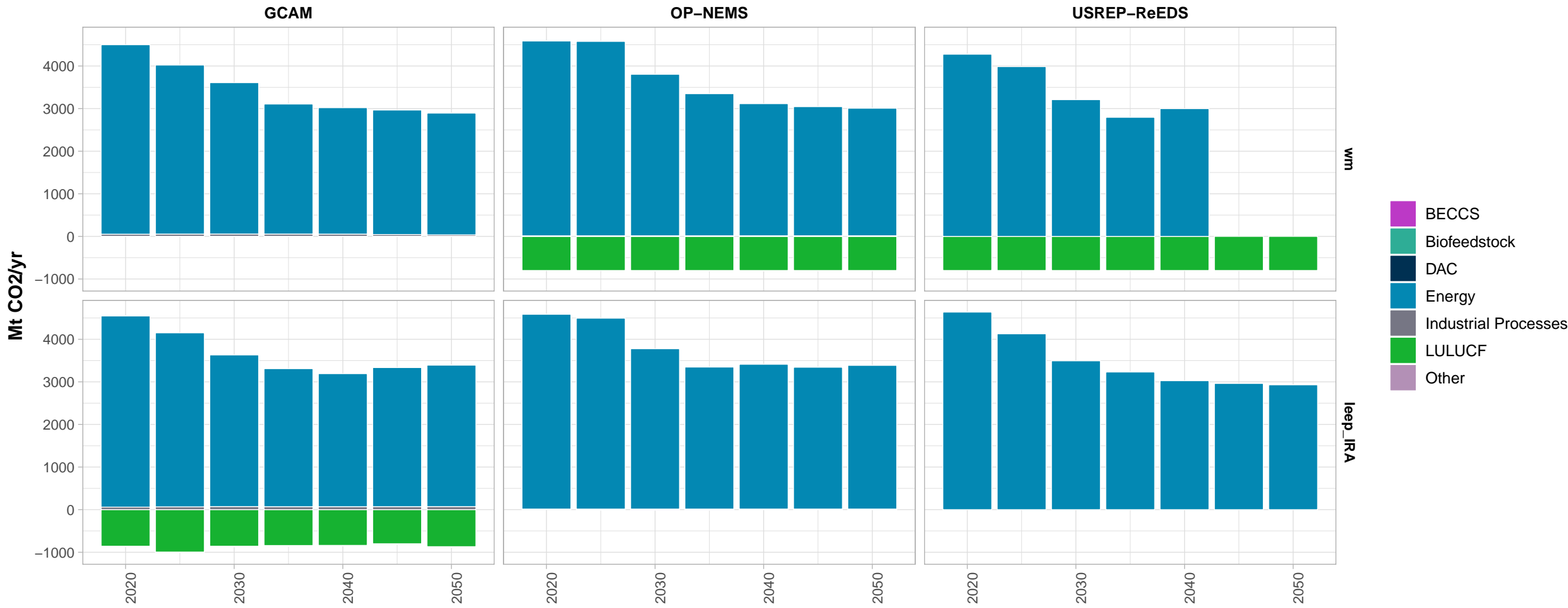


# CO2 Emissions: United States



# Sectoral CO2 Emissions: United States

GCAM

OP-NEMS

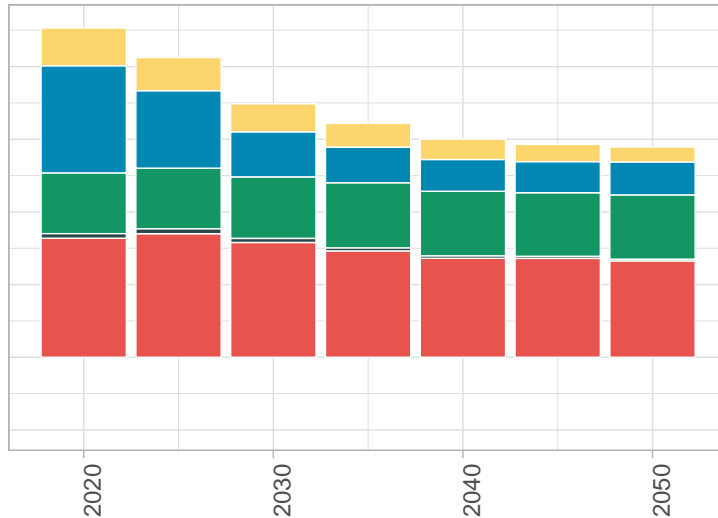
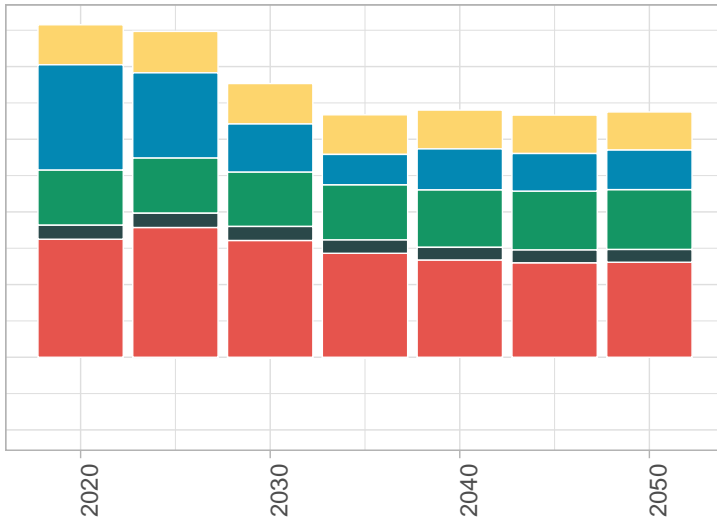
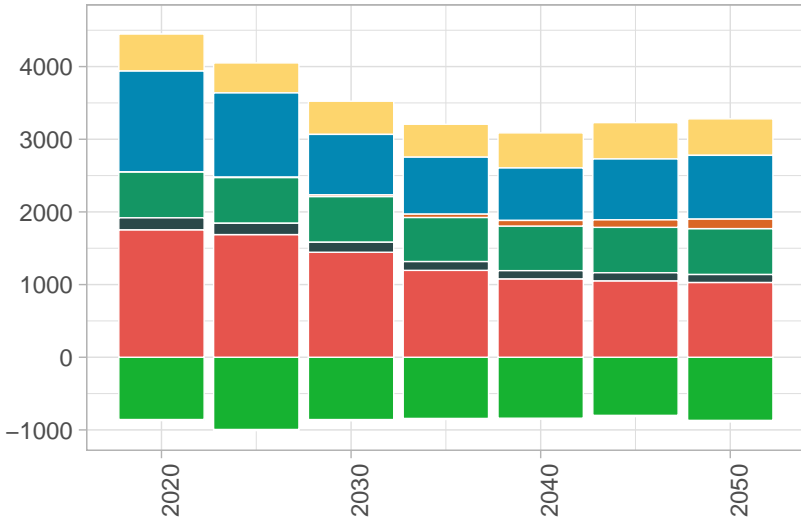
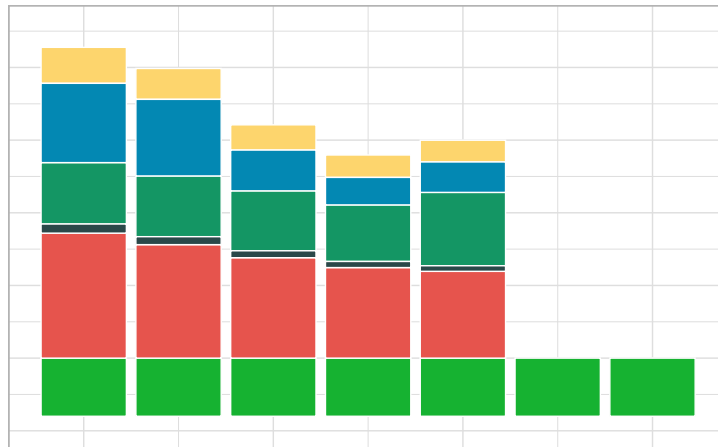
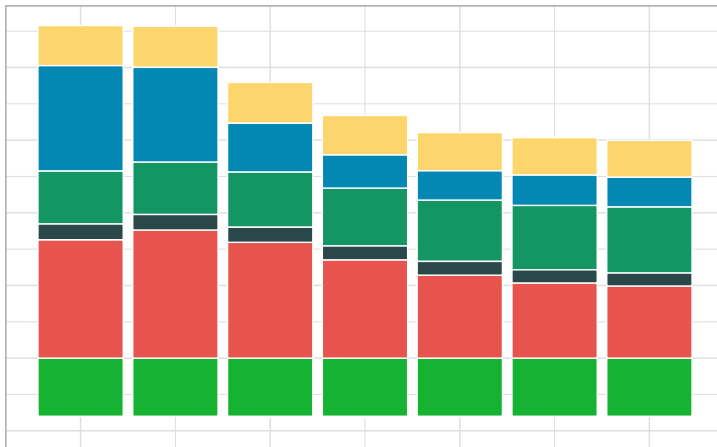
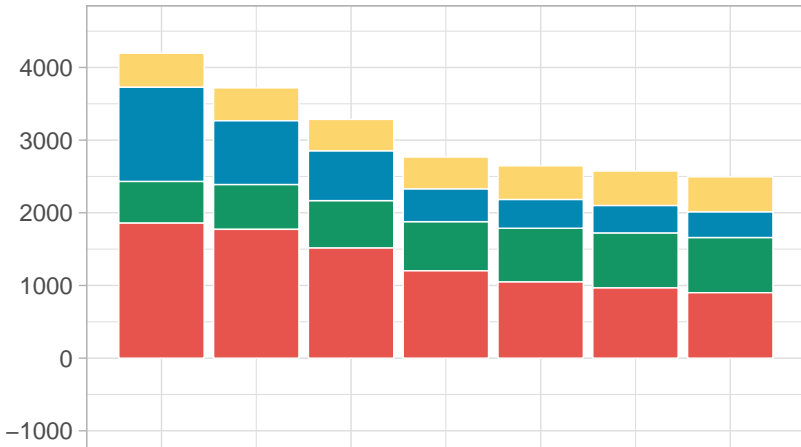
USREP-ReEDS

Mt CO2/yr

WtM

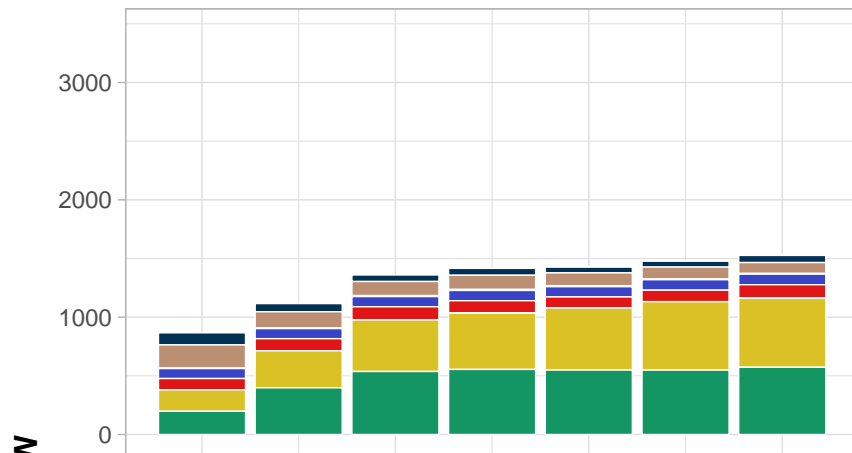
leap\_IRA

- BECCS
- Biofeedstock
- Buildings
- DAC
- Electricity
- Hydrogen
- Industry
- LULUCF
- Refining
- Transportation

