KPIs at building-level

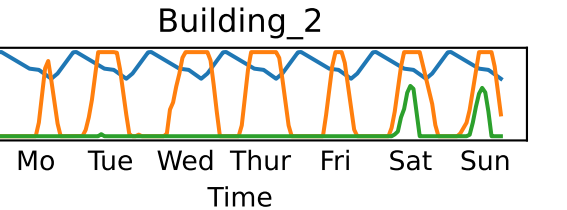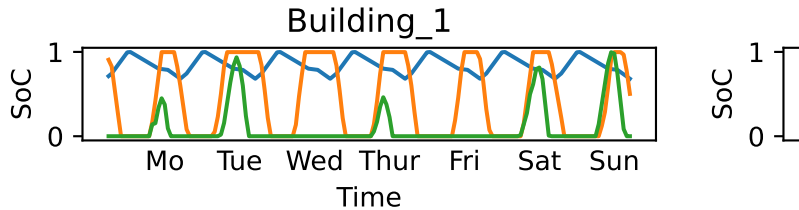|	1 - used_pv_of_total_share	carbon_emissions	cost	electricity_consumption
Building_1	RBC: 1.138 / SAC_DB2Value: 1.31 / SAC_DB2Value Best: 1.126	1.036 / 0.964 / 0.946	1.034 / 0.968 / 0.944	1.036 / 0.963 / 0.945
Building_2	1.119 / 1.049 / 0.996	1.025 / 0.978 / 0.961	1.024 / 0.98 / 0.961	1.025 / 0.977 / 0.961
Building_3	1.201 / 0.803 / 0.815	1.098 / 0.988 / 0.894	1.091 / 0.999 / 0.9	1.099 / 0.985 / 0.892
Building_4	1.113 / 1.174 / 1.108	1.038 / 0.946 / 0.925	1.037 / 0.95 / 0.923	1.038 / 0.946 / 0.925
Building_5	1.122 / 1.052 / 1.043	1.026 / 0.974 / 0.958	1.025 / 0.979 / 0.957	1.026 / 0.974 / 0.958
Building_6	1.152 / 1.267 / 1.137	1.045 / 0.958 / 0.939	1.043 / 0.964 / 0.939	1.045 / 0.956 / 0.939

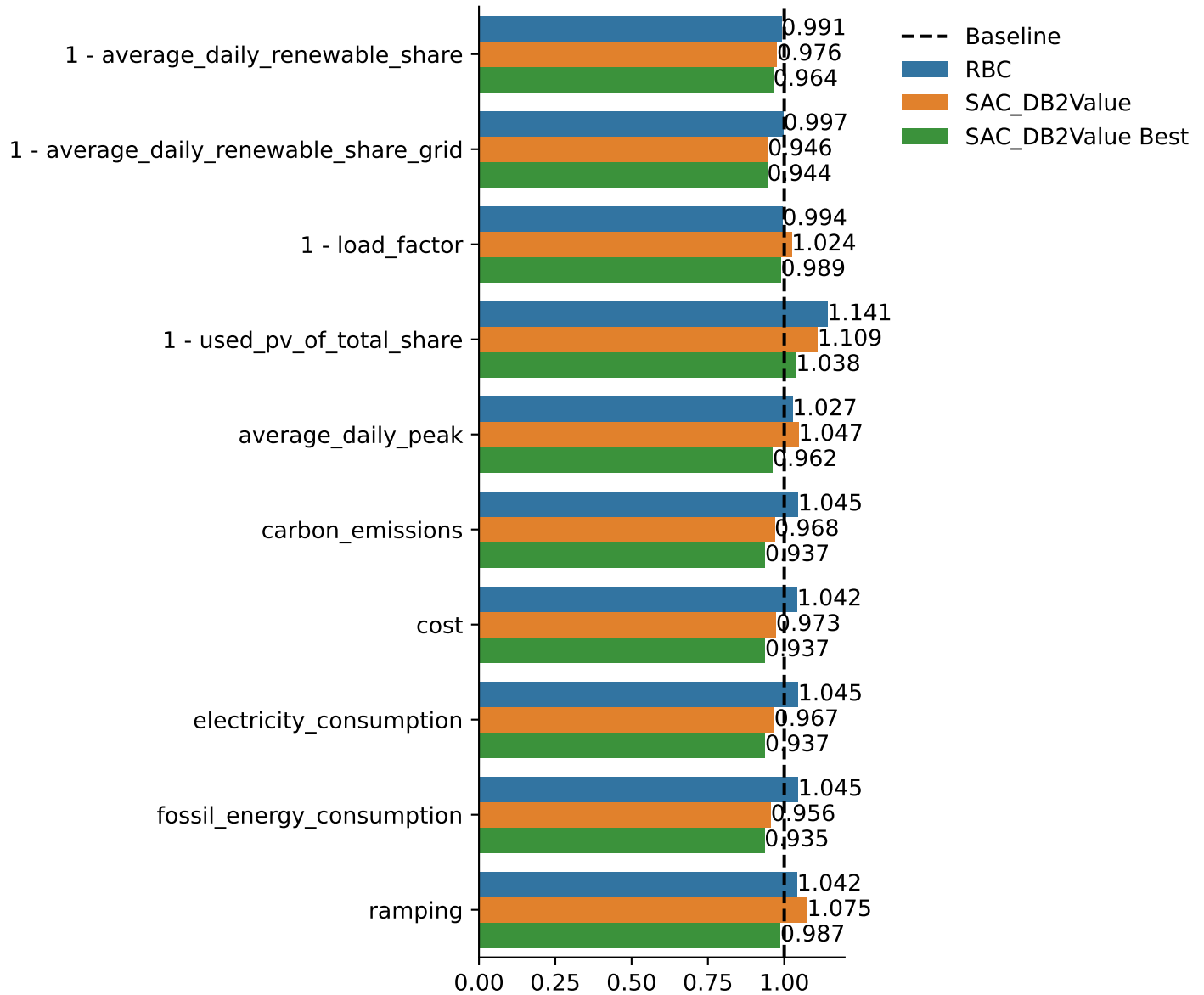Legend: Baseline (dashed), RBC, SAC_DB2Value, SAC_DB2Value Best

Building-level net electricty consumption profile
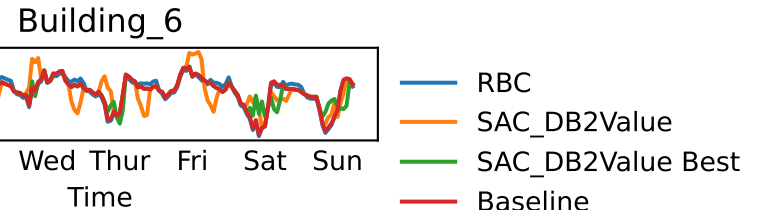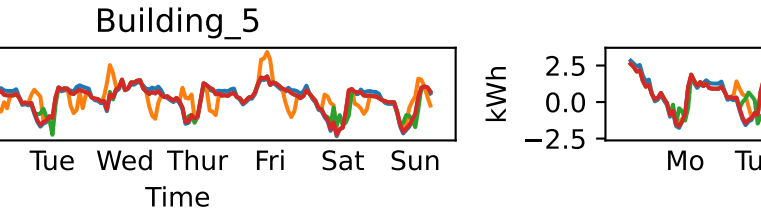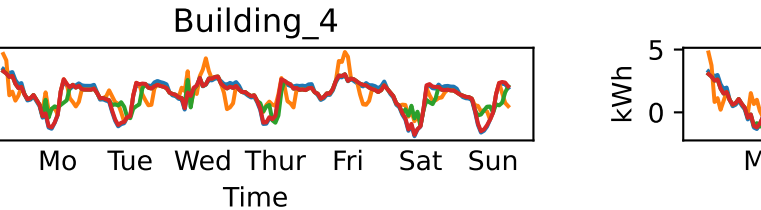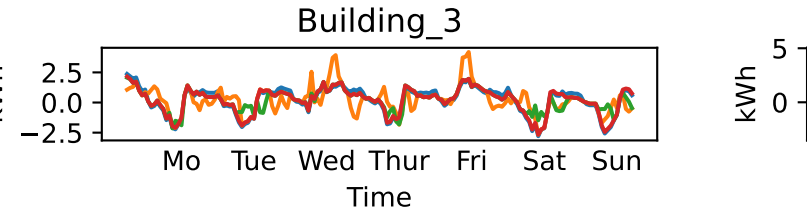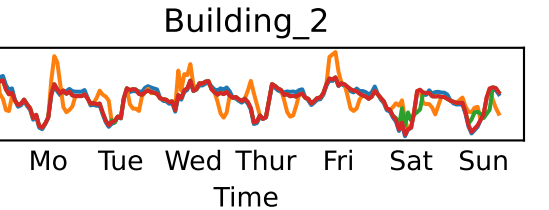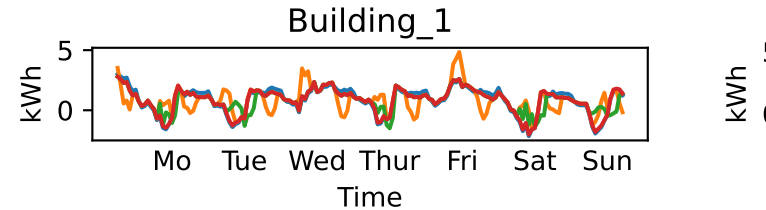
Building-level battery SoC profiles

