Table-driven load: PSS/E validation report

Generated 2026-10-28 12:38

Demand table: sample.lpb

Model LPB1BL, simulated with PSS/E 35

Integration step 0.001 s; lags shorter than 0.004 s are skipped

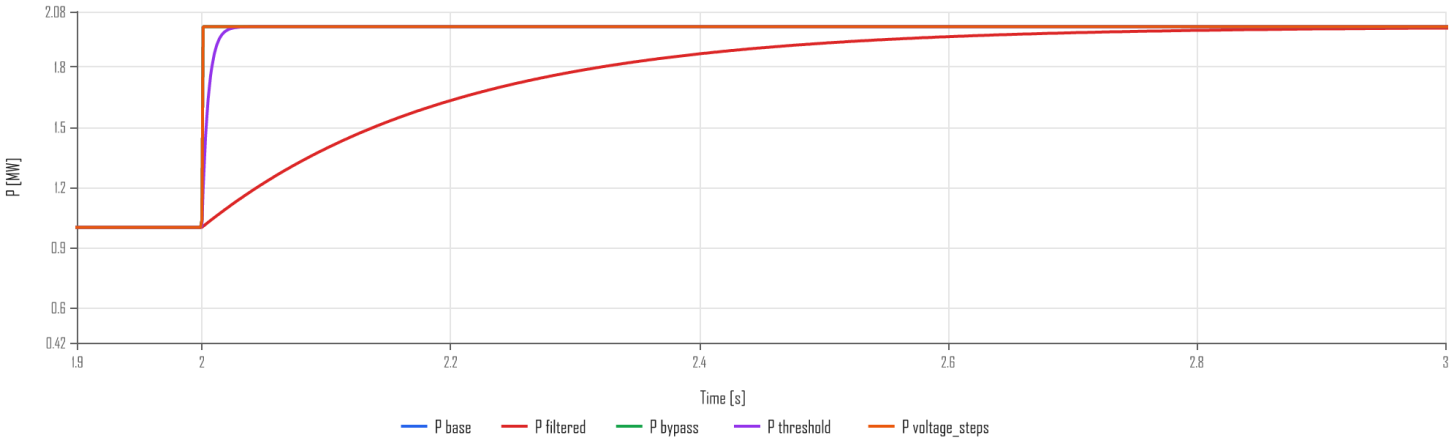
Tolerances: demand 0.005 MW/Mvar, delivered 0.01 MW/Mvar

Scenario	Tfp [s]	Tfq [s]	Max demand error	Max delivered gap	Not converged	Result
base	0	0	4.34e-04 at 2.000 s	5.94e-03 at 6.002 s	0	PASS
filtered	0.2	0.5	5.00e-06 at 10.000 s	6.41e-03 at 6.008 s	0	PASS
bypass	0.0039	0.0039	4.34e-04 at 2.000 s	5.94e-03 at 6.002 s	0	PASS
threshold	0.005	0.005	7.90e-05 at 2.000 s	6.07e-03 at 6.013 s	0	PASS
voltage_steps	0	0	4.34e-04 at 2.000 s	5.72e-03 at 6.001 s	0	PASS

