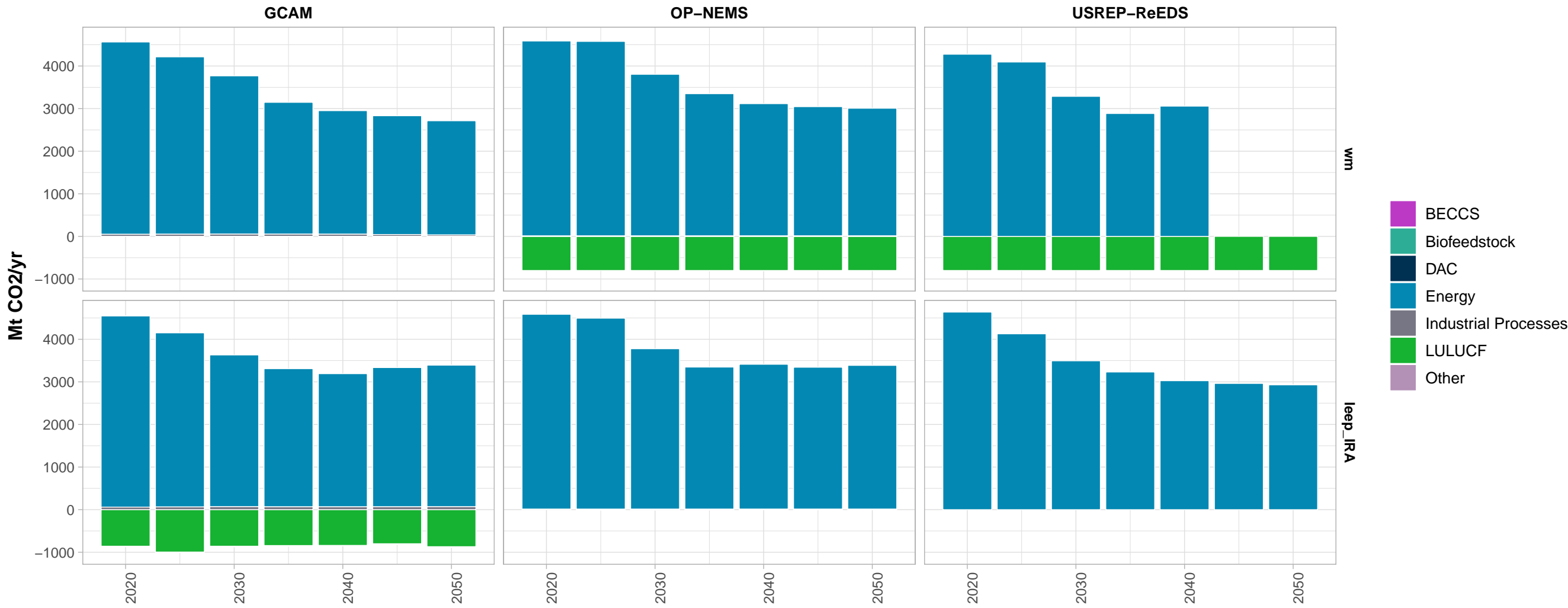
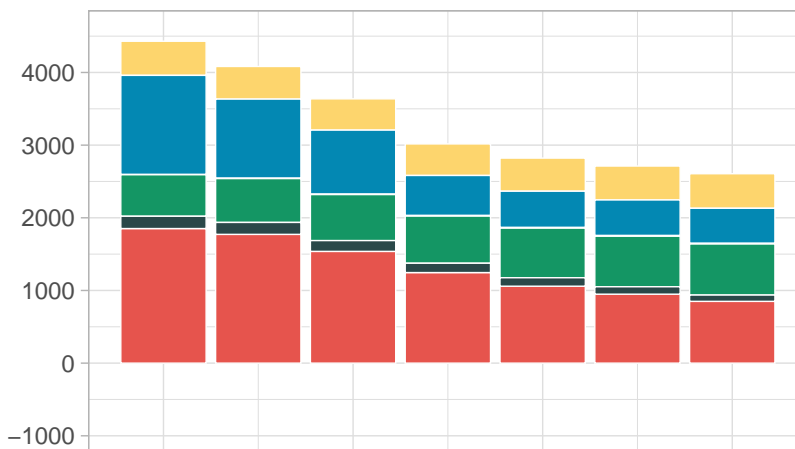


# CO2 Emissions: United States

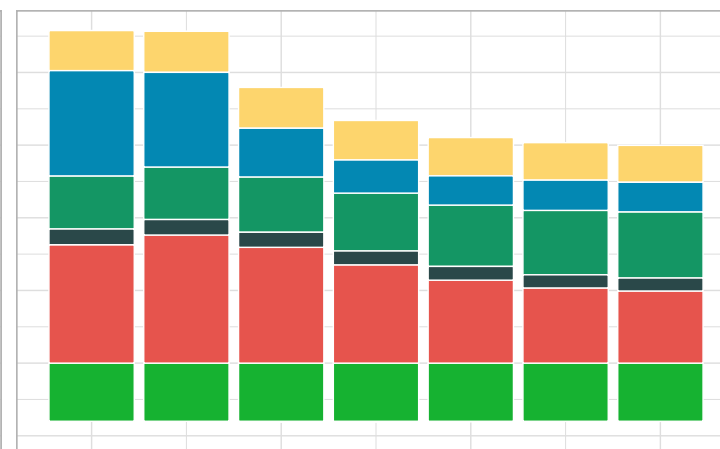


# Sectoral CO2 Emissions: United States

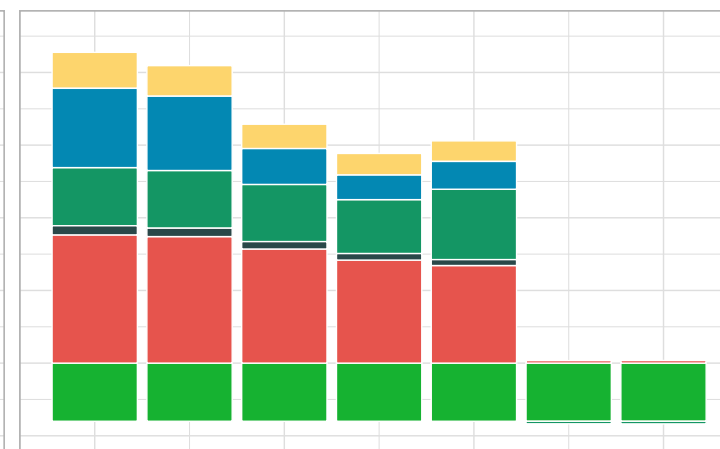
## GCAM



## OP-NEMS



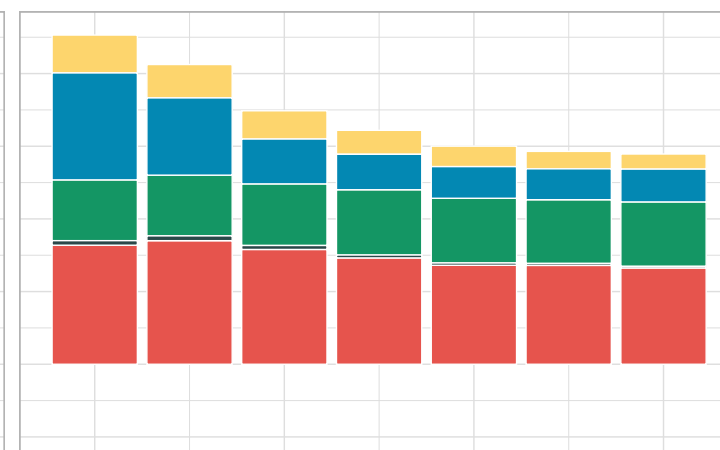
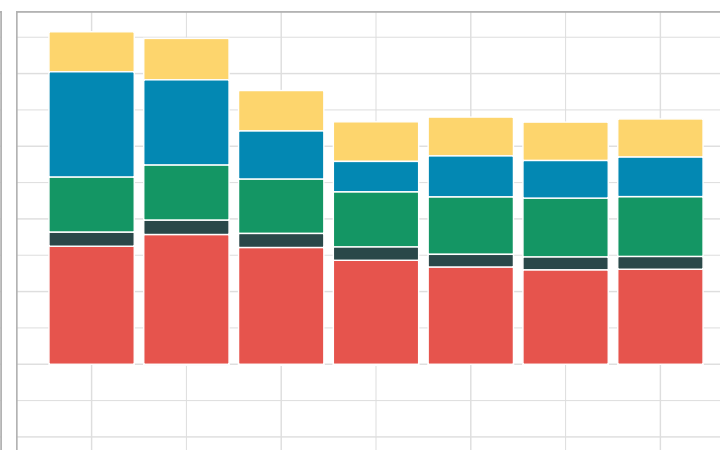
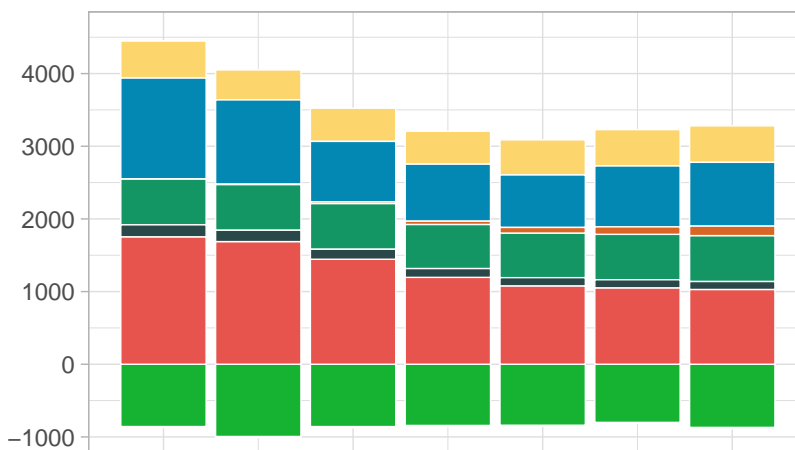
## USREP-ReEDS



wm

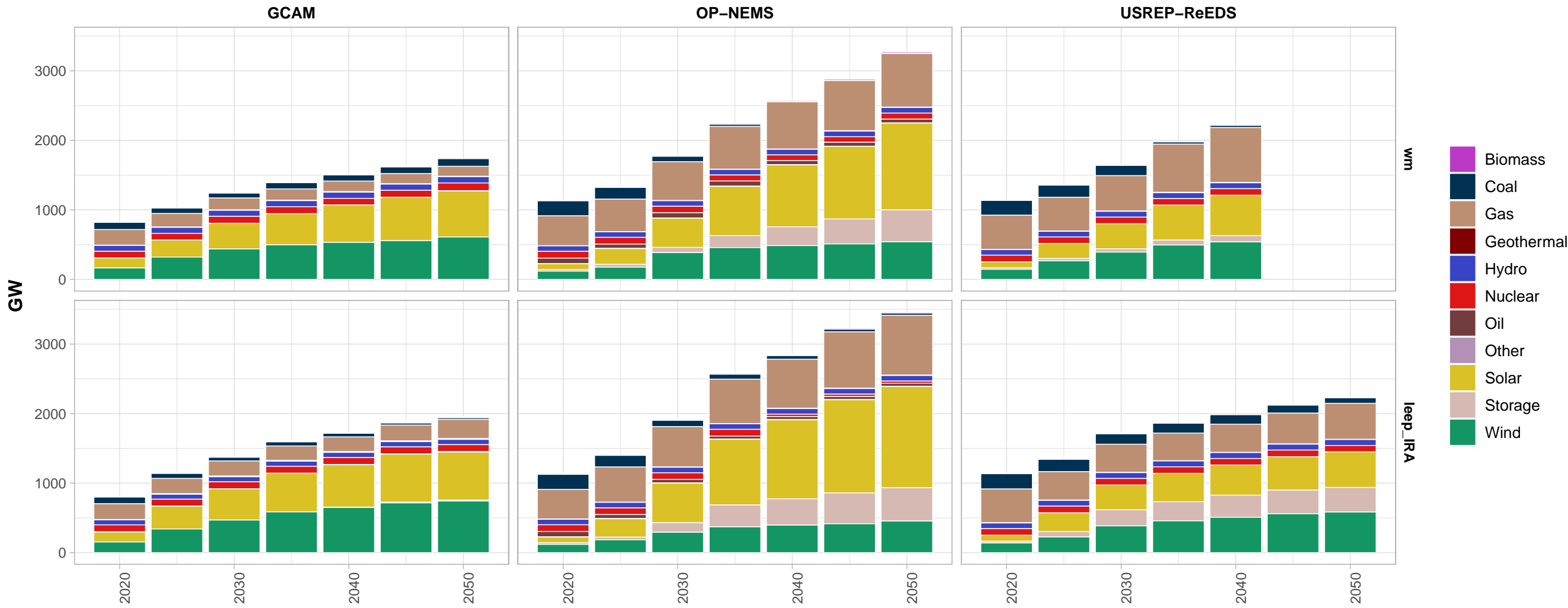
- BECCS
- Biofeedstock
- Buildings
- DAC
- Electricity
- Hydrogen
- Industry
- LULUCF
- Refining
- Transportation

