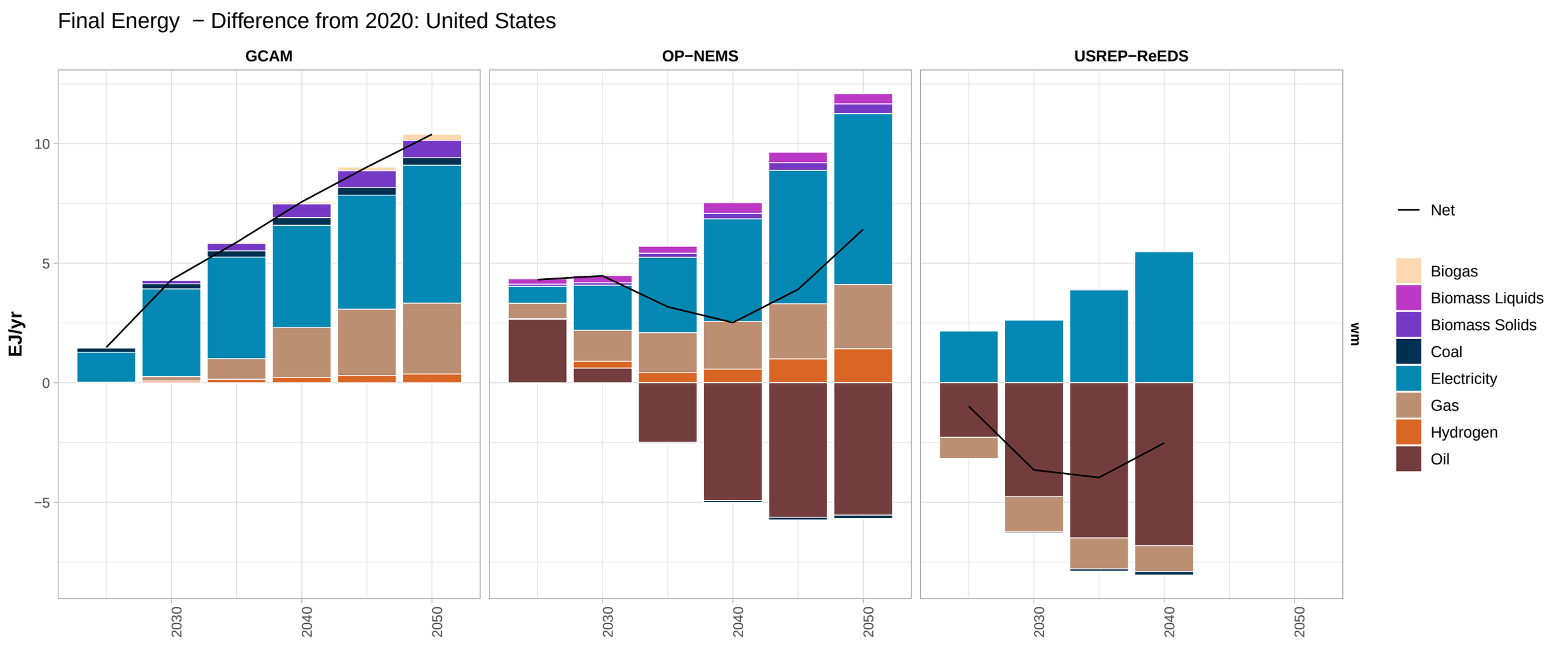
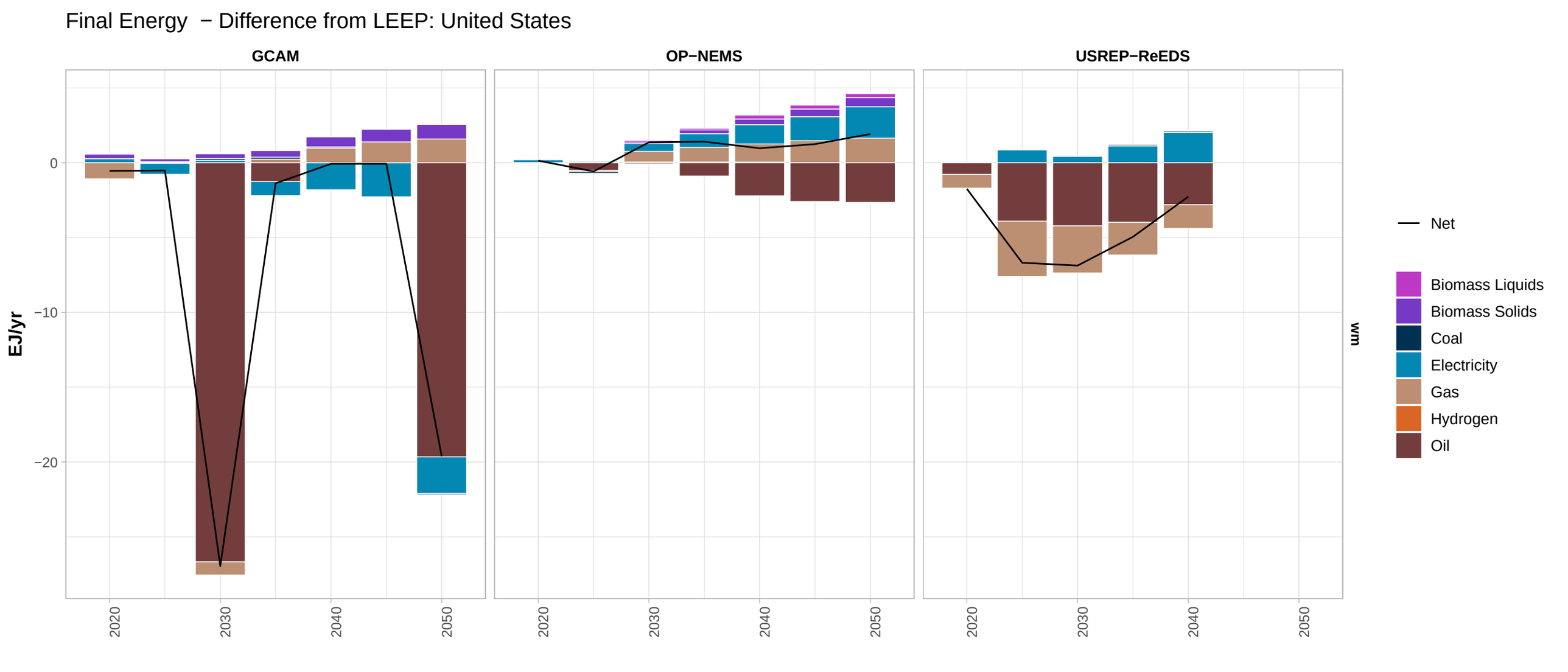