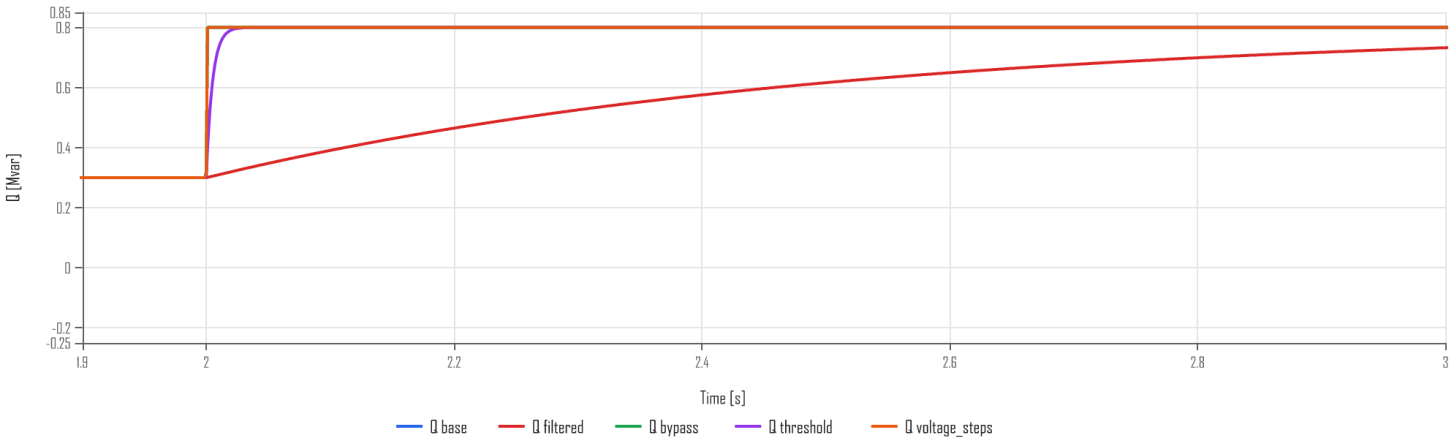
Overall result: PASS

All scenarios: demand step at 2 s

Active demand, all scenarios

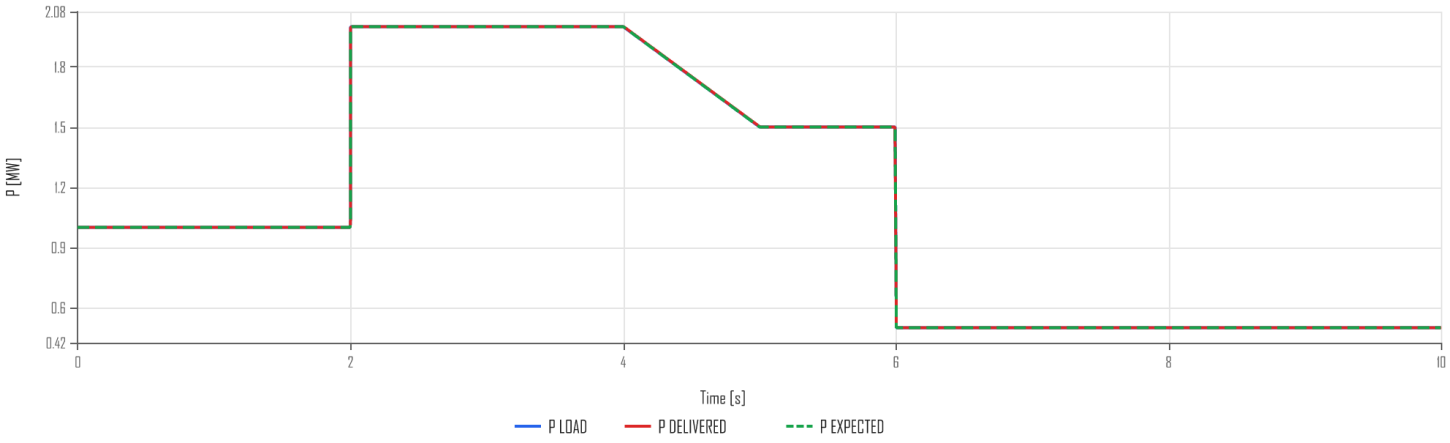


Reactive demand, all scenarios