Mt CO2/yr

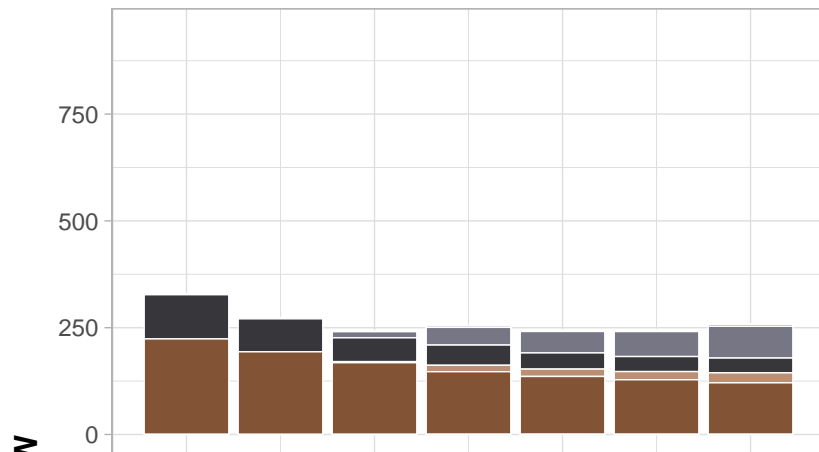


leap\_IRA

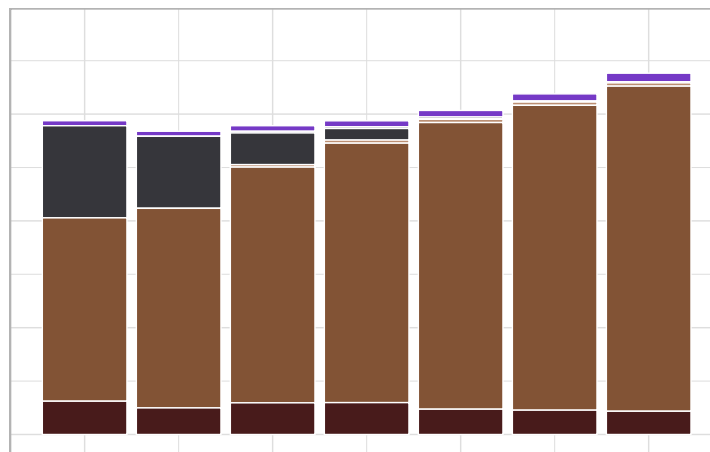
# Electricity Capacity: United States



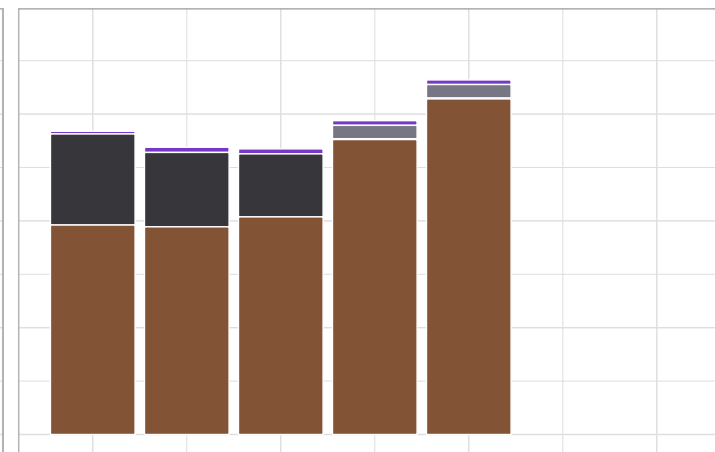
## Electricity Capacity – Combustion: United States

**GCAM**

**OP-NEMS**

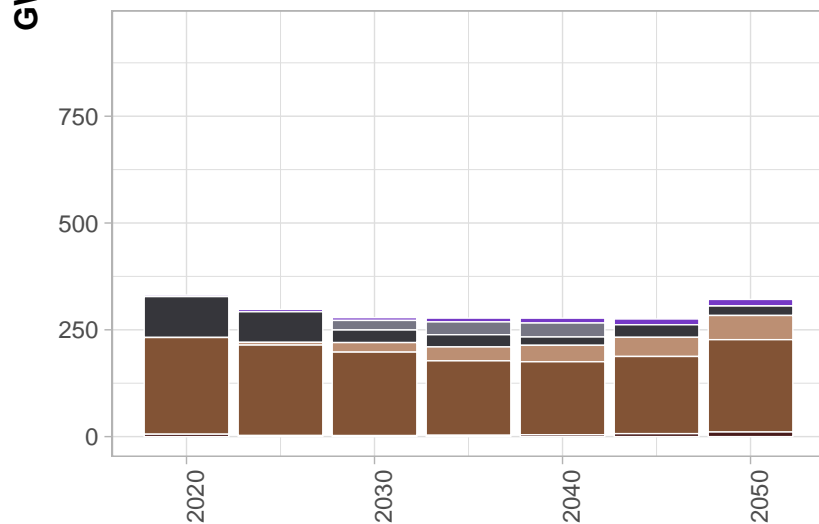


USREP-ReEDS



wmm

GW



Year	0-14	15-64	65+
2020	~1.5	~10.5	~10.5
2030	~1.5	~11.5	~12.5
2040	~1.5	~12.5	~15.5
2050	~1.5	~13.5	~18.5

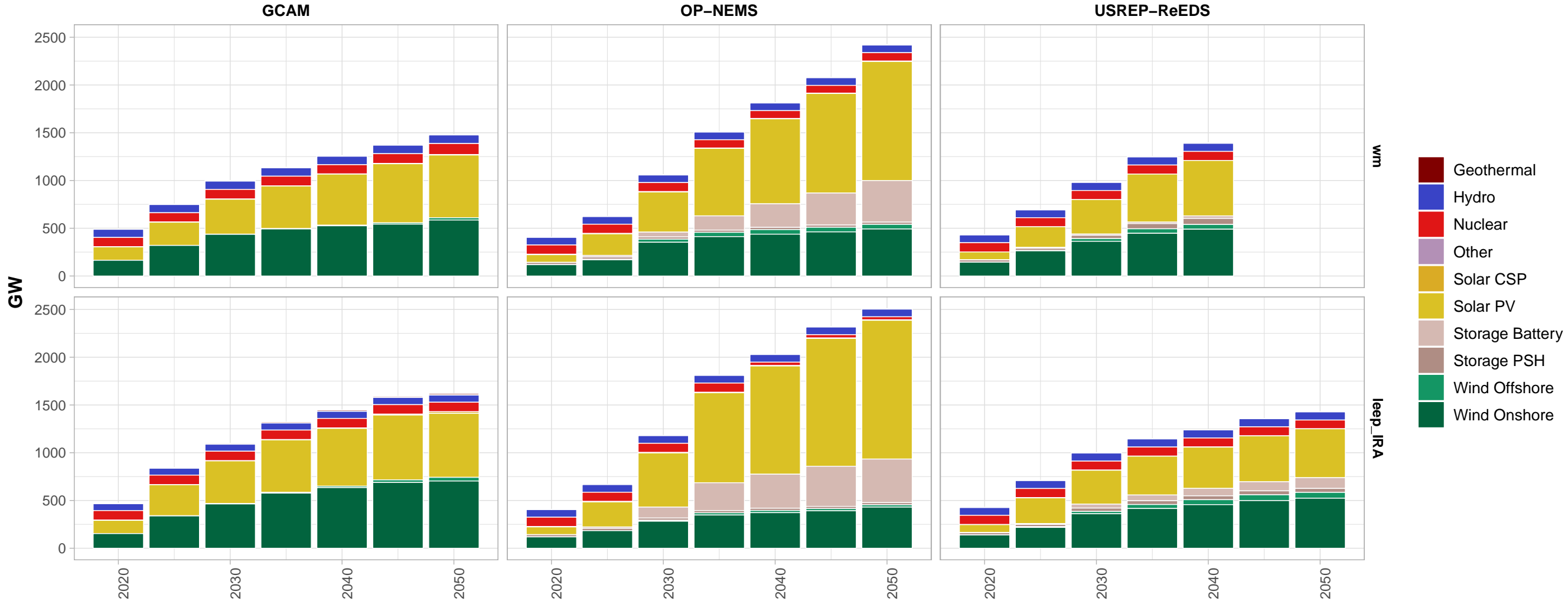
The chart displays the projected number of people aged 65 and over in the EU from 2020 to 2050. The total number of people aged 65 and over is projected to decrease from approximately 100 million in 2020 to about 85 million in 2050. The number of people aged 75 and over is projected to increase from approximately 35 million in 2020 to about 45 million in 2050. The number of people aged 65-74 is projected to decrease from approximately 65 million in 2020 to about 40 million in 2050.

Year	65-74 (Millions)	75+ (Millions)	Total (Millions)
2020	65	35	100
2030	60	35	95
2040	55	35	90
2050	40	45	85

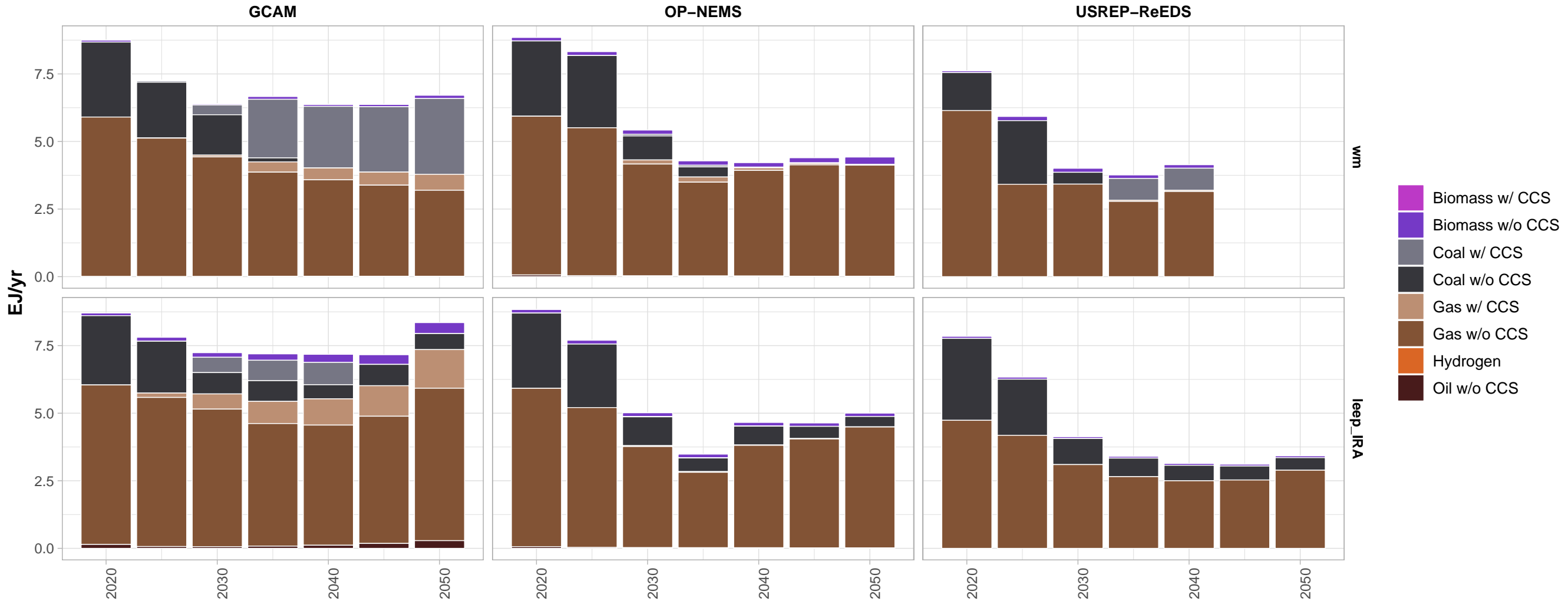
leep\_IRA

- Biomass w/ CCS
- Biomass w/o CCS
- Coal w/ CCS
- Coal w/o CCS
- Gas w/ CCS
- Gas w/o CCS
- Oil w/o CCS

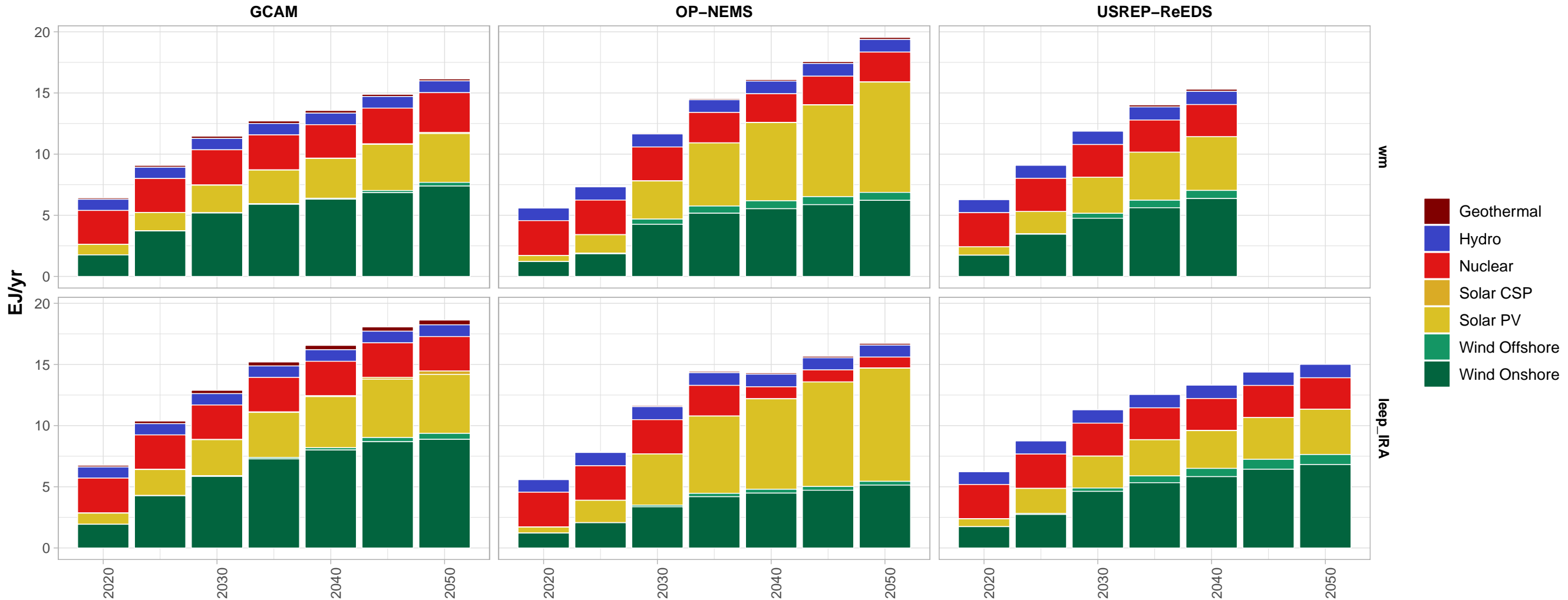
Electricity Capacity – Non-Combustion: United States