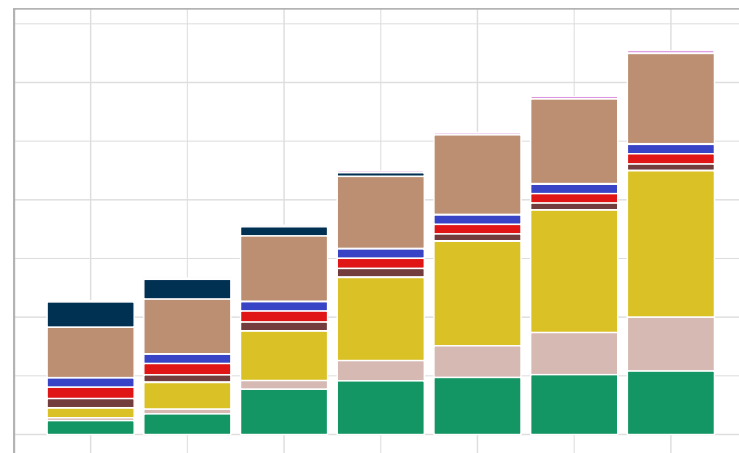


# Electricity Capacity: United States

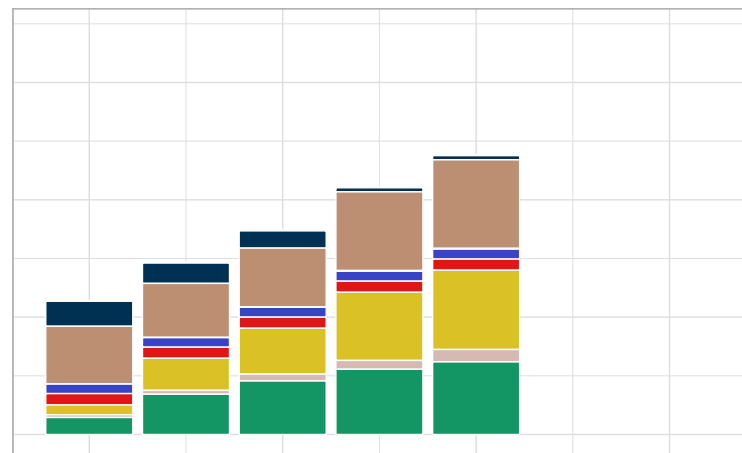
## GCAM



## OP-NEMS



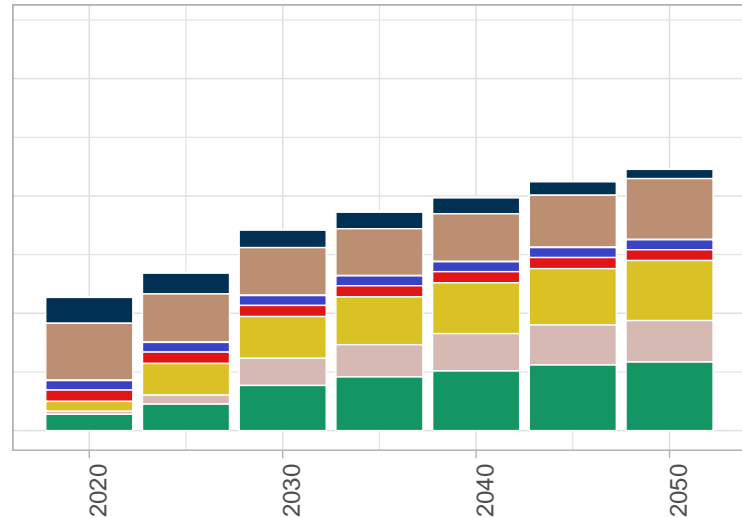
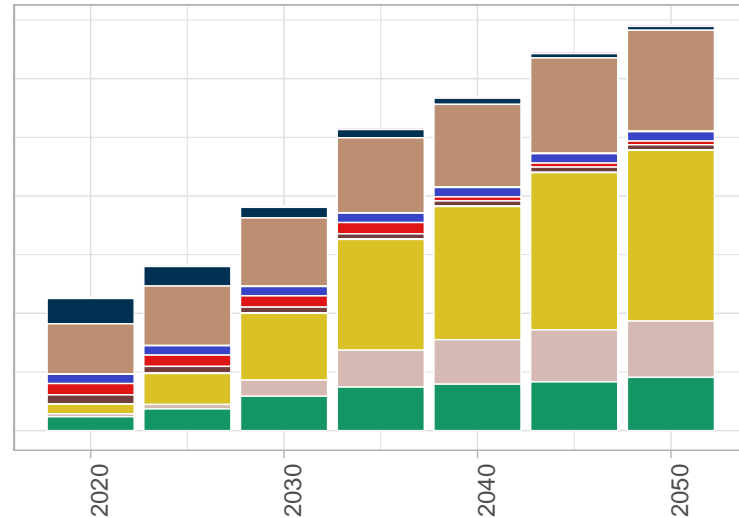
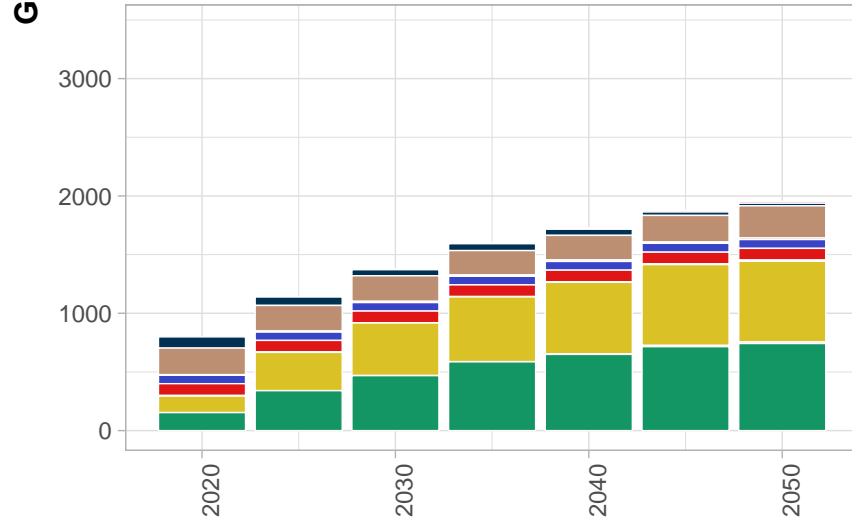
## USREP-ReEDS



GW

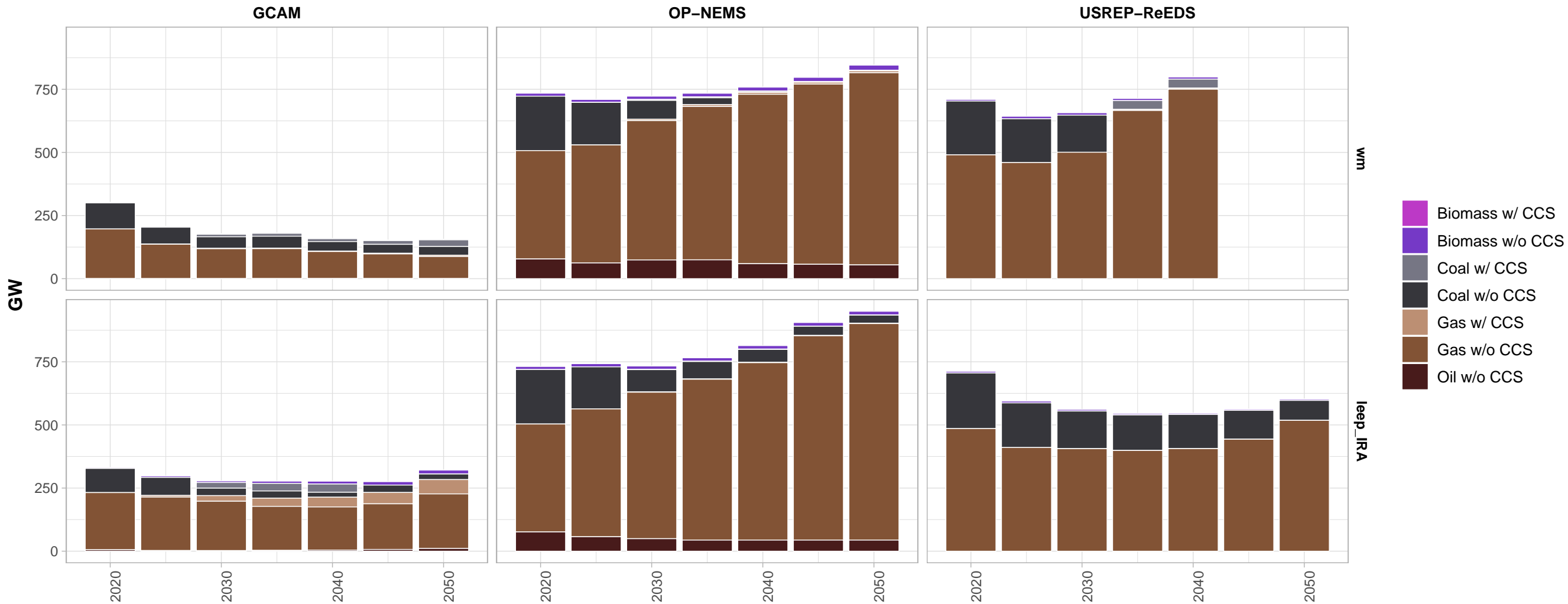
wm

- Biomass
- Coal
- Gas
- Geothermal
- Hydro
- Nuclear
- Oil
- Other
- Solar
- Storage
- Wind