KPIs at district-level
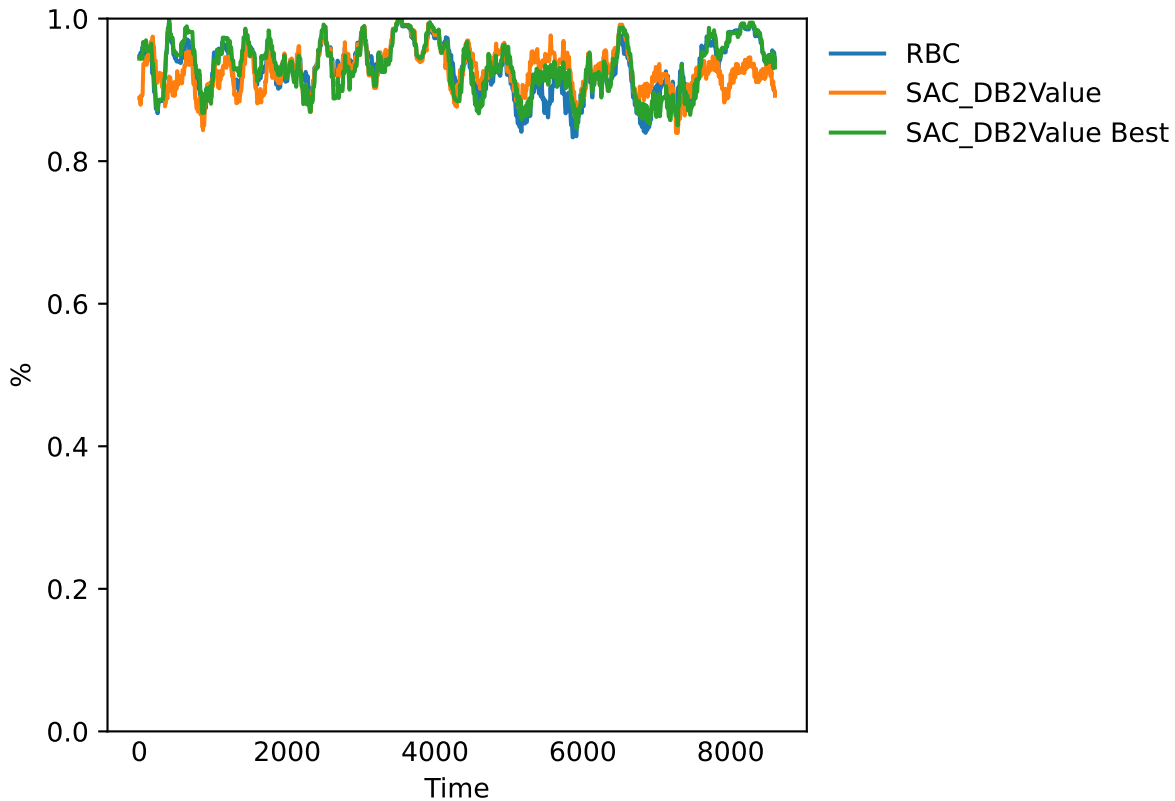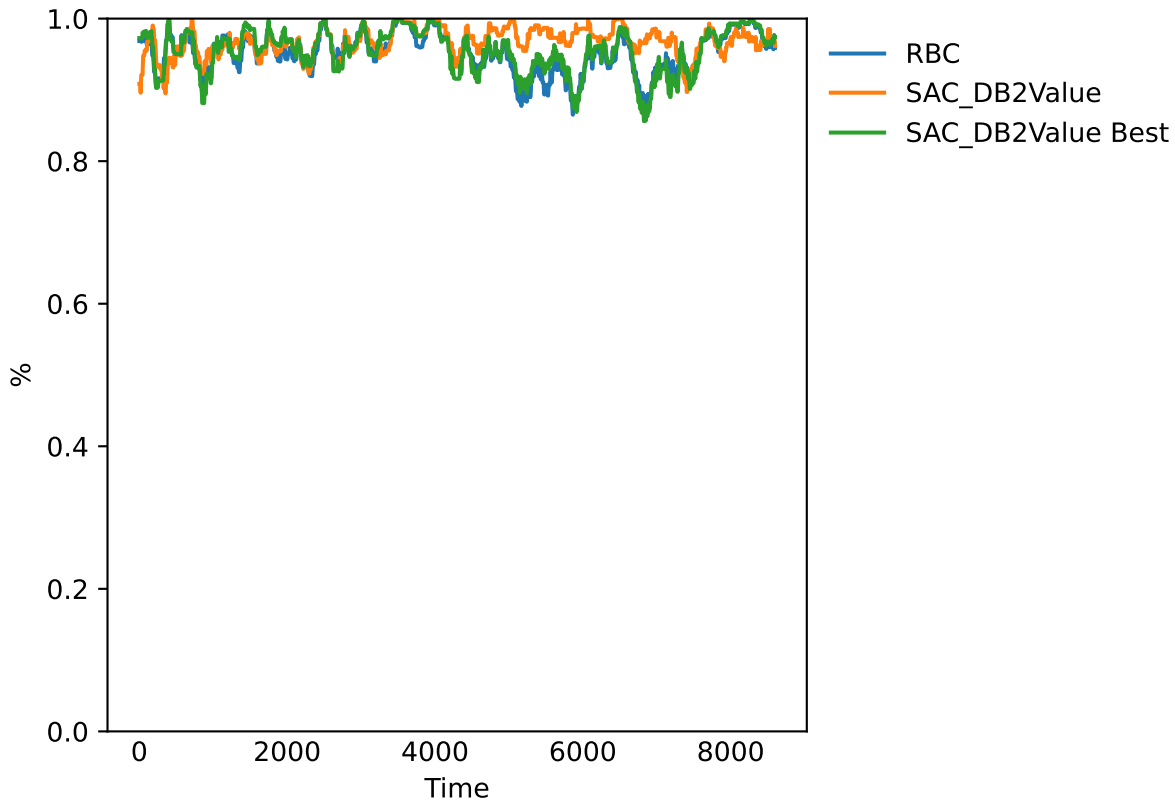
	RBC	SAC_DB2Value	SAC_DB2Value Best
1 - average_daily_renewable_share	0.991	0.976	0.964
1 - average_daily_renewable_share_grid	0.997	0.946	0.944
1 - load_factor	0.994	1.024	0.989
1 - used_pv_of_total_share	1.141	1.109	1.038
average_daily_peak	1.027	1.047	0.962
carbon_emissions	1.045	0.968	0.937
cost	1.042	0.973	0.937
electricity_consumption	1.045	0.967	0.937
fossil_energy_consumption	1.045	0.956	0.935
ramping	1.042	1.075	0.987

District-level net electricty consumption profile

Legend:
- RBC
- SAC_DB2Value
- SAC_DB2Value Best
- Baseline

Y-axis: kWh (25, 0)