# Electricity Generation – Combustion: United States

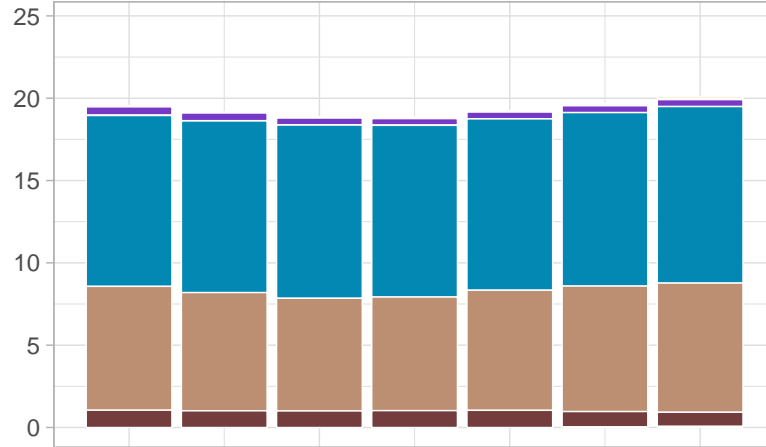


# Electricity Generation – Non-Combustion: United States

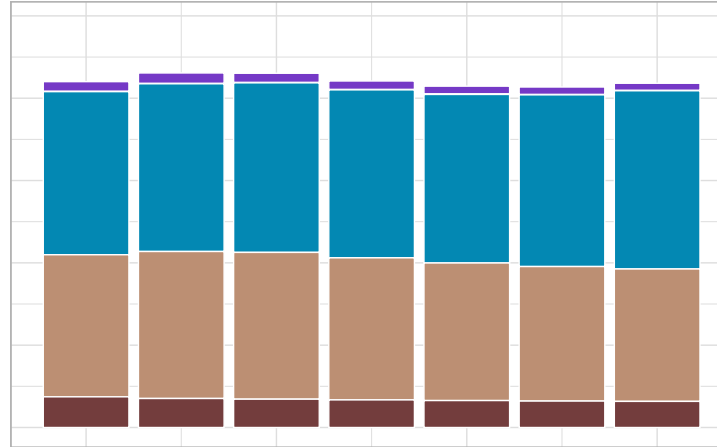


# Final Energy – Buildings: United States

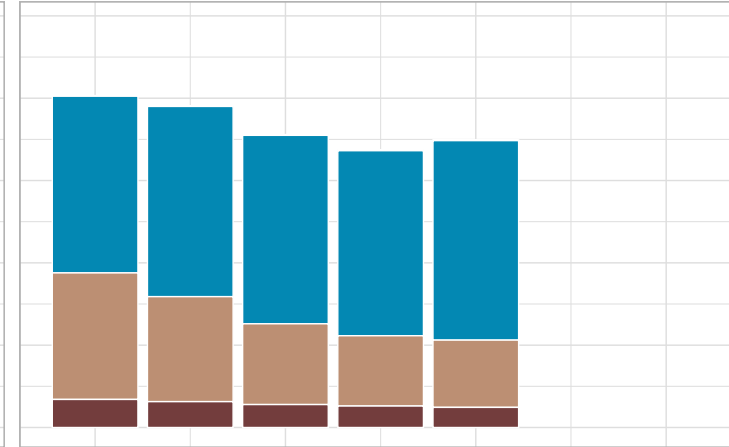
## GCAM



## OP-NEMS



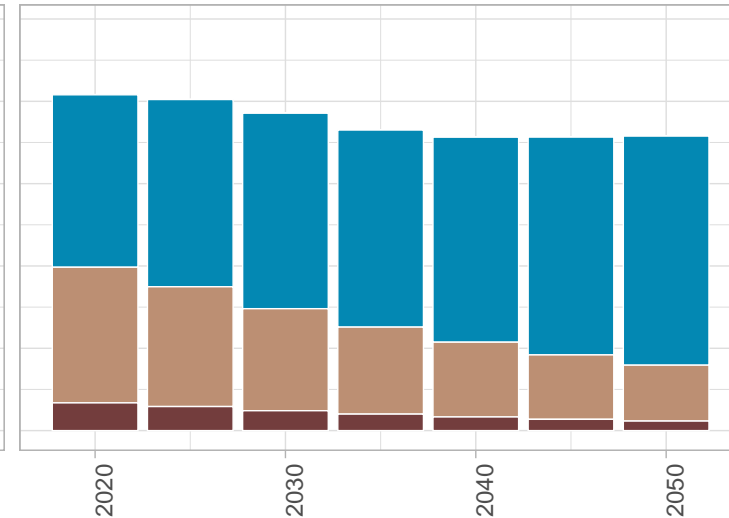
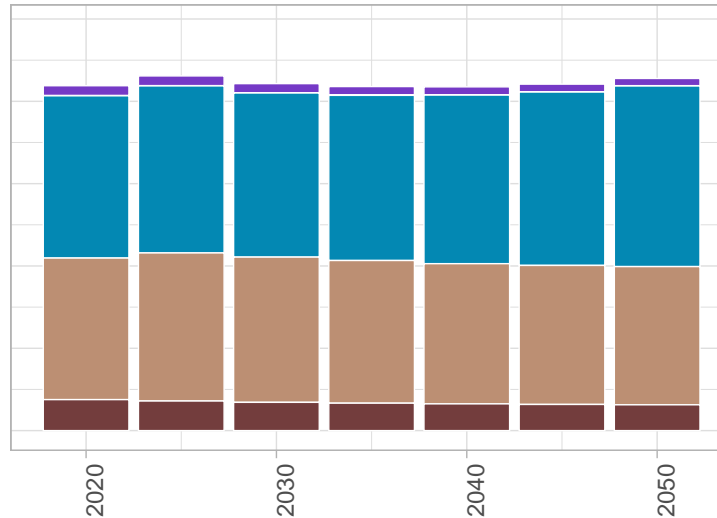
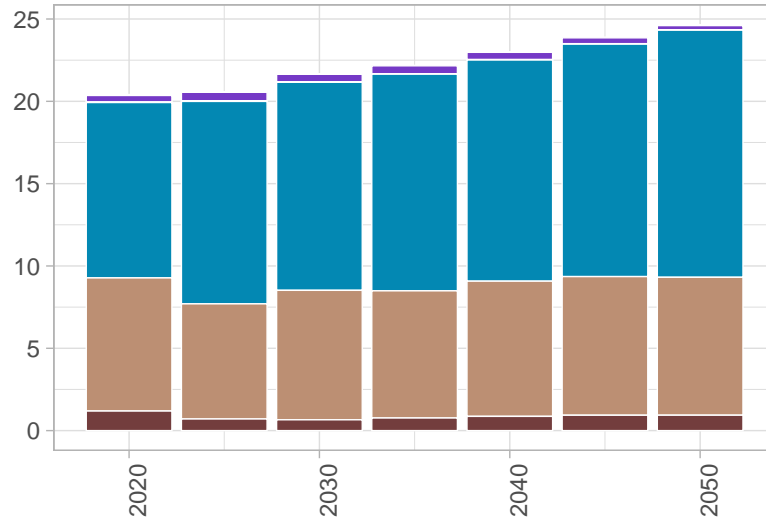
## USREP-ReEDS