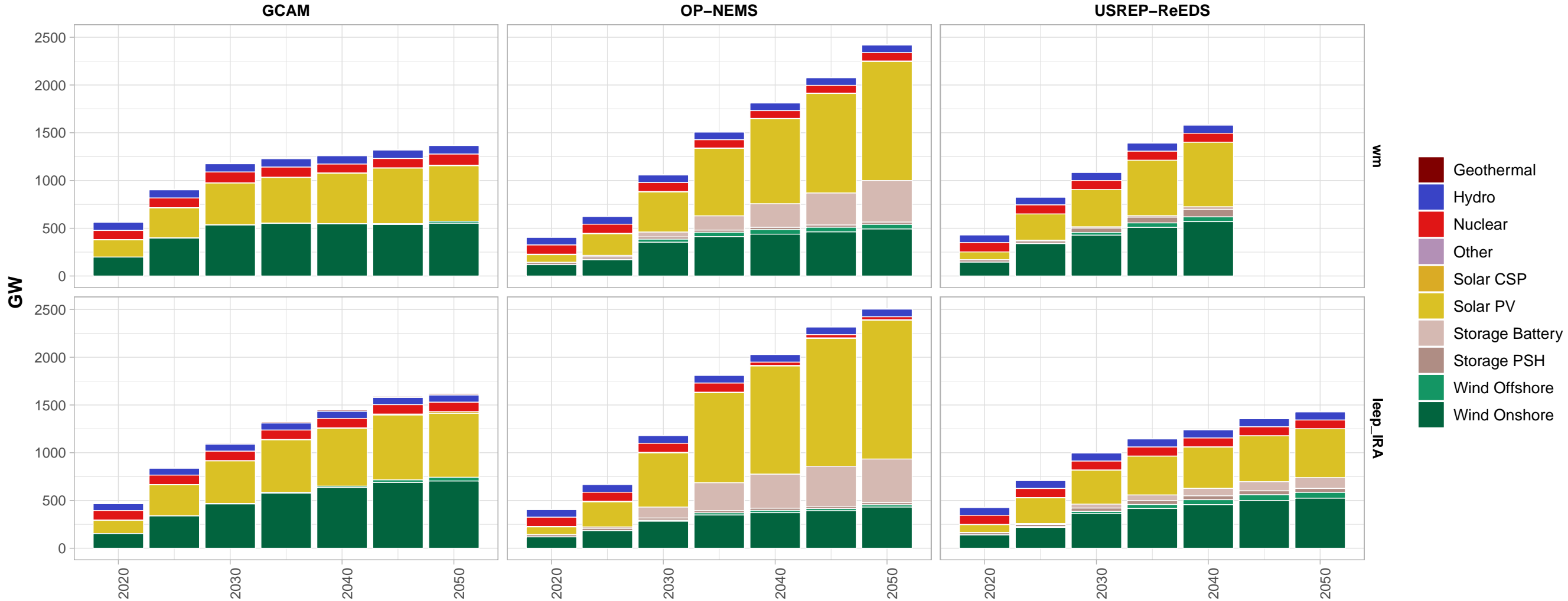


leap\_IRA

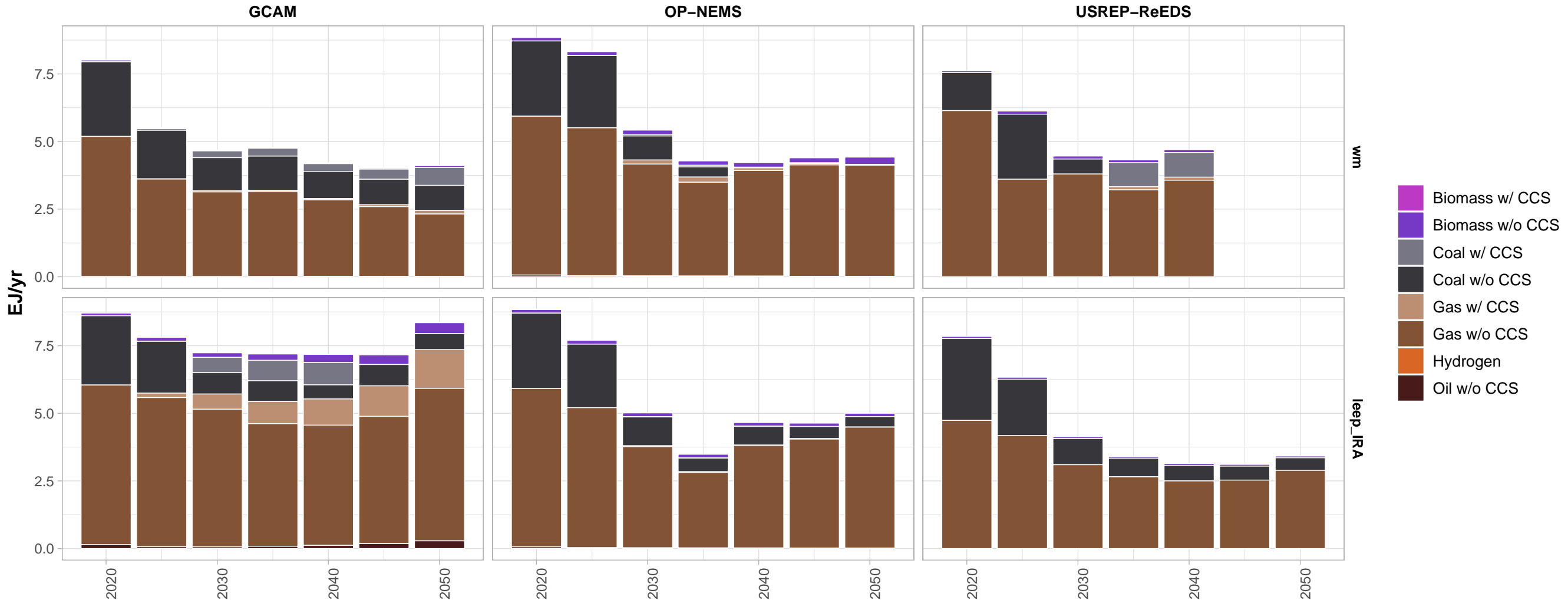
# Electricity Capacity – Combustion: United States



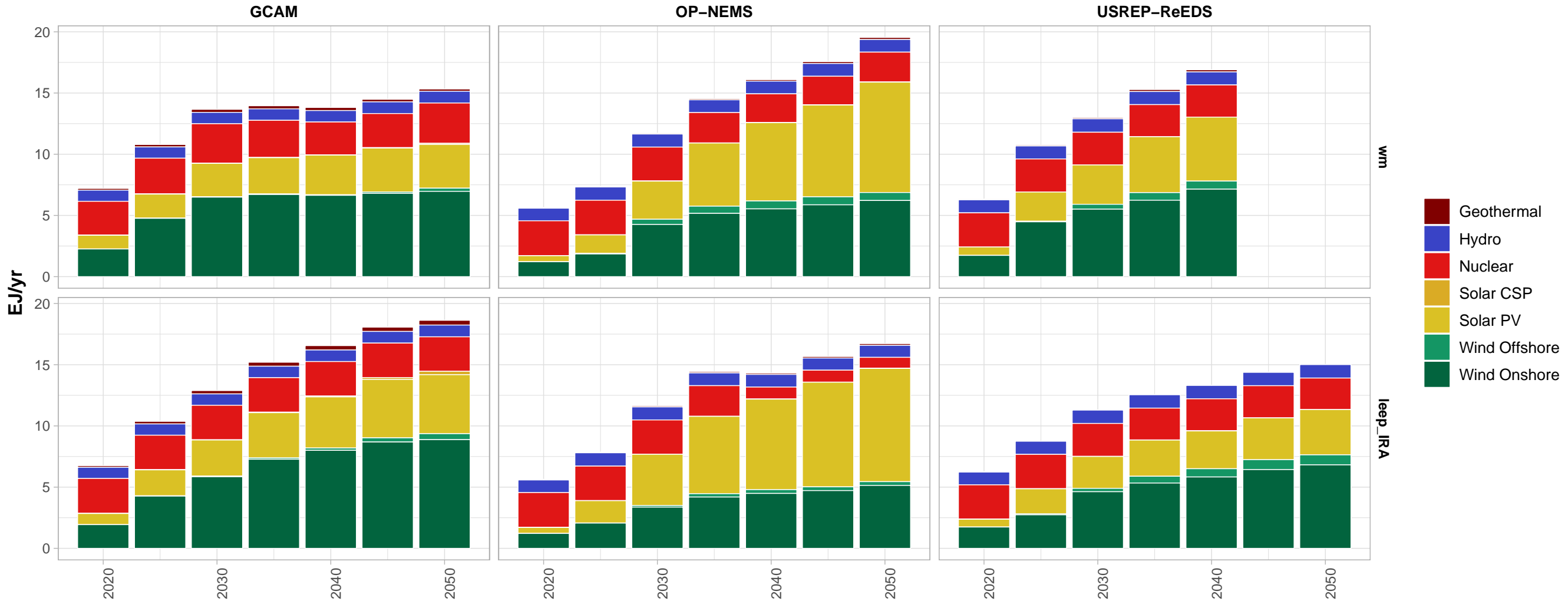
Electricity Capacity – Non-Combustion: United States