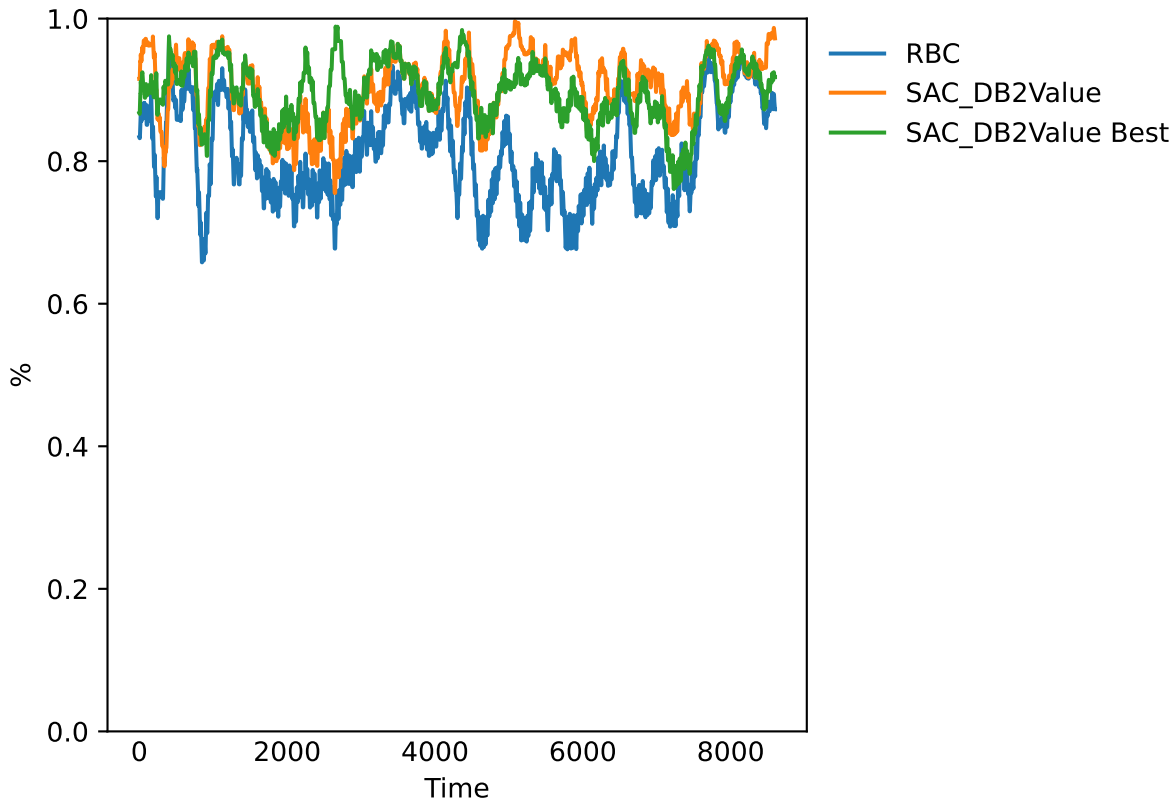X-axis: Time (Mo, Tue, Wed, Thur, Fri, Sat, Sun)
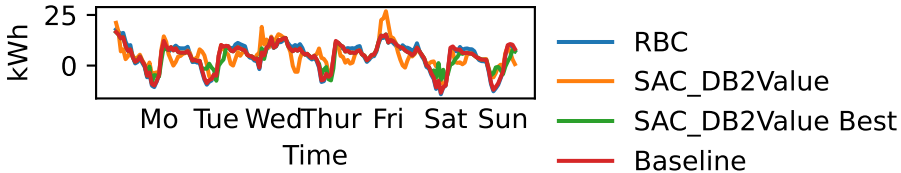
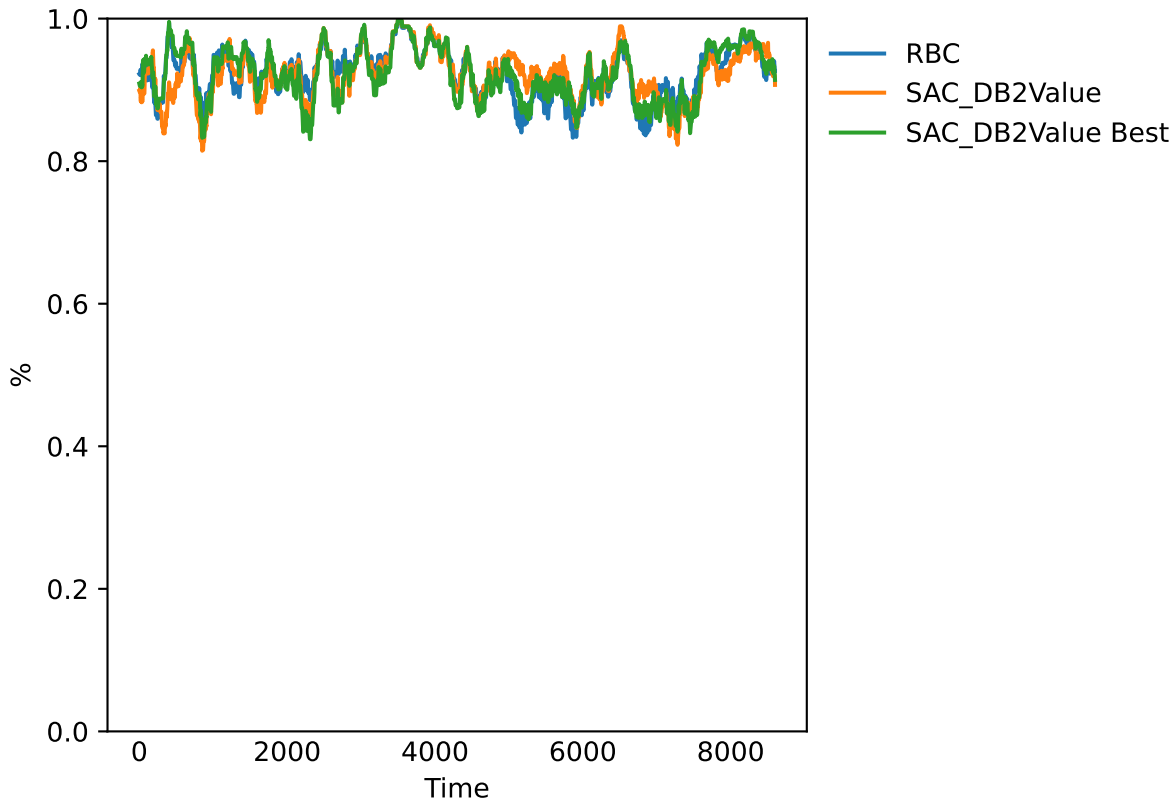Used PV / available share (Building_1)
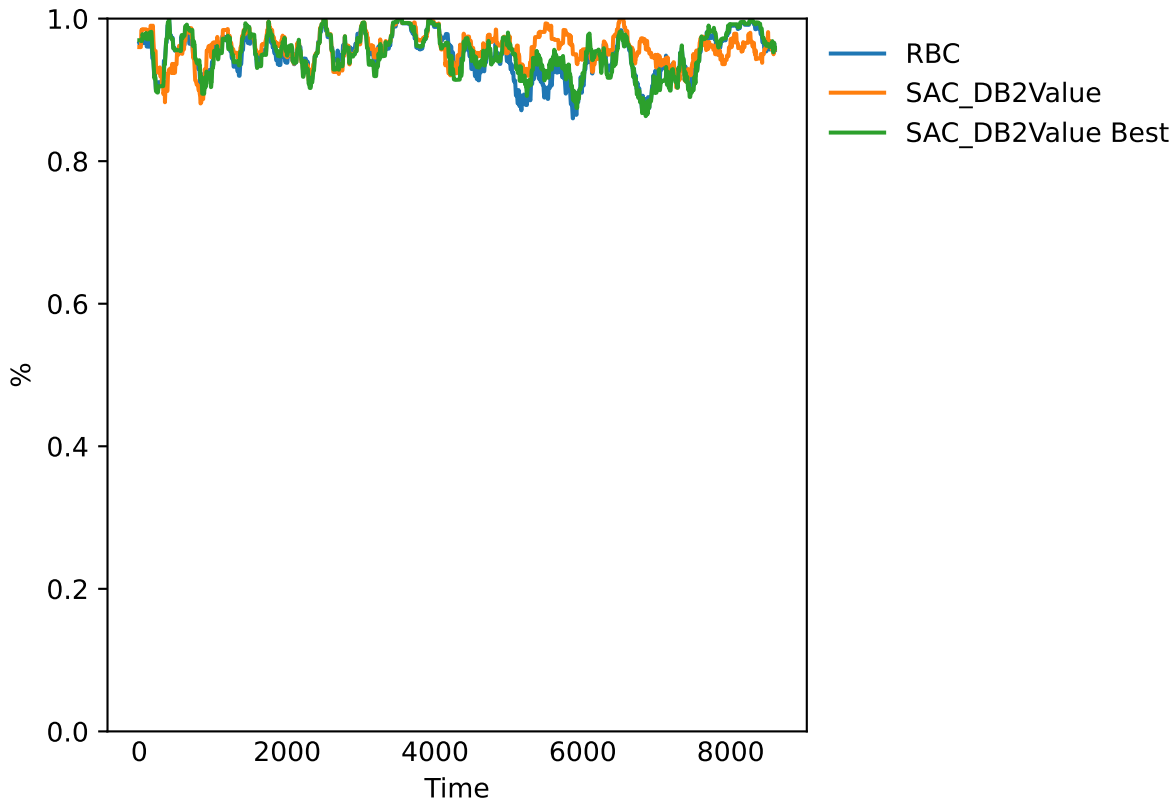
Used PV / available share (Building_2)