wm

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

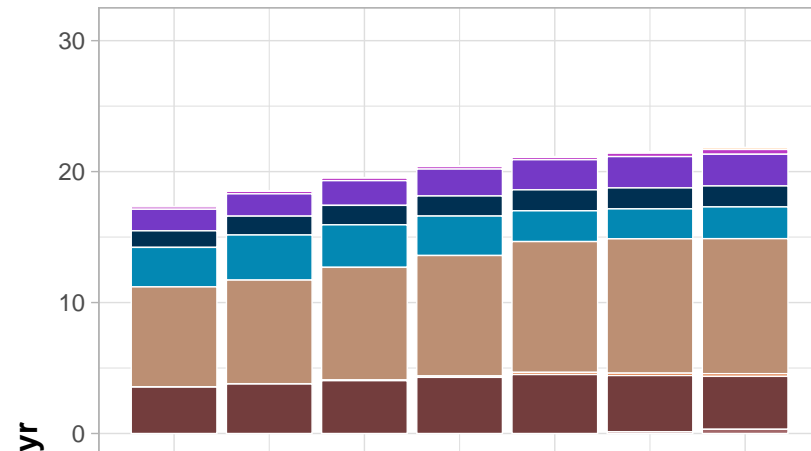
leap\_IRA



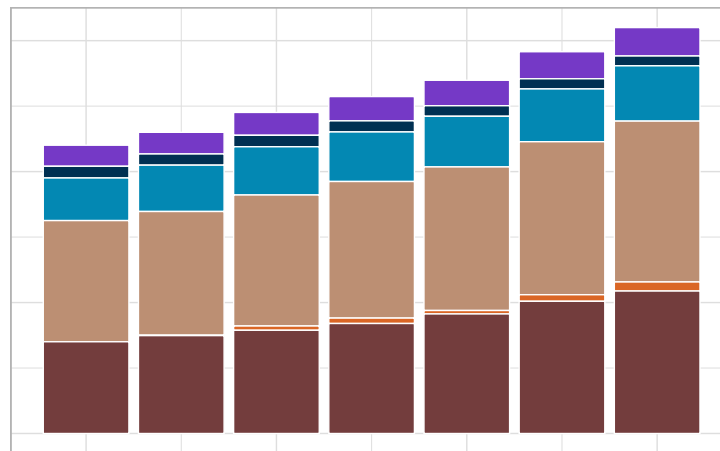


# Final Energy – Industry: United States

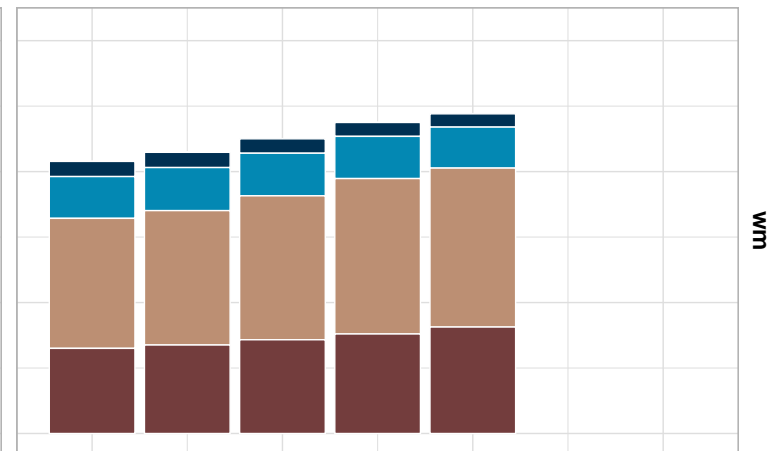
## GCAM



## OP-NEMS



## USREP-ReEDS



EJ/yr

wm

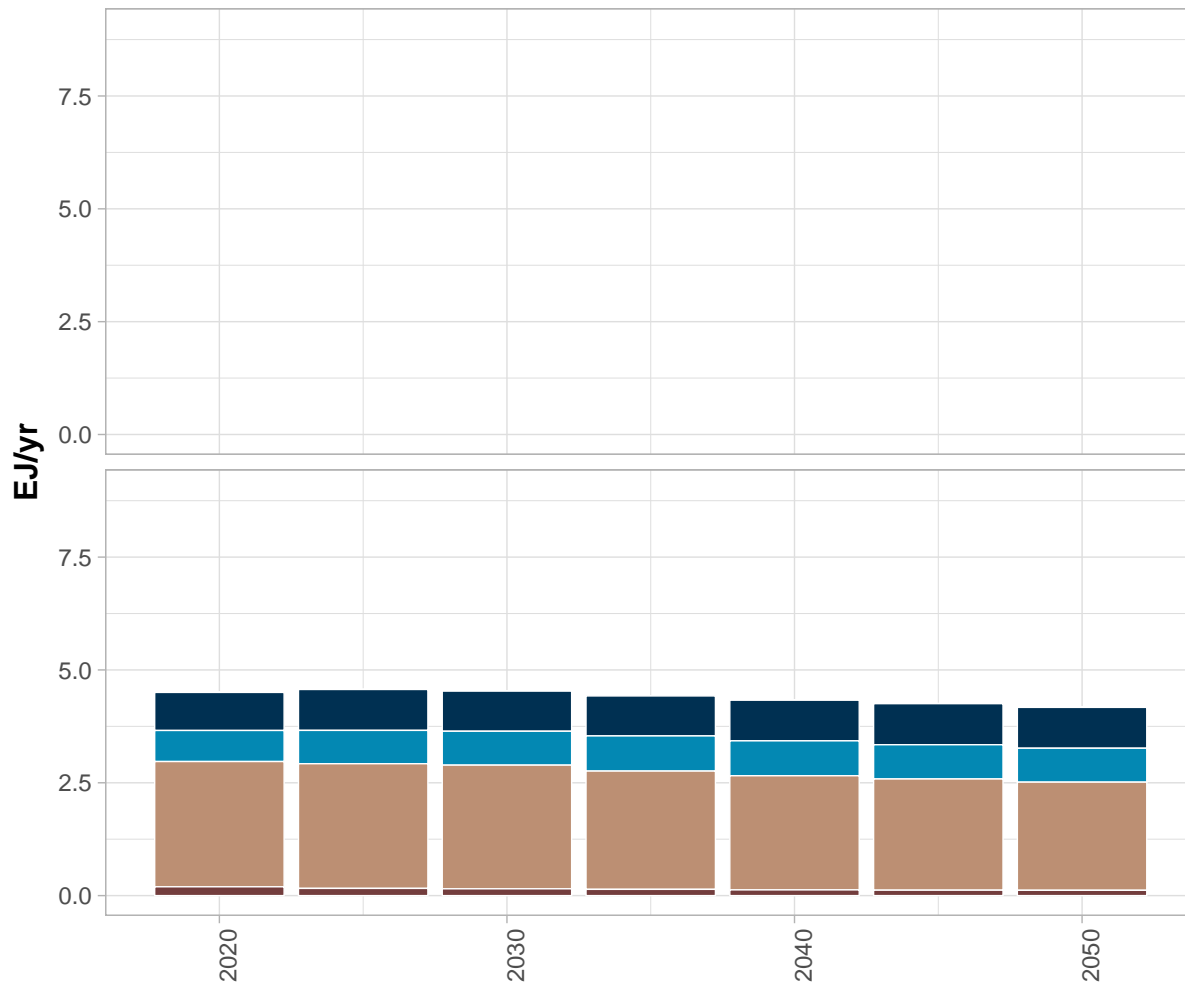
leap\_IRA

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

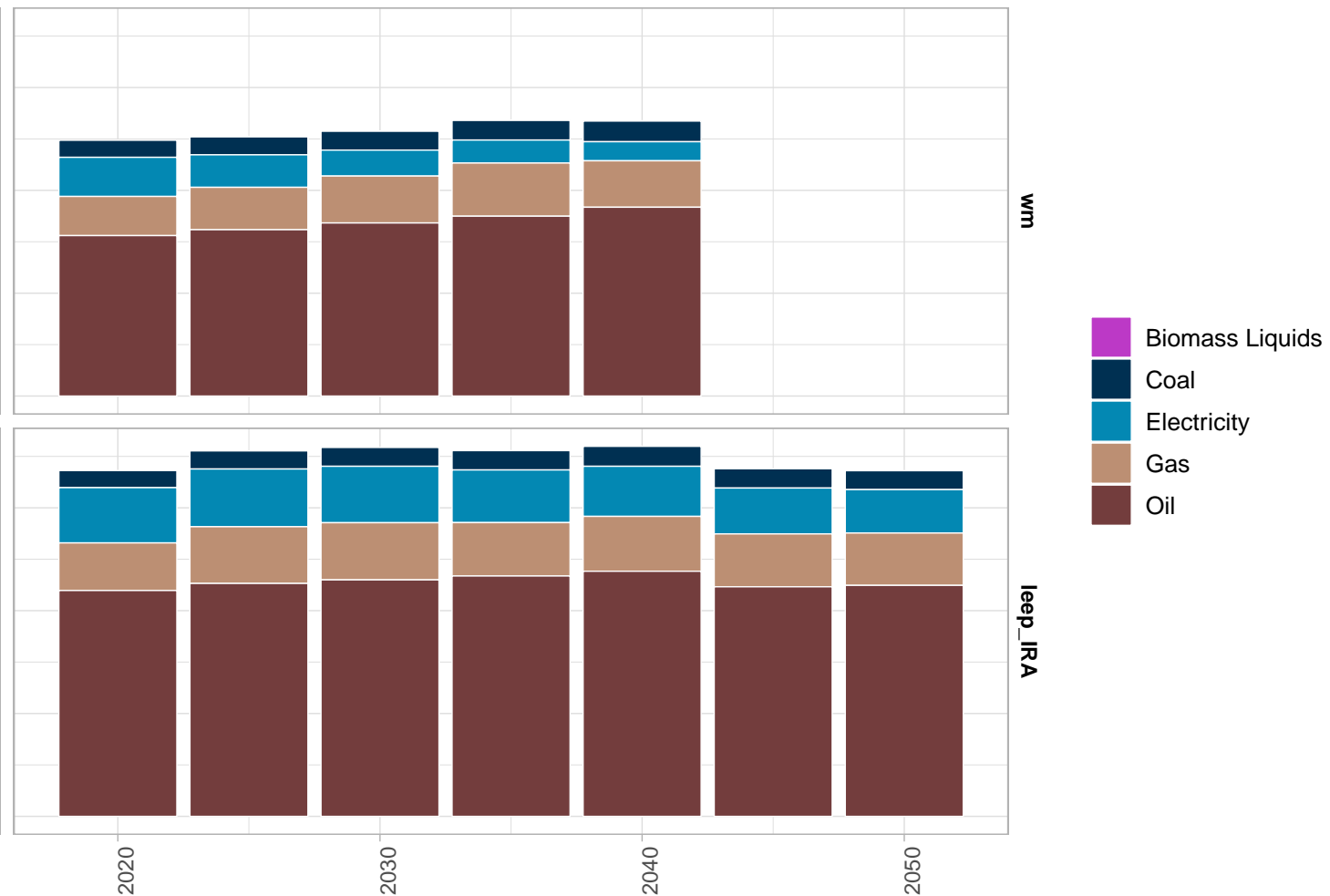
2020 2030 2040 2050

# Final Energy – Industry – Elnt Mfg: United States

GCAM

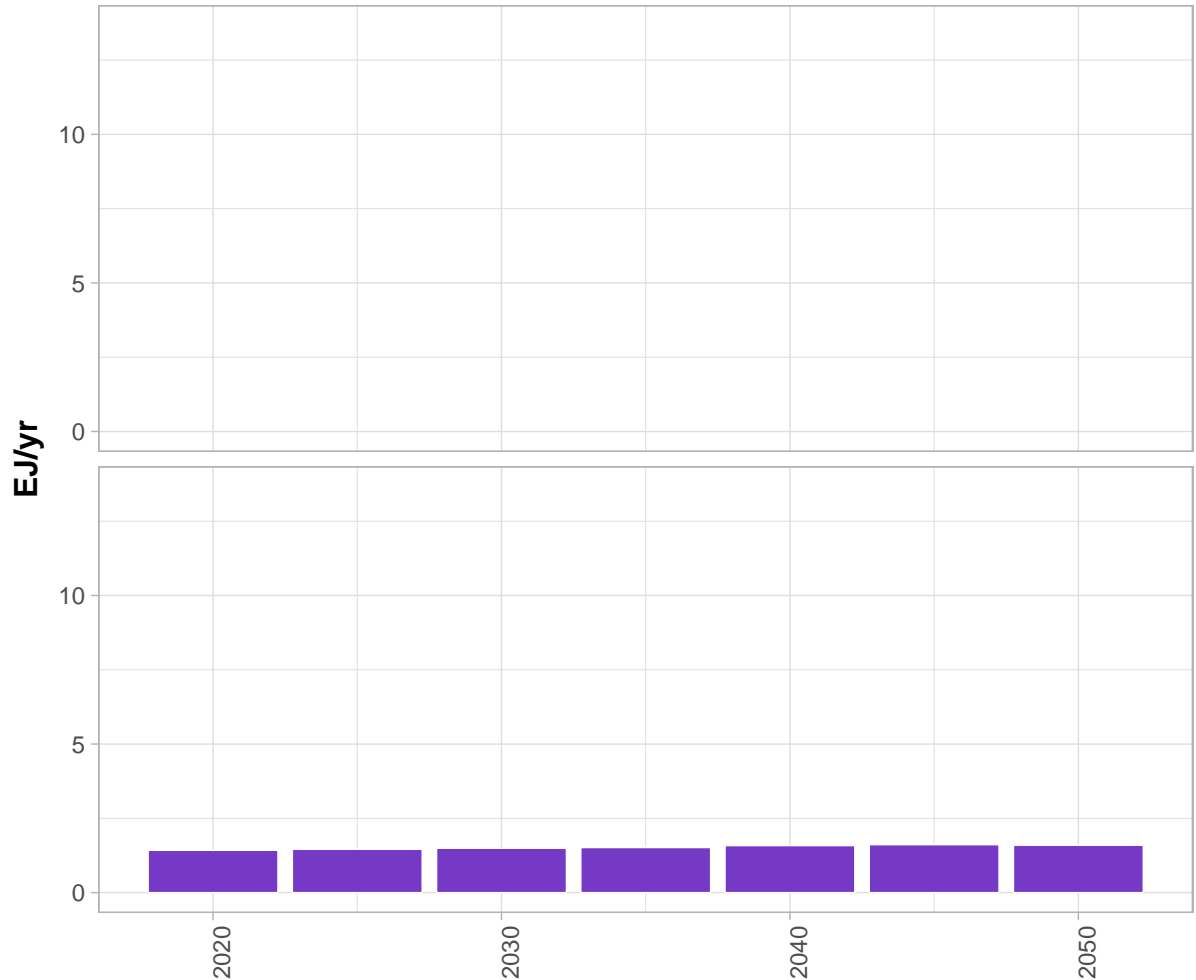


USREP-ReEDS

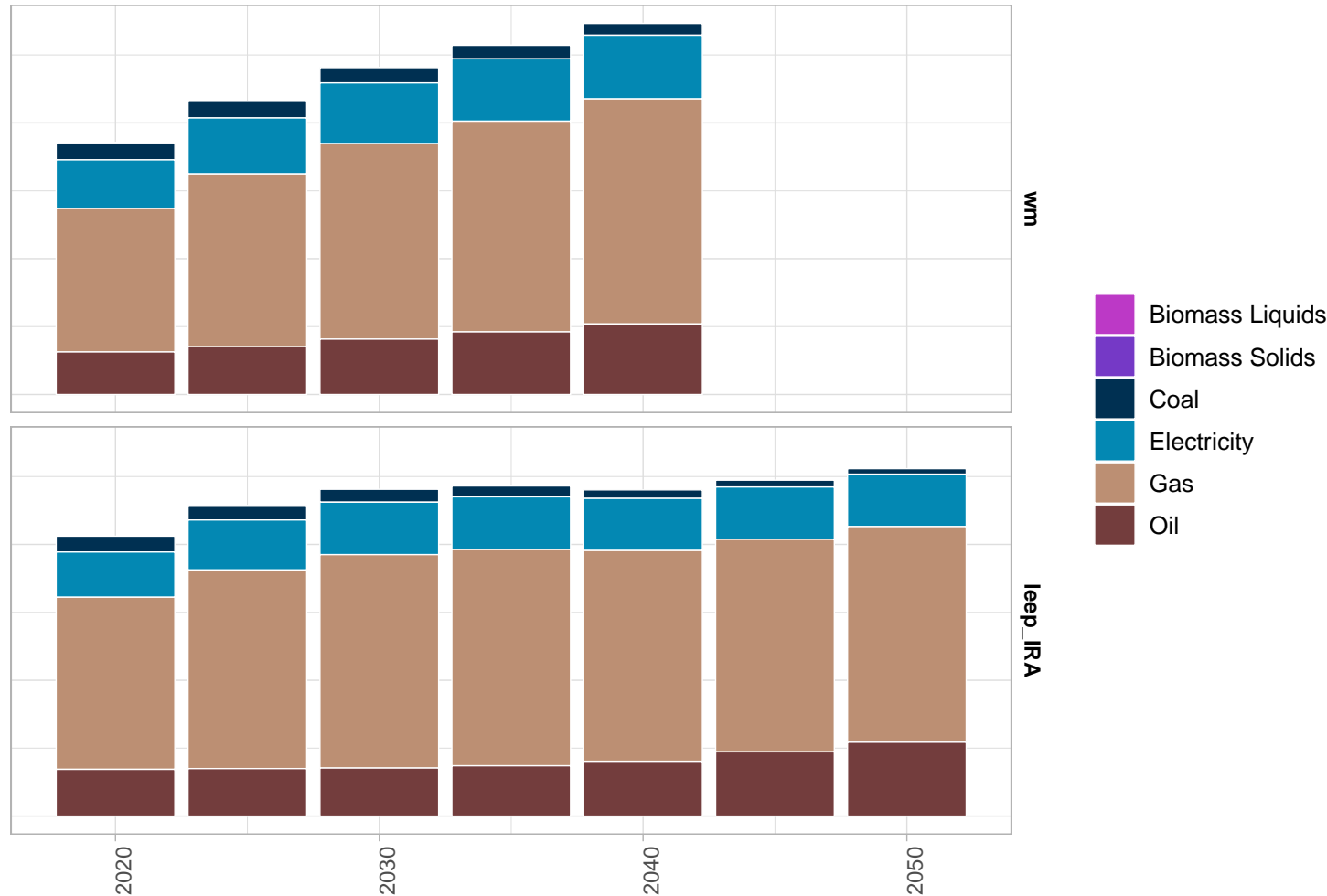


# Final Energy – Industry – Non-EInt Mfg: United States

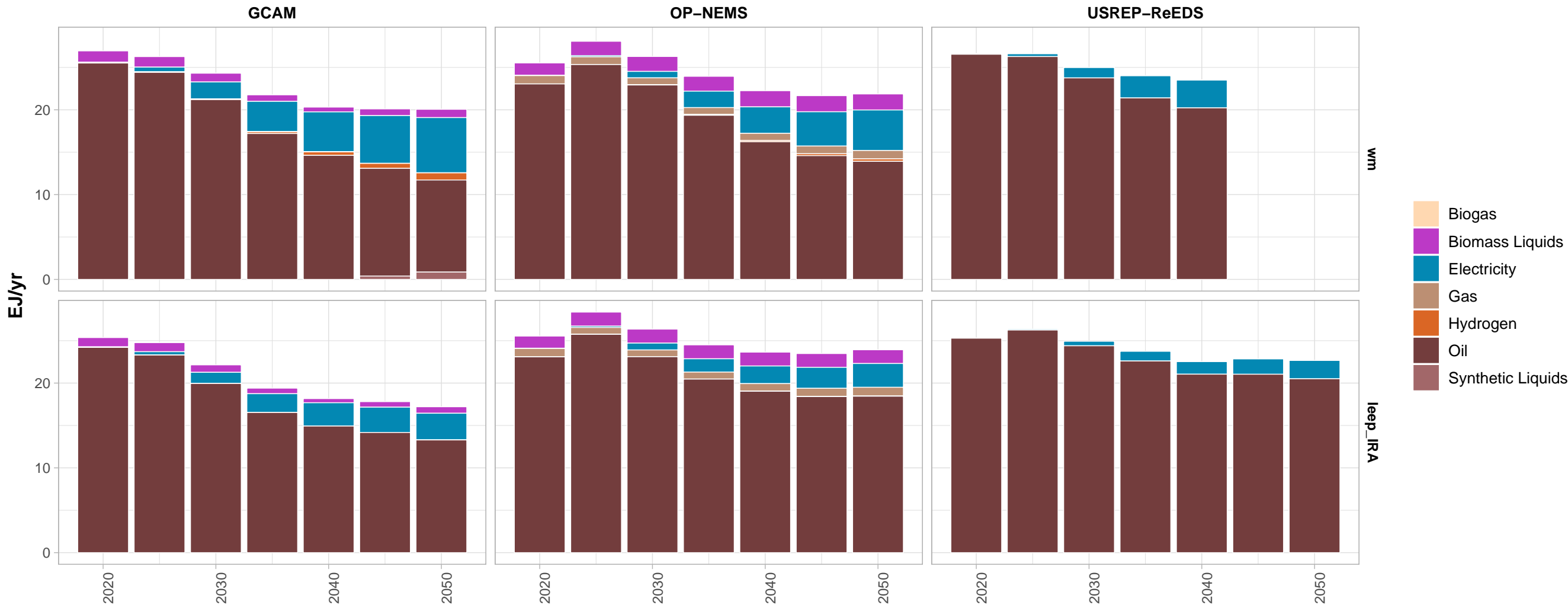