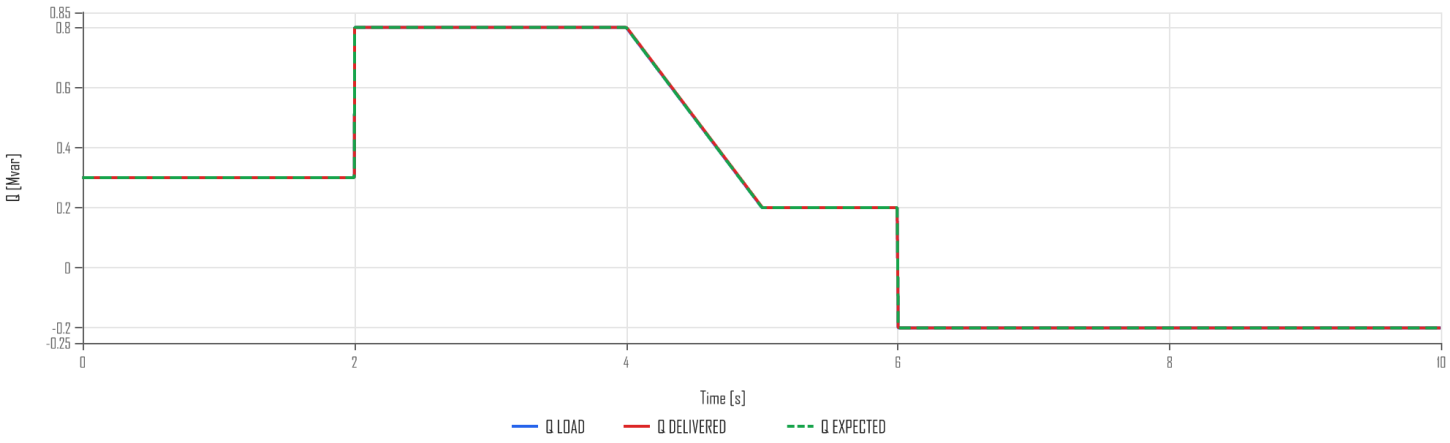


Scenario base: Tfp = 0.0 s, Tfq = 0.0 s

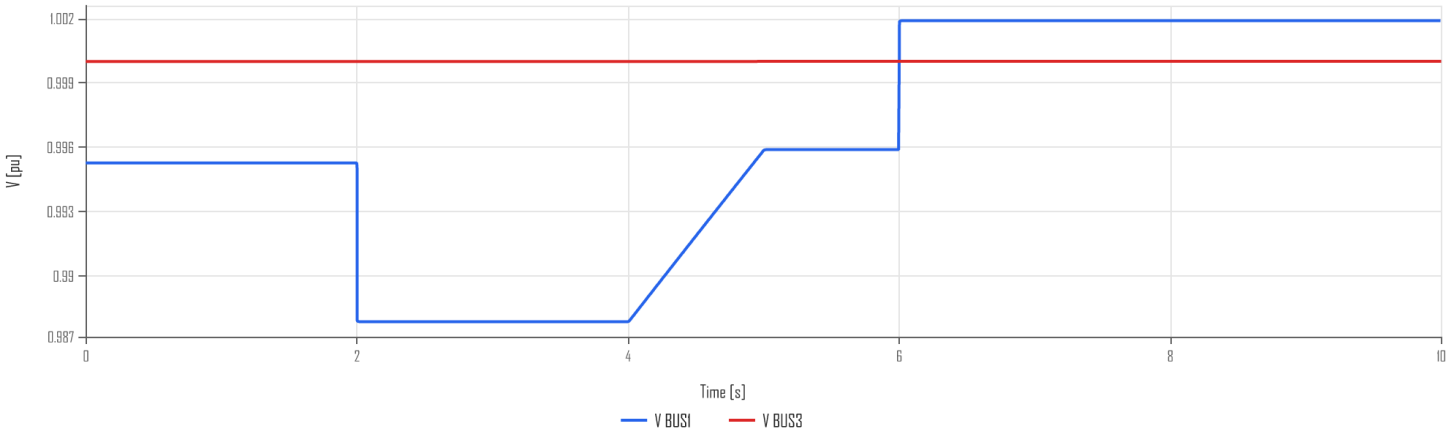
base: active demand



base: reactive demand

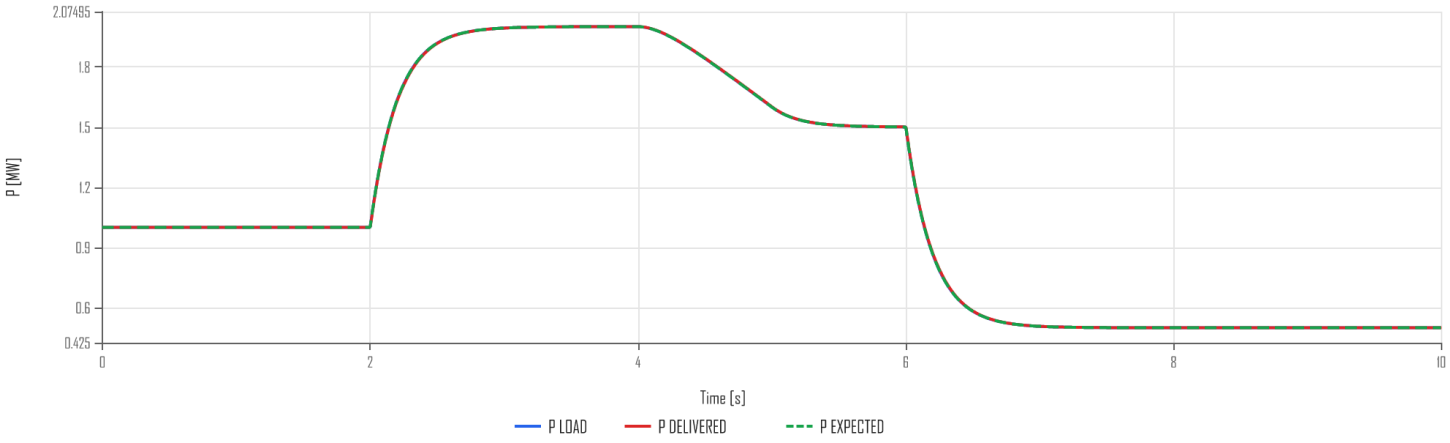