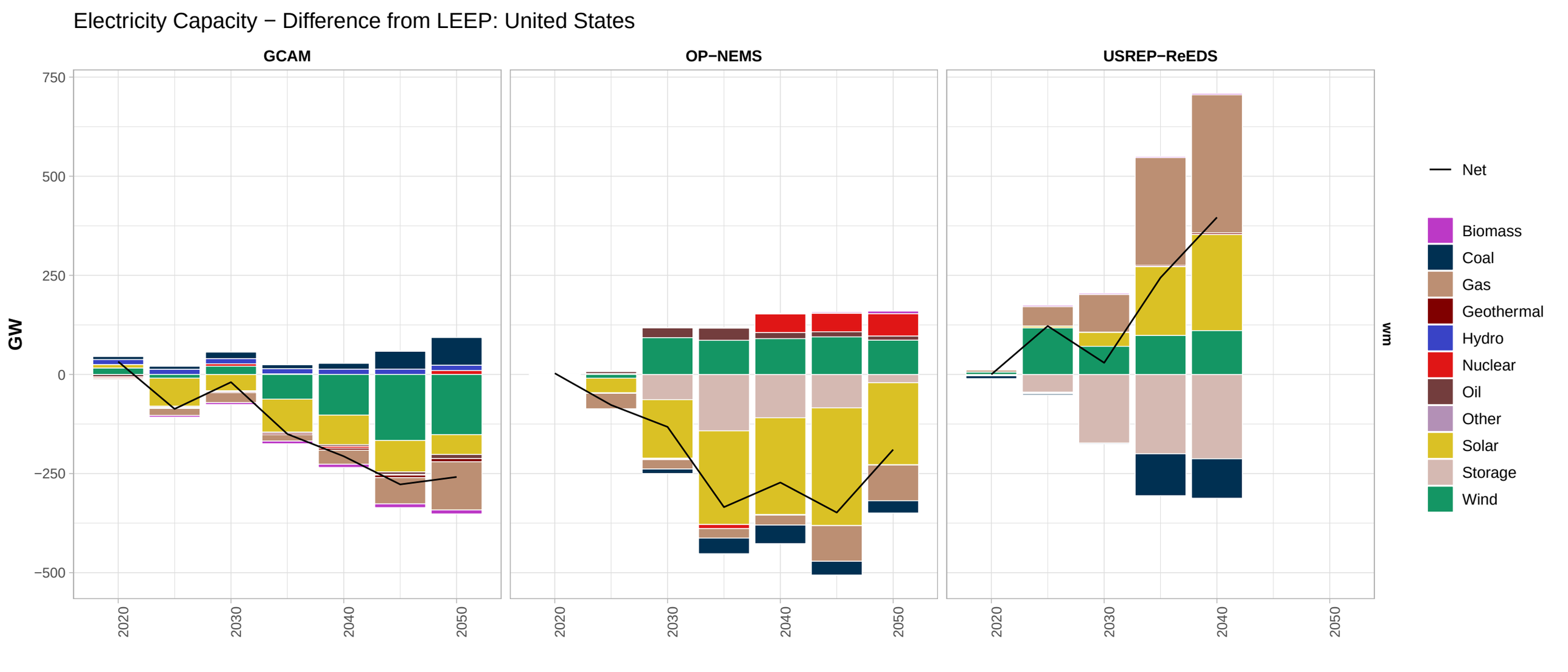