# Electricity Generation – Combustion: United States



# Electricity Generation – Non-Combustion: United States

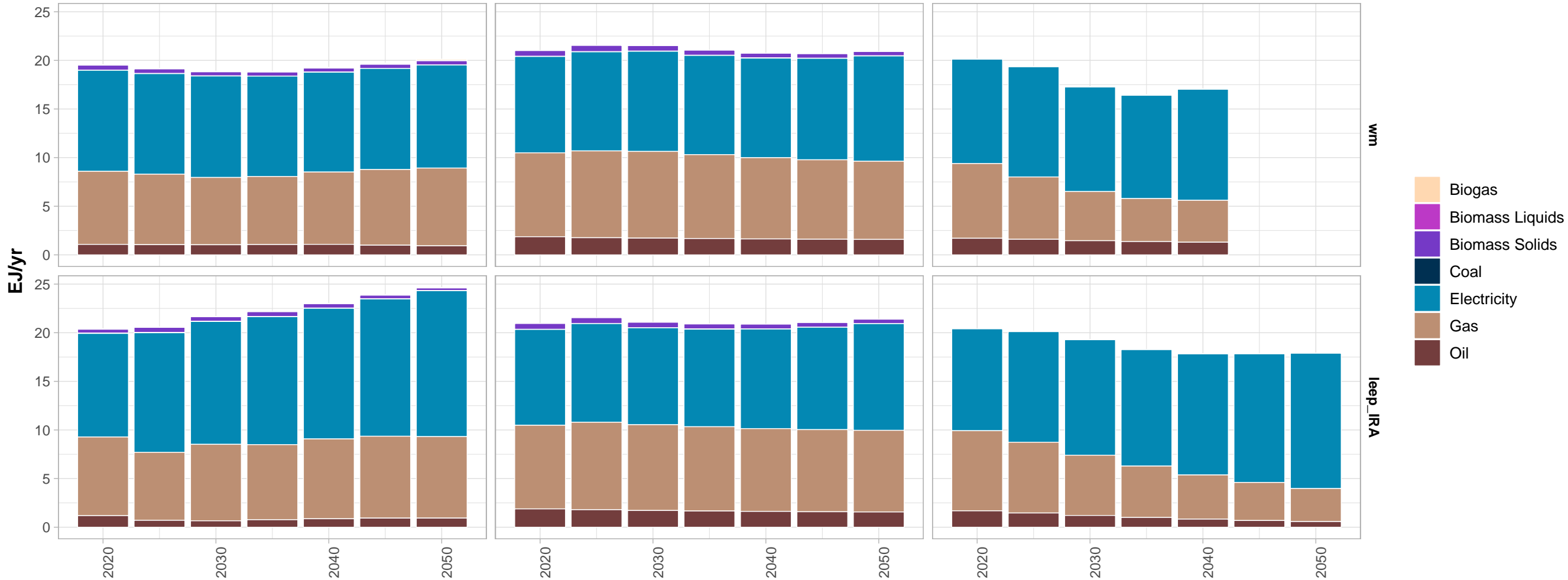


# Final Energy – Buildings: United States

GCAM

OP-NEMS

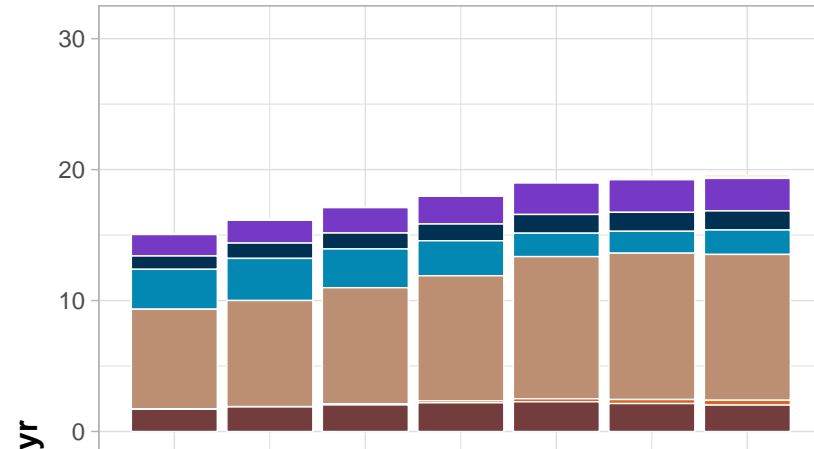
USREP-ReEDS



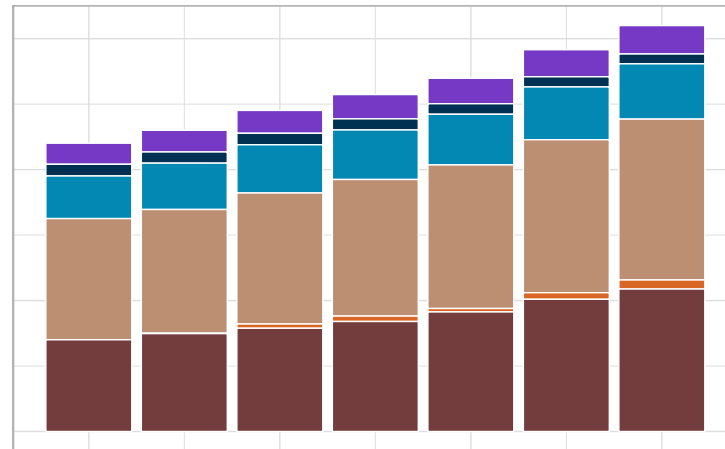


# Final Energy – Industry: United States

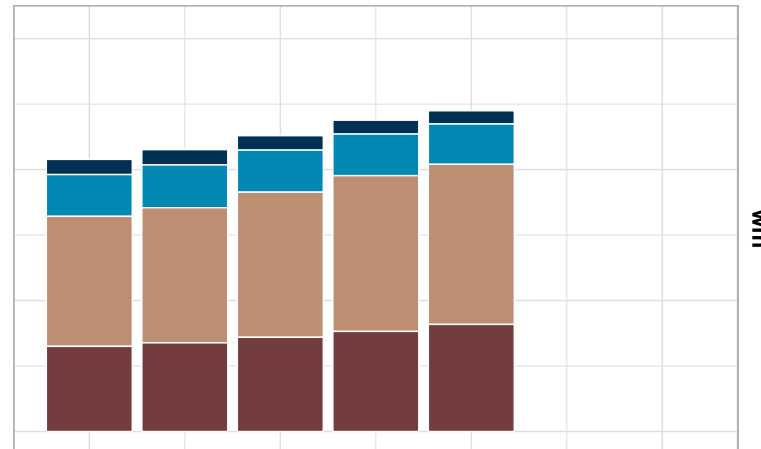
## GCAM



## OP-NEMS



## USREP-ReEDS



EJ/yr

wm

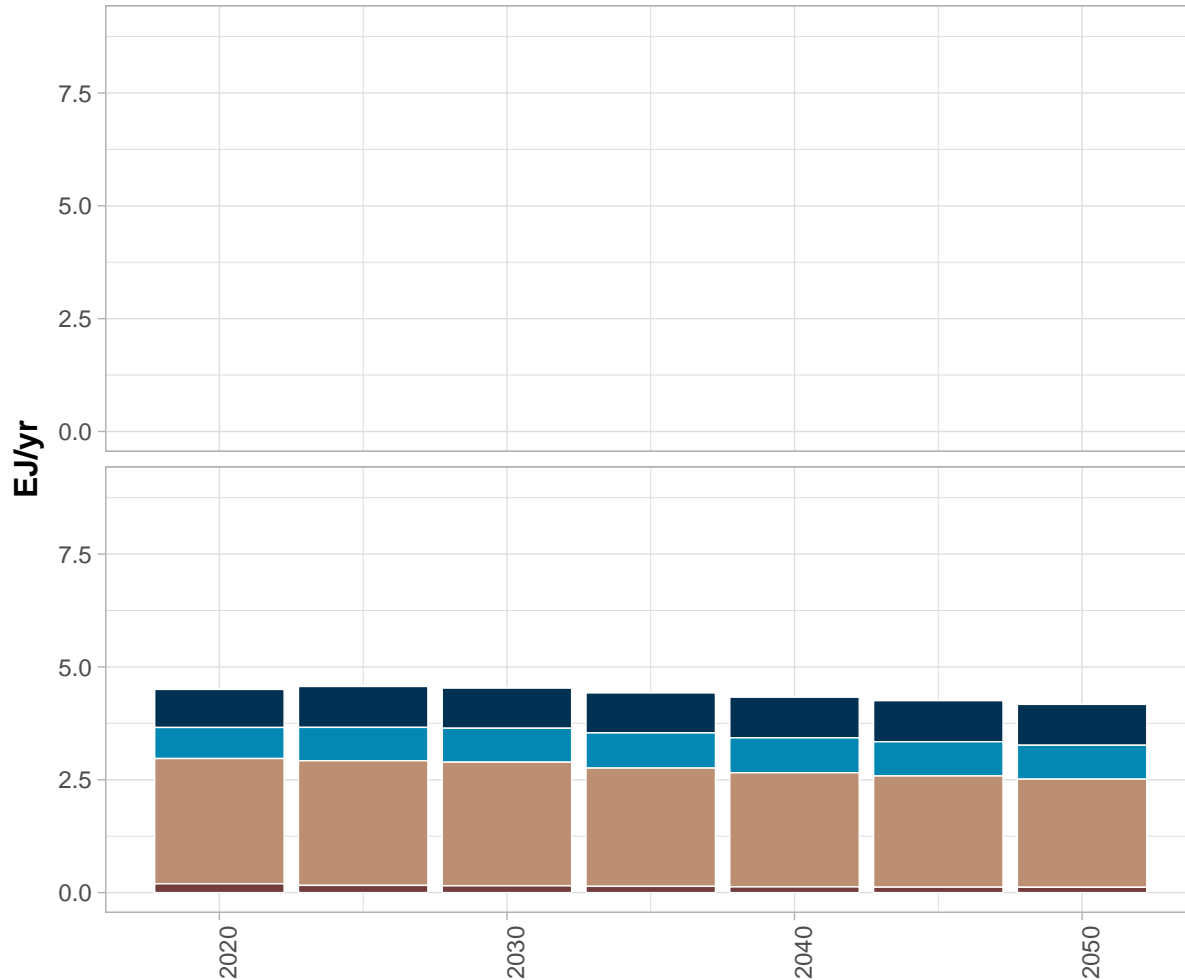
leap\_IRA

- Biogas
- Biomass Liquids
- Biomass Solids
- Coal
- Electricity
- Gas
- Hydrogen
- Oil