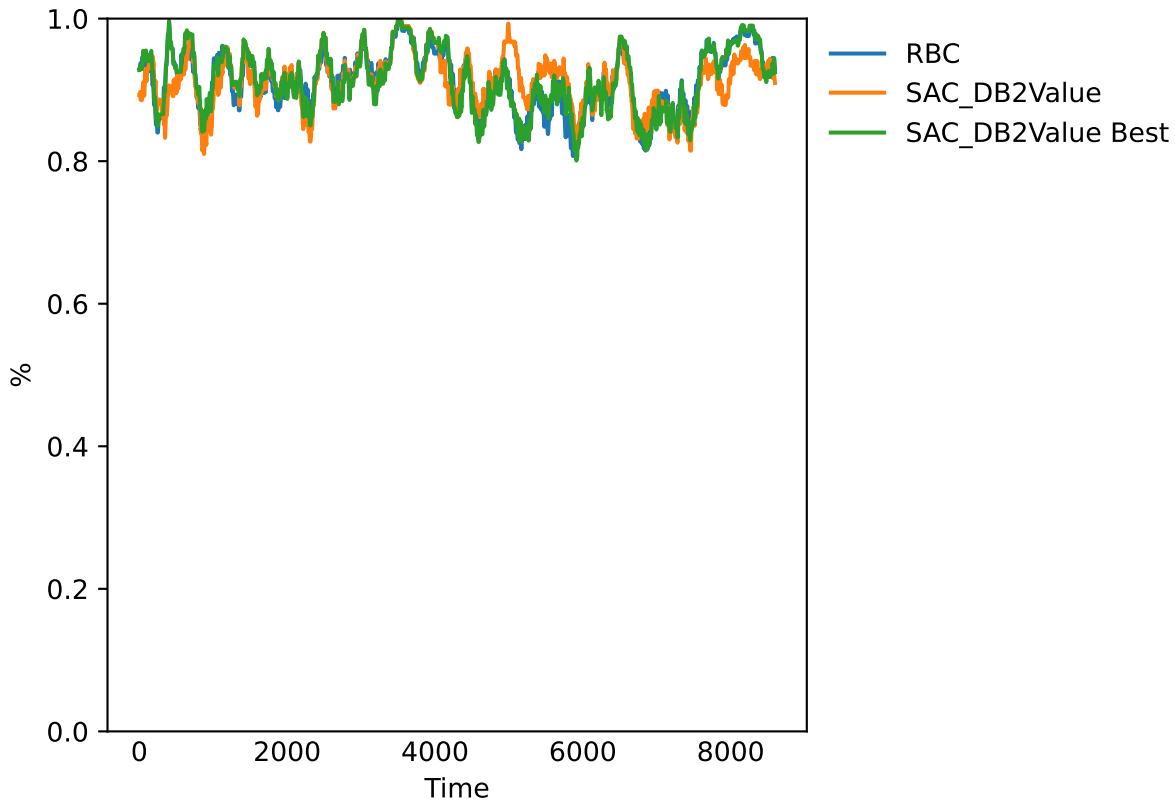Used PV / available share (Building_3)
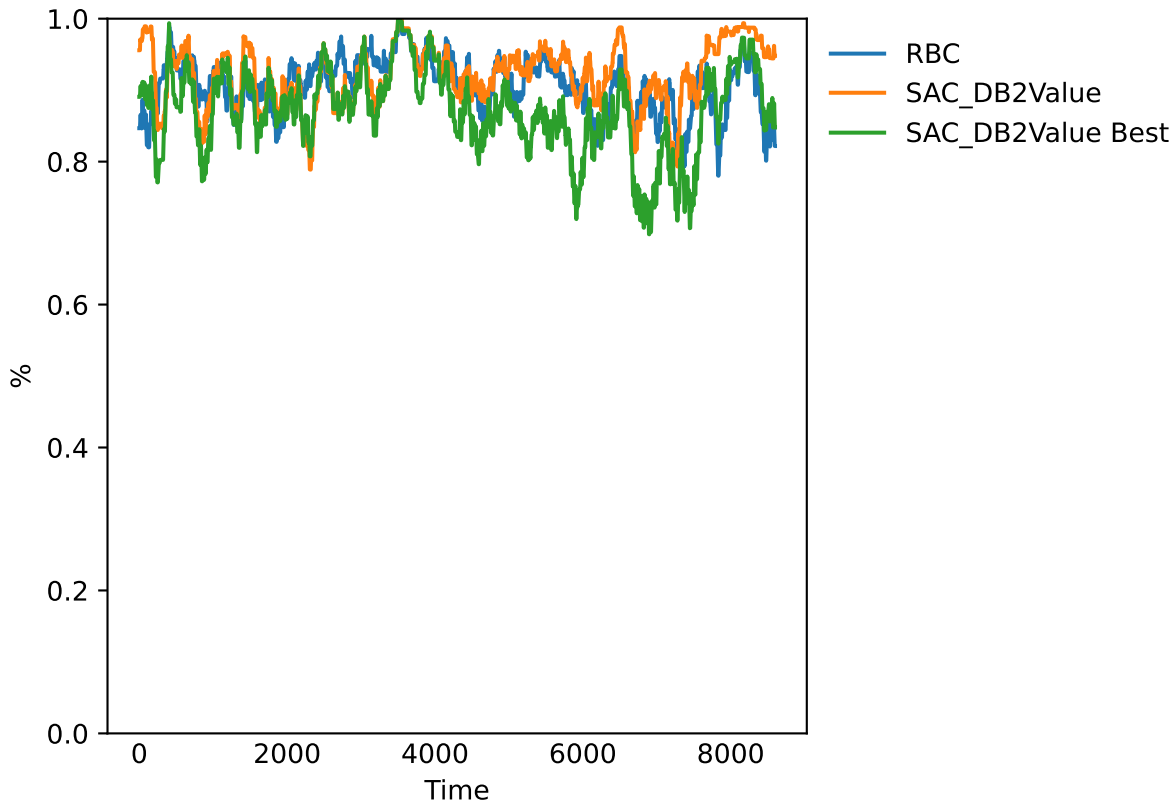
Used PV / available share (Building_4)

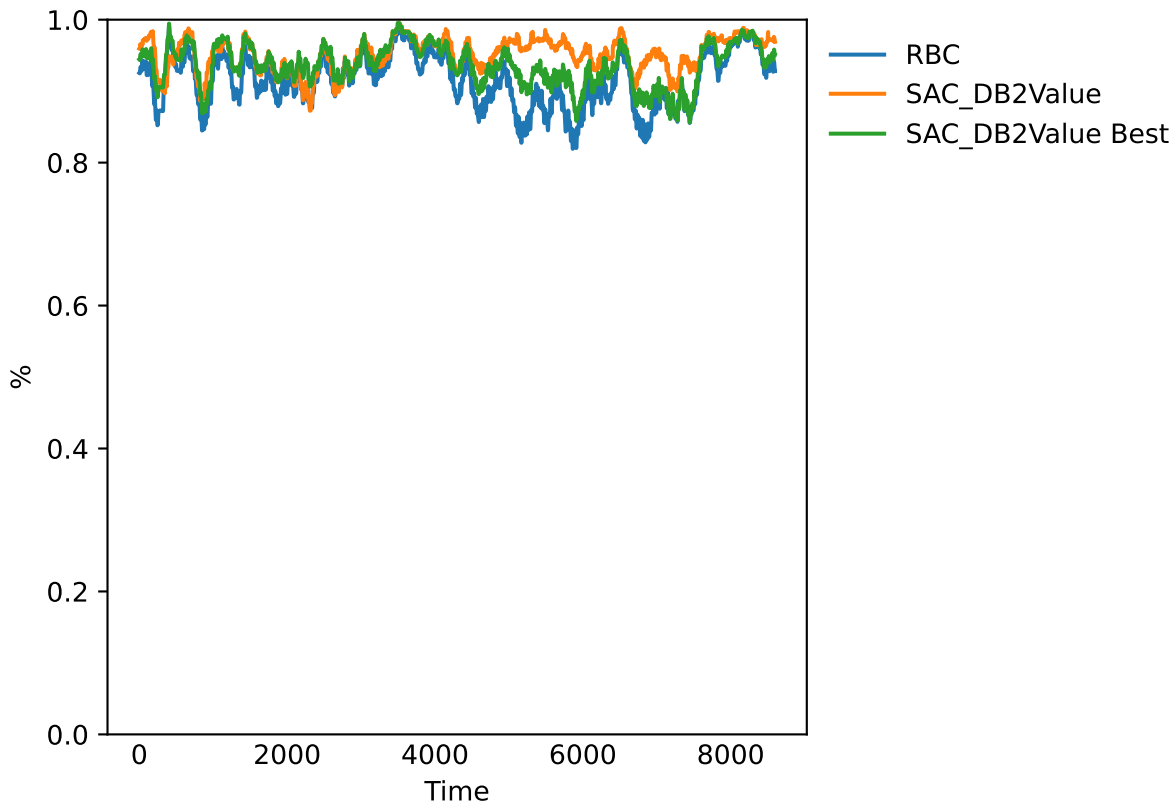Used PV / available share (Building_5)
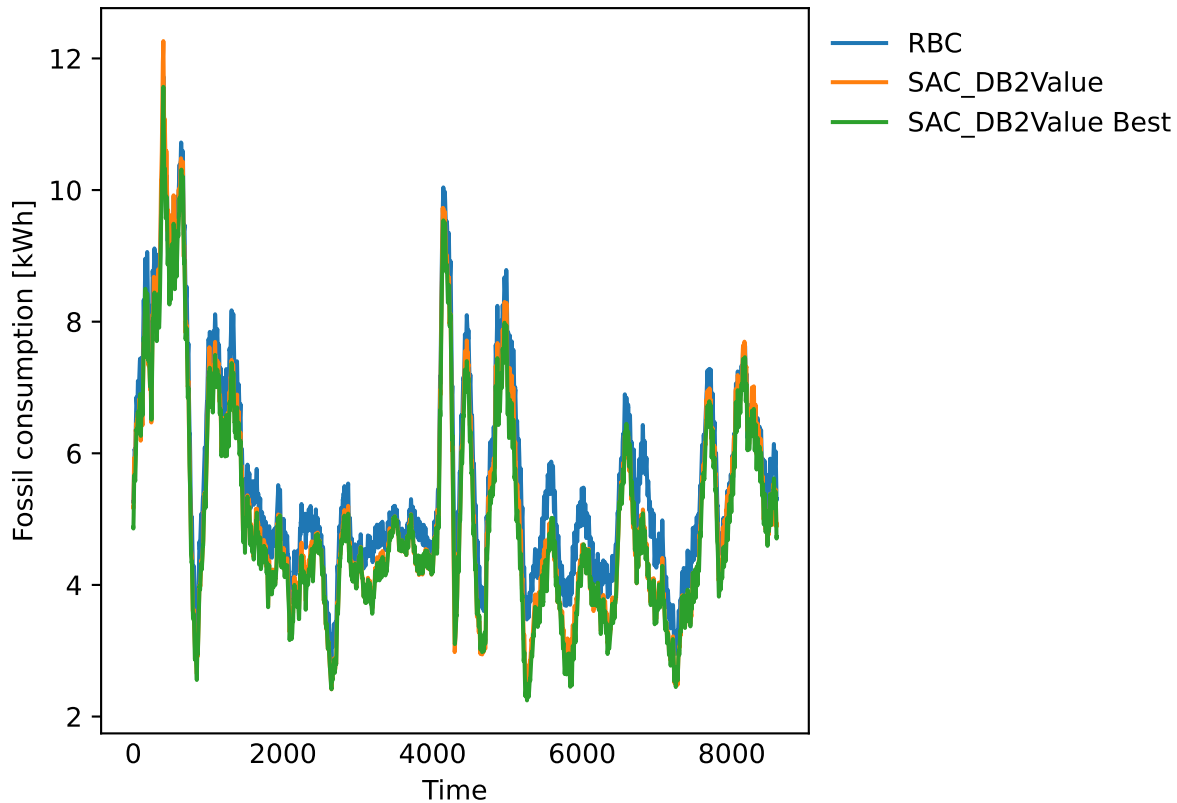
Used PV / available share (Building_6)

