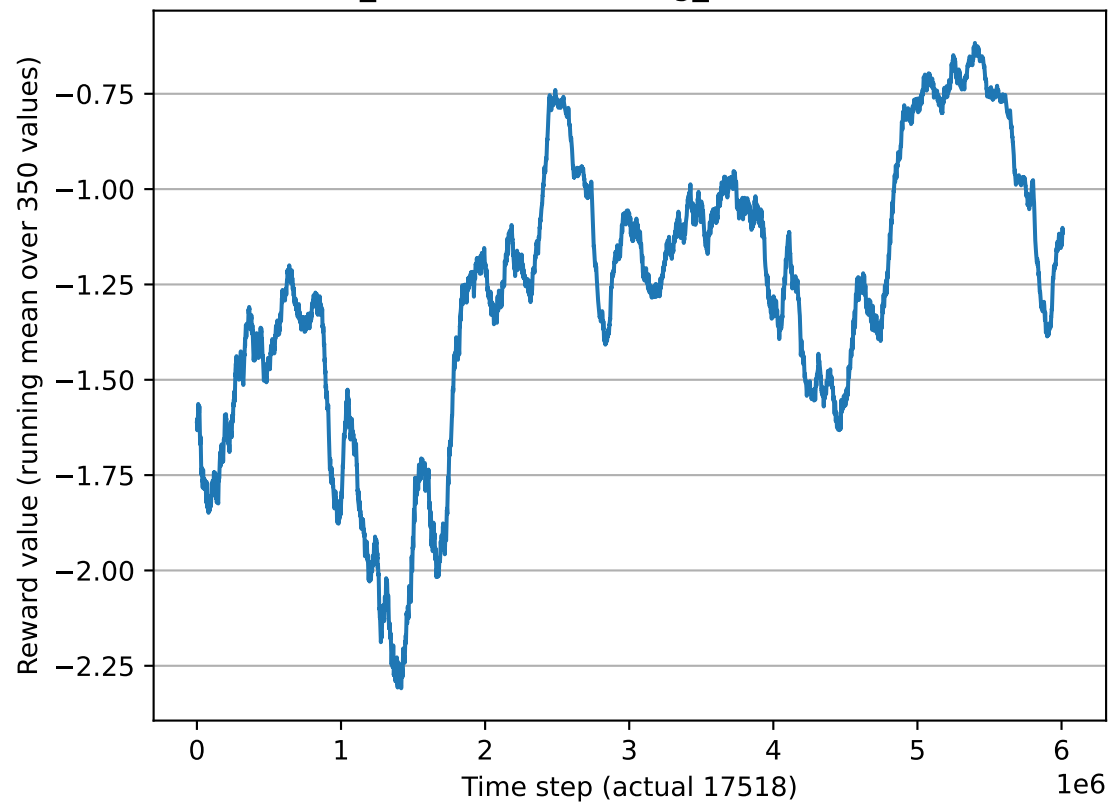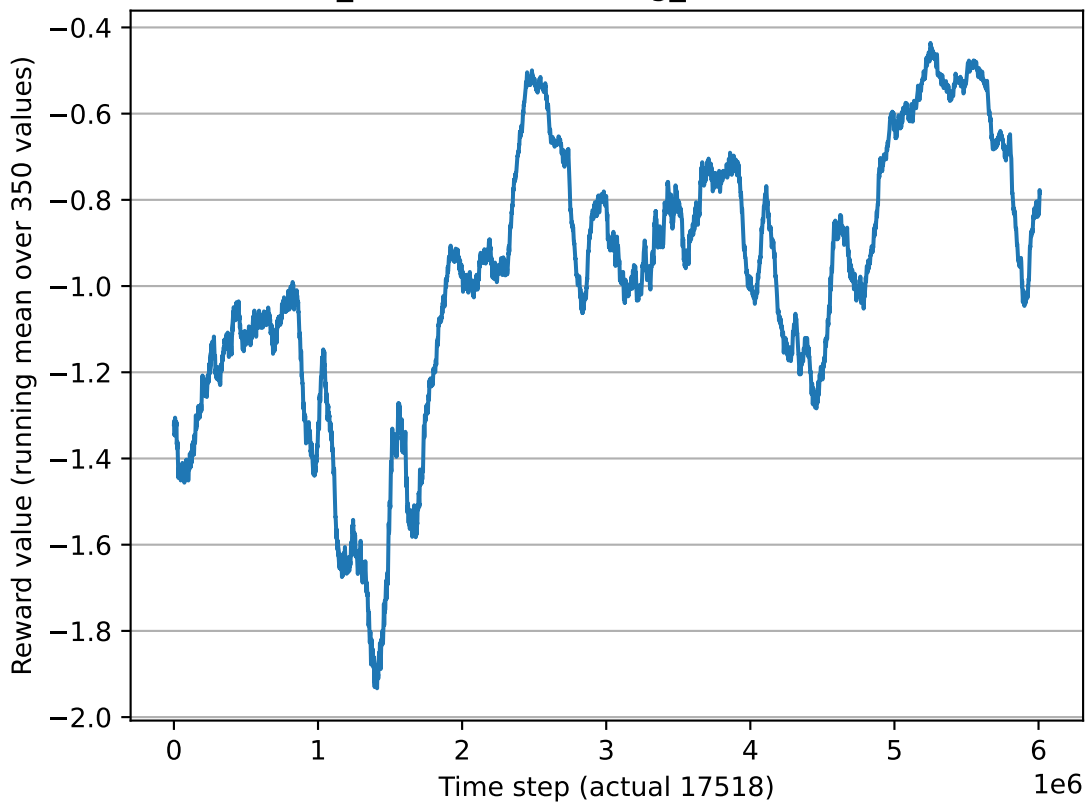- q1_losses
- q2_losses
- policy_losses
- alpha_losses