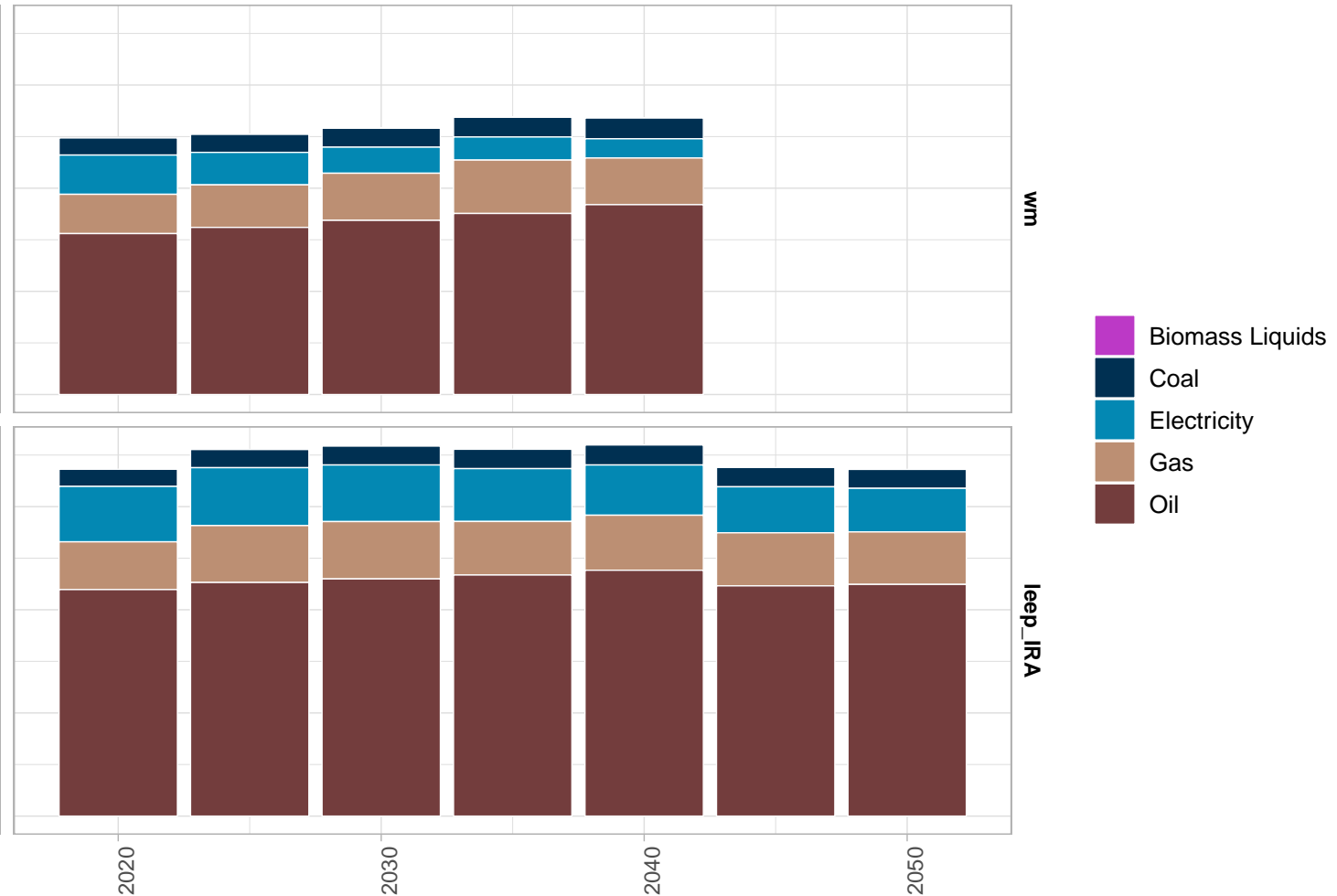
2020 2030 2040 2050

# Final Energy – Industry – Elnt Mfg: United States

## GCAM

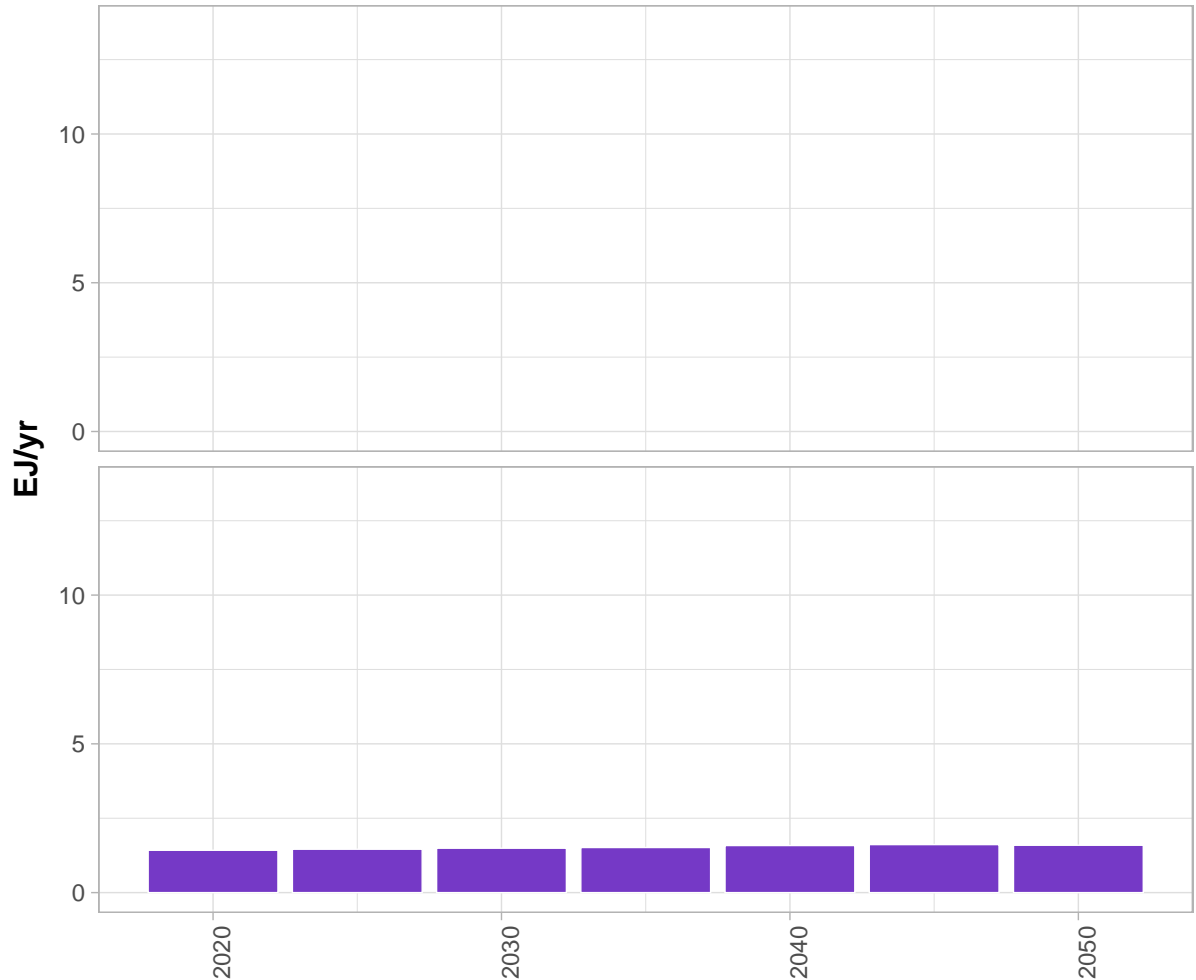


## USREP-ReEDS

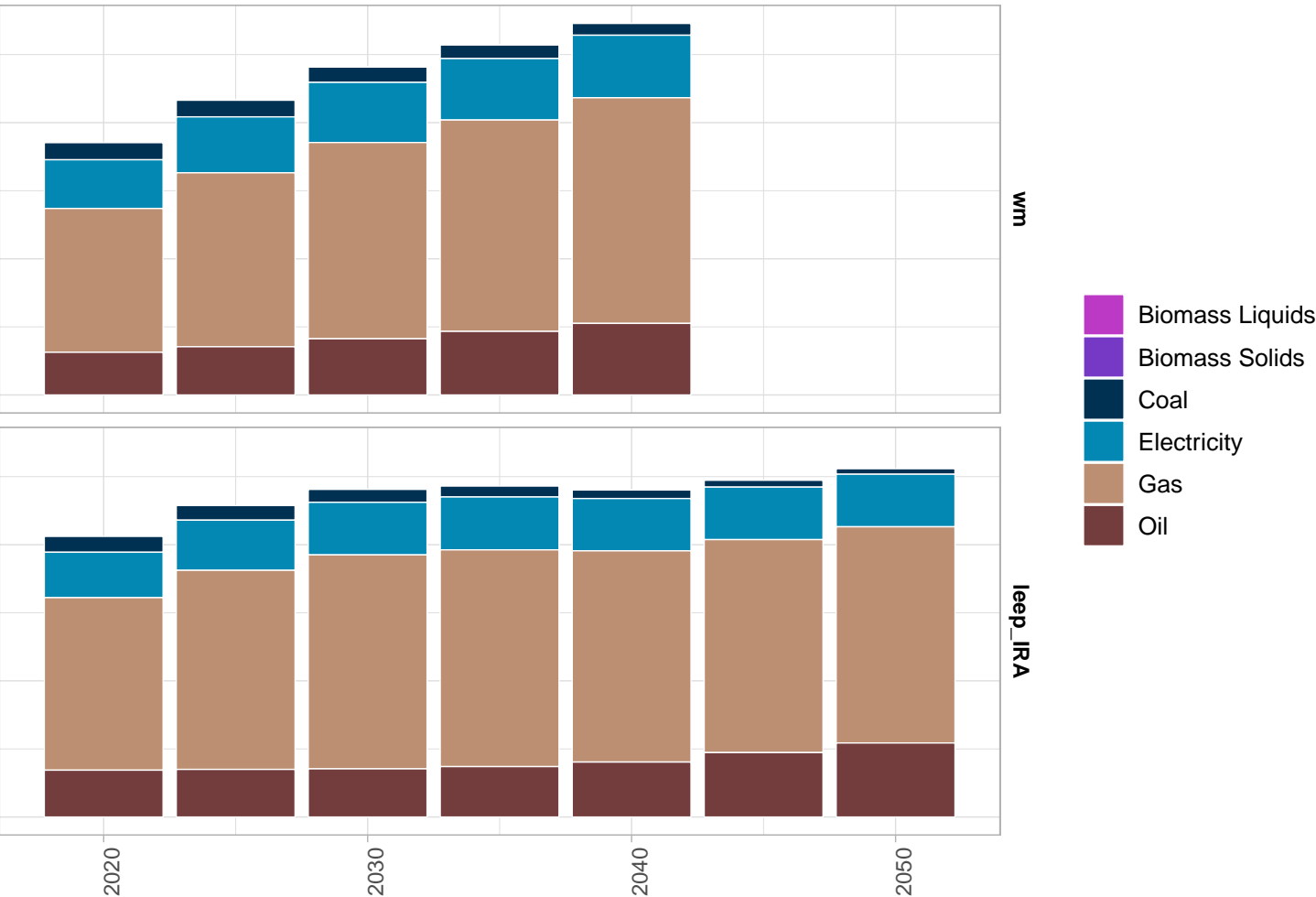


Final Energy – Industry – Non-Elnt Mfg: United States

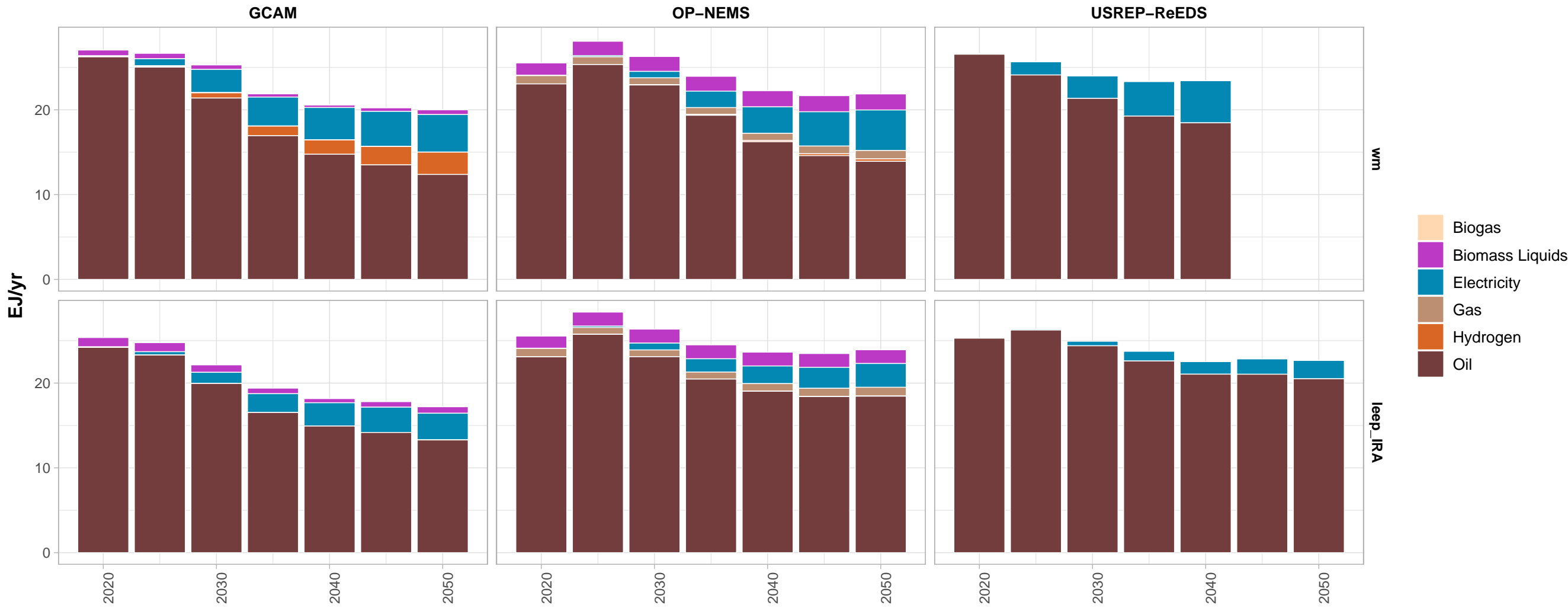
GCAM



USREP-ReEDS

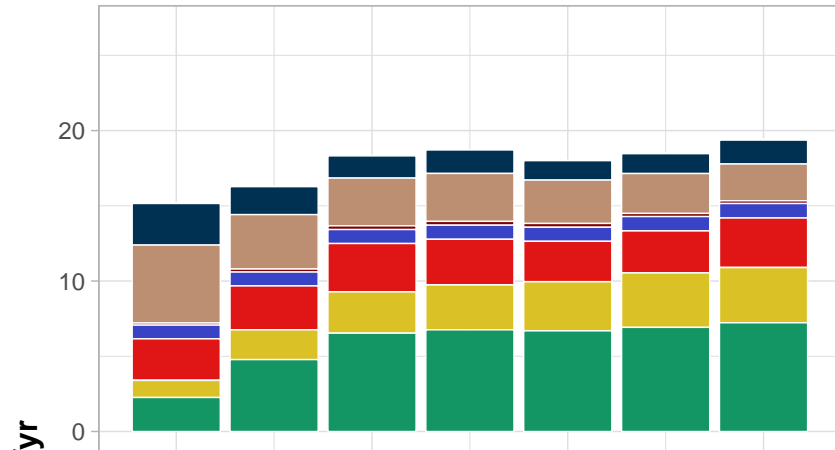


# Final Energy – Transportation: United States

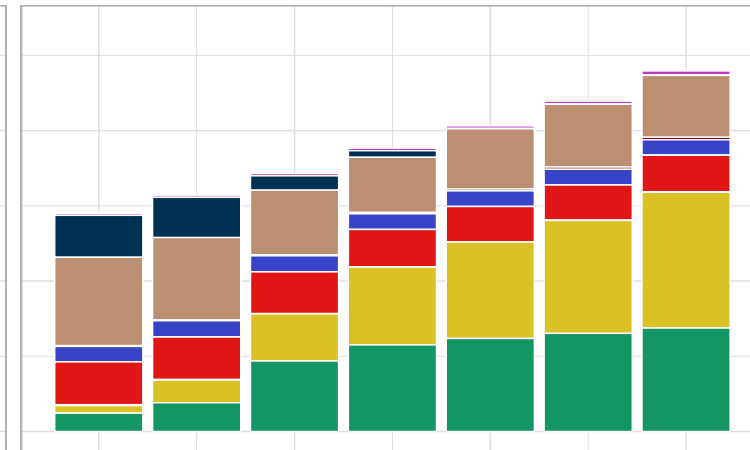


# Electricity Generation: United States

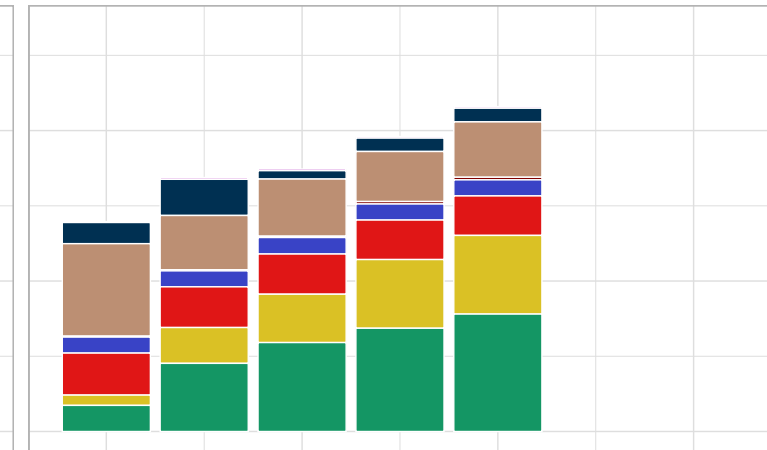
