Base Cumulative Emissions to date 2020 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 4000 -TFP.Factor: 1.01 2000 -0 -Group 4000 -TFP.Factor: 1 Control FixSavings --- FSaveInfCarb 2000 -InfCarbon 0 🚣 4000 -TFP.Factor: 0.99 2000 -3 4 TmpCoef.Value 2 3 5 6 1 5 6 2 3 5 6

Base Cumulative Emissions to date 2050 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 4000 -TFP.Factor: 1.01 2000 -0 Group 4000 -TFP.Factor: Control FixSavings --- FSaveInfCarb 2000 -InfCarbon 0 4000 -TFP.Factor: 0.99 2000 -0 -2 3 5 6 1 5 6 2 3 5 6 TmpCoef.Value

Base Cumulative Emissions to date 2100 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 4000 -TFP.Factor: 1.01 2000 -0 Group 4000 -TFP.Factor: 1 Control FixSavings --- FSaveInfCarb 2000 -InfCarbon 0 4000 -TFP.Factor: 0.99 2000 -0 -1 2 3 5 6 5 6 1 2 3 5 6 TmpCoef.Value

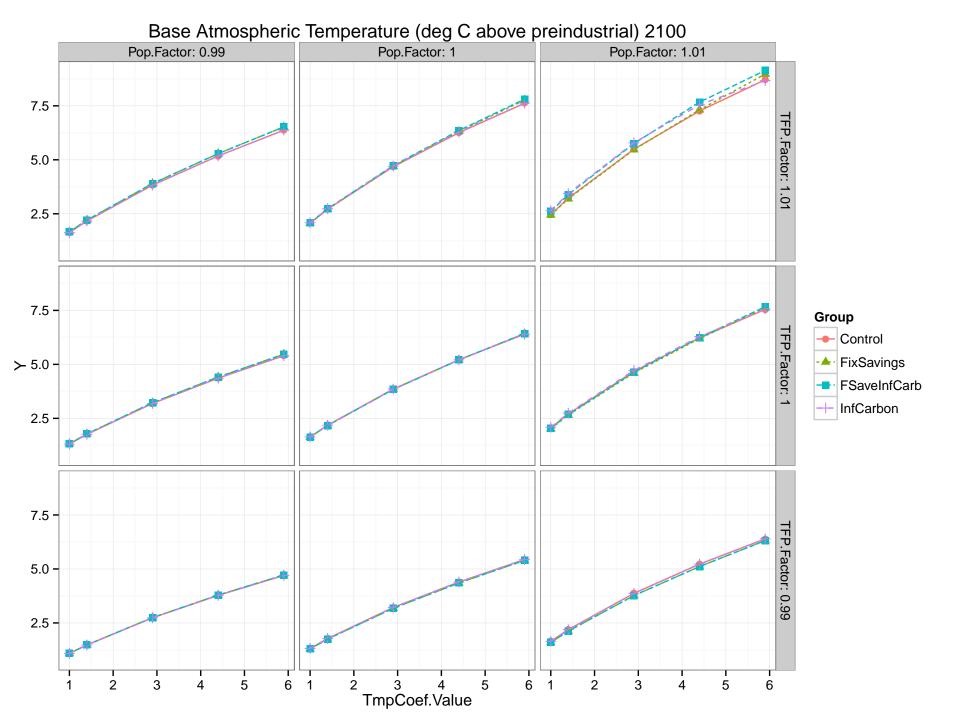
Base Abatement cost (trillion USD) 2020 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 10.0 -TFP.Factor: 1.01 7.5 -5.0 -2.5 -0.0 10.0 -Group 7.5 -TFP.Factor: 1 Control FixSavings **≻** 5.0 ---- FSaveInfCarb InfCarbon 2.5 -0.0 10.0 -TFP.Factor: 0.99 7.5 -5.0 -2.5 -0.0 2 3 5 6 5 2 3 5 6 TmpCoef.Value

Base Abatement cost (trillion USD) 2050 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 10.0 -TFP.Factor: 1.01 7.5 -5.0 -2.5 -0.0 10.0 -Group 7.5 -TFP.Factor: 1 Control FixSavings **≻** 5.0 ---- FSaveInfCarb InfCarbon 2.5 -0.0 10.0 -TFP.Factor: 0.99 7.5 -5.0 -2.5 -0.0 2 3 5 6 5 2 3 5 6 TmpCoef.Value

Base Abatement cost (trillion USD) 2100 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 10.0 -TFP.Factor: 1.01 7.5 -5.0 -2.5 -0.0 10.0 -Group 7.5 -TFP.Factor: 1 Control FixSavings **≻** 5.0 --- FSaveInfCarb InfCarbon 2.5 -0.0 10.0 -TFP.Factor: 0.99 7.5 -5.0 -2.5 -0.0 2 3 5 6 5 2 3 5 6 TmpCoef.Value

Base Atmospheric Temperature (deg C above preindustrial) 2020 Pop.Factor: 1.01 Pop.Factor: 0.99 Pop.Factor: 1 7.5 -TFP.Factor: 1.01 5.0 -2.5 -7.5 -Group TFP.Factor: 1 Control FixSavings **>** 5.0 − FSaveInfCarb InfCarbon 2.5 -7.5 -TFP.Factor: 0.99 5.0 -2.5 -3 4 TmpCoef.Value 2 3 5 6 5 6 2 3 5 6

Base Atmospheric Temperature (deg C above preindustrial) 2050 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 7.5 -TFP.Factor: 1.01 5.0 -2.5 -7.5 -Group TFP.Factor: Control FixSavings **>** 5.0 − FSaveInfCarb InfCarbon 2.5 -7.5 -TFP.Factor: 0.99 5.0 -2.5 -3 4 TmpCoef.Value 5 5 2 3 5 6 6 2 3 6



Base Carbon Price (per t CO2) 2020 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 60 TFP.Factor: 1.01 40 -20 -60 -Group TFP.Factor: 1 Control > <sup>40</sup> FixSavings --- FSaveInfCarb InfCarbon 20 0 -60 -TFP.Factor: 0.99 40 20 3 4 TmpCoef.Value 2 3 5 6 5 6 2 3 5 6

Base Carbon Price (per t CO2) 2050 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 60 TFP.Factor: 1.01 40 -20 -60 -Group TFP.Factor: 1 Control > 40 FixSavings --- FSaveInfCarb InfCarbon 20 0 -60 -TFP.Factor: 0.99 40 20 3 4 TmpCoef.Value 2 3 5 6 5 6 2 3 5 6

Base Carbon Price (per t CO2) 2100 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 60 TFP.Factor: 1.01 40 -20 -0 -60 -Group TFP.Factor: Control > 40 FixSavings --- FSaveInfCarb InfCarbon 20 0 -60 -TFP.Factor: 0.99 40 20 -0 -3 4 TmpCoef.Value 2 3 5 6 6 2 3 5 6

Base Climate damages (trillion USD) 2020 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 600 TFP.Factor: 1.01 400 200 600 Group TFP.Factor: 1 Control 400 -FixSavings  $\succ$ --- FSaveInfCarb 200 InfCarbon 0 -600 TFP.Factor: 0.99 400 200 0 3 4 TmpCoef.Value 2 3 5 6 6 2 3 5 6

Base Climate damages (trillion USD) 2050 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 600 TFP.Factor: 1.01 400 200 600 Group TFP.Factor: 1 Control 400 -FixSavings  $\succ$ --- FSaveInfCarb 200 InfCarbon 0 -600 TFP.Factor: 0.99 400 200 0 3 4 TmpCoef.Value 2 3 5 6 2 3 5 6