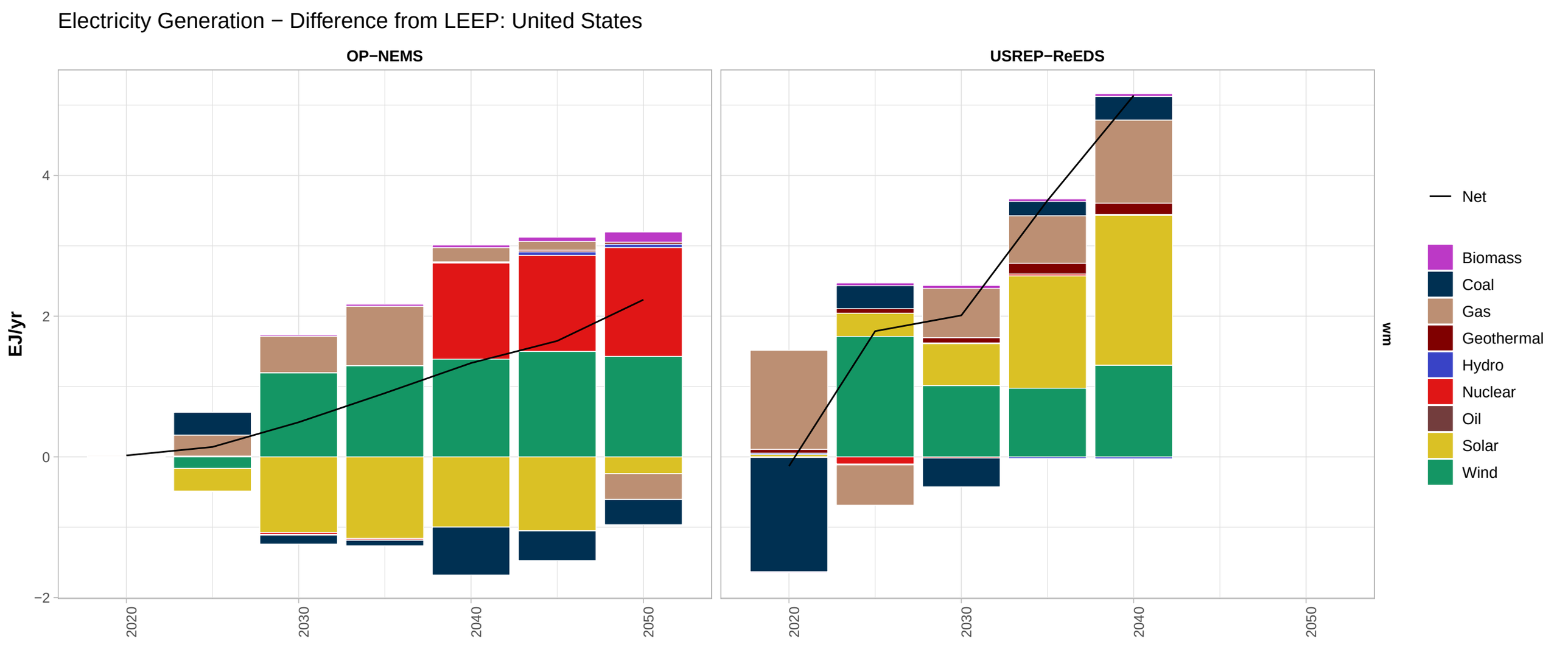
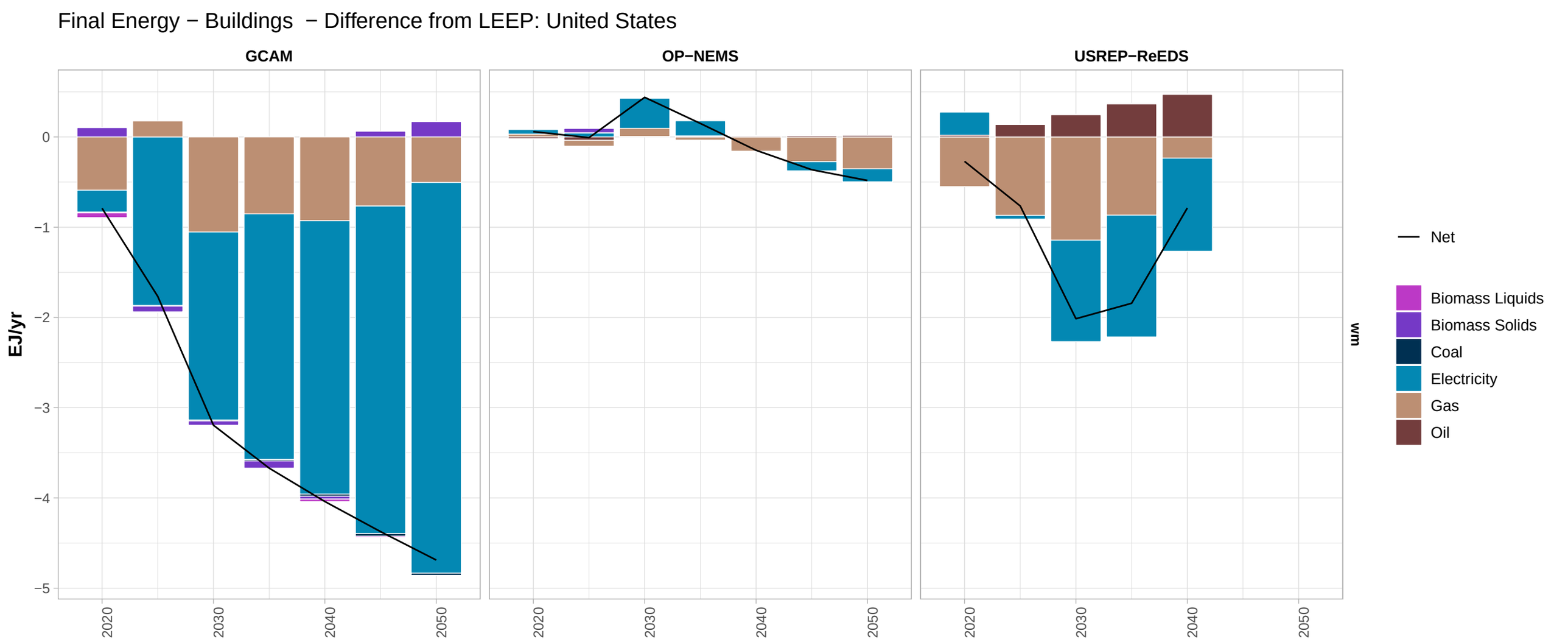