## GCAM



## OP-NEMS



## USREP-ReEDS



EJ/yr

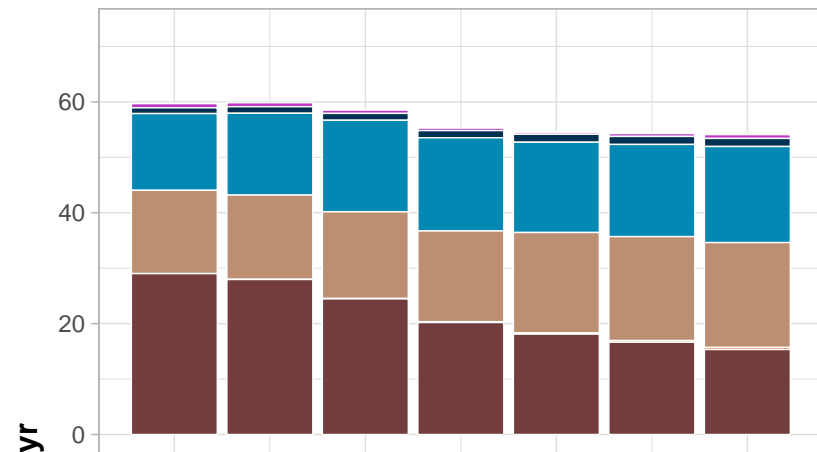
wm

leap\_IRA

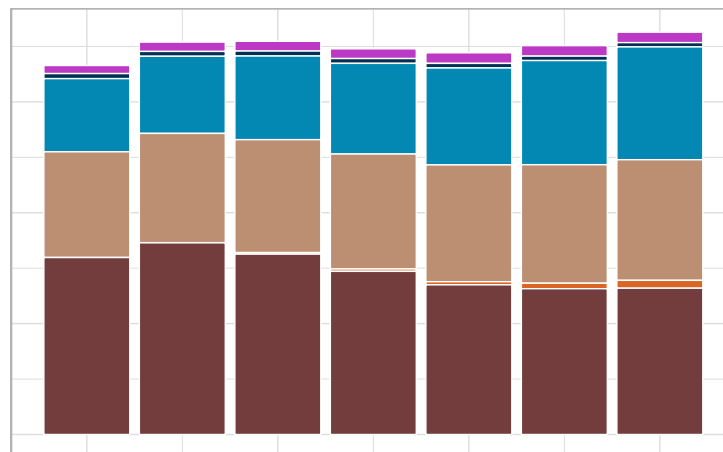
- Biomass
- Coal
- Gas
- Geothermal
- Hydro
- Hydrogen
- Nuclear
- Oil
- Solar
- Wind

# Final Energy – Fuel: United States

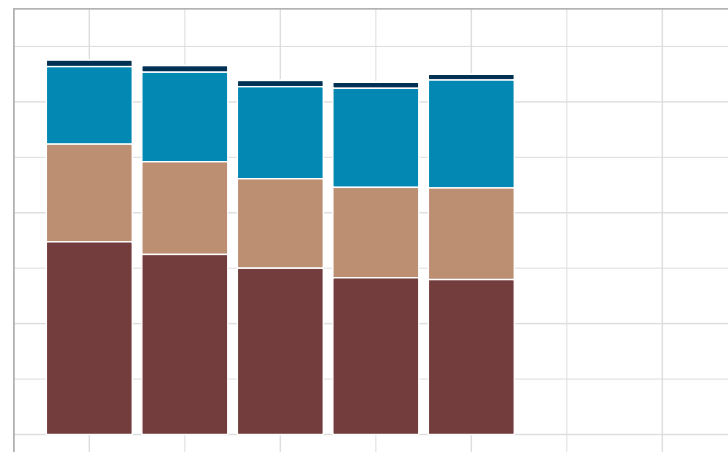
## GCAM



## OP-NEMS



## USREP-ReEDS

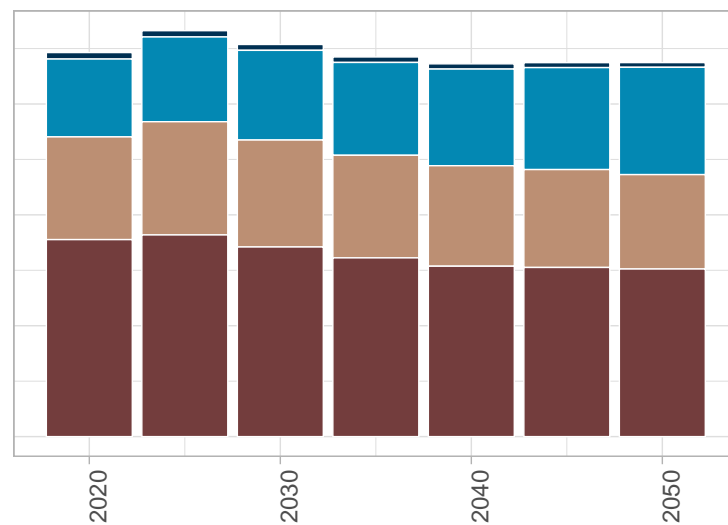
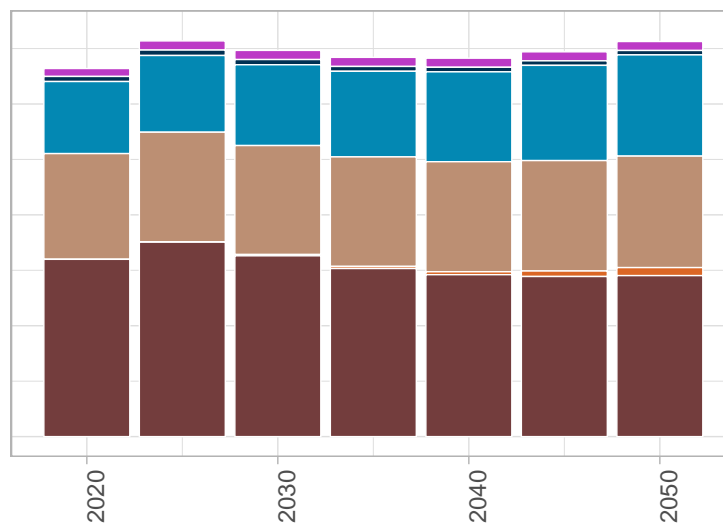
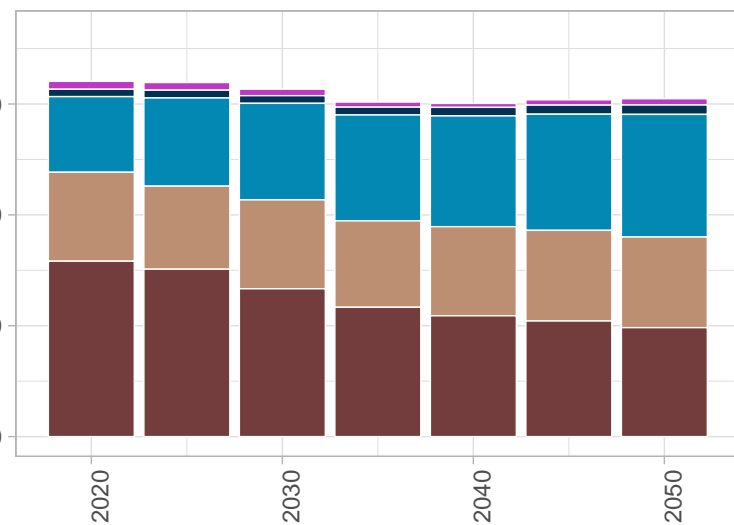


EJ/yr

wm

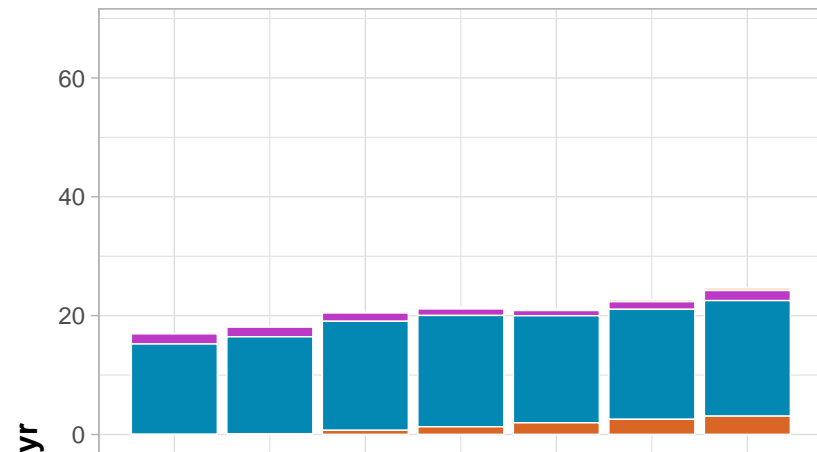
- Biogas
- Biomass Liquids
- Coal
- Electricity
- Gas
- Hydrogen
- Oil