Base Climate damages (trillion USD) 2100 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 600 TFP.Factor: 1.01 400 200 600 Group TFP.Factor: 1 Control 400 -FixSavings --- FSaveInfCarb 200 InfCarbon 0 -600 TFP.Factor: 0.99 400 200 0 -3 4 TmpCoef.Value 2 3 5 6 2 3 5 6

Base Emissions Control Rate (total) 2020 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 0.5 -TFP.Factor: 1.01 0.4 -0.3 -0.2 -0.1 -0.5 -Group 0.4 -TFP.Factor: 1 Control FixSavings **>** 0.3 − -- FSaveInfCarb 0.2 -InfCarbon 0.1 -0.5 -TFP.Factor: 0.99 0.4 -0.3 -0.2 -0.1 -2 2 3 5 6 5 6 3 5 6 TmpCoef.Value

Base Emissions Control Rate (total) 2050 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 0.5 -TFP.Factor: 1.01 0.4 -0.3 -0.2 -0.1 -0.5 -Group 0.4 -TFP.Factor: 1 Control FixSavings **>** 0.3 --- FSaveInfCarb 0.2 -InfCarbon 0.1 -0.5 -TFP.Factor: 0.99 0.4 -0.3 -0.2 -0.1 -2 2 3 5 6 6 3 5 6 TmpCoef.Value

Base Emissions Control Rate (total) 2100 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 0.5 -TFP.Factor: 1.01 0.4 -0.3 -0.2 -0.1 -0.5 -Group 0.4 -TFP.Factor: Control FixSavings > 0.3 --- FSaveInfCarb 0.2 -InfCarbon 0.1 -0.5 -TFP.Factor: 0.99 0.4 -0.3 -0.2 -0.1 -2 6 1 6 2 3 4 5 3 5 6 TmpCoef.Value

Base Gross Output (trillion USD) 2020 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 3000 -TFP.Factor: 1.01 2000 -1000 -3000 -Group TFP.Factor: 1 Control 2000 -FixSavings  $\succ$ --- FSaveInfCarb 1000 -InfCarbon 3000 -TFP.Factor: 0.99 2000 -1000 -2 3 5 6 1 5 6 2 3 5 6 TmpCoef.Value

Base Gross Output (trillion USD) 2050 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 3000 -TFP.Factor: 1.01 2000 -1000 -0 3000 -Group TFP.Factor: 1 Control 2000 -FixSavings --- FSaveInfCarb 1000 -InfCarbon 0 -3000 -TFP.Factor: 0.99 2000 -1000 -0 3 4 TmpCoef.Value 6 2 3 5 1 5 6 2 3 5 6

Base Gross Output (trillion USD) 2100 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 3000 -TFP.Factor: 1.01 2000 -1000 -0 3000 -Group TFP.Factor: 1 Control 2000 -FixSavings FSaveInfCarb 1000 -InfCarbon 0 -3000 -TFP.Factor: 0.99 2000 -1000 -3 4 TmpCoef.Value 6 2 5 1 5 6 2 3 5 6

Base Output post-damages yet pre-abatement 2020 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 3000 -TFP.Factor: 1.01 2000 -1000 -3000 -Group TFP.Factor: 1 Control 2000 -FixSavings --- FSaveInfCarb 1000 -InfCarbon 3000 -TFP.Factor: 0.99 2000 -1000 -2 3 5 6 5 6 2 3 5 6 TmpCoef.Value

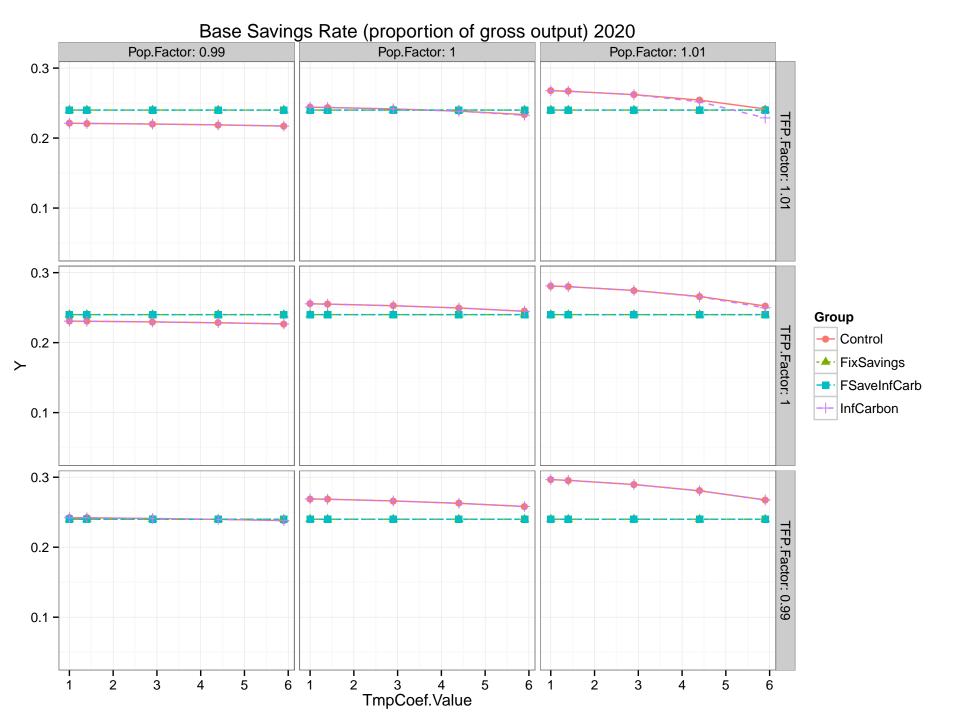
Base Output post-damages yet pre-abatement 2050 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 3000 -TFP.Factor: 1.01 2000 -1000 -0 3000 -Group TFP.Factor: 1 Control 2000 -FixSavings FSaveInfCarb 1000 -InfCarbon 0 -3000 -TFP.Factor: 0.99 2000 -1000 -3 4 TmpCoef.Value 2 3 5 6 5 6 2 3 5 6

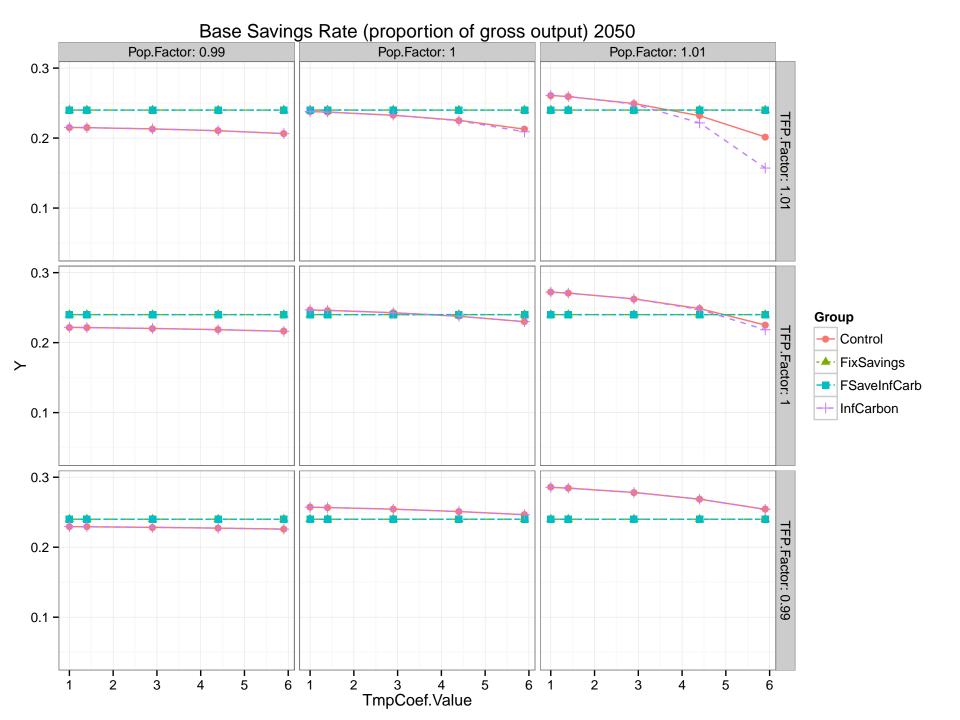
Base Output post-damages yet pre-abatement 2100 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 3000 -TFP.Factor: 1.01 2000 -1000 -0 3000 -Group TFP.Factor: 1 Control 2000 -FixSavings FSaveInfCarb 1000 -InfCarbon 0 3000 -TFP.Factor: 0.99 2000 -1000 -3 4 TmpCoef.Value 2 5 6 5 6 2 3 5 6