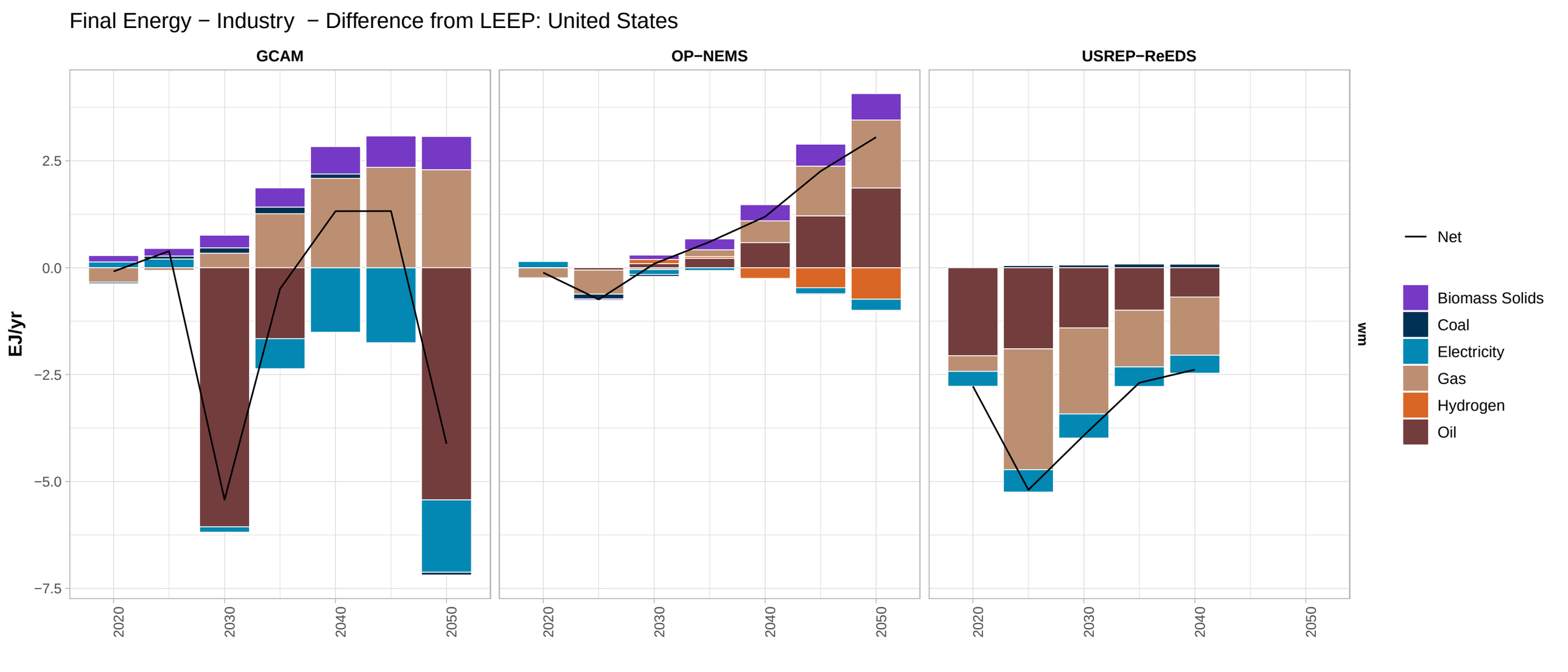