leap\_IRA

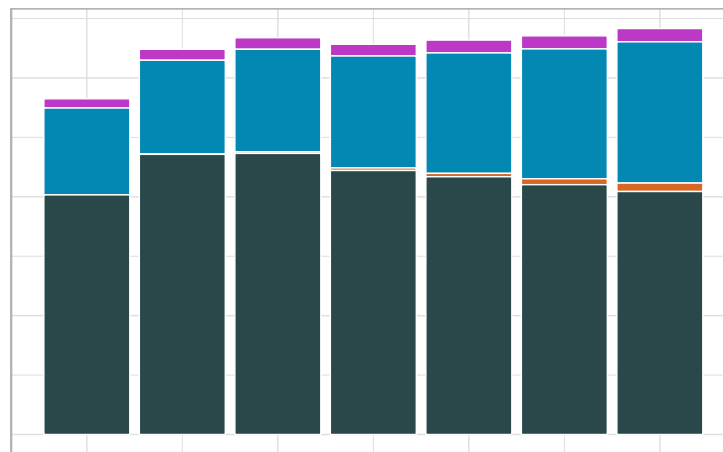


# Secondary Energy: United States

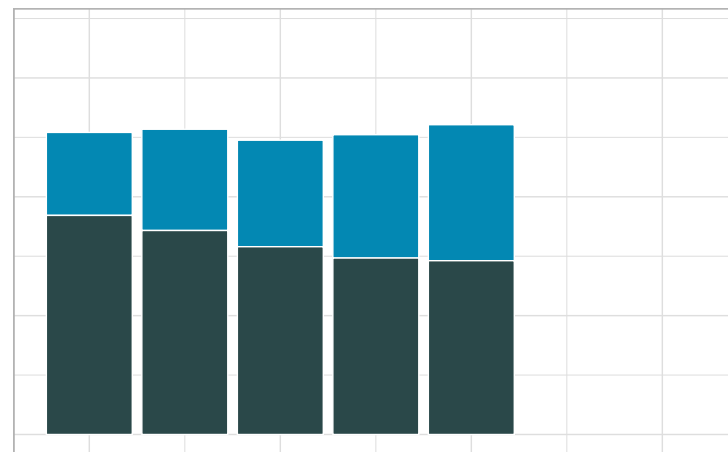
## GCAM



## OP-NEMS



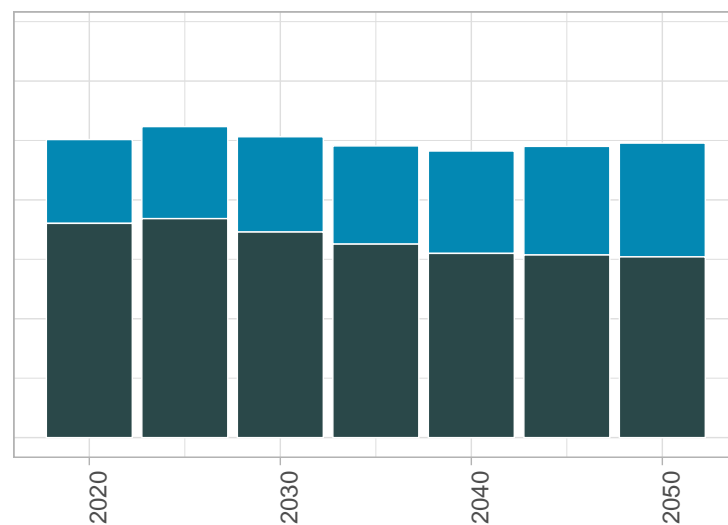
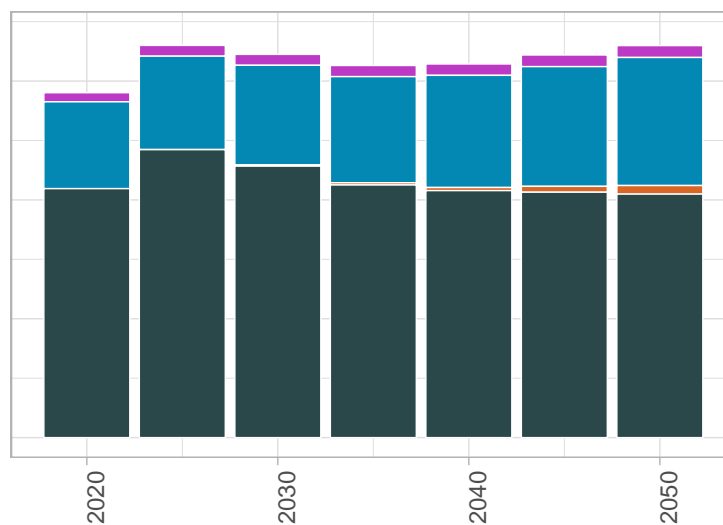
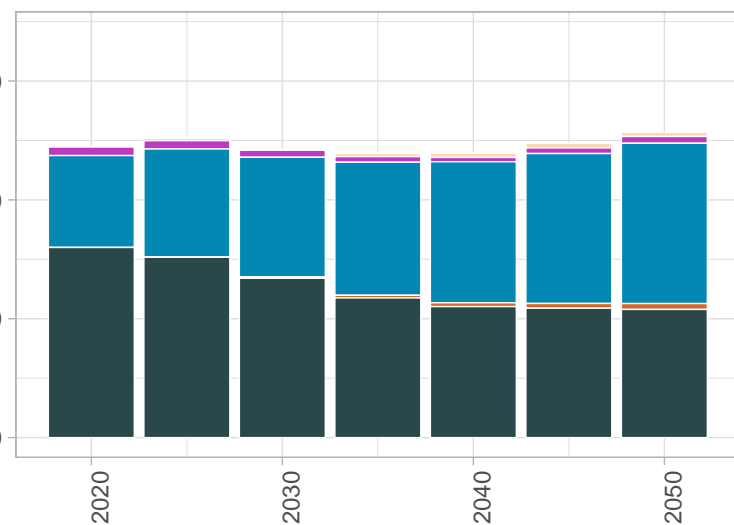
## USREP-ReEDS