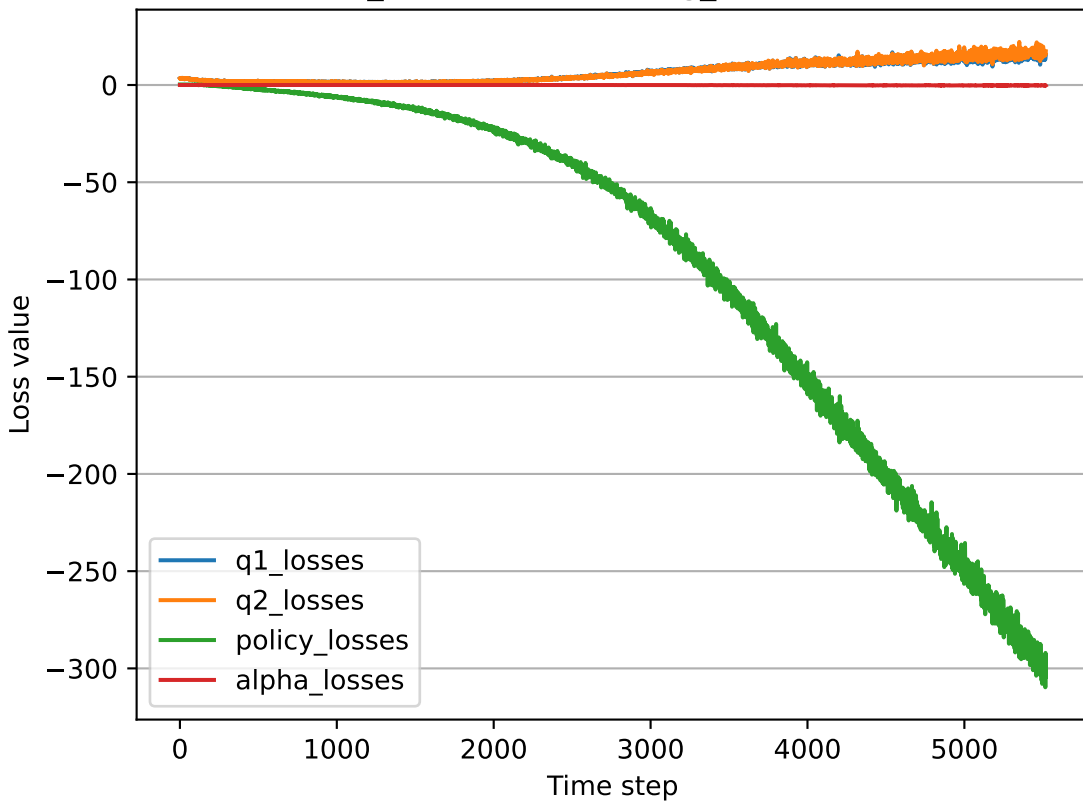District-level used renewable energy grid / available
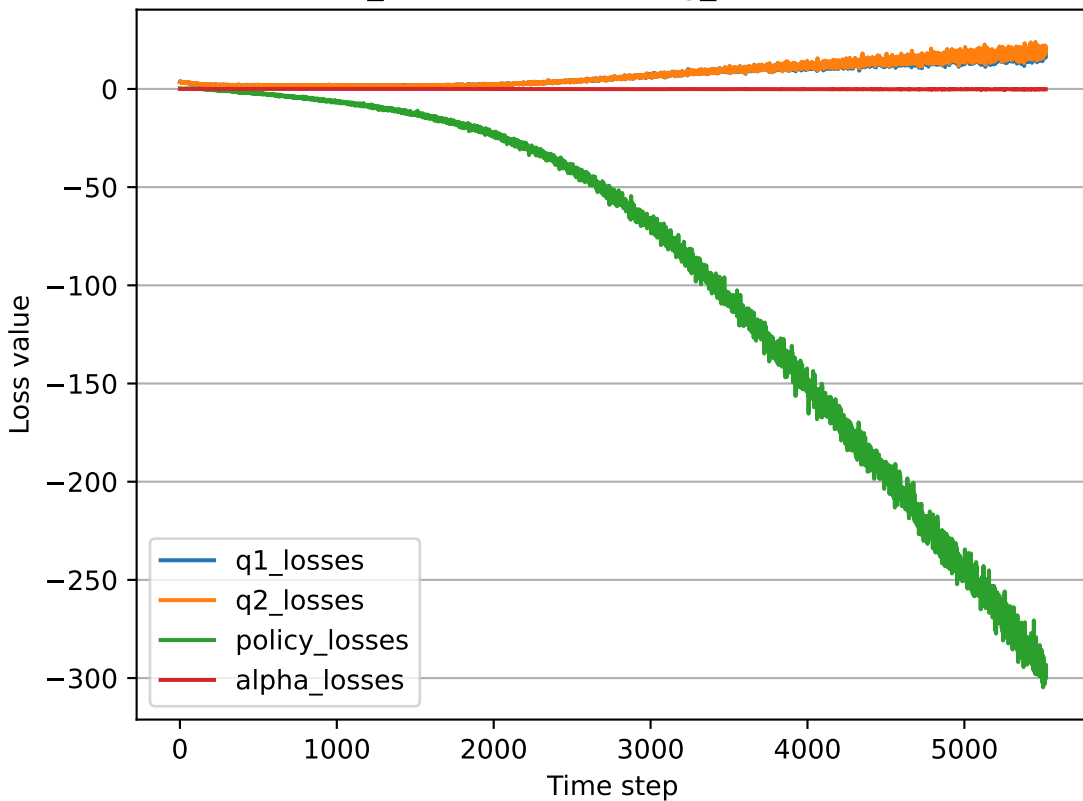
District-level used renewable energy / available
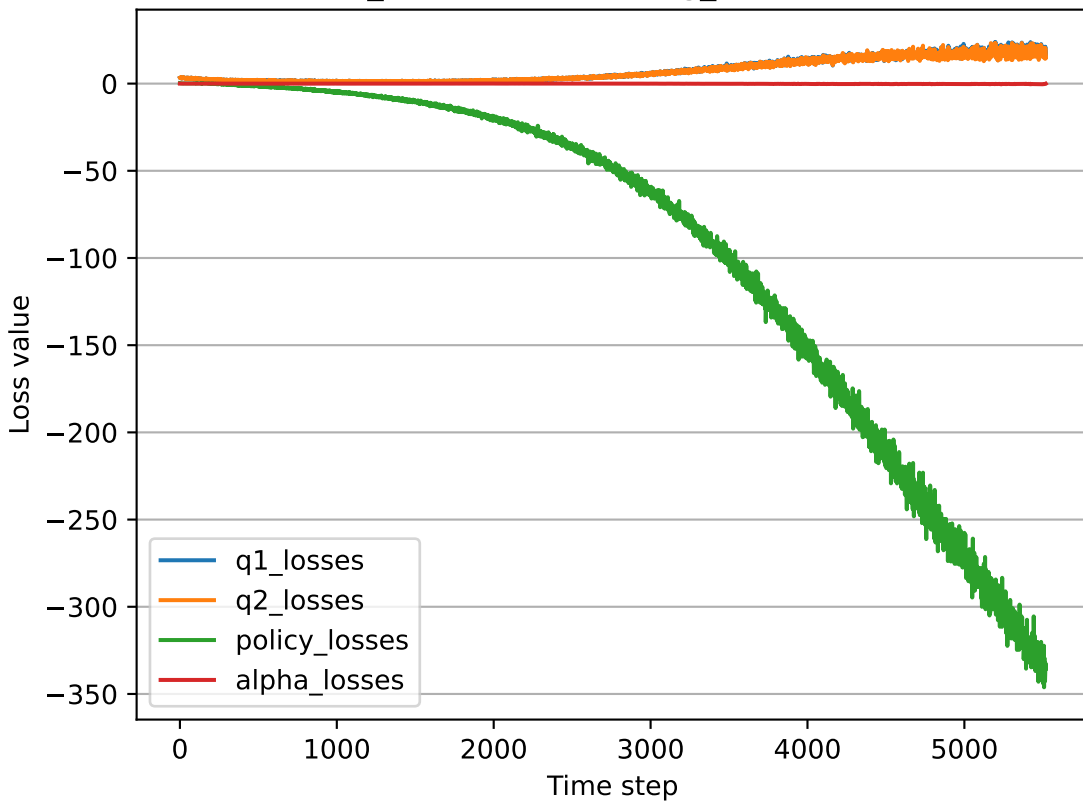
District-level fossil energy consumption