GCAM



USREP-ReEDS

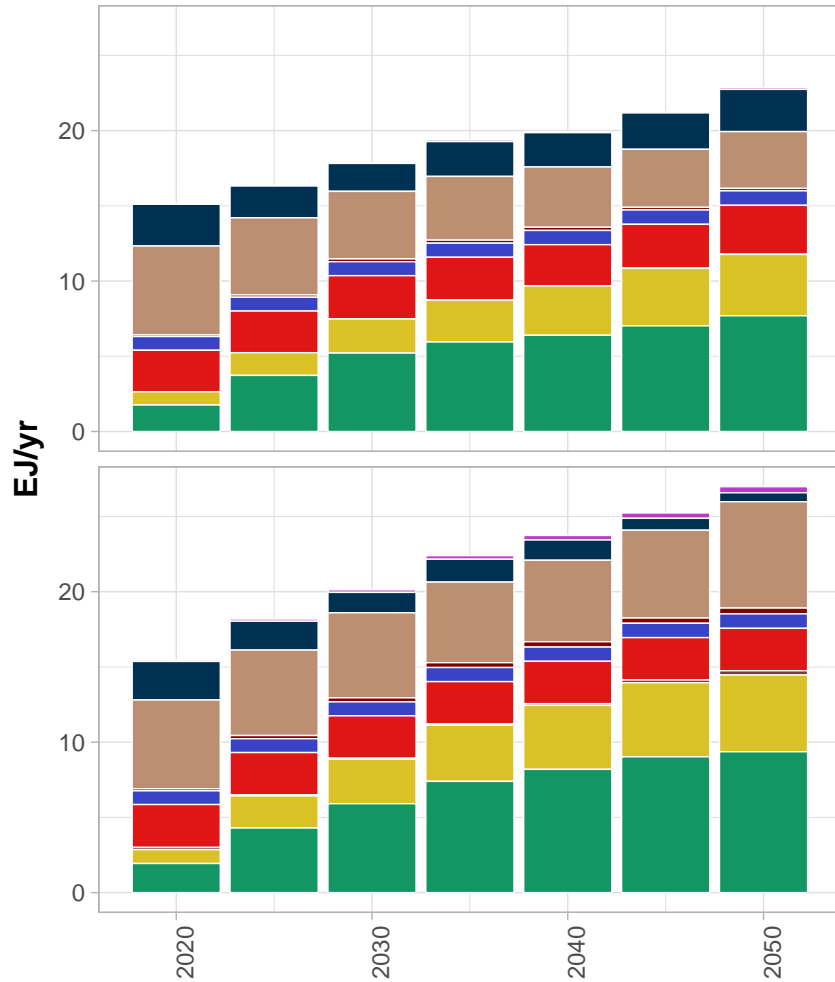


# Final Energy – Transportation: United States

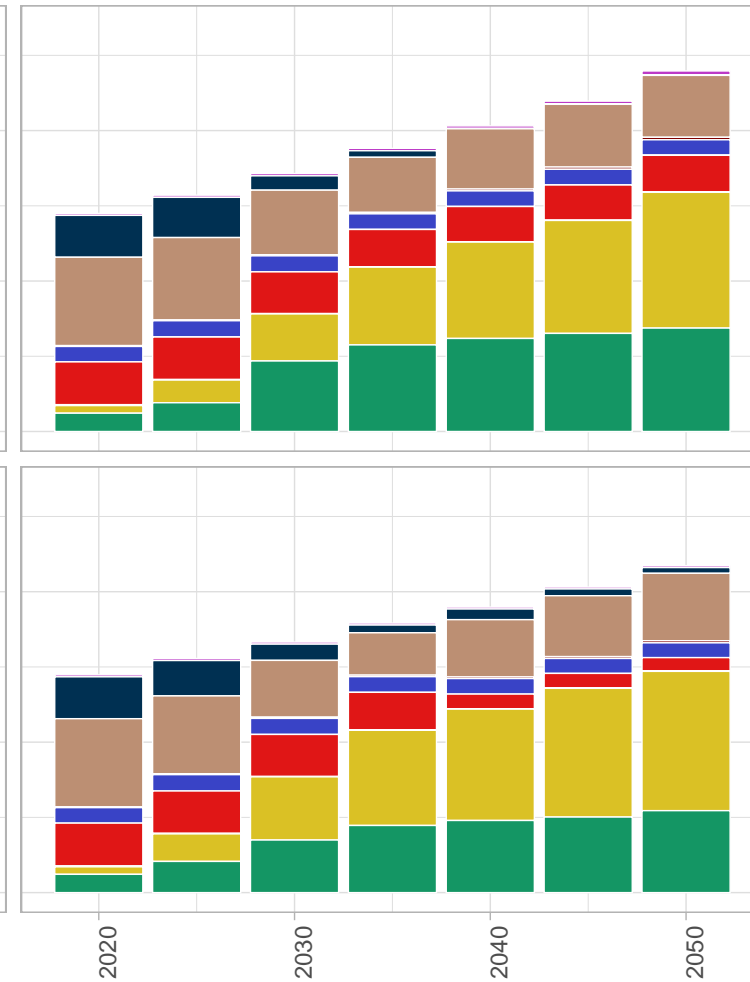


# Electricity Generation: United States

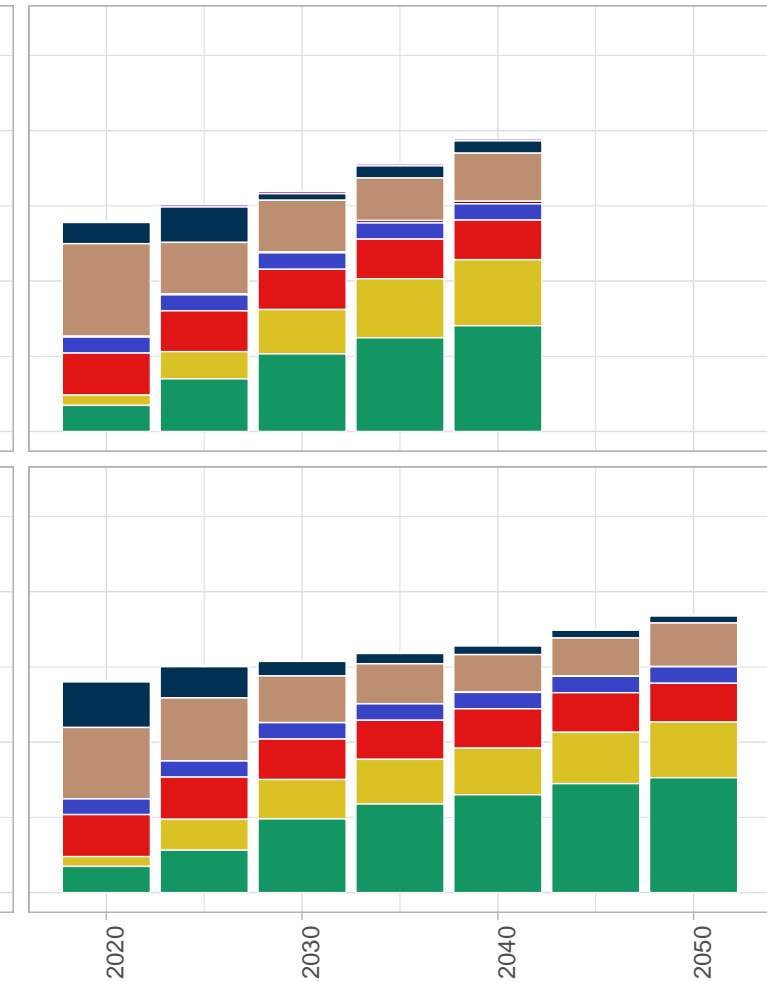
## GCAM



## OP-NEMS



## USREP-ReEDS



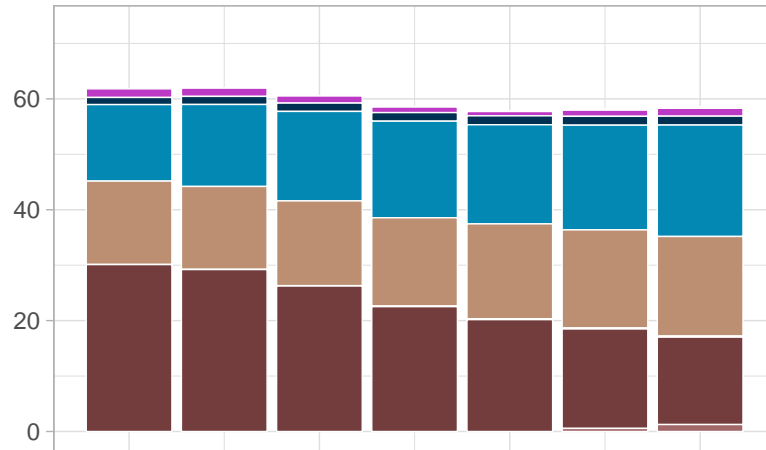
wm

leap\_IRA

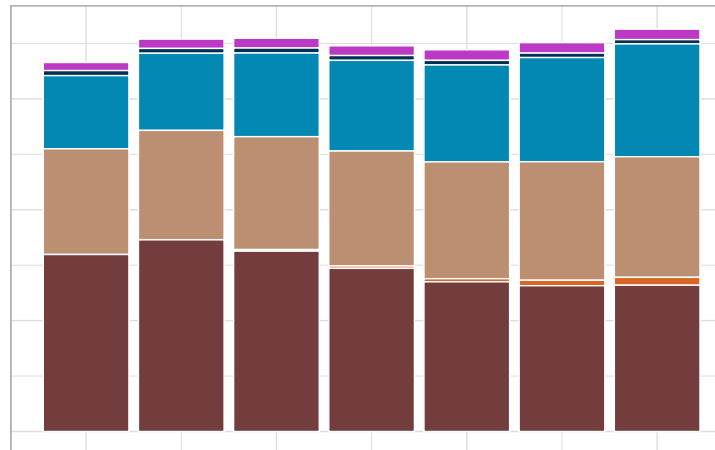
- Biomass
- Coal
- Gas
- Geothermal
- Hydro
- Hydrogen
- Nuclear
- Oil
- Solar
- Wind

# Final Energy – Fuel: United States

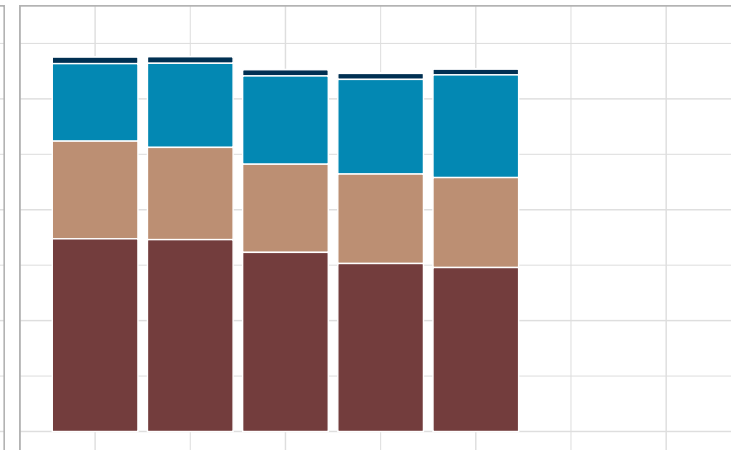
GCAM



OP-NEMS



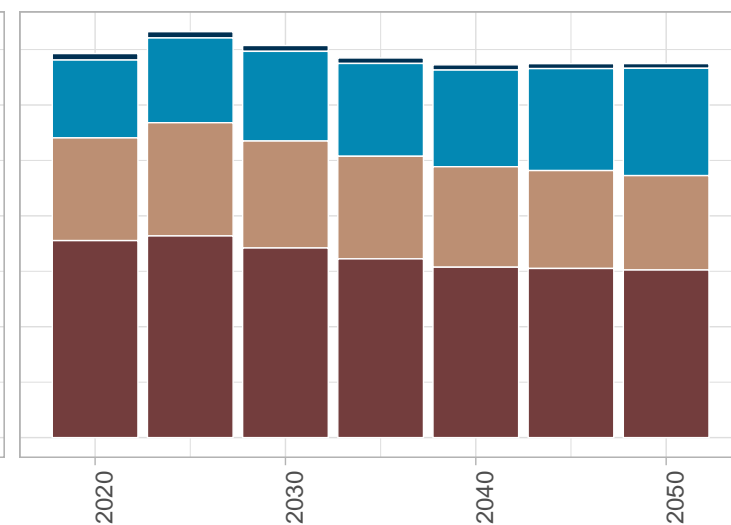
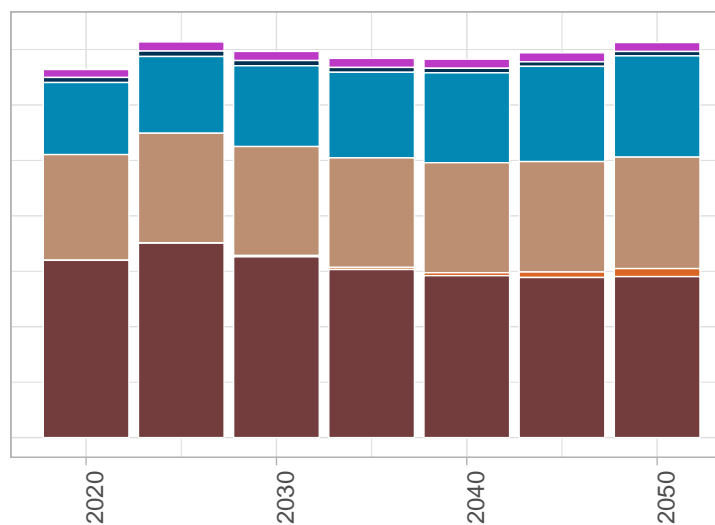
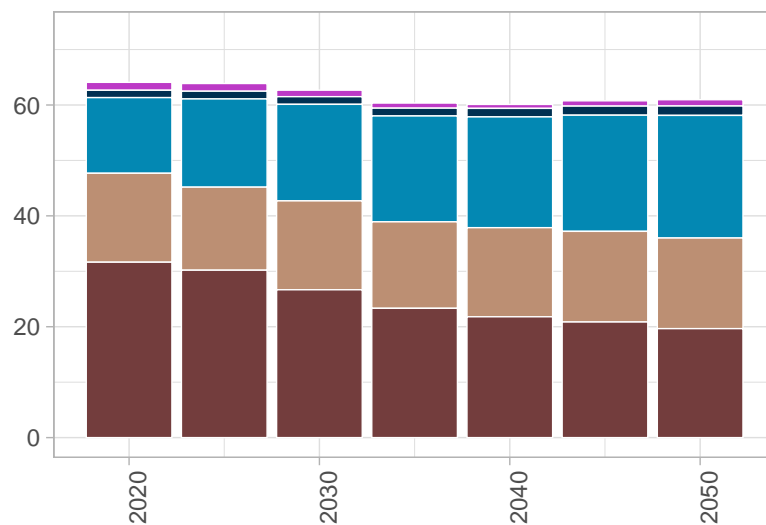
USREP-ReEDS