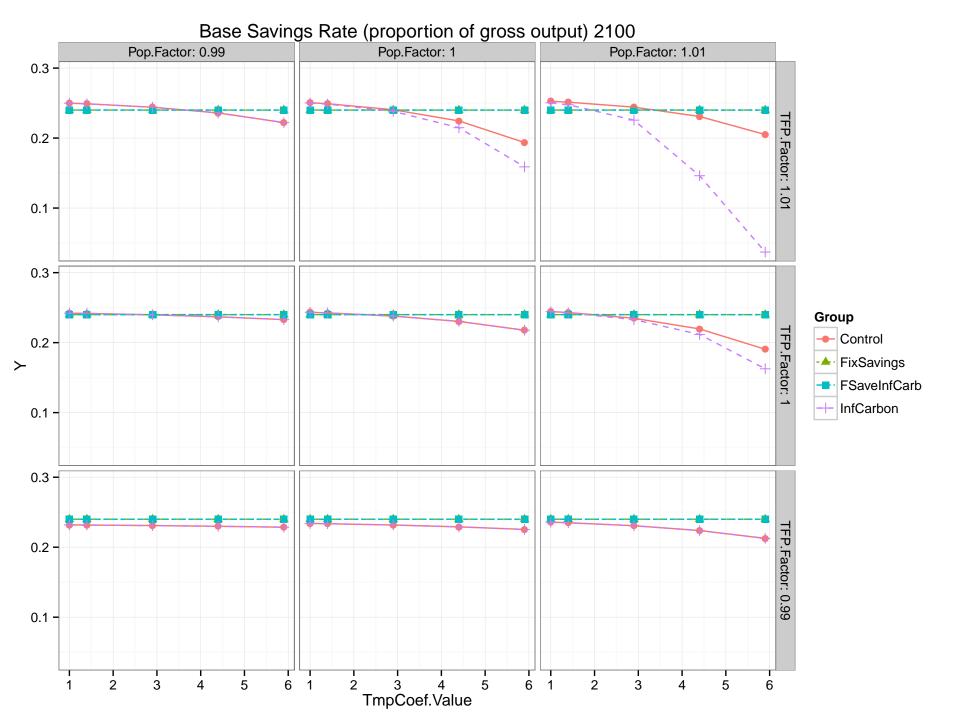
Base Population (millions) 2020 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 25000 -20000 TFP.Factor: 1.01 15000 -10000 -5000 -25000 -Group 20000 -TFP.Factor: Control **>** 15000 FixSavings FSaveInfCarb 10000 InfCarbon 5000 -25000 20000 -TFP.Factor: 0.99 15000 -10000 -5000 2 3 5 6 5 6 2 3 5 6 TmpCoef.Value

Base Population (millions) 2050 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 25000 -20000 TFP.Factor: 1.01 15000 -10000 -5000 -25000 -Group 20000 -TFP.Factor: 1 Control **>** 15000 FixSavings FSaveInfCarb 10000 InfCarbon 5000 -25000 20000 -TFP.Factor: 0.99 15000 -10000 -5000 2 3 5 6 5 6 2 3 5 6 TmpCoef.Value

Base Population (millions) 2100 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 25000 -20000 TFP.Factor: 1.01 15000 -10000 -5000 25000 20000 -Group TFP.Factor: Control > 15000FixSavings FSaveInfCarb 10000 InfCarbon 5000 25000 20000 -TFP.Factor: 0.99 15000 -10000 -5000 -2 3 5 5 6 2 3 5 6 TmpCoef.Value

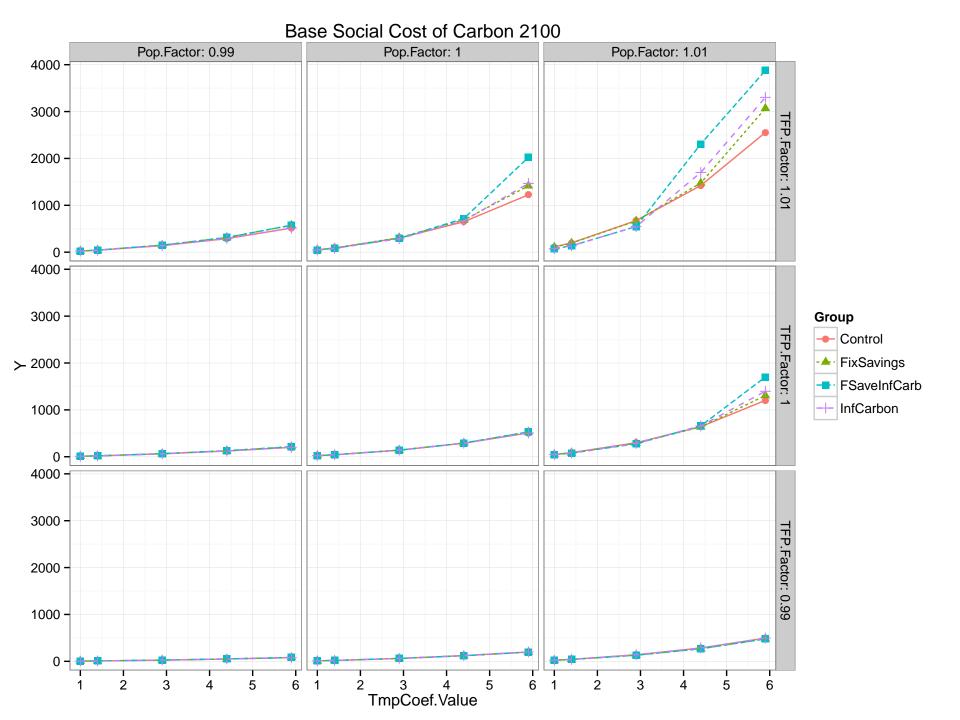






Base Social Cost of Carbon 2020 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 4000 3000 -TFP.Factor: 1.01 2000 -1000 -4000 3000 -Group TFP.Factor: 1 Control FixSavings > 2000 -FSaveInfCarb InfCarbon 1000 -0 -4000 -3000 -TFP.Factor: 0.99 2000 -1000 -0 -3 4 TmpCoef.Value 2 3 5 6 1 5 6 2 3 5 6