Final Energy − Difference from 2020: United States
GCAM
OP−NEMS
USREP−ReEDS
EJ/yr
10
5
0
−5
2030
2040
2050
Net
Biogas
Biomass Liquids
Biomass Solids
Coal
Electricity
Gas
Hydrogen
Oil

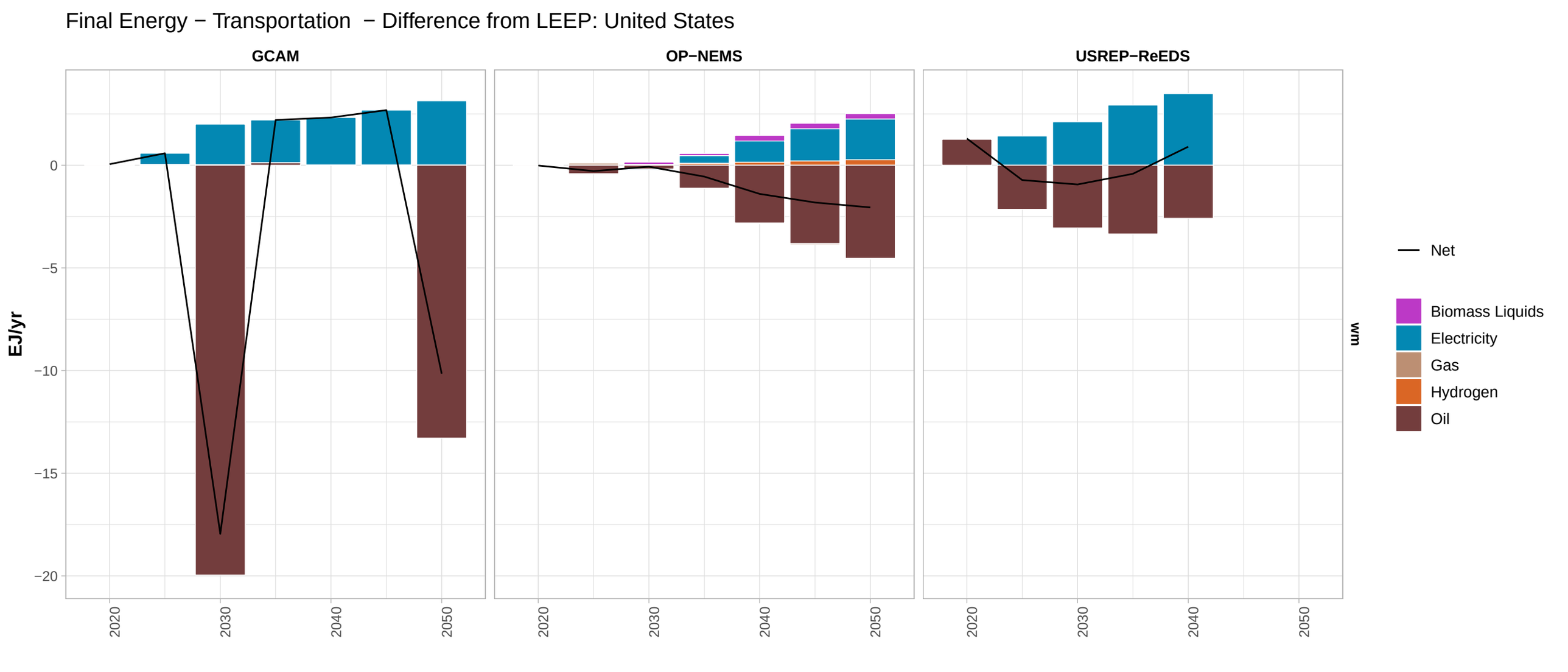

Final Energy − Difference from LEEP: United States
GCAM
OP−NEMS
USREP−ReEDS
EJ/yr
0
−10
−20
2020
2030
2040
2050
wm
Net
Biomass Liquids
Biomass Solids
Coal
Electricity
Gas
Hydrogen
Oil

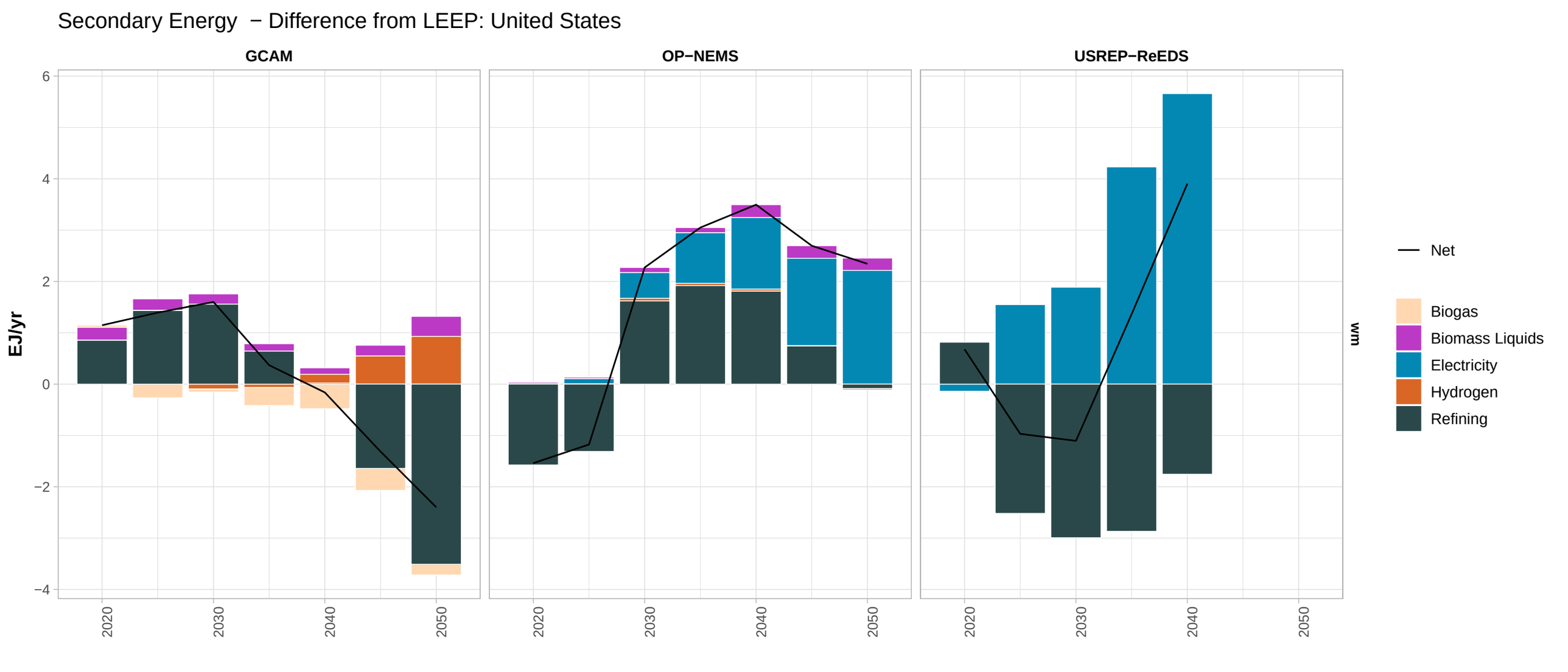

Electricity Capacity − Difference from LEEP: United States
GCAM
OP−NEMS
USREP−ReEDS
GW
750
500
250
0
−250
−500
2020
2030
2040
2050
Net
Biomass
Coal
Gas
Geothermal
Hydro
Nuclear
Oil
Other
Solar
Storage
Wind