base: bus voltages

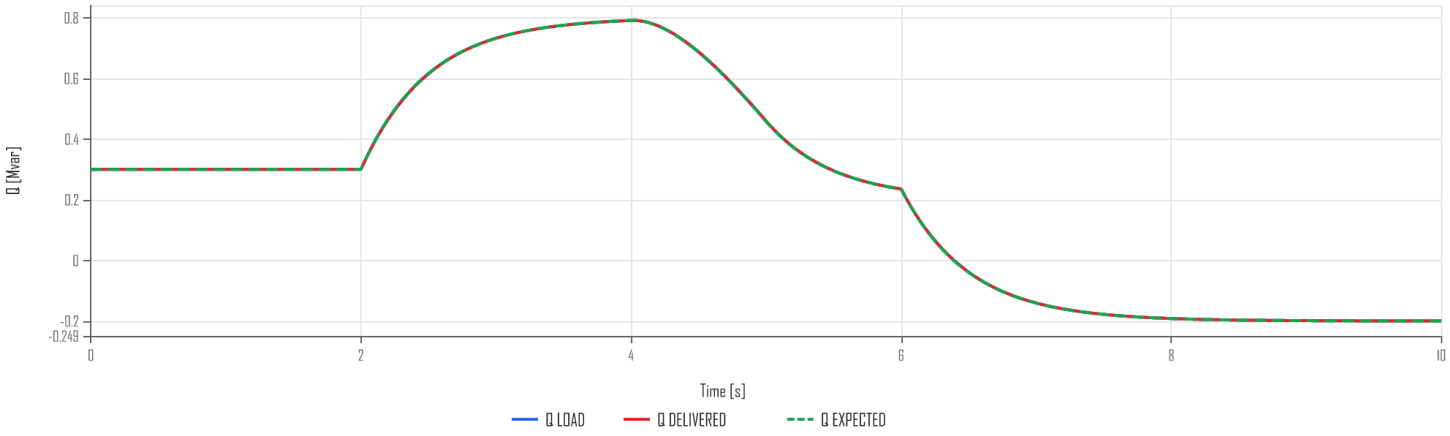


Scenario filtered: Tfp = 0.2 s, Tfq = 0.5 s

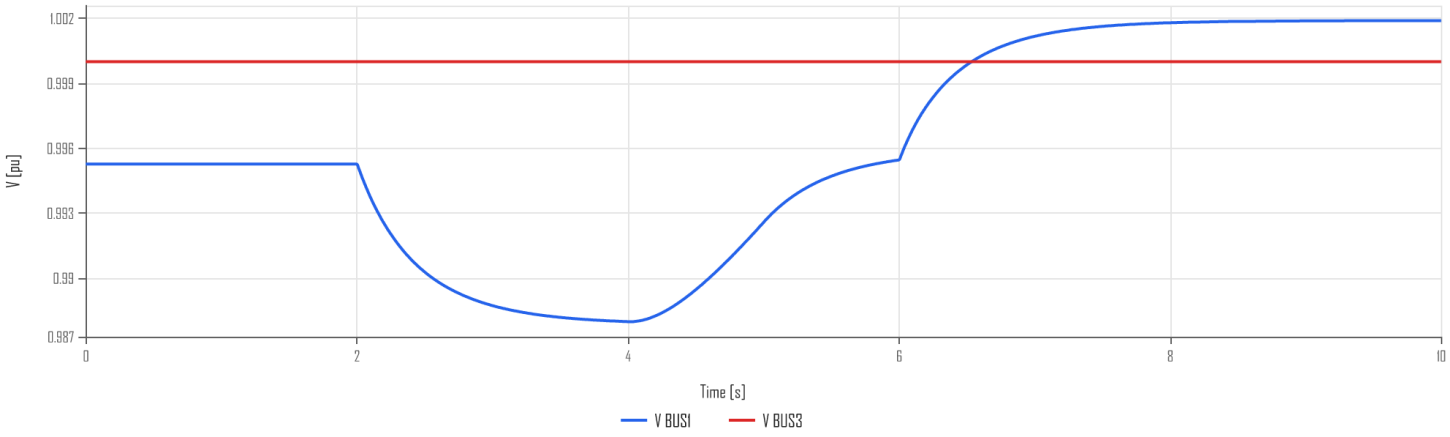
filtered: active demand