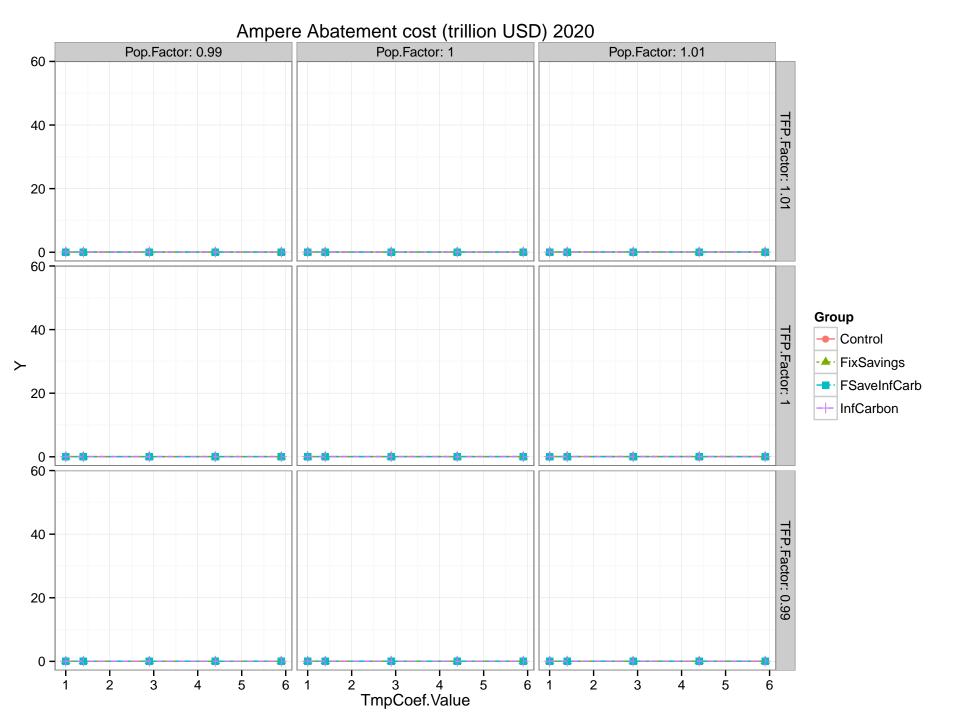
Base Social Cost of Carbon 2050 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 4000 3000 -TFP.Factor: 1.01 2000 -1000 -4000 3000 -Group TFP.Factor: 1 Control FixSavings > 2000 ---- FSaveInfCarb InfCarbon 1000 -0 -4000 -3000 -TFP.Factor: 0.99 2000 -1000 -0 -3 4 TmpCoef.Value 2 3 5 6 5 6 2 3 5 6

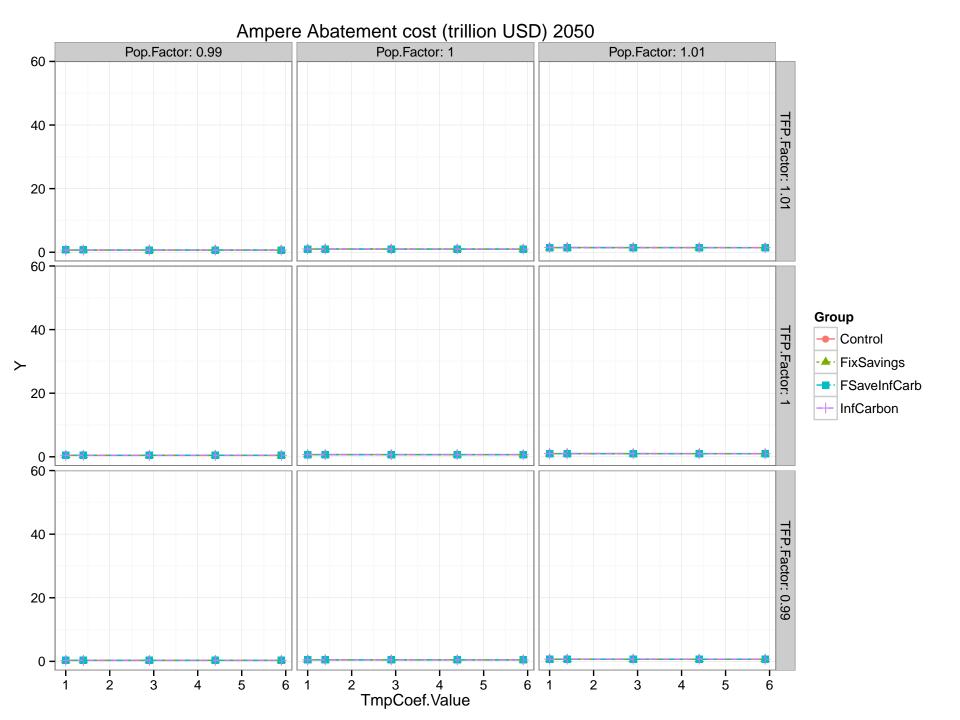


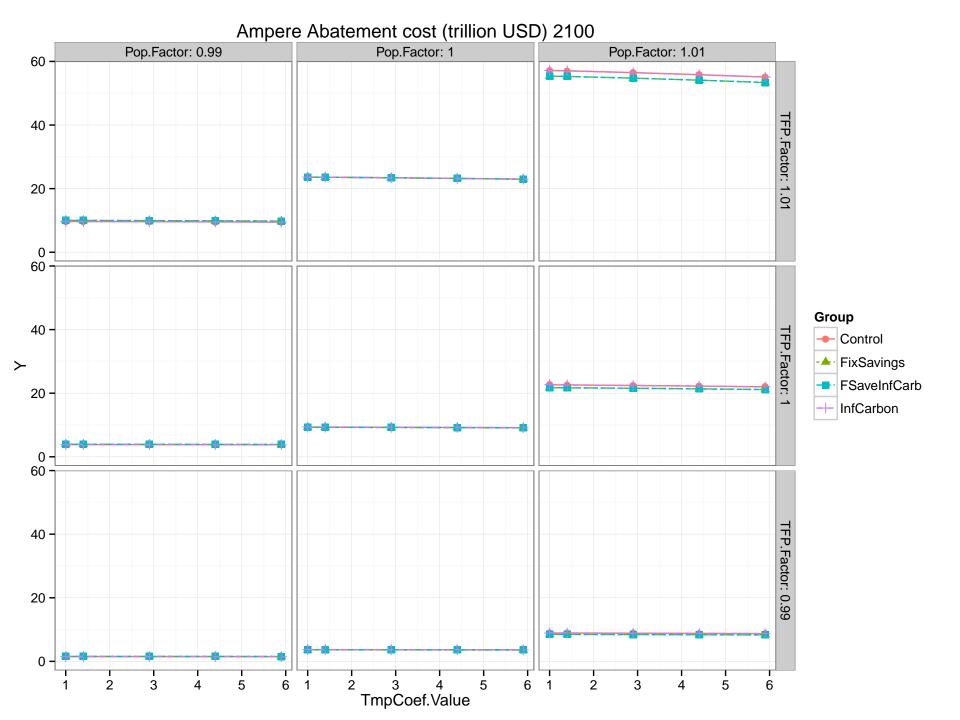
Ampere Cumulative Emissions to date 2020 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 1600 -1200 -TFP.Factor: 1.01 800 -400 -1600 Group 1200 -TFP.Factor: 1 Control FixSavings 800 -FSaveInfCarb InfCarbon 400 -1600 -1200 -TFP.Factor: 0.99 800 -400 -2 3 5 6 5 6 2 3 5 6 TmpCoef.Value