wm

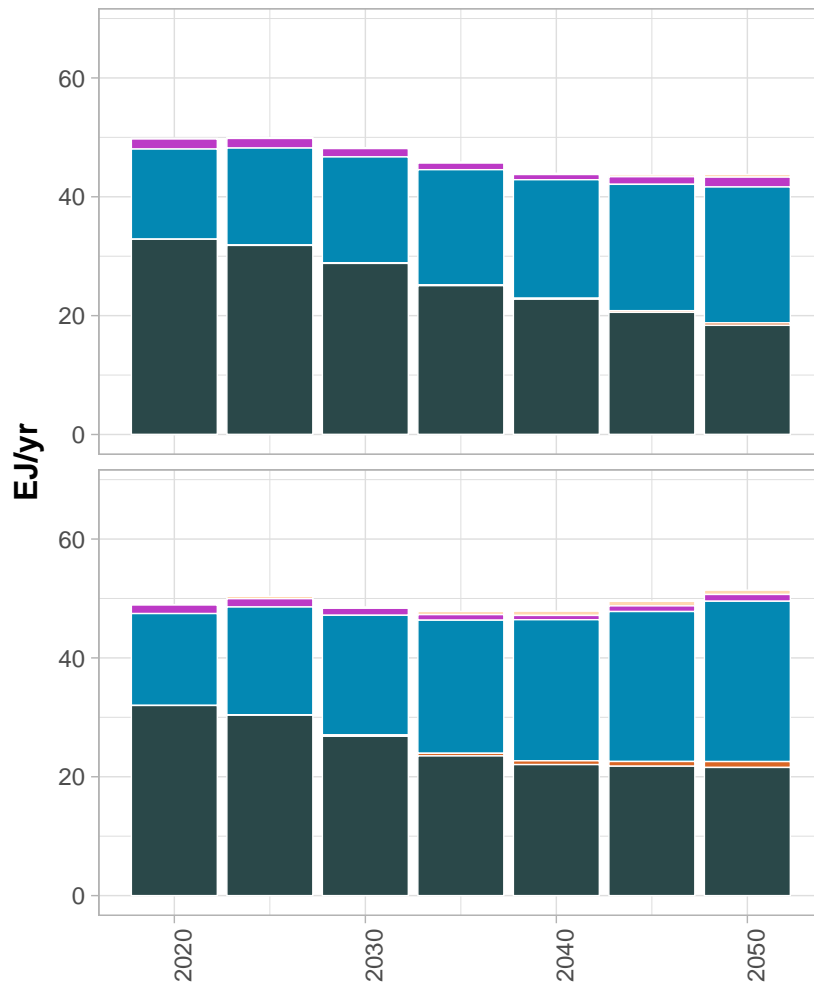
- Biogas
- Biomass Liquids
- Coal
- Electricity
- Gas
- Hydrogen
- Oil
- Synthetic Liquids

leap\_IRA

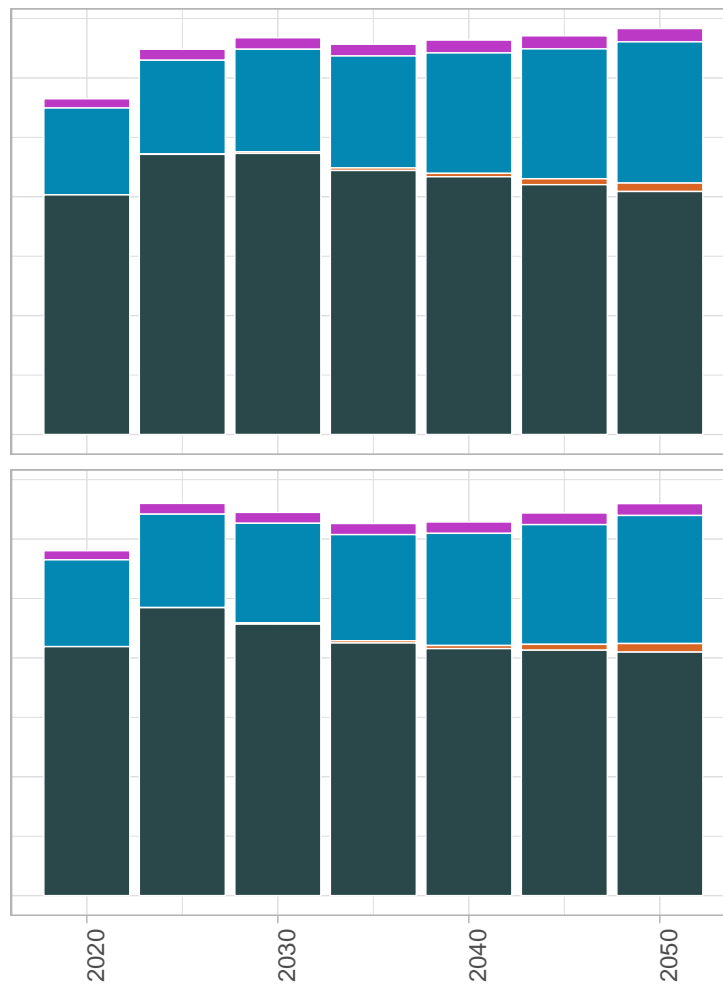


# Secondary Energy: United States

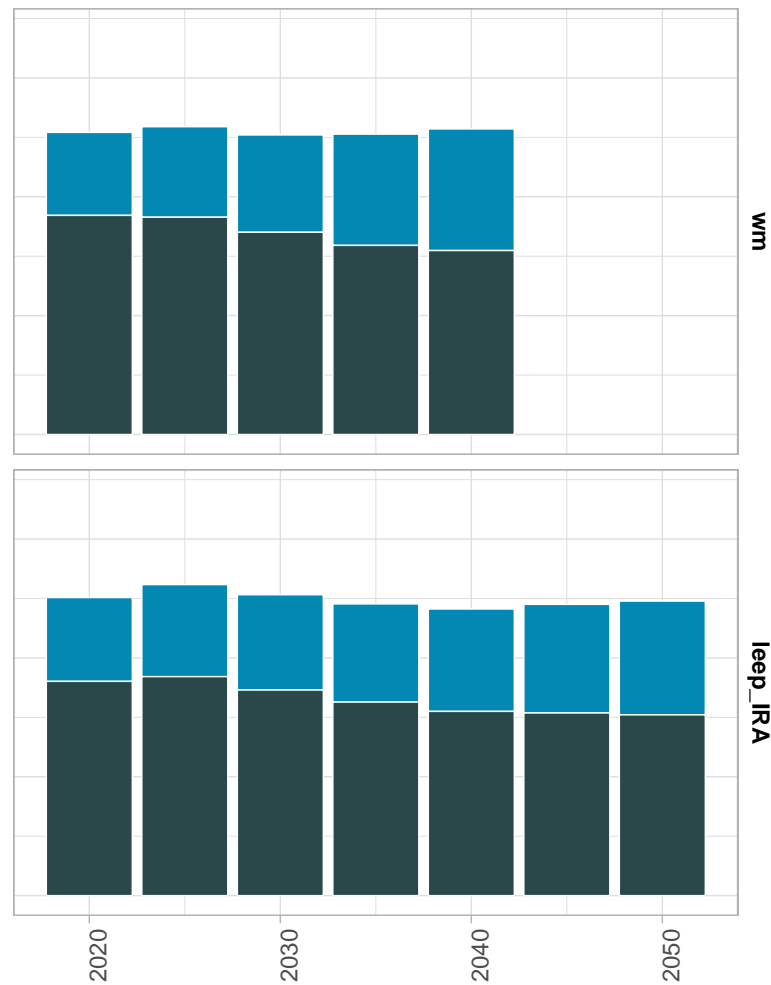
## GCAM



## OP-NEMS

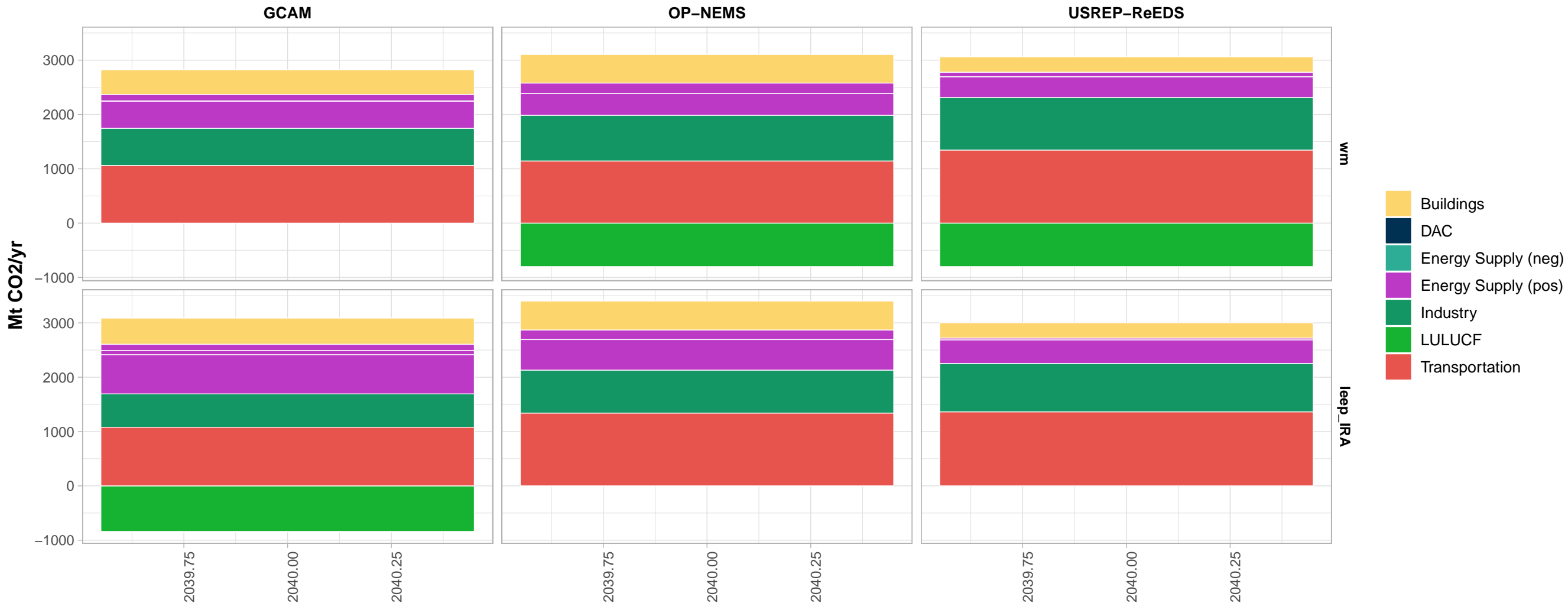


## USREP-ReEDS



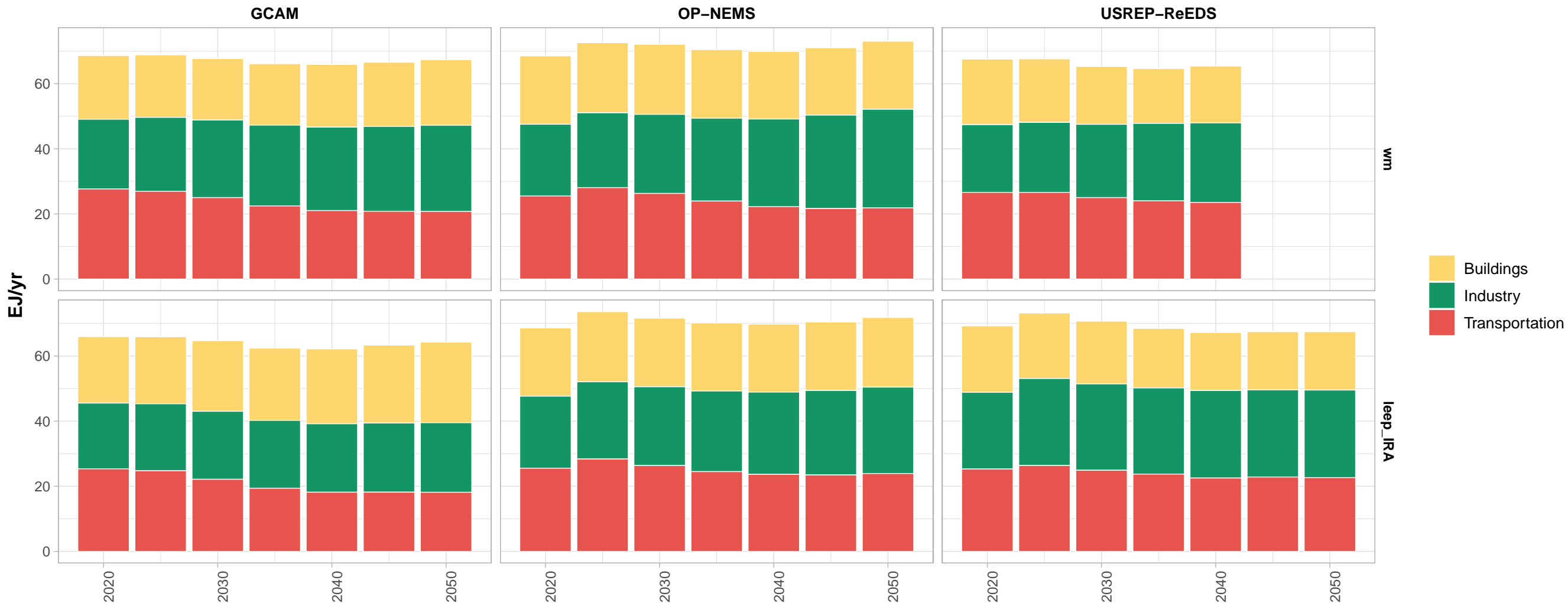
- Biogas
- Biomass Liquids
- Electricity
- Hydrogen
- Refining
- Synthetic Gas