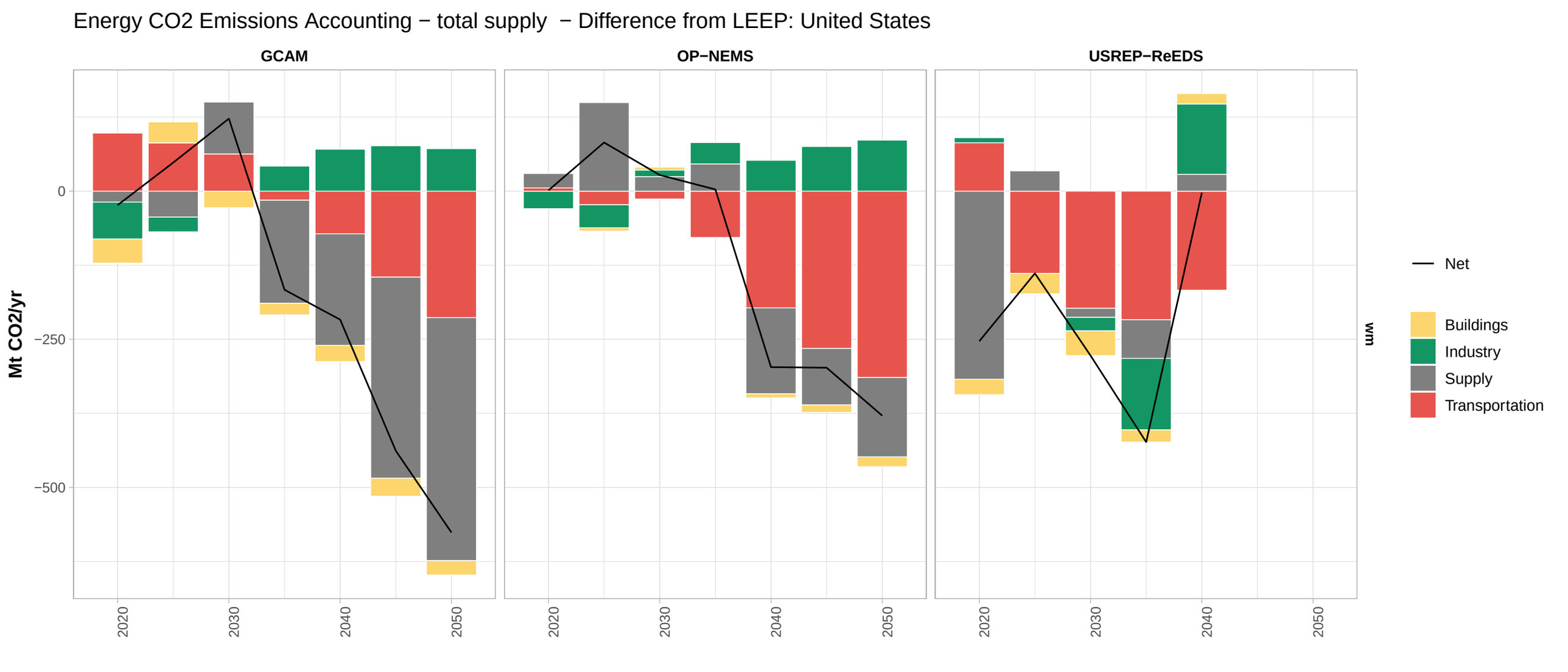

Electricity Generation − Difference from LEEP: United States
OP−NEMS
USREP−ReEDS
EJ/yr
wm
4
2
0
−2
2020
2030
2040
2050
Net
Biomass
Coal
Gas
Geothermal
Hydro
Nuclear
Oil
Solar
Wind