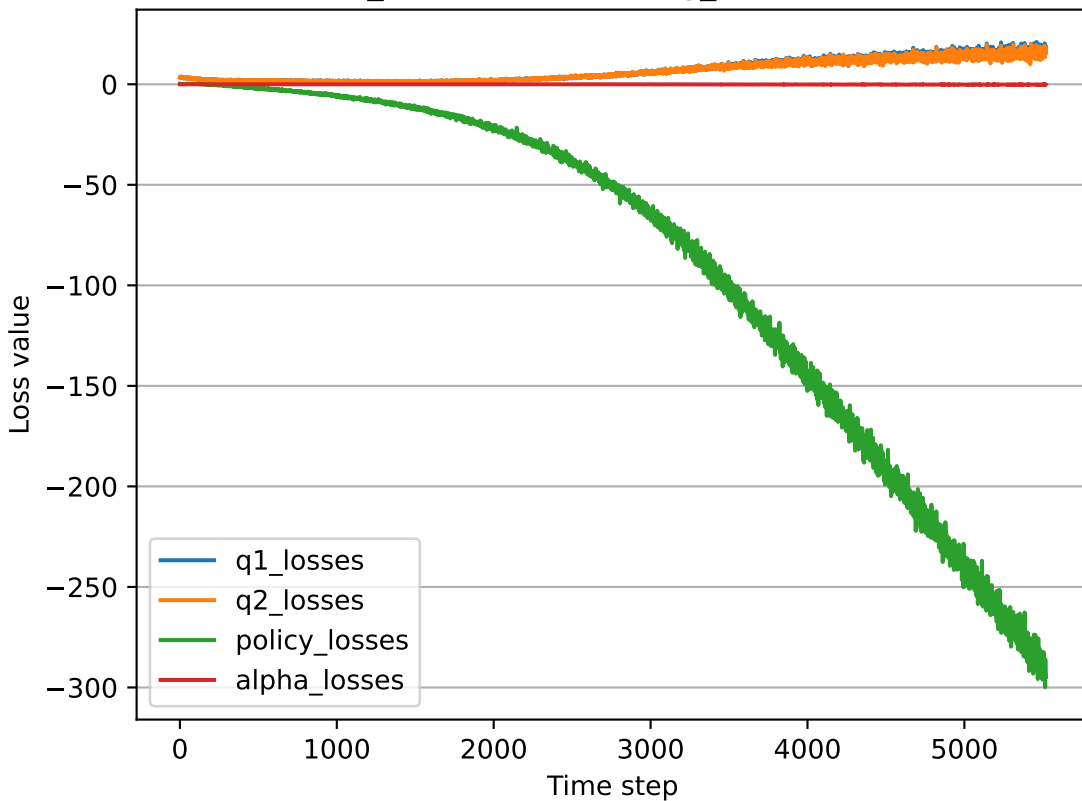
SAC_DB2Value - Building_1 loss values
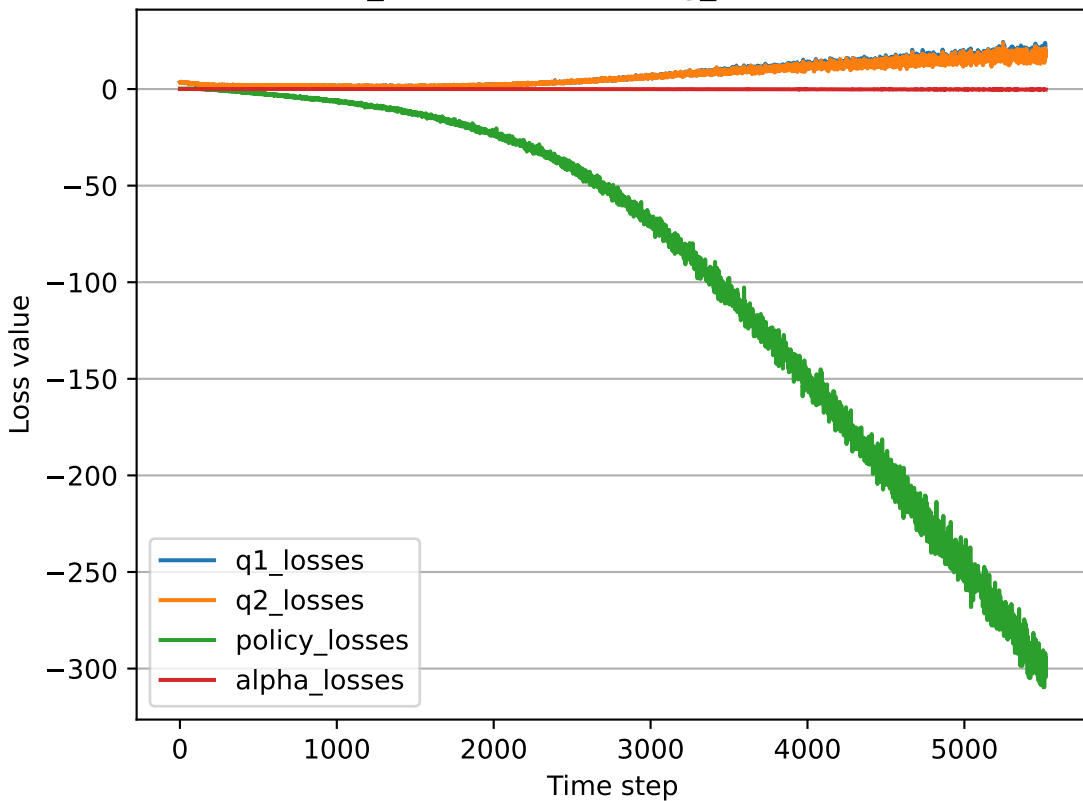
SAC_DB2Value - Building_2 loss values
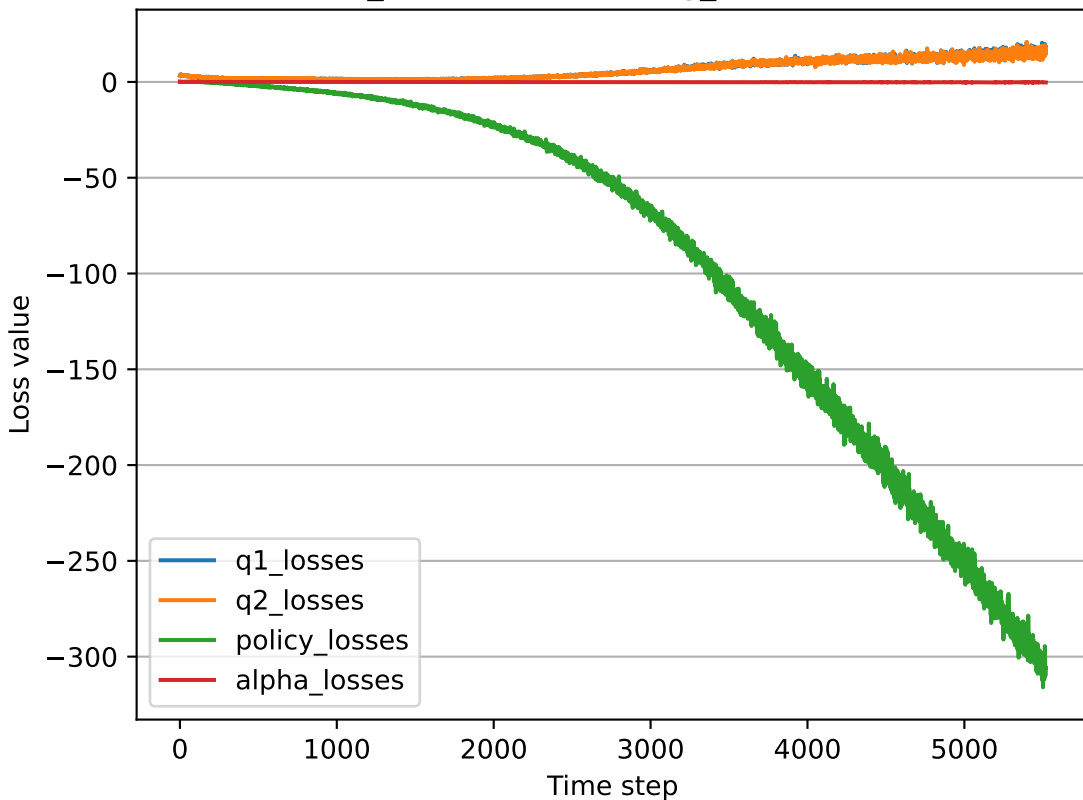
SAC_DB2Value - Building_3 loss values