# Sectoral CO2 Emissions (2040): United States

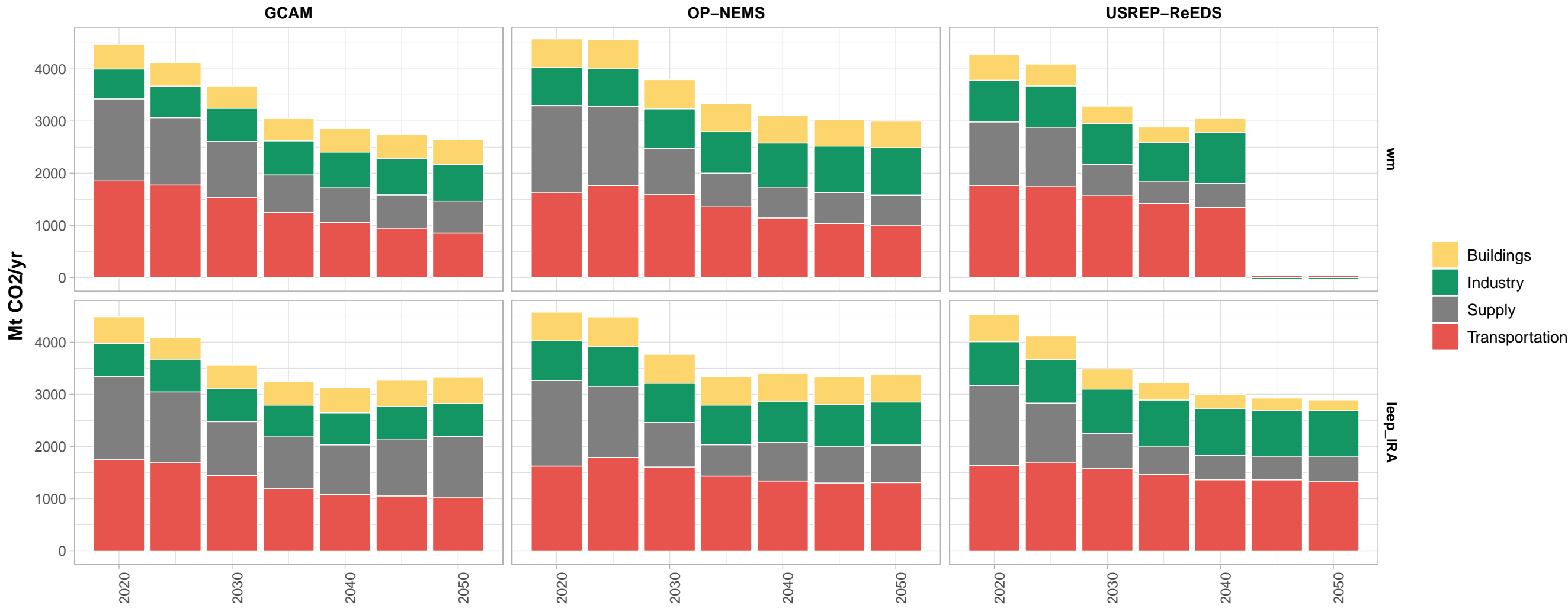




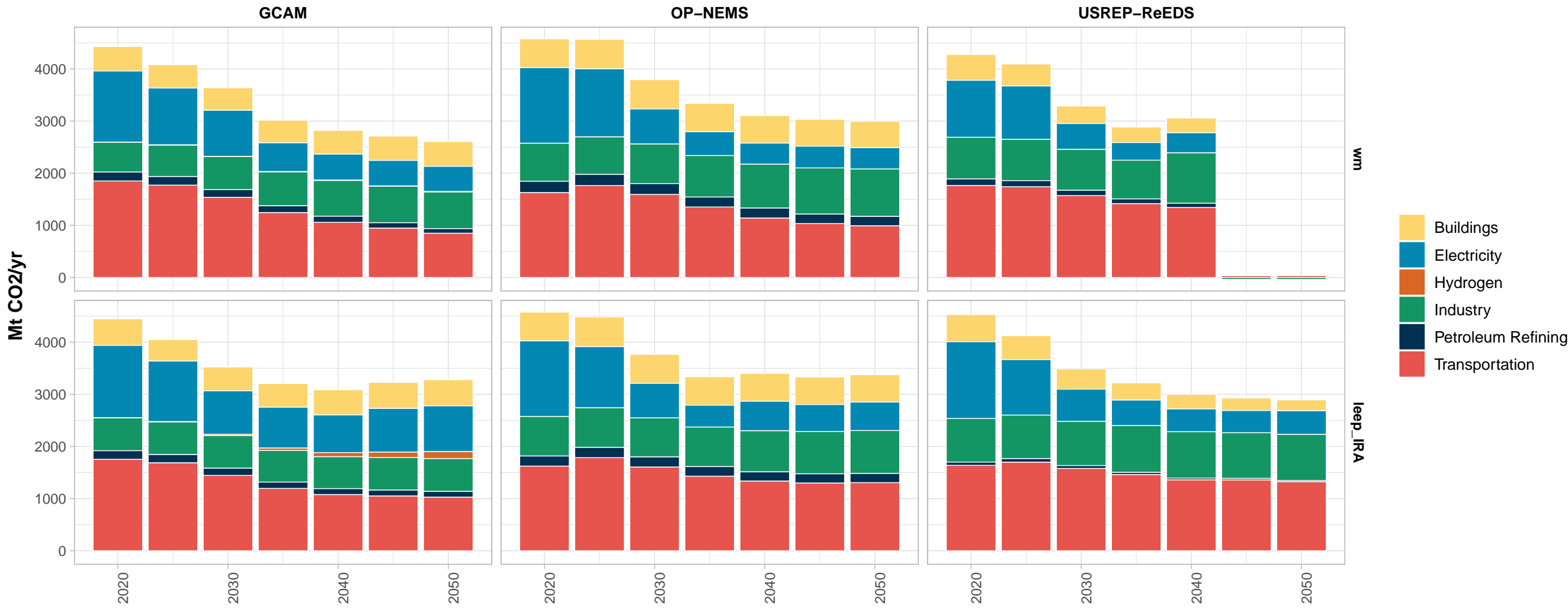
# Final Energy – Sector: United States



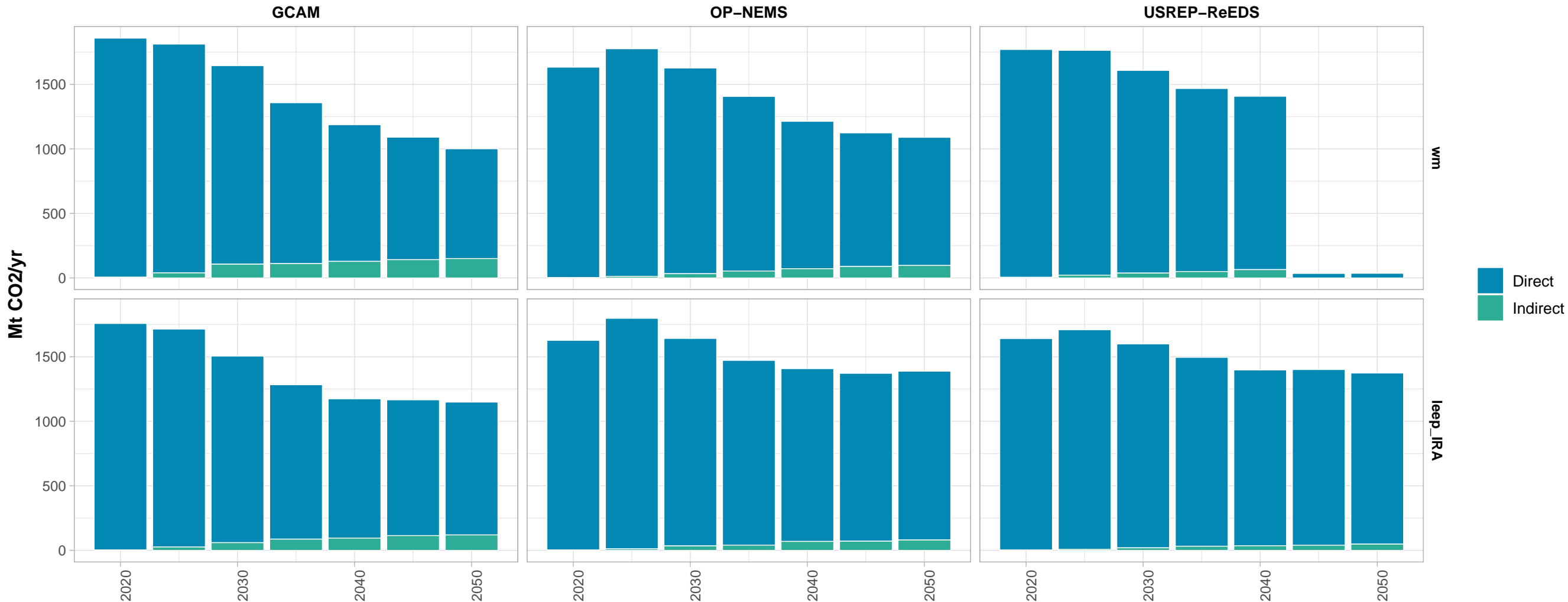
Energy CO2 Emissions Accounting – total supply: United States



# Energy CO2 Emissions Accounting – supply breakout: United States

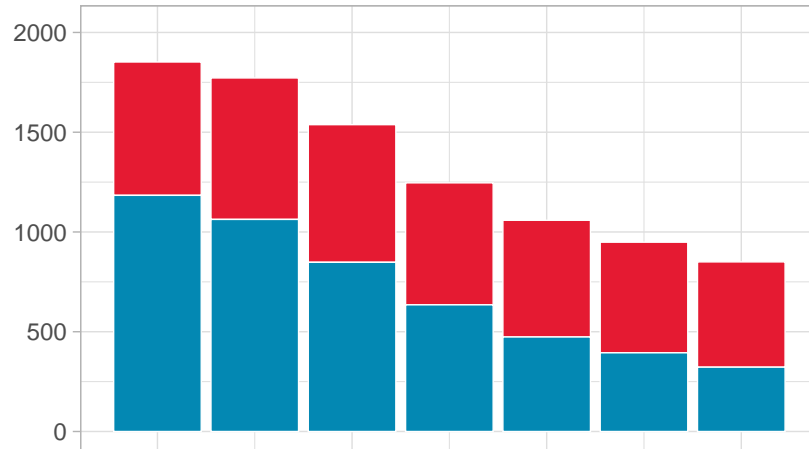


# TRN Direct and Indirect Emissions: United States

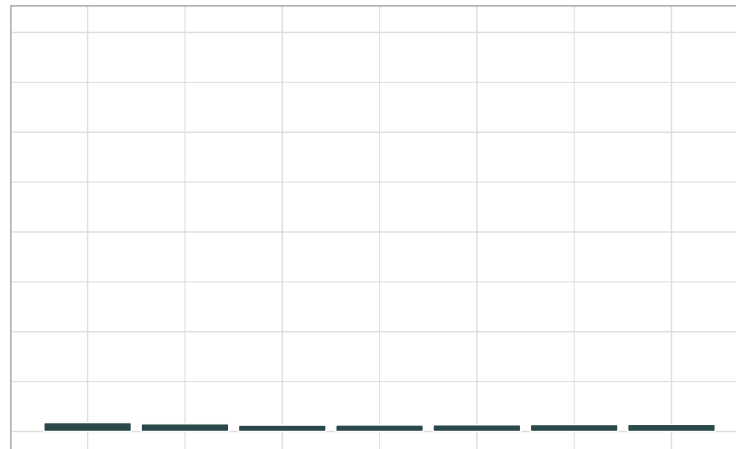


# TRN Mode Emissions: United States

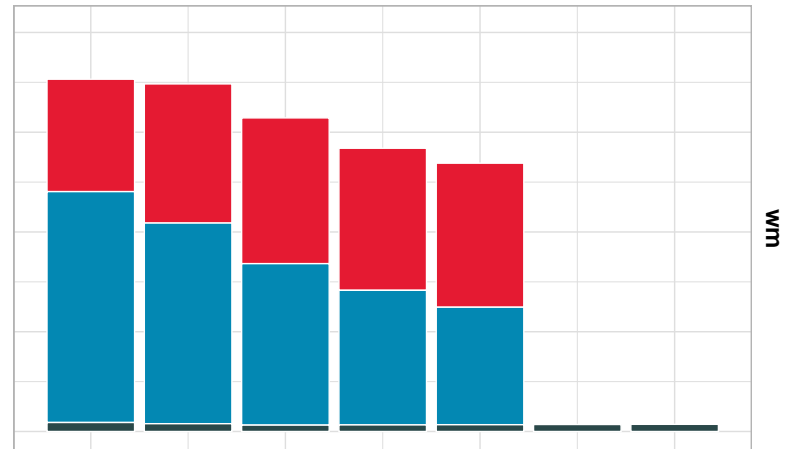
## GCAM



## OP-NEMS



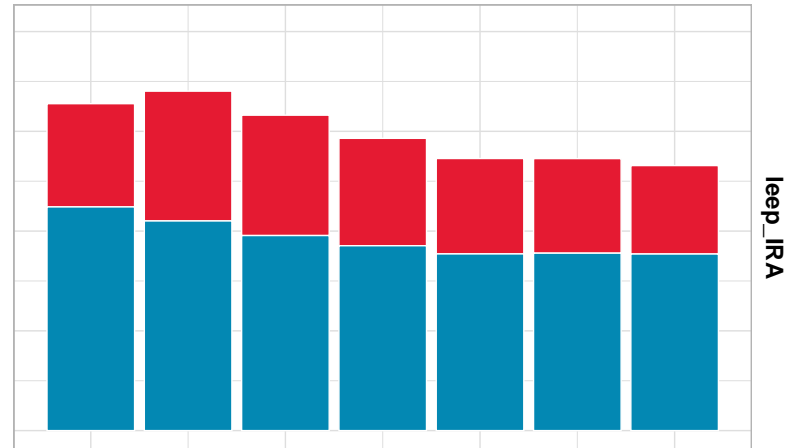
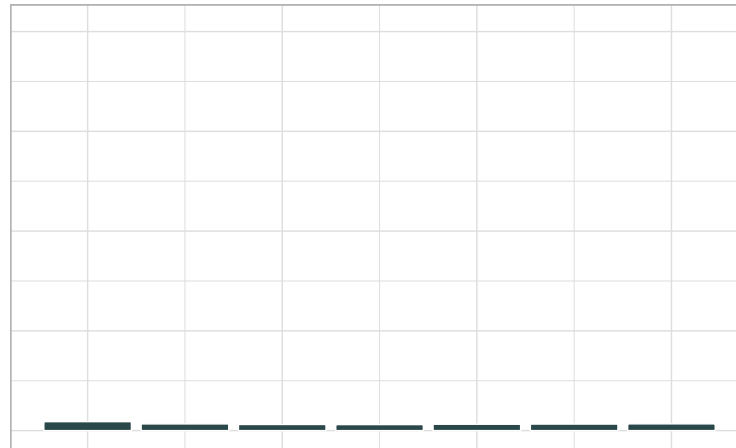
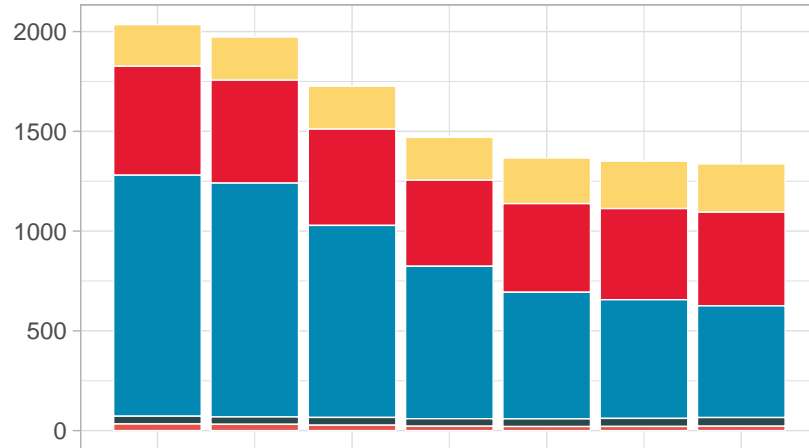
## USREP-ReEDS