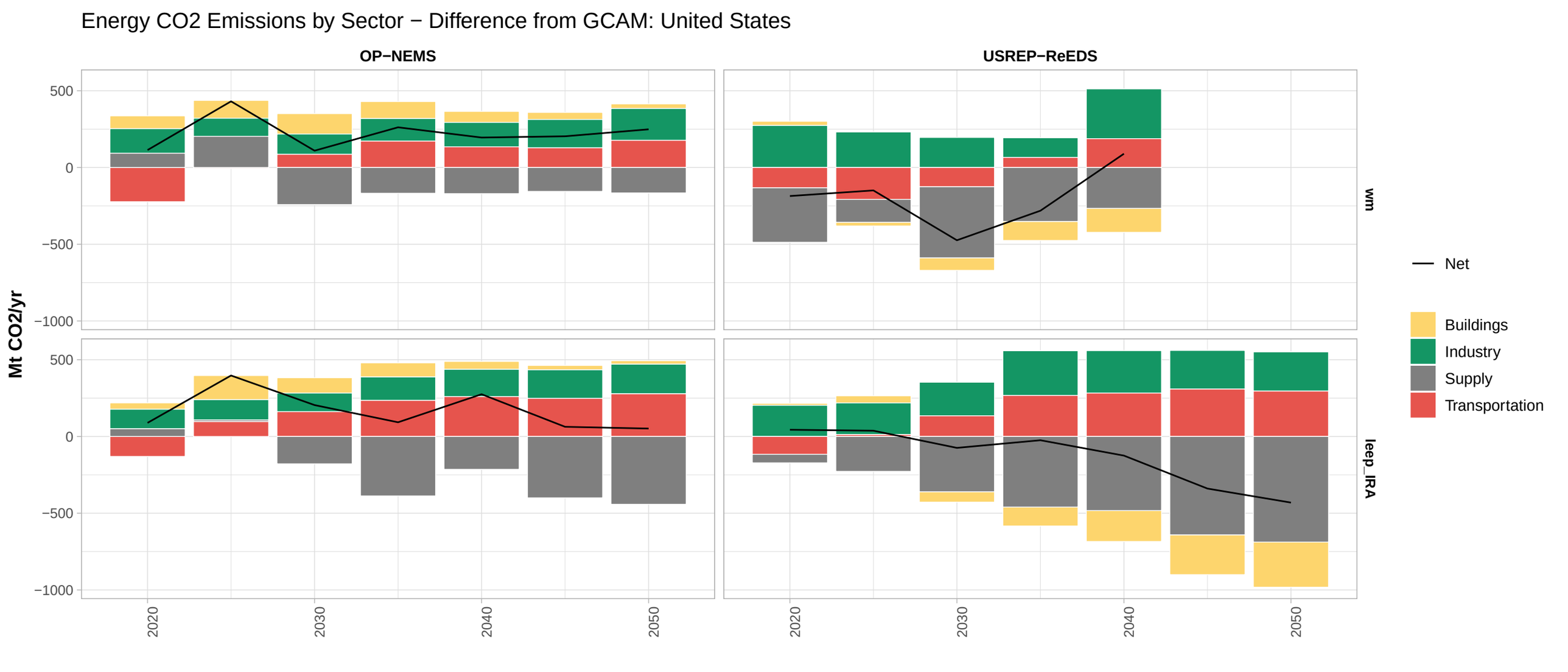

Final Energy − Buildings − Difference from LEEP: United States
GCAM
OP−NEMS
USREP−ReEDS
EJ/yr
0
−1
−2
−3
−4
−5
2020
2030
2040
2050
Net
Biomass Liquids
Biomass Solids
Coal
Electricity
Gas
Oil

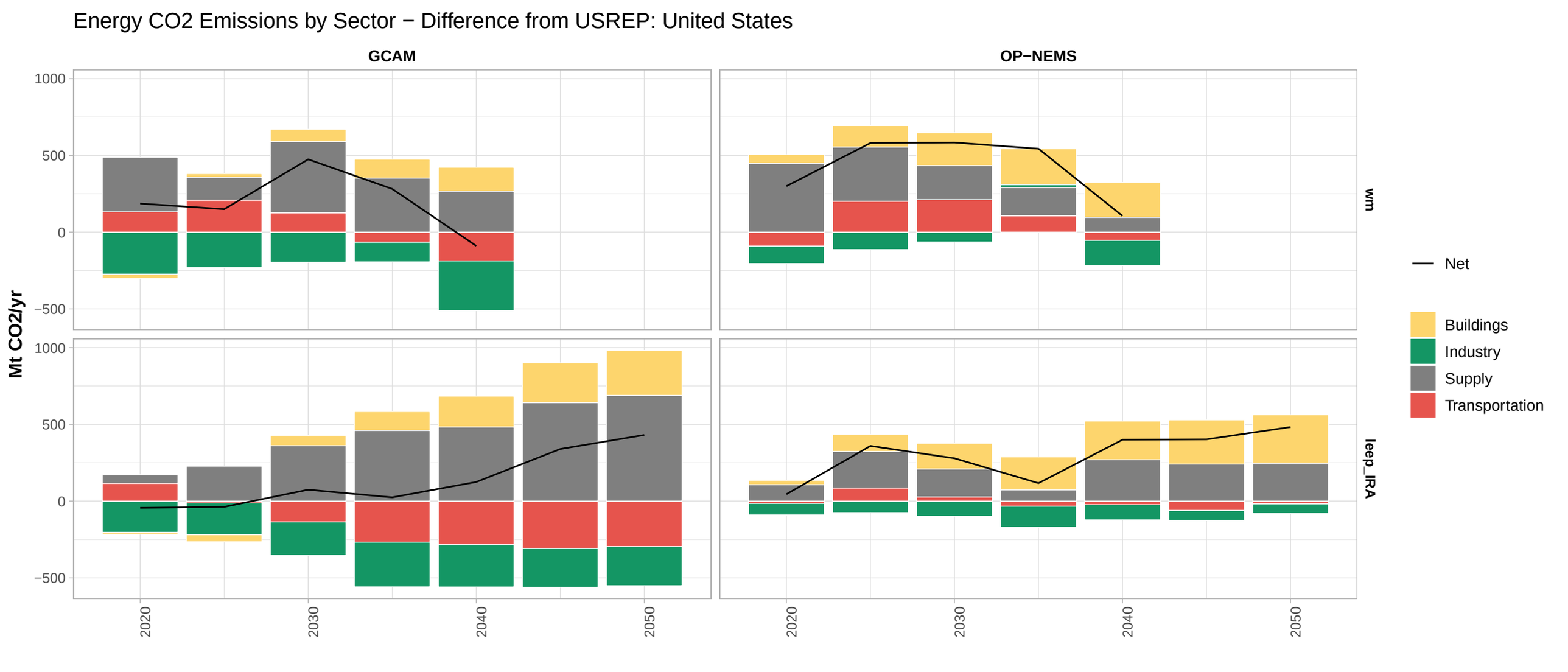

Final Energy − Industry − Difference from LEEP: United States
GCAM
OP−NEMS
USREP−ReEDS
EJ/yr
2.5
0.0
−2.5
−5.0
−7.5
2020
2030
2040
2050
Net
Biomass Solids
Coal
Electricity
Gas
Hydrogen
Oil