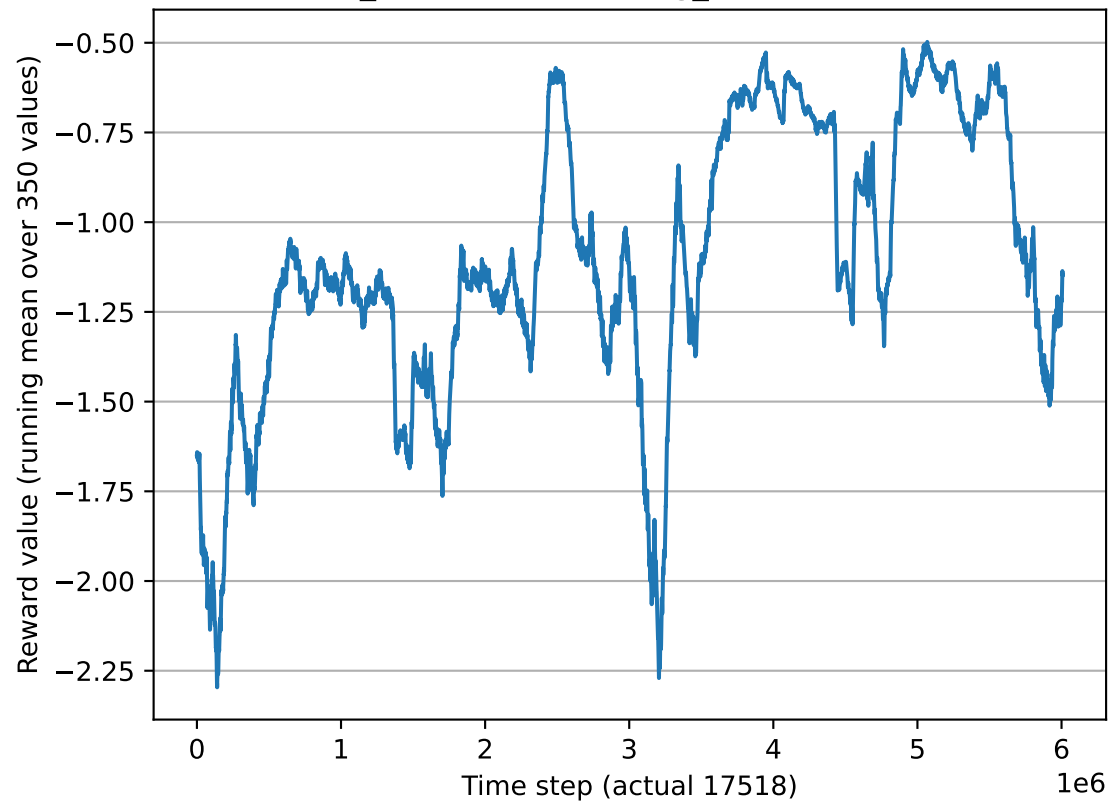SAC_DB2Value - Building_4 loss values

SAC_DB2Value - Building_5 loss values

SAC_DB2Value - Building_6 loss values

- q1_losses
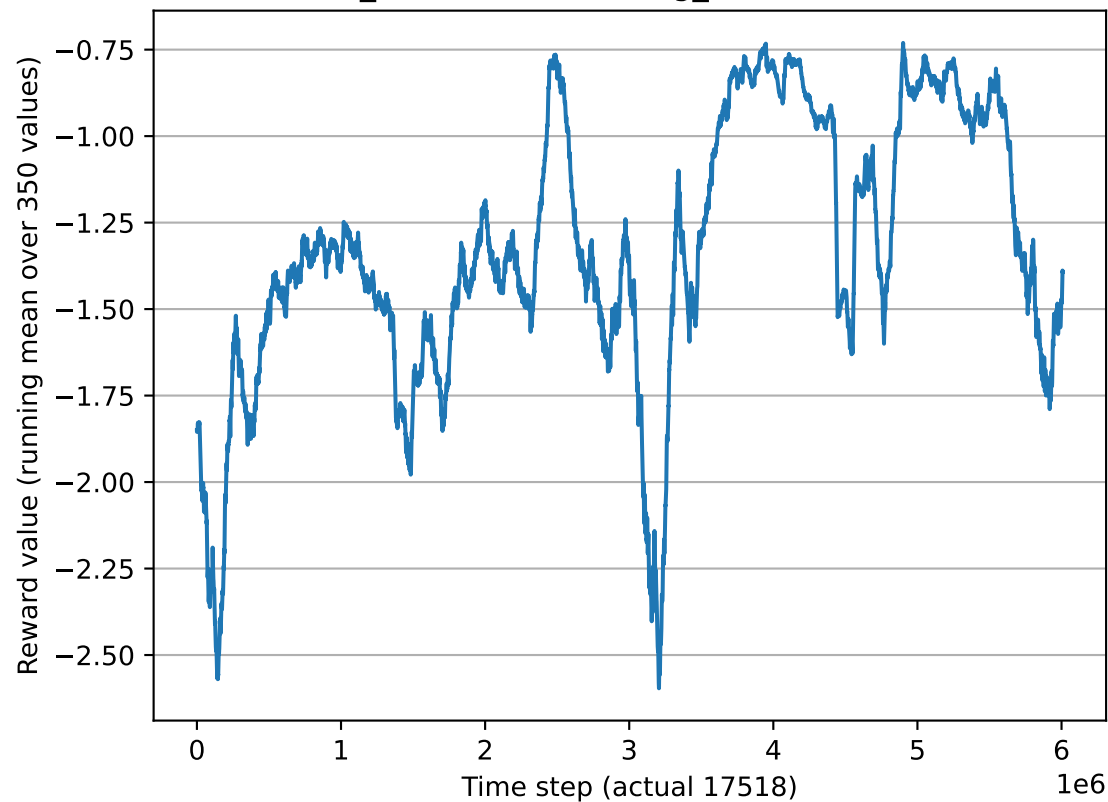- q2_losses
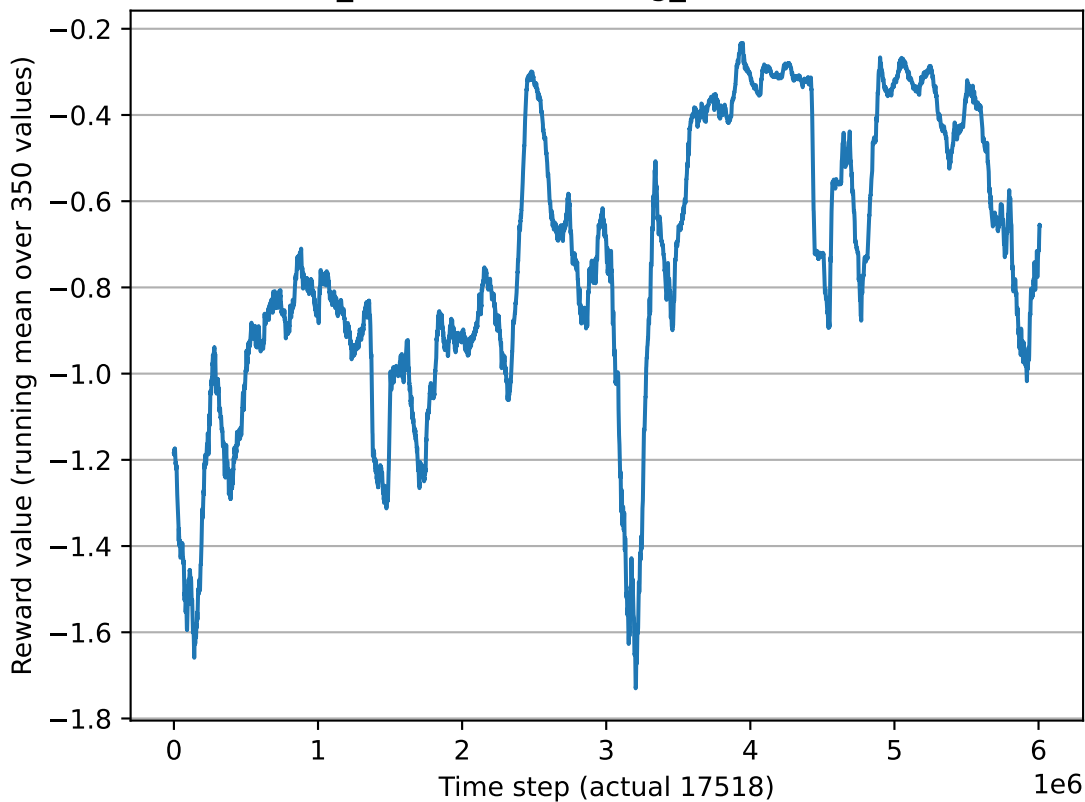- policy_losses
- alpha_losses
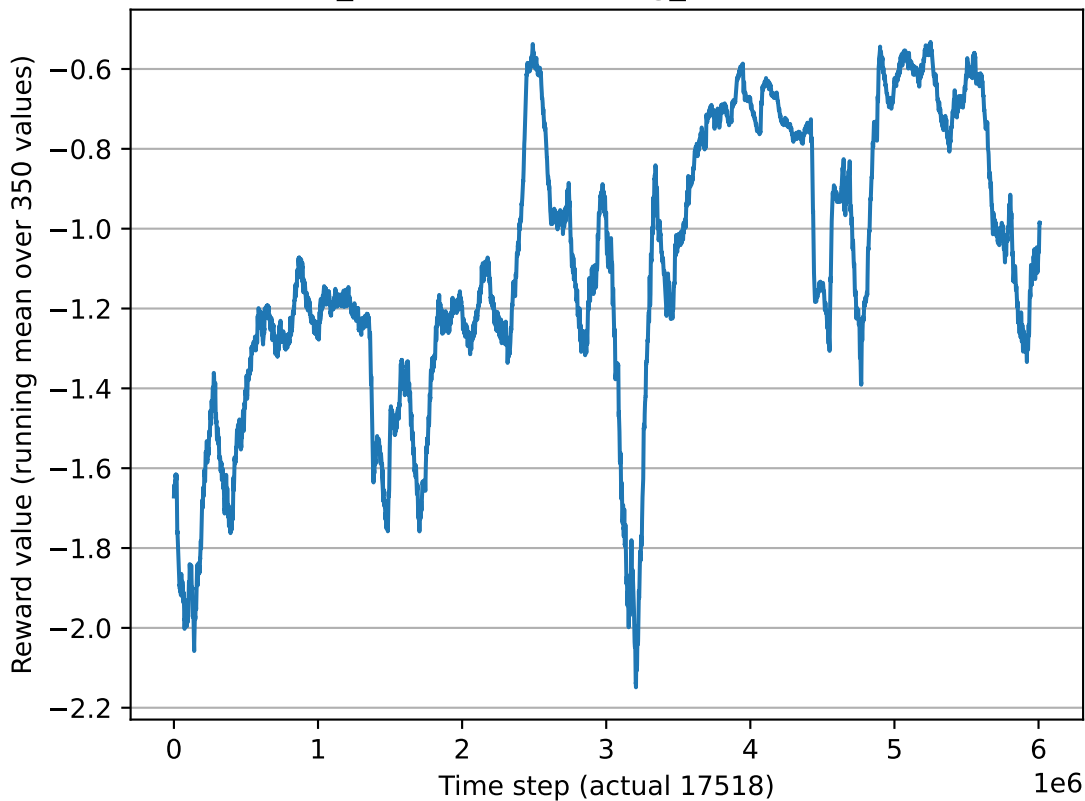
SAC_DB2Value - Building_1 reward values