EJ/yr

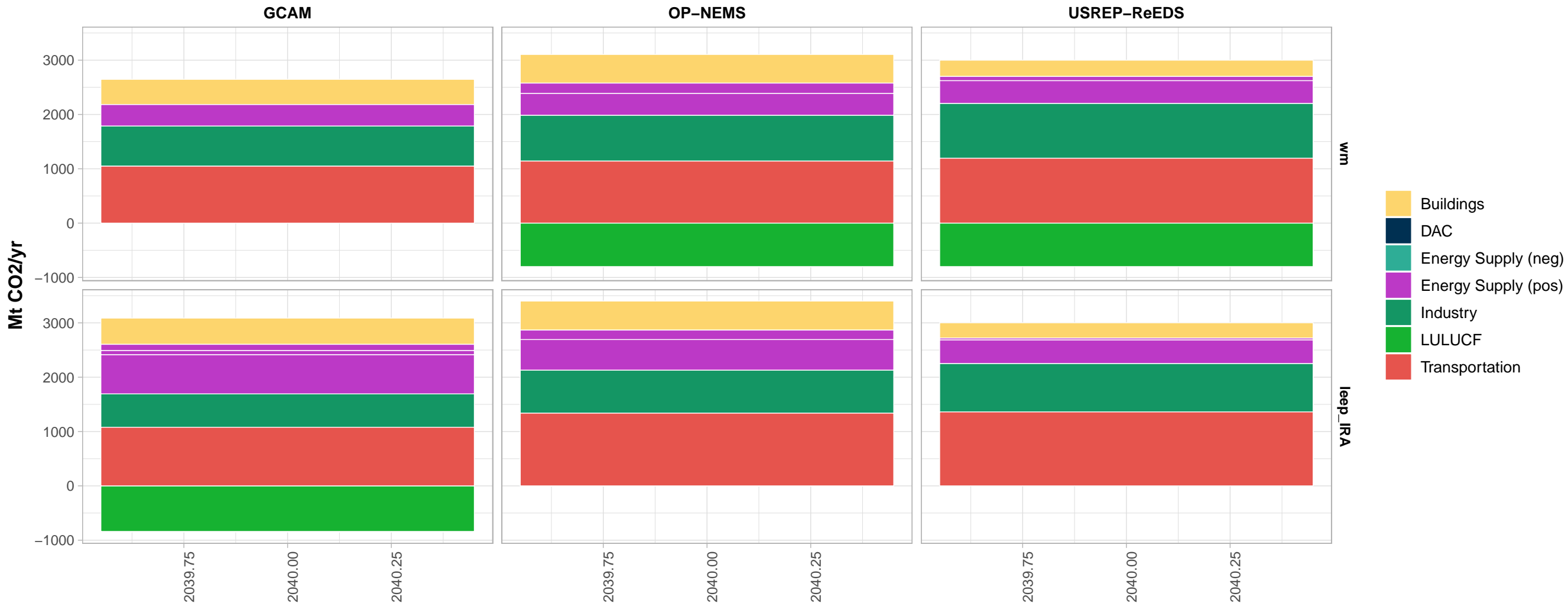
wm

- Biogas
- Biomass Liquids
- Electricity
- Hydrogen
- Refining
- Synthetic Gas



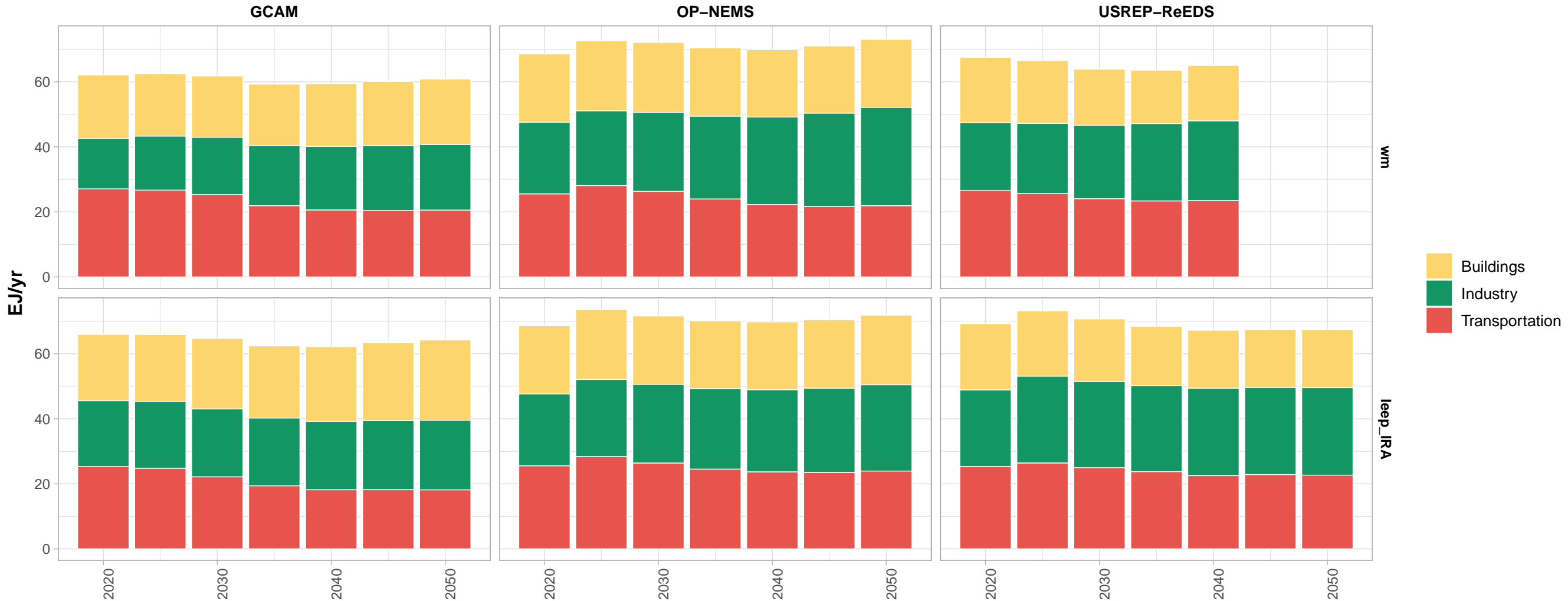
leap\_IRA

# Sectoral CO2 Emissions (2040): United States

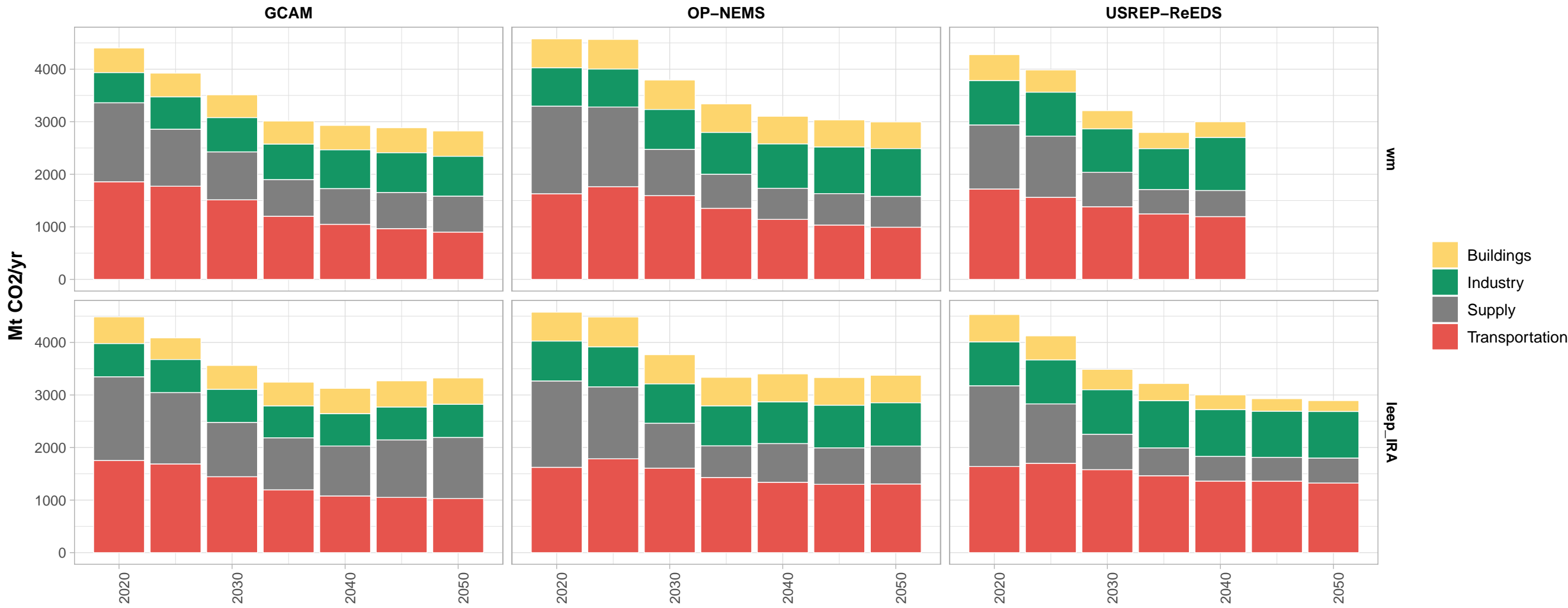




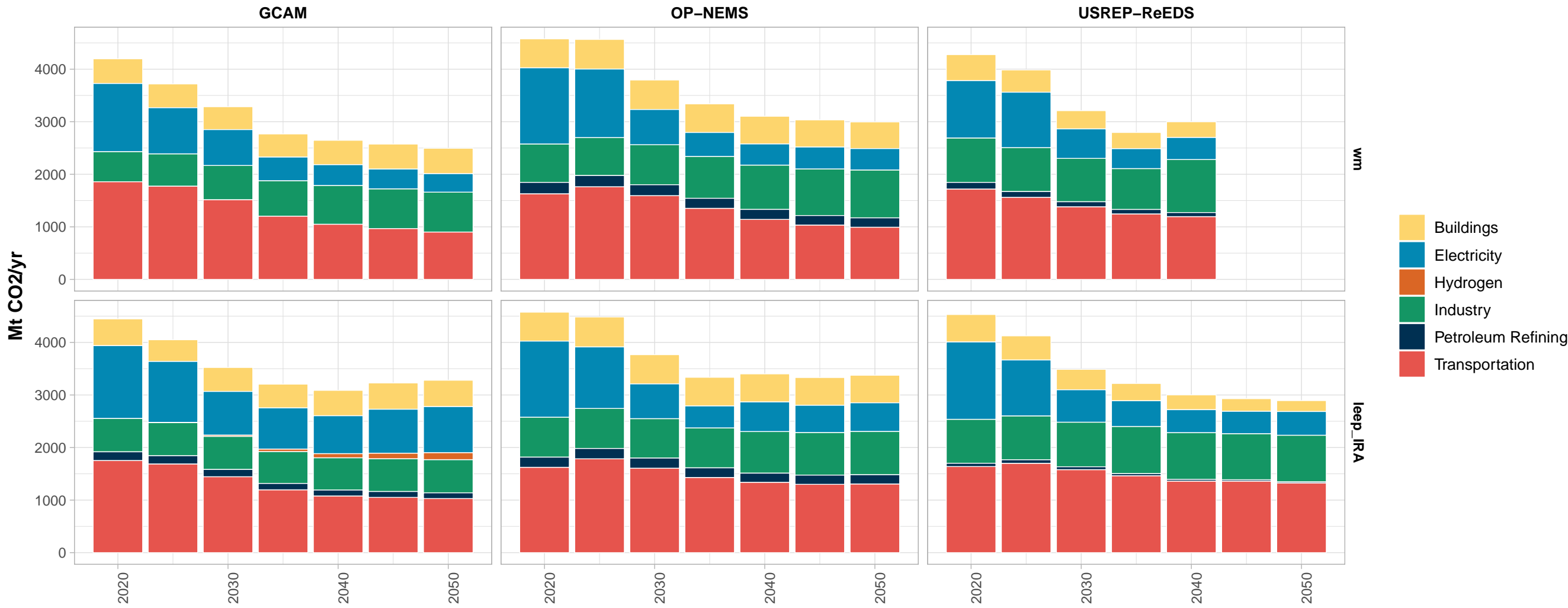
# Final Energy – Sector: United States



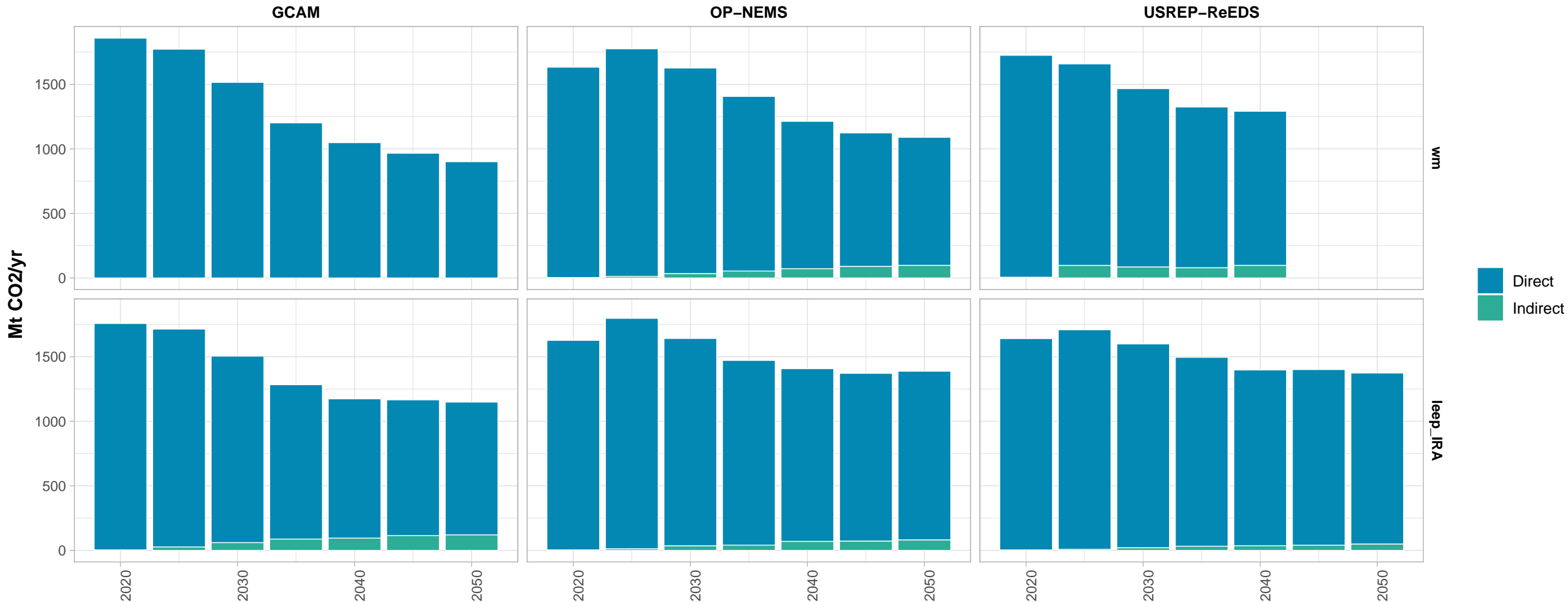
Energy CO2 Emissions Accounting – total supply: United States



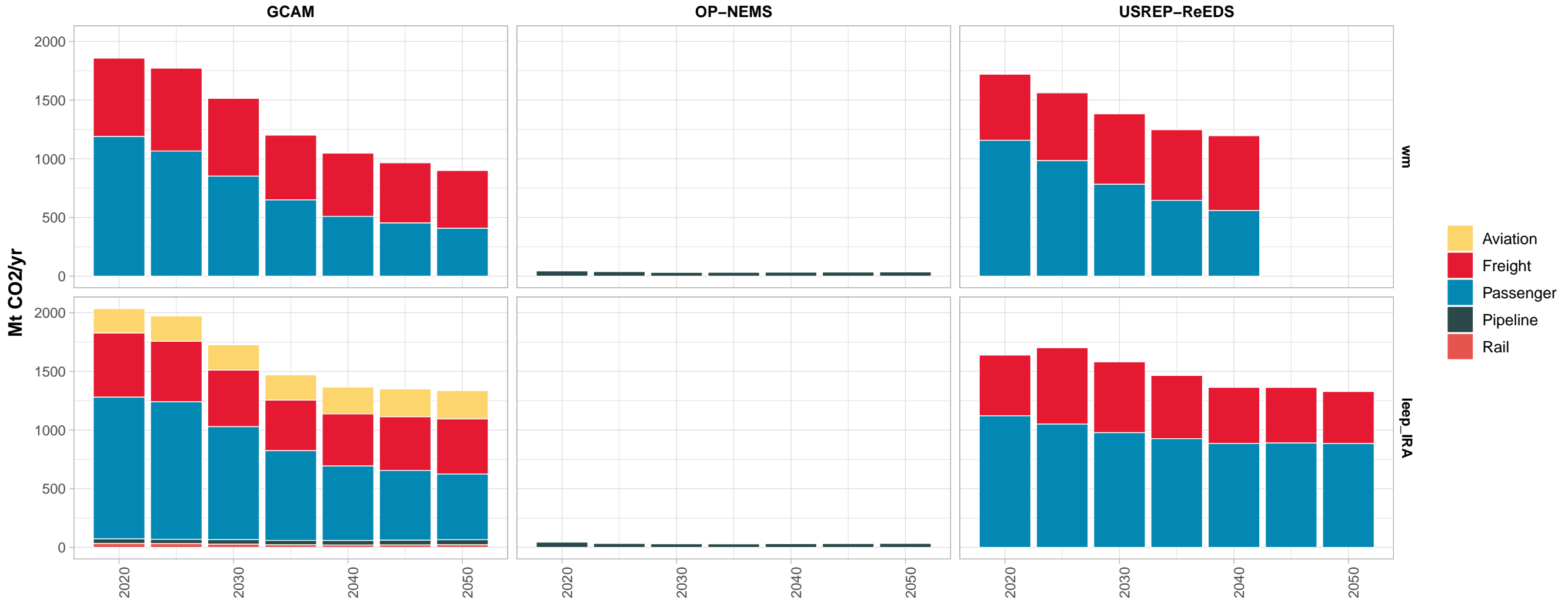
# Energy CO2 Emissions Accounting – supply breakout: United States



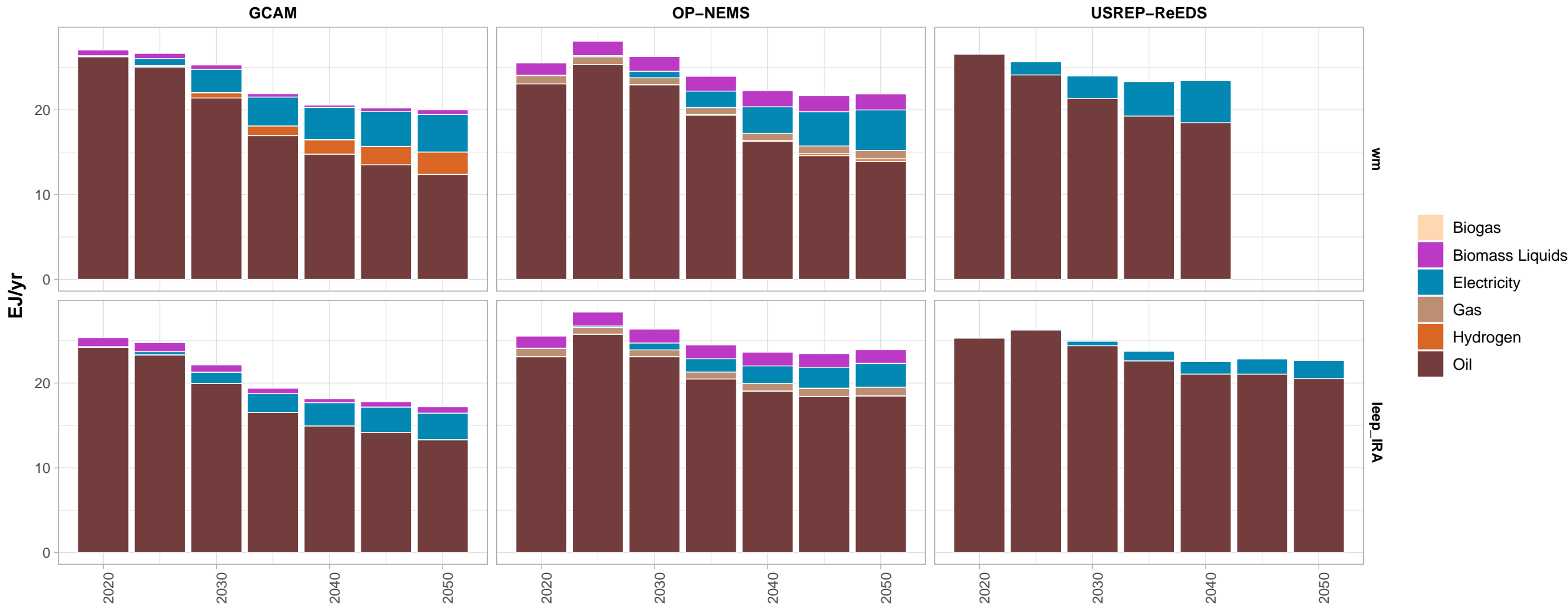
# TRN Direct and Indirect Emissions: United States



# TRN Mode Emissions: United States



TRN Energy by Fuel: United States



# TRN Passenger CO2 Emissions: United States

GCAM