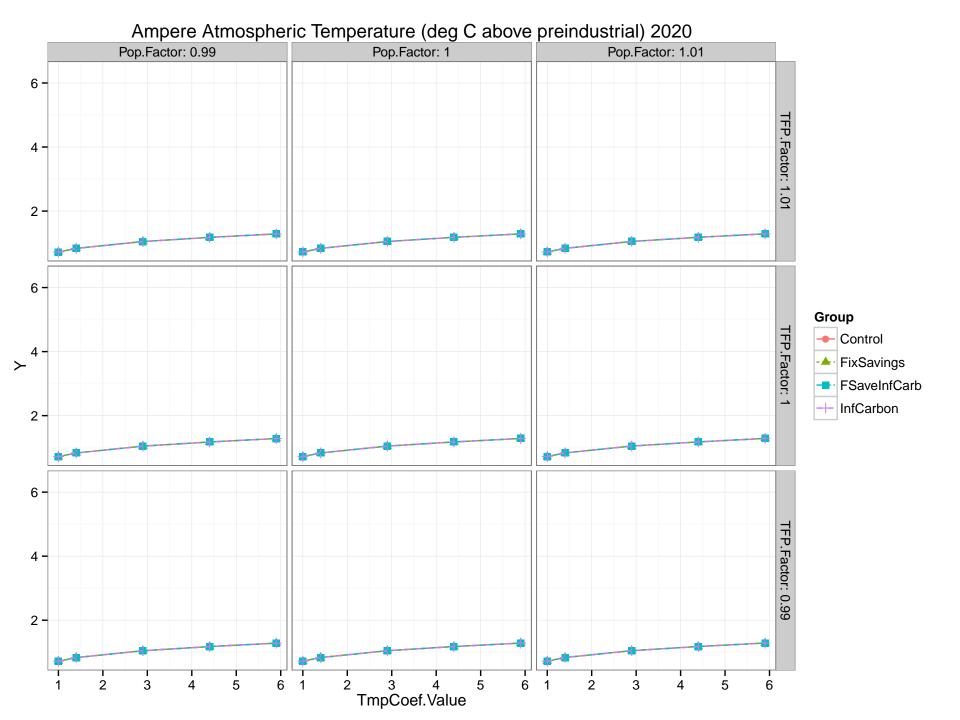
Ampere Cumulative Emissions to date 2050 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 1600 1200 -TFP.Factor: 1.01 800 -400 -1600 -Group 1200 -TFP.Factor: 1 Control FixSavings 800 -FSaveInfCarb InfCarbon 400 -1600 -1200 -TFP.Factor: 0.99 800 -400 -6 1 6 2 3 5 2 3 5 6 TmpCoef.Value

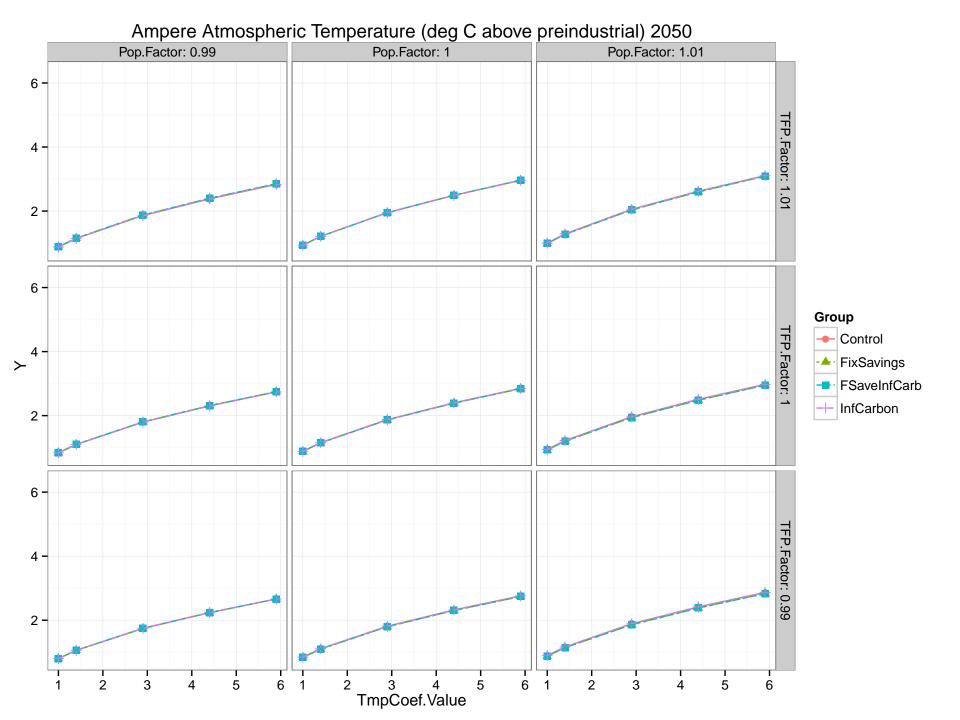
Ampere Cumulative Emissions to date 2100 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 1600 1200 -TFP.Factor: 1.01 800 -400 -1600 -Group 1200 -TFP.Factor: 1 Control FixSavings 800 -FSaveInfCarb InfCarbon 400 -1600 -1200 -TFP.Factor: 0.99 800 -400 -6 1 2 3 5 6 2 3 5 6 TmpCoef.Value

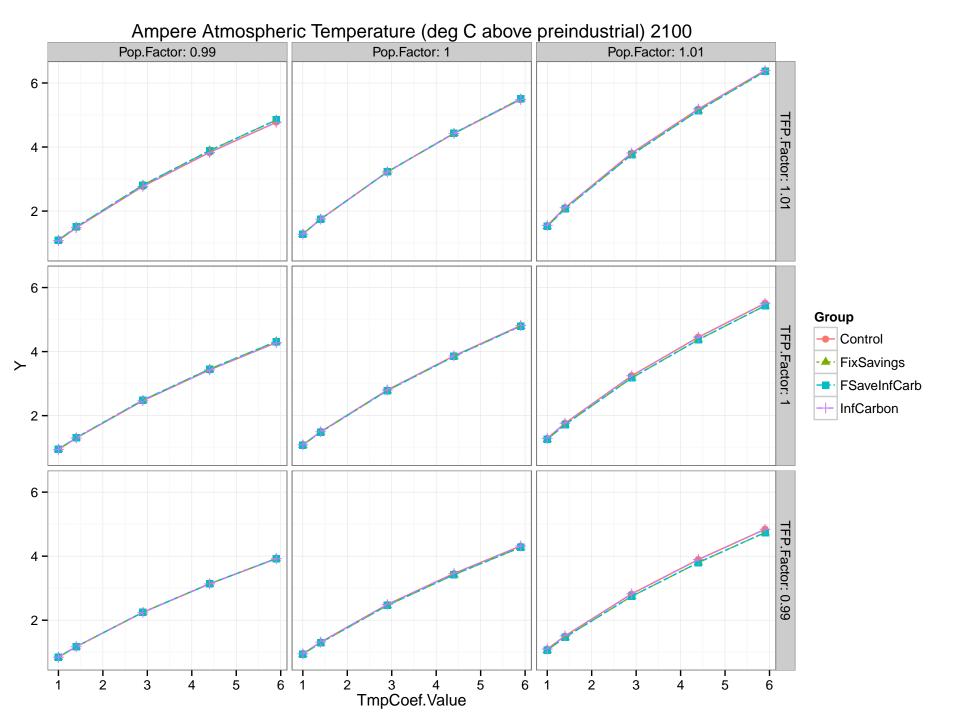












Ampere Carbon Price (per t CO2) 2020 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 200 TFP.Factor: 1.01 150 100 50 -200 Group TFP.Factor: 1 150 Control FixSavings  $\succ$ 100 --- FSaveInfCarb InfCarbon 50 200 TFP.Factor: 0.99 150 -100 50 -3 4 TmpCoef.Value 2 3 5 6 6 2 3 5 6