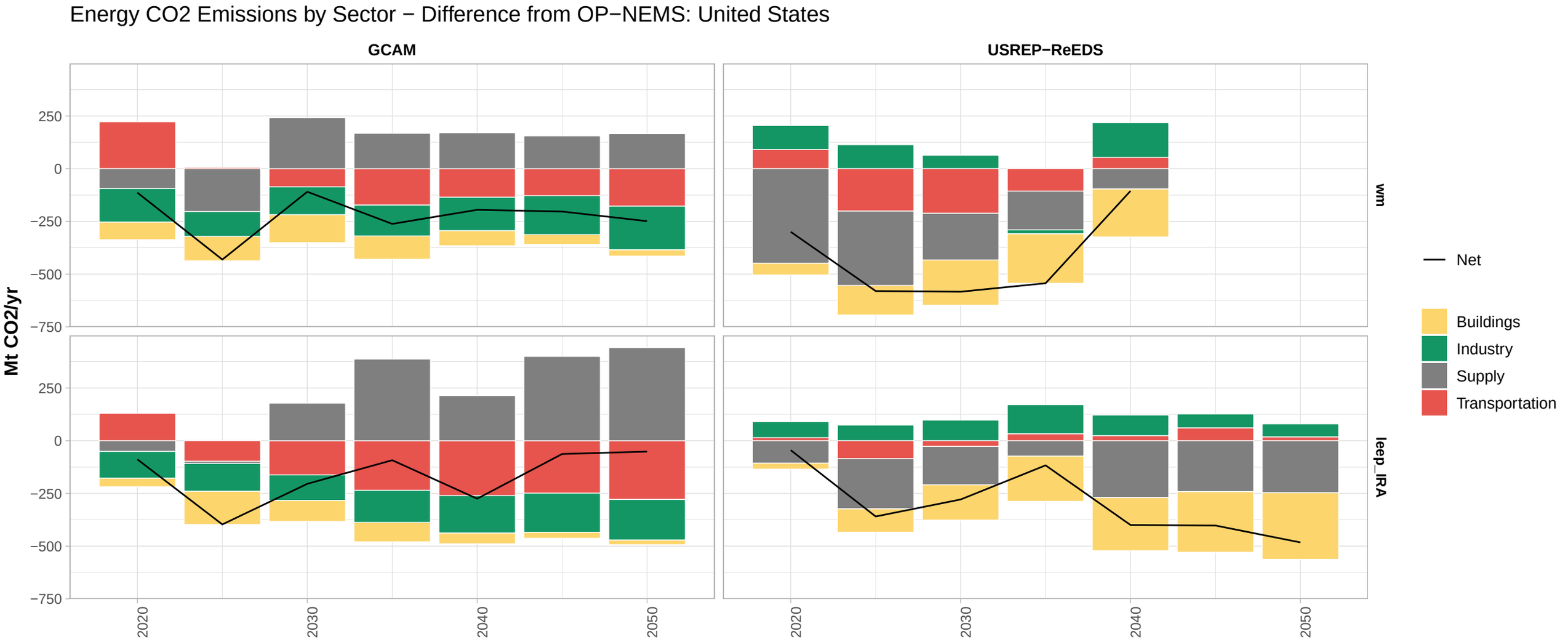

Final Energy − Transportation − Difference from LEEP: United States
GCAM
OP−NEMS
USREP−ReEDS
EJ/yr
0
−5
−10
−15
−20
2020
2030
2040
2050
Net
Biomass Liquids
Electricity
Gas
Hydrogen
Oil


Secondary Energy − Difference from LEEP: United States
GCAM
OP−NEMS
USREP−ReEDS
EJ/yr
6
4
2
0
−2
−4
2020
2030
2040
2050
Net
Biogas
Biomass Liquids
Electricity
Hydrogen
Refining


Energy CO2 Emissions Accounting − total supply − Difference from LEEP: United States
GCAM
OP−NEMS
USREP−ReEDS
Mt CO2/yr
0
−250
−500
2020
2030
2040
2050
Net
Buildings
Industry
Supply
Transportation
wm


Energy CO2 Emissions by Sector − Difference from GCAM: United States
OP−NEMS
USREP−ReEDS
wm
leep_IRA
Mt CO2/yr
500
0
−500
−1000
2020
2030
2040
2050
Net
Buildings
Industry
Supply
Transportation


Energy CO2 Emissions by Sector − Difference from USREP: United States
GCAM
OP−NEMS
wm
leep_IRA
Mt CO2/yr
1000
500
0
−500
2020
2030
2040
2050
Net
Buildings
Industry
Supply
Transportation


Energy CO2 Emissions by Sector − Difference from OP−NEMS: United States
GCAM
USREP−ReEDS
Mt CO2/yr
250
0
−250
−500
−750
2020
2030
2040
2050
wm
leep_IRA
Net
Buildings
Industry
Supply
Transportation