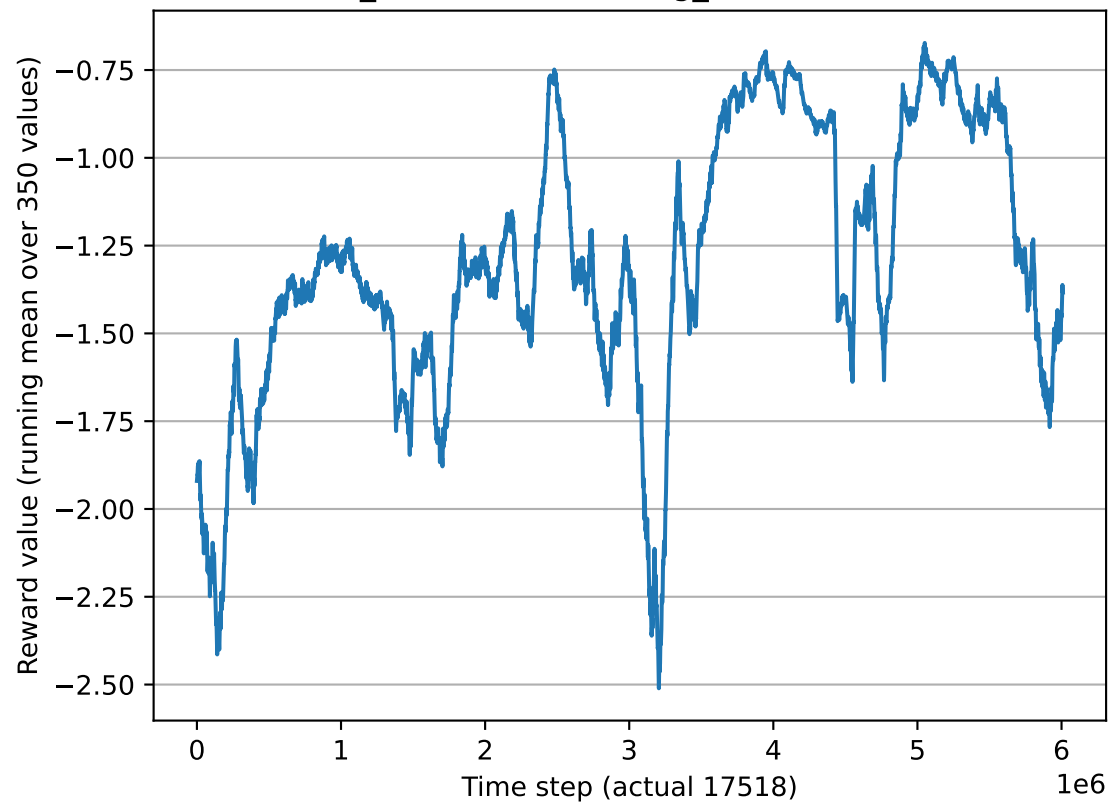SAC_DB2Value - Building_2 reward values

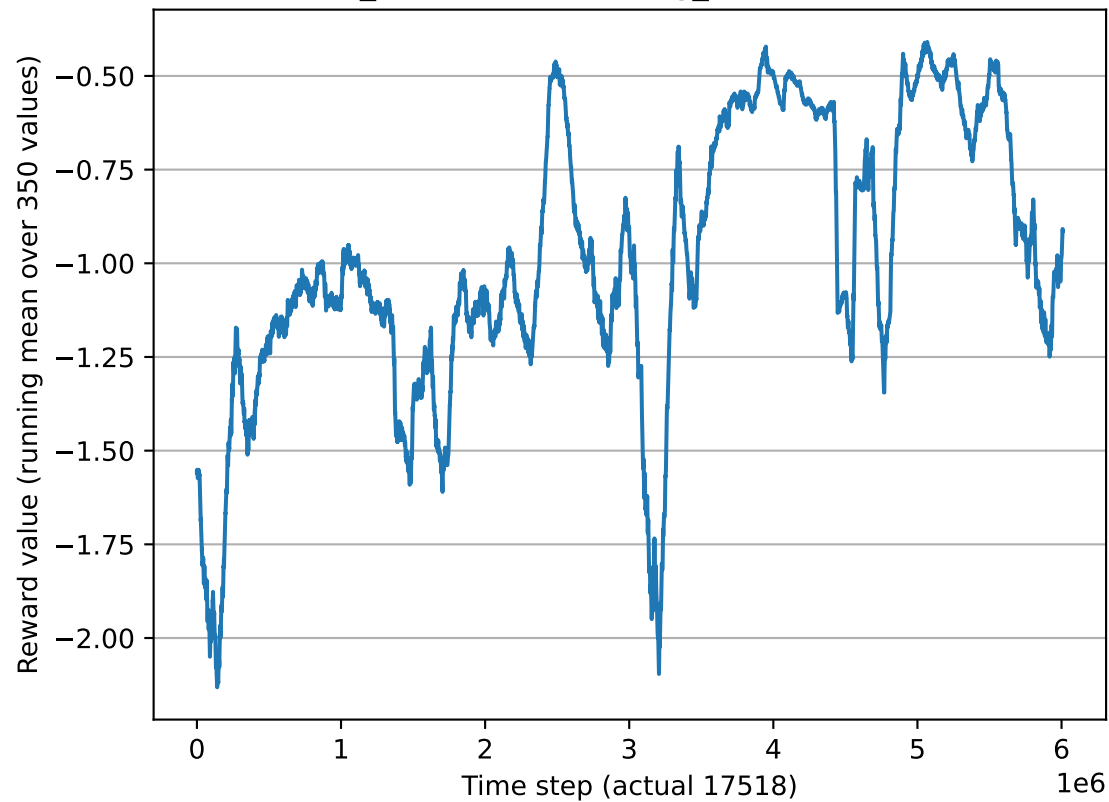SAC_DB2Value - Building_3 reward values

SAC_DB2Value - Building_4 reward values

SAC_DB2Value - Building_5 reward values

SAC_DB2Value - Building_6 reward values

SAC_DB2Value evaluation results during training

- 1 - average_daily_renewable_share
- 1 - average_daily_renewable_share_grid
- 1 - used_pv_of_total_share
- fossil_energy_consumption