Ampere Carbon Price (per t CO2) 2050 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 200 TFP.Factor: 1.01 150 100 50 -200 -Group TFP.Factor: 150 Control FixSavings  $\succ$ 100 --- FSaveInfCarb InfCarbon 50 200 TFP.Factor: 0.99 150 -100 50 2 3 5 6 1 6 2 3 5 6 TmpCoef.Value

Ampere Carbon Price (per t CO2) 2100 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 200 TFP.Factor: 1.01 150 100 50 -200 -Group TFP.Factor: 150 Control FixSavings 100 --- FSaveInfCarb InfCarbon 50 200 TFP.Factor: 0.99 150 -100 50 -6 3 2 3 5 1 6 2 5 6 TmpCoef.Value

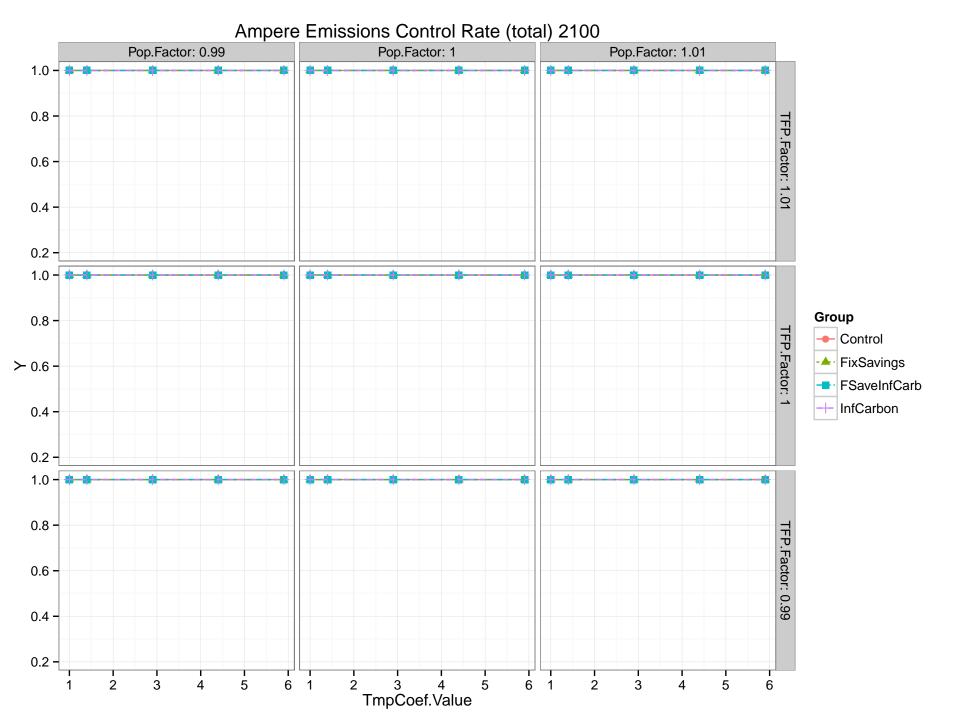
Ampere Climate damages (trillion USD) 2020 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 300 TFP.Factor: 1.01 200 100 300 Group TFP.Factor: 1 Control 200 FixSavings FSaveInfCarb 100 InfCarbon 300 -TFP.Factor: 0.99 200 100 0 2 3 5 6 3 2 3 5 6 TmpCoef.Value

Ampere Climate damages (trillion USD) 2050 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 300 TFP.Factor: 1.01 200 100 300 Group TFP.Factor: 1 Control 200 FixSavings --- FSaveInfCarb 100 InfCarbon 300 -TFP.Factor: 0.99 200 100 0 3 4 TmpCoef.Value 2 3 5 6 2 3 5 6

Ampere Climate damages (trillion USD) 2100 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 300 TFP.Factor: 1.01 200 100 0 -300 Group TFP.Factor: Control 200 FixSavings FSaveInfCarb 100 InfCarbon 300 -TFP.Factor: 0.99 200 100 -0 -3 4 TmpCoef.Value 2 3 5 6 2 3 5 6

Ampere Emissions Control Rate (total) 2020 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 1.0 -0.8 -TFP.Factor: 1.01 0.6 -0.4 -0.2 -1.0 -Group 0.8 -TFP.Factor: 1 Control FixSavings **>** 0.6 − FSaveInfCarb InfCarbon 0.4 -0.2 1.0 -0.8 -TFP.Factor: 0.99 0.6 -0.4 -0.2 2 2 3 5 6 5 6 3 5 6 TmpCoef.Value

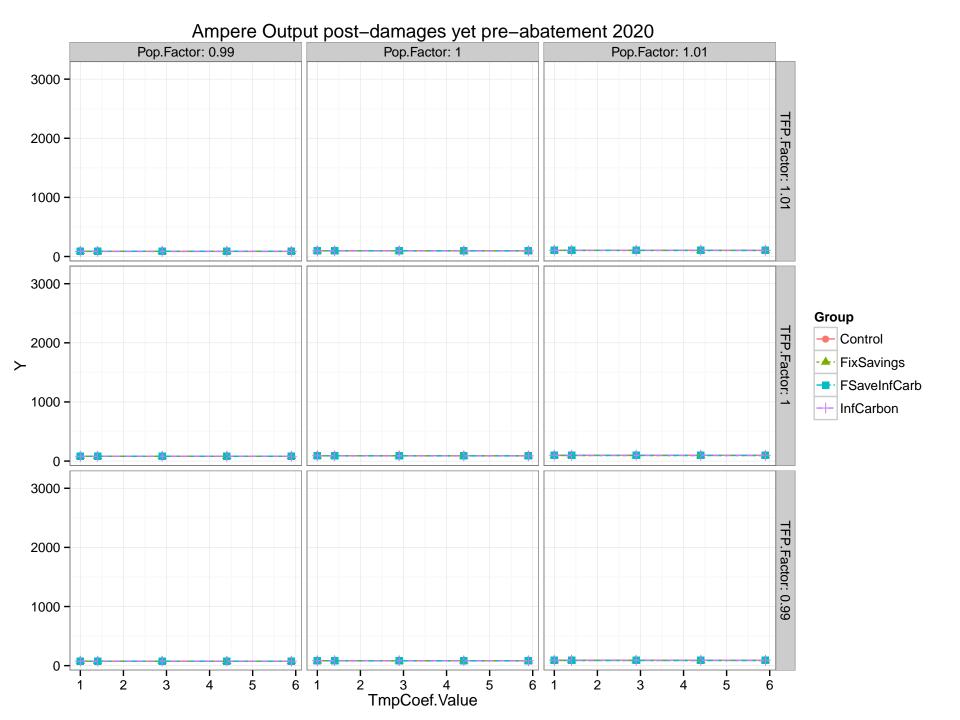
Ampere Emissions Control Rate (total) 2050 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 1.0 -0.8 -TFP.Factor: 1.01 0.6 -0.2 -1.0 -Group 0.8 -TFP.Factor: Control FixSavings **>** 0.6 − FSaveInfCarb InfCarbon 0.4 -0.2 -1.0 -0.8 -TFP.Factor: 0.99 0.6 -0.4 -0.2 -2 6 1 6 2 3 4 5 3 5 6 TmpCoef.Value