filtered: reactive demand

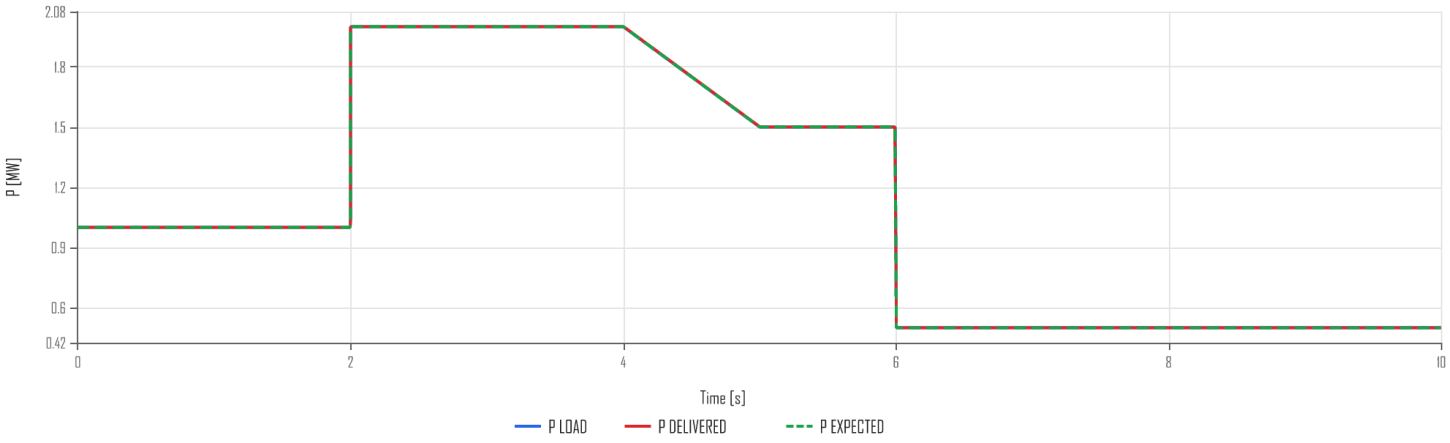


filtered: bus voltages

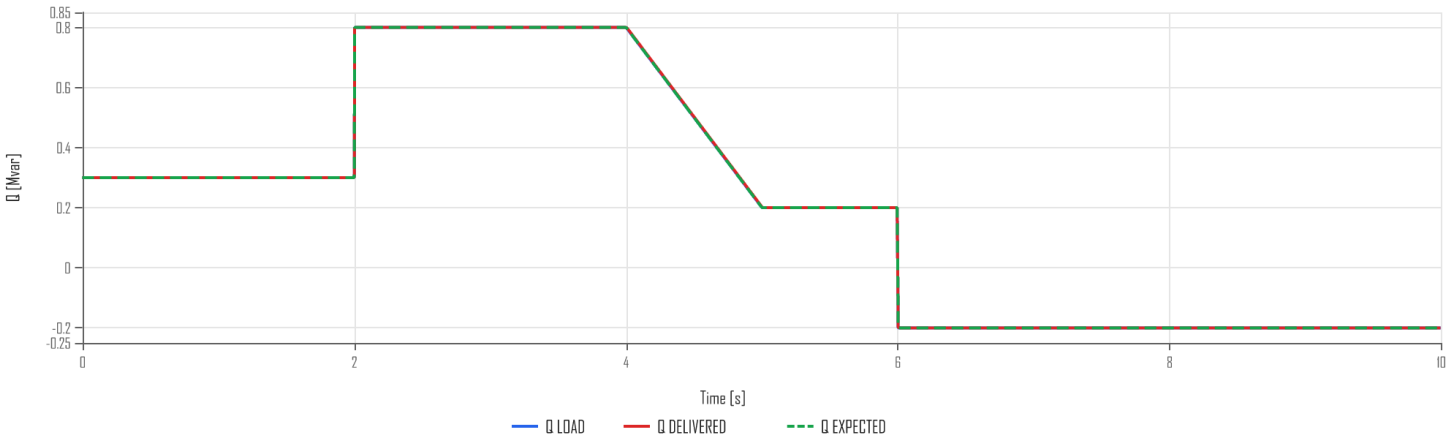


Scenario bypass: Tfp = 0.0039 s, Tfq = 0.0039 s

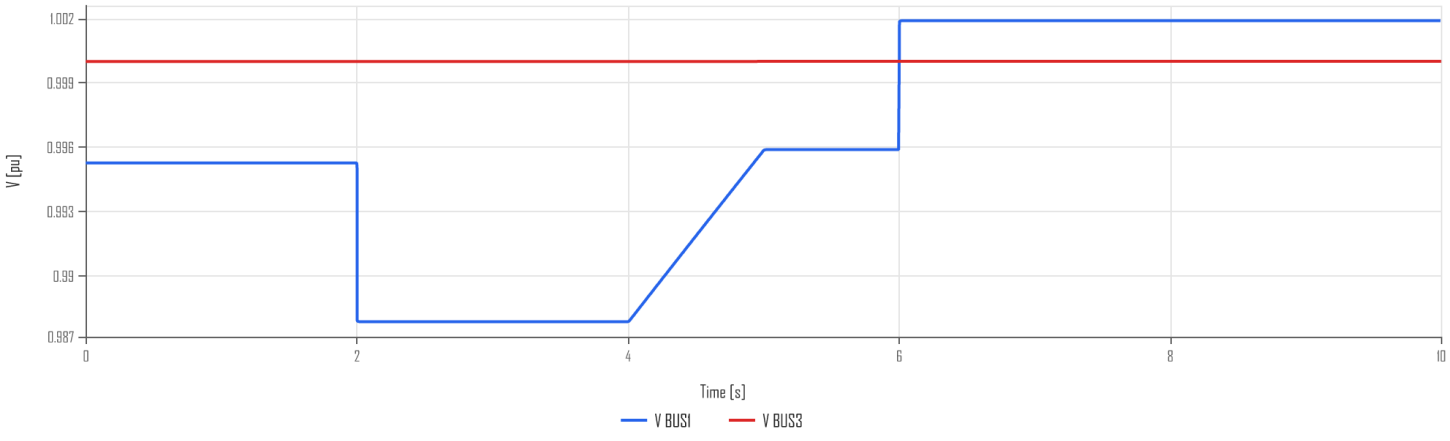