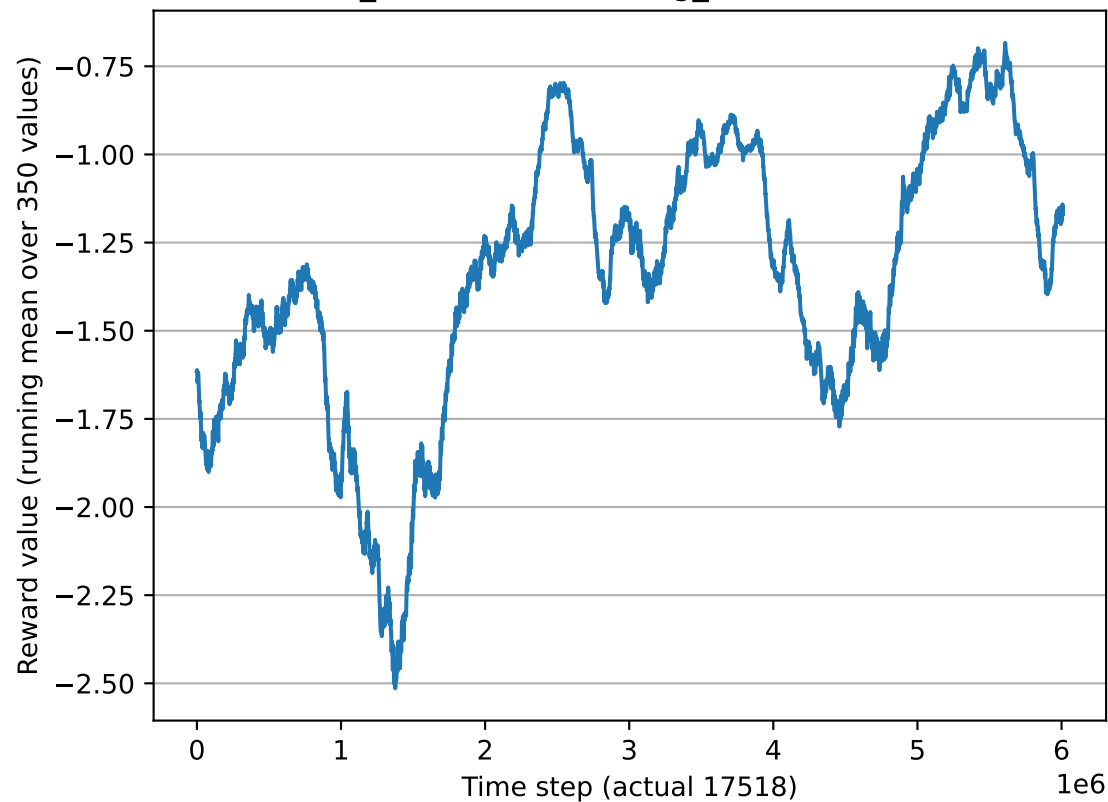SAC_DB2Value - Building_1 reward values
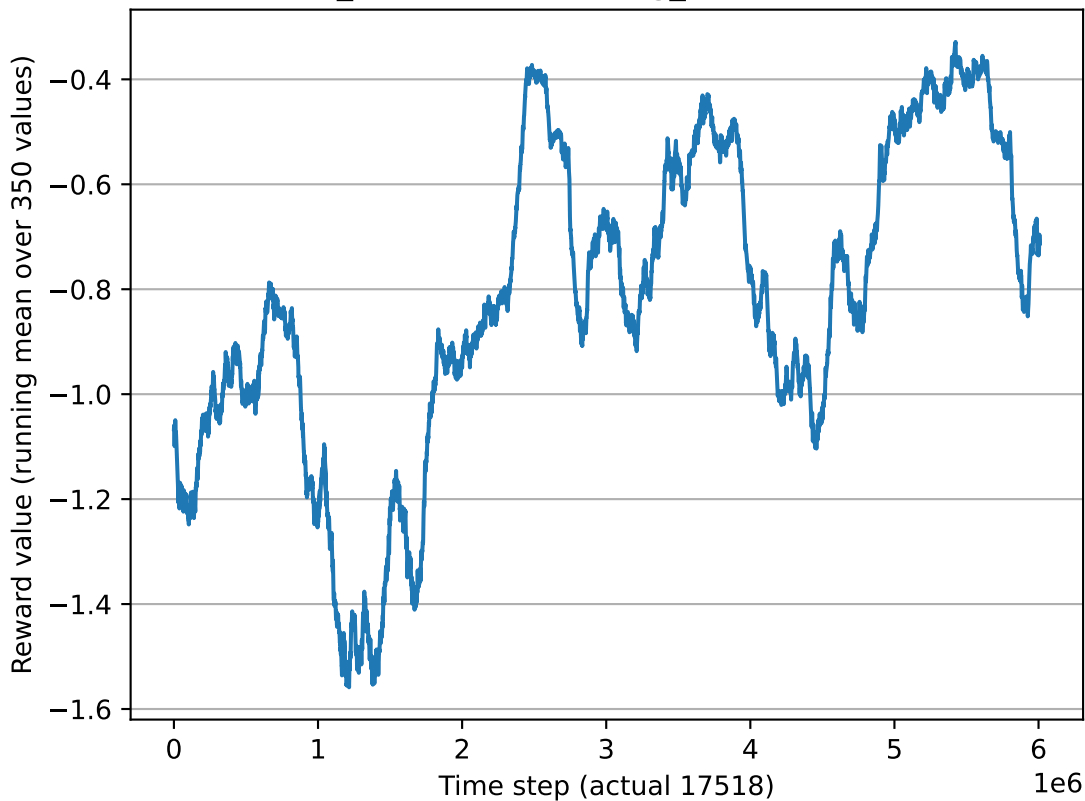
SAC_DB2Value - Building_2 reward values