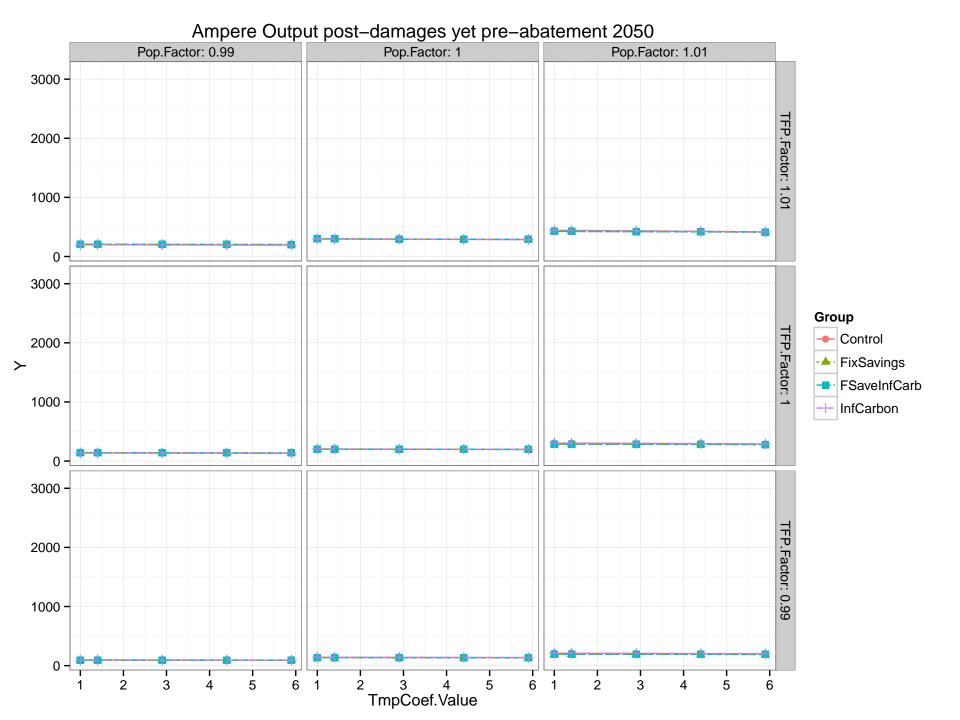


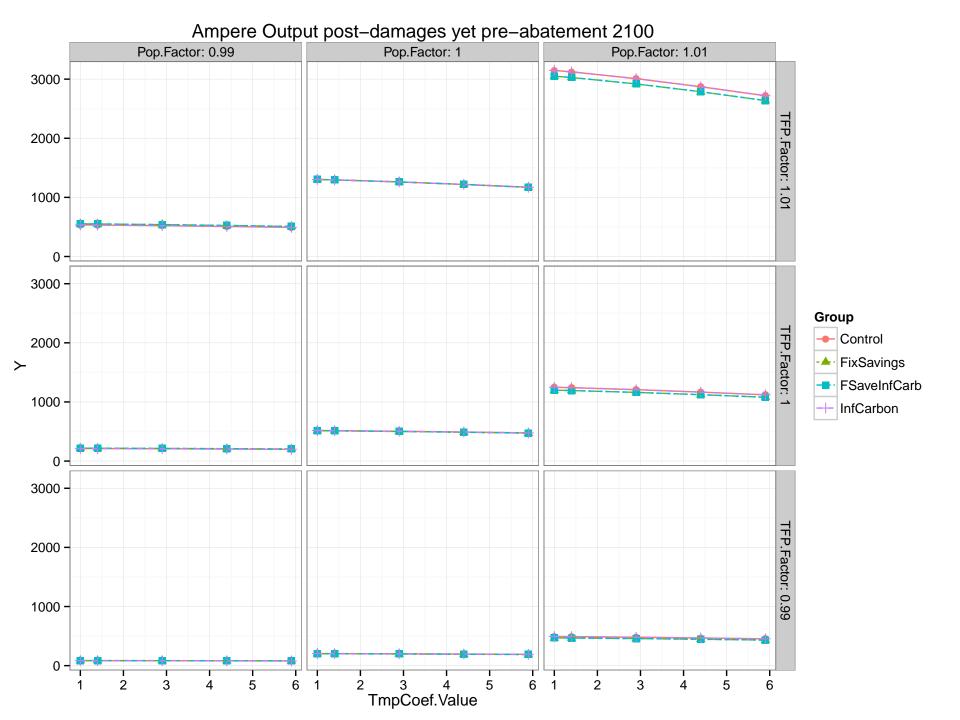
Ampere Gross Output (trillion USD) 2020 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 3000 -TFP.Factor: 1.01 2000 -1000 -3000 -Group TFP.Factor: 1 Control 2000 -FixSavings  $\succ$ --- FSaveInfCarb 1000 -InfCarbon 3000 -TFP.Factor: 0.99 2000 -1000 -2 3 5 6 1 5 6 2 3 5 6 TmpCoef.Value

Ampere Gross Output (trillion USD) 2050 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 3000 -TFP.Factor: 1.01 2000 -1000 -0 3000 -Group TFP.Factor: 1 Control 2000 -FixSavings --- FSaveInfCarb 1000 -InfCarbon 0 -3000 -TFP.Factor: 0.99 2000 -1000 -3 4 TmpCoef.Value 6 2 3 5 1 5 6 2 3 5 6

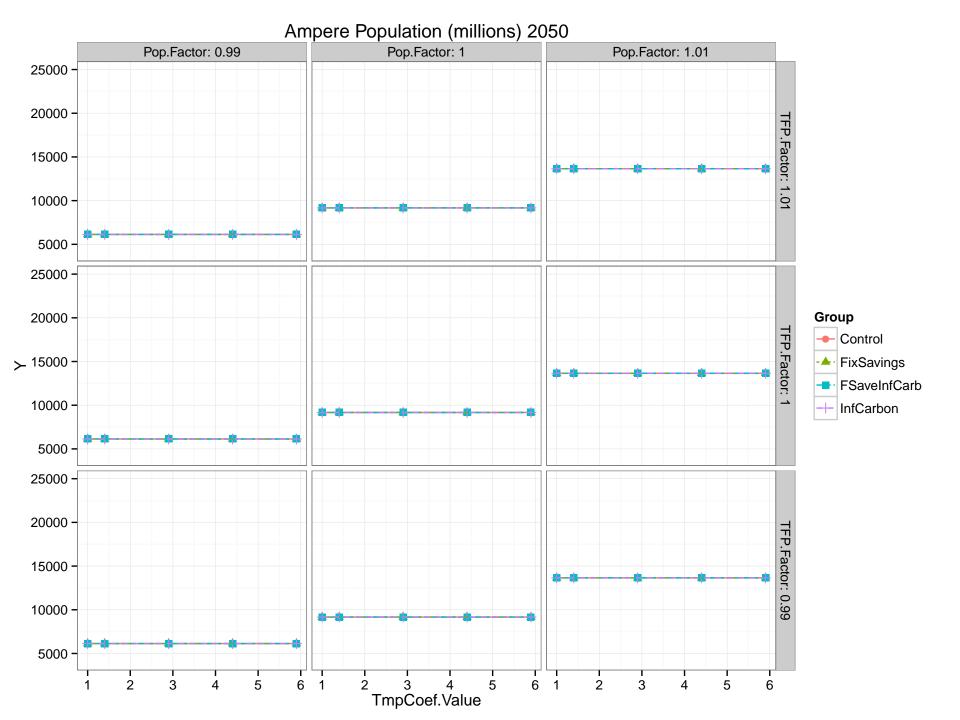
Ampere Gross Output (trillion USD) 2100 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 3000 -TFP.Factor: 1.01 2000 -1000 -0 3000 -Group TFP.Factor: 1 Control 2000 -FixSavings FSaveInfCarb 1000 -InfCarbon 0 -3000 -TFP.Factor: 0.99 2000 -1000 -3 4 TmpCoef.Value 6 2 3 5 1 5 6 2 3 5 6