bypass: active demand



bypass: reactive demand

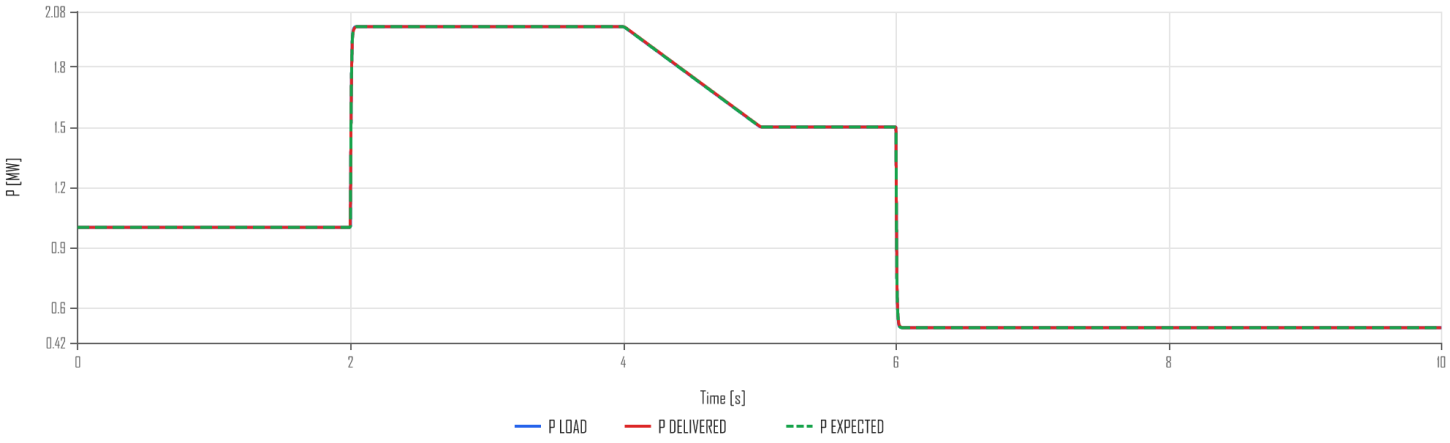


bypass: bus voltages

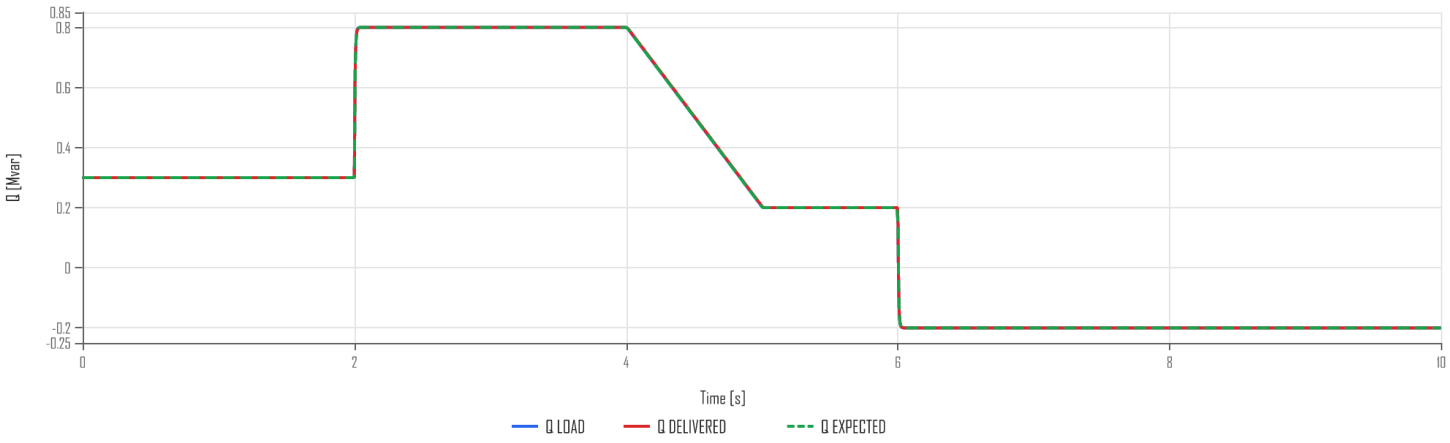


Scenario threshold: Tfp = 0.005 s, Tfq = 0.005 s