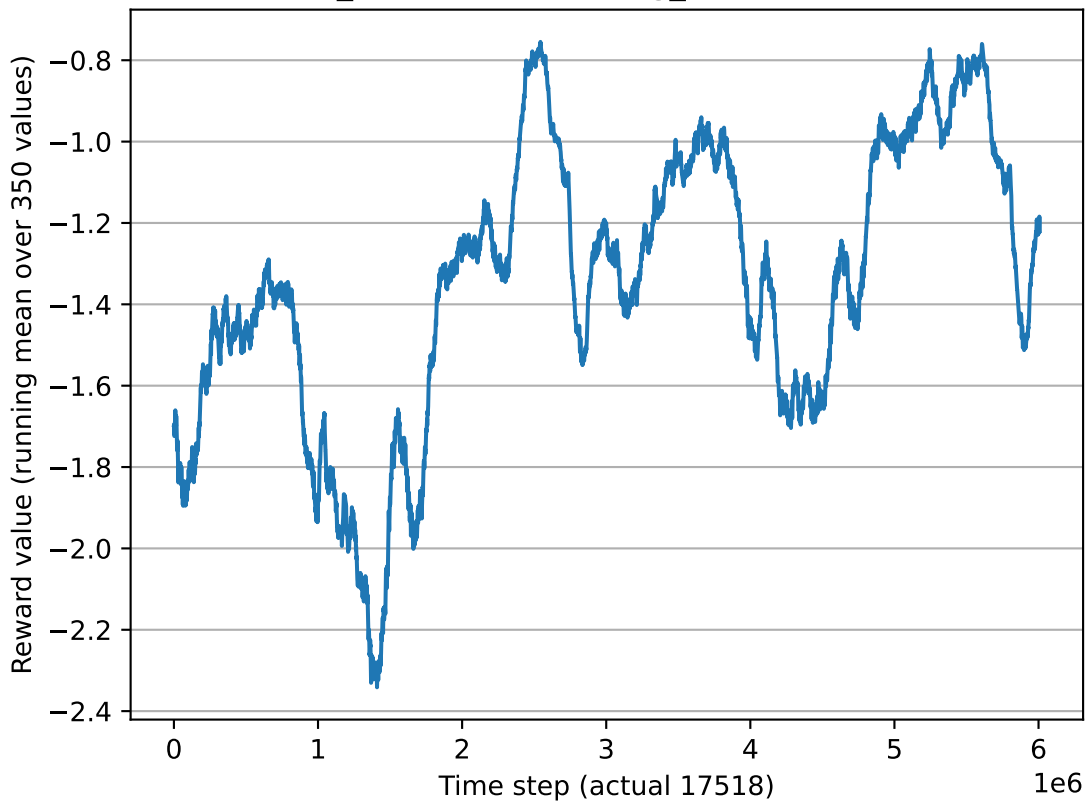SAC_DB2Value - Building_3 reward values

SAC_DB2Value - Building_4 reward values

SAC_DB2Value - Building_5 reward values

SAC_DB2Value - Building_6 reward values

SAC_DB2Value evaluation results during training

Legend:
- 1 - average_daily_renewable_share
- 1 - average_daily_renewable_share_grid
- 1 - used_pv_of_total_share
- fossil_energy_consumption