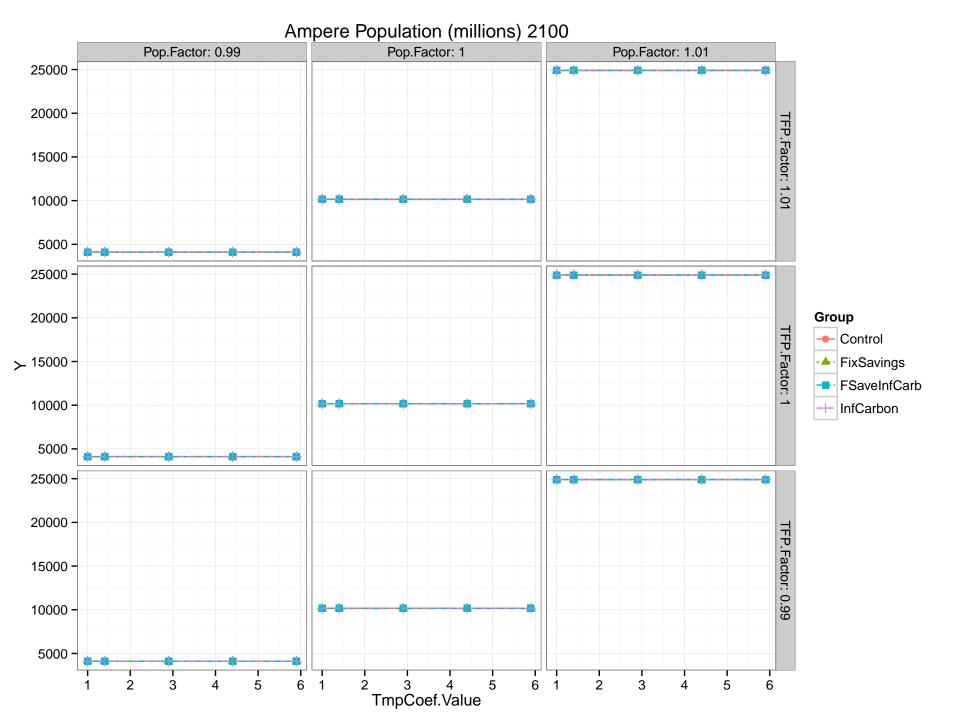






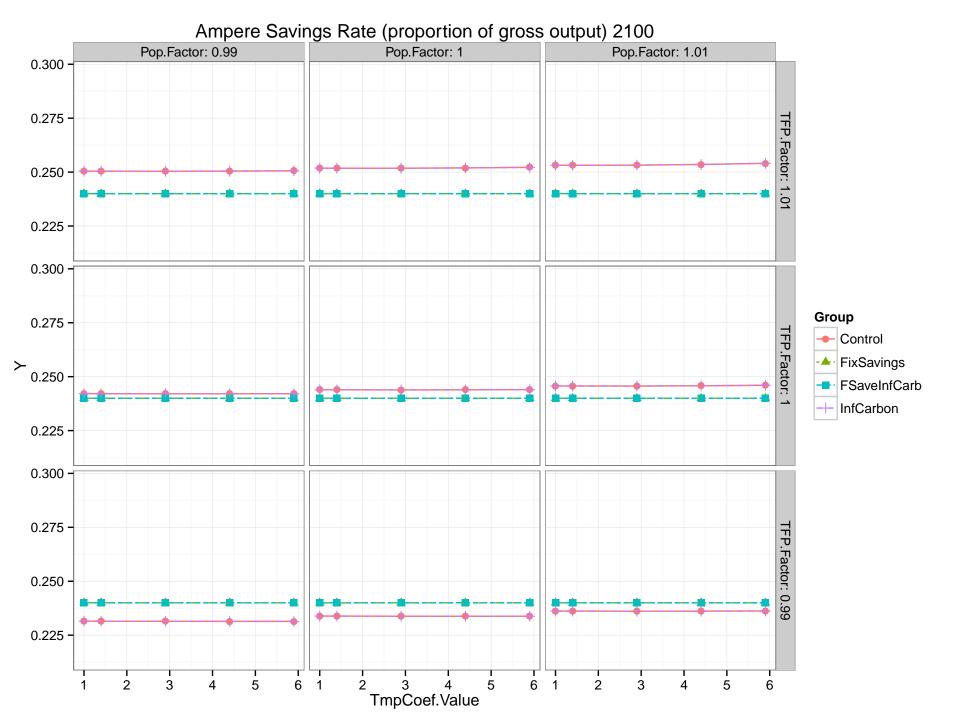
Ampere Population (millions) 2020 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 25000 -20000 TFP.Factor: 1.01 15000 -10000 5000 -25000 -Group 20000 -TFP.Factor: Control **>** 15000 FixSavings FSaveInfCarb 10000 InfCarbon 5000 -25000 20000 -TFP.Factor: 0.99 15000 -10000 -5000 2 3 5 6 5 6 2 3 5 6 TmpCoef.Value





Ampere Savings Rate (proportion of gross output) 2020 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 0.300 0.275 -TFP.Factor: 1.01 0.250 0.225 0.300 Group 0.275 -TFP.Factor: 1 Control FixSavings ≻ <sub>0.250</sub> FSaveInfCarb InfCarbon 0.225 0.300 -0.275 -TFP.Factor: 0.99 0.250 0.225 6 2 3 5 1 6 2 3 5 6 TmpCoef.Value

Ampere Savings Rate (proportion of gross output) 2050 Pop.Factor: 0.99 Pop.Factor: 1 Pop.Factor: 1.01 0.300 0.275 -TFP.Factor: 1.01 0.250 0.225 0.300 Group 0.275 TFP.Factor: 1 Control FixSavings ≻ <sub>0.250</sub> FSaveInfCarb InfCarbon 0.225 -0.300 0.275 -TFP.Factor: 0.99 0.250 0.225 2 3 5 6 1 6 2 3 5 6 TmpCoef.Value



Ampere Social Cost of Carbon 2020 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 2000 -TFP.Factor: 1.01 1000 -2000 -Group TFP.Factor: Control FixSavings --- FSaveInfCarb 1000 -InfCarbon 0 -2000 -TFP.Factor: 0.99 1000 -0 -3 4 TmpCoef.Value 2 3 5 6 5 6 2 3 5 6

Ampere Social Cost of Carbon 2050 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 2000 -TFP.Factor: 1.01 1000 -2000 -Group TFP.Factor: Control FixSavings --- FSaveInfCarb 1000 -InfCarbon 2000 -TFP.Factor: 0.99 1000 -0 -3 4 TmpCoef.Value 2 3 5 6 5 6 2 3 5 6

Ampere Social Cost of Carbon 2100 Pop.Factor: 1 Pop.Factor: 0.99 Pop.Factor: 1.01 2000 -TFP.Factor: 1.01 1000 -0 -2000 -Group TFP.Factor: 1 Control FixSavings FSaveInfCarb 1000 -InfCarbon 0 -2000 -TFP.Factor: 0.99 1000 -0 -3 4 TmpCoef.Value 5 2 3 5 6 6 2 3 5 6