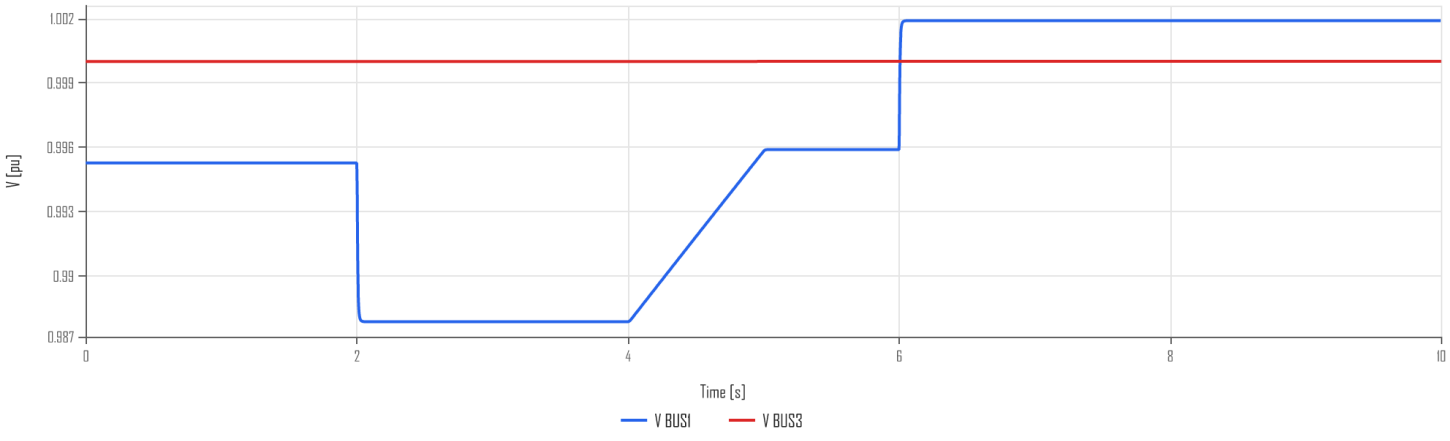
threshold: active demand



threshold: reactive demand

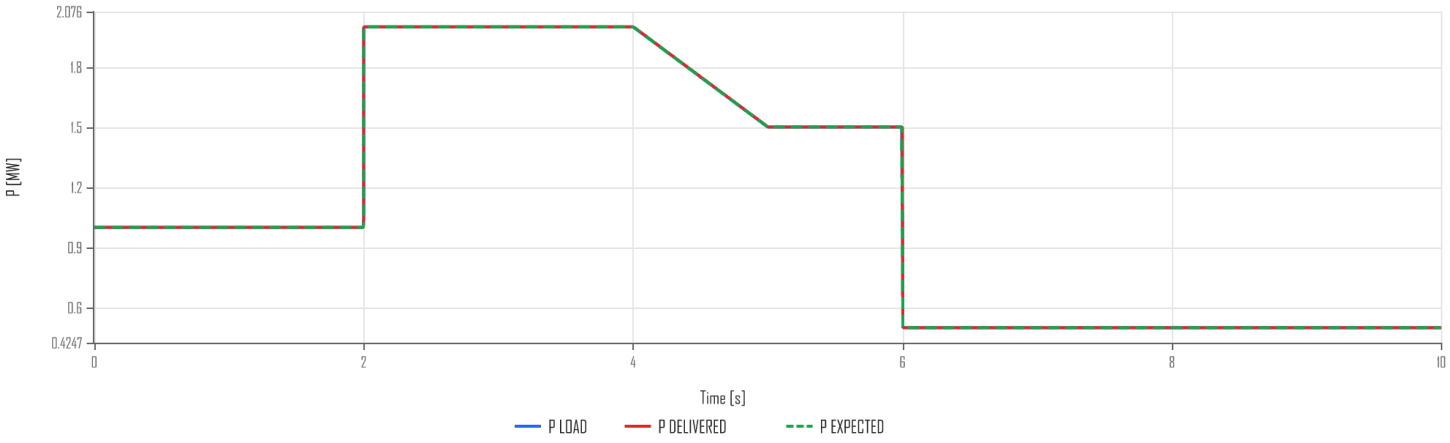


threshold: bus voltages

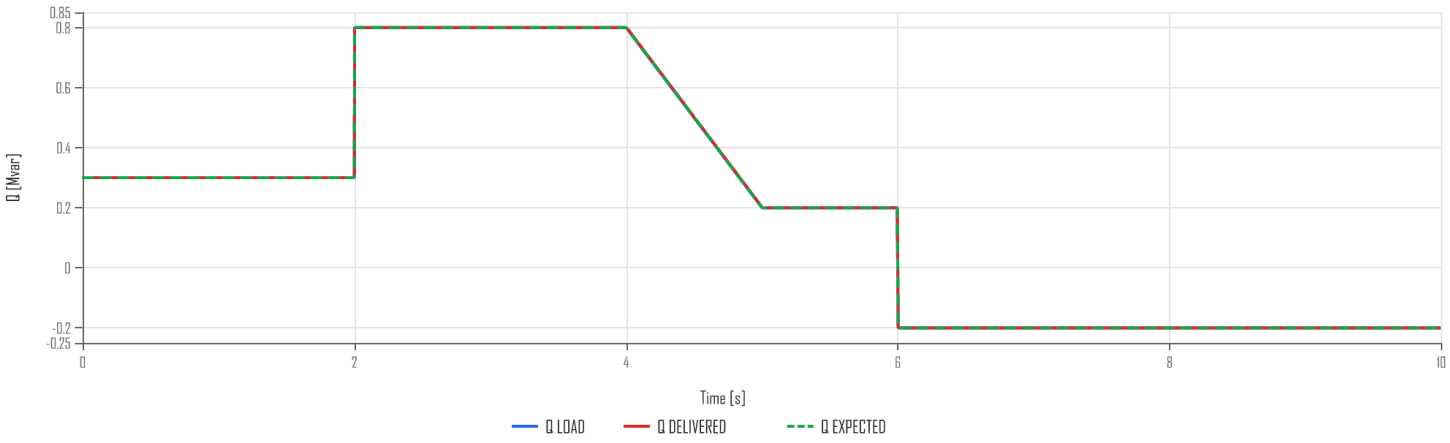


Scenario voltage_steps: Tfp = 0.0 s, Tfq = 0.0 s, slack voltage Vsteps.plb

voltage_steps: active demand



voltage_steps: reactive demand



voltage_steps: bus voltages