wm

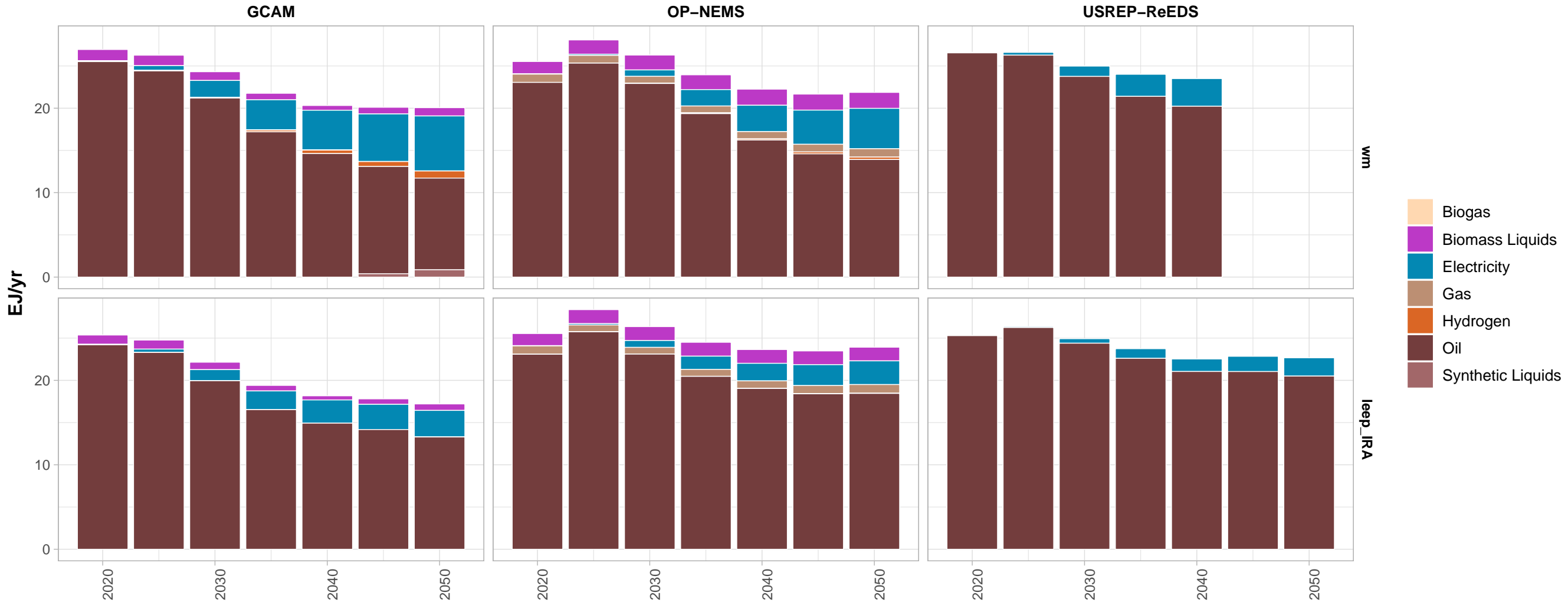
- Aviation
- Freight
- Passenger
- Pipeline
- Rail

Mt CO2/yr



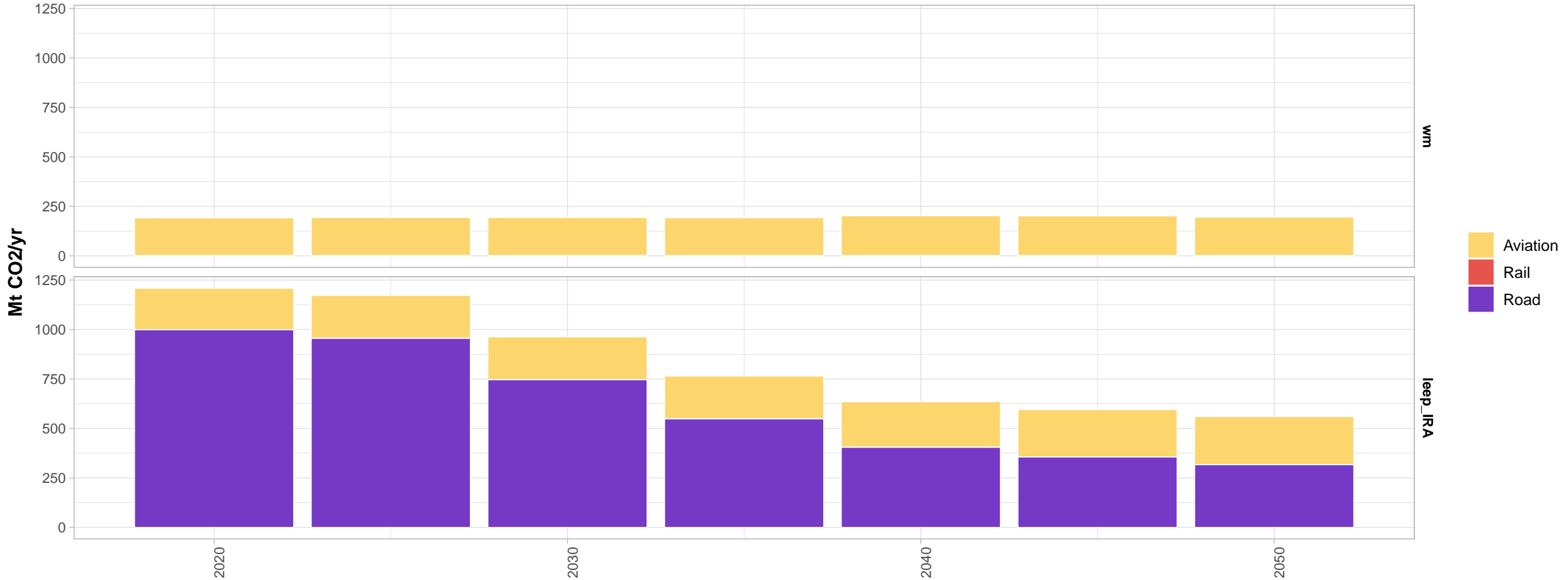
leap\_IRA

# TRN Energy by Fuel: United States



# TRN Passenger CO2 Emissions: United States

GCAM



# Energy CO2 Emissions by Fuel: United States

GCAM

OP-NEMS

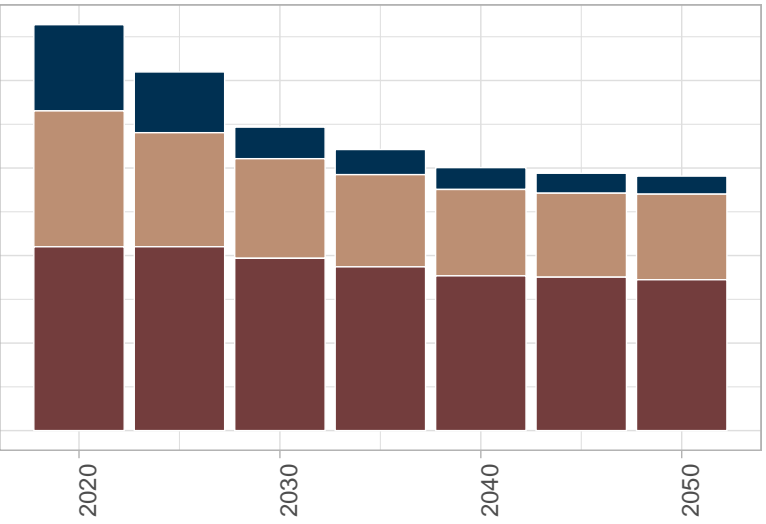
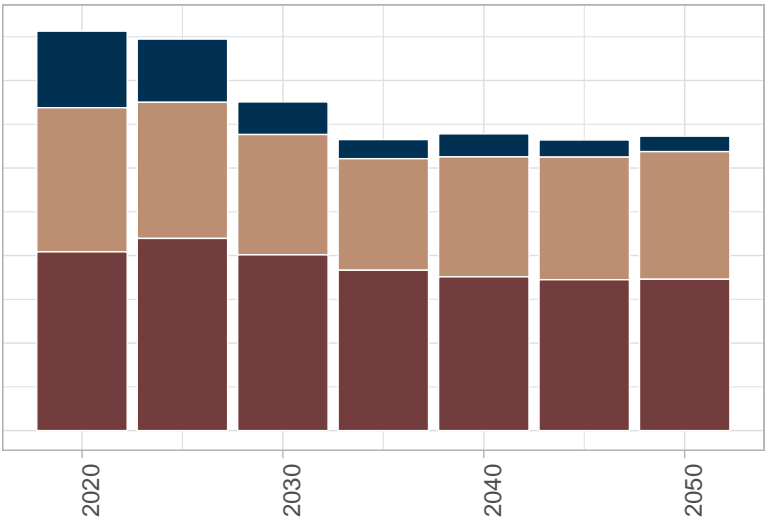
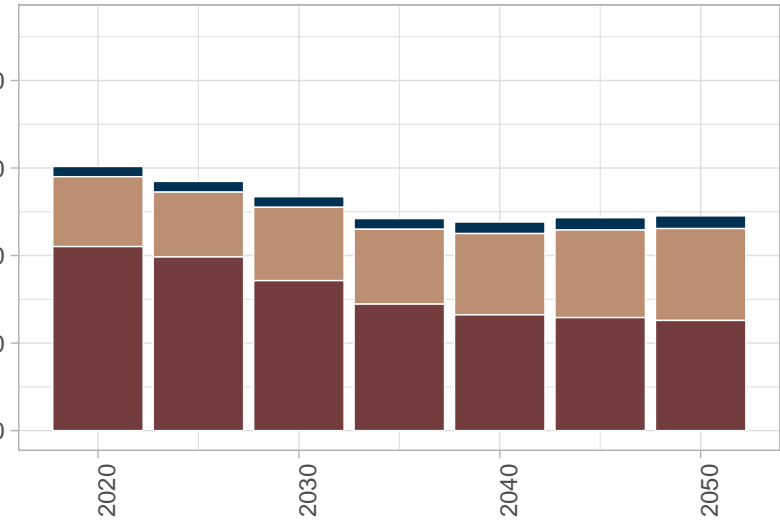
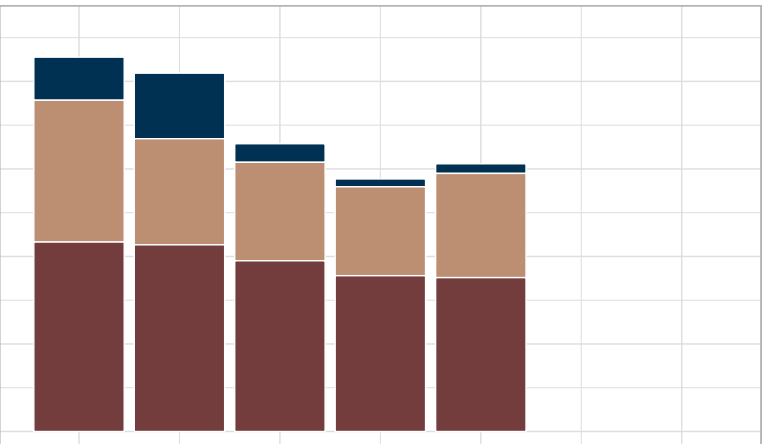
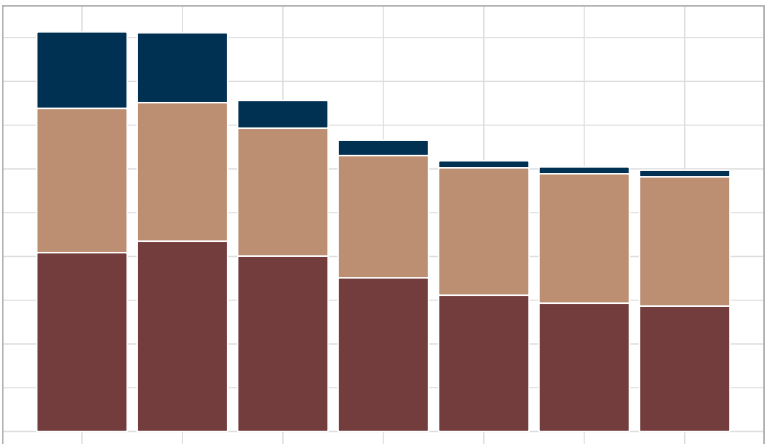
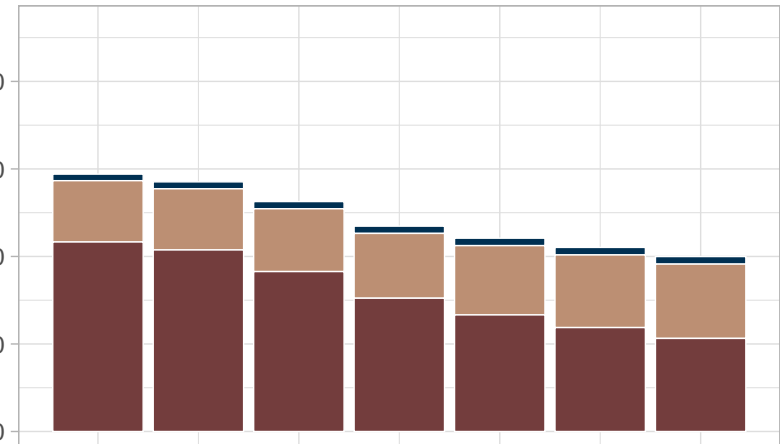
USREP-ReEDS

Mt CO2/yr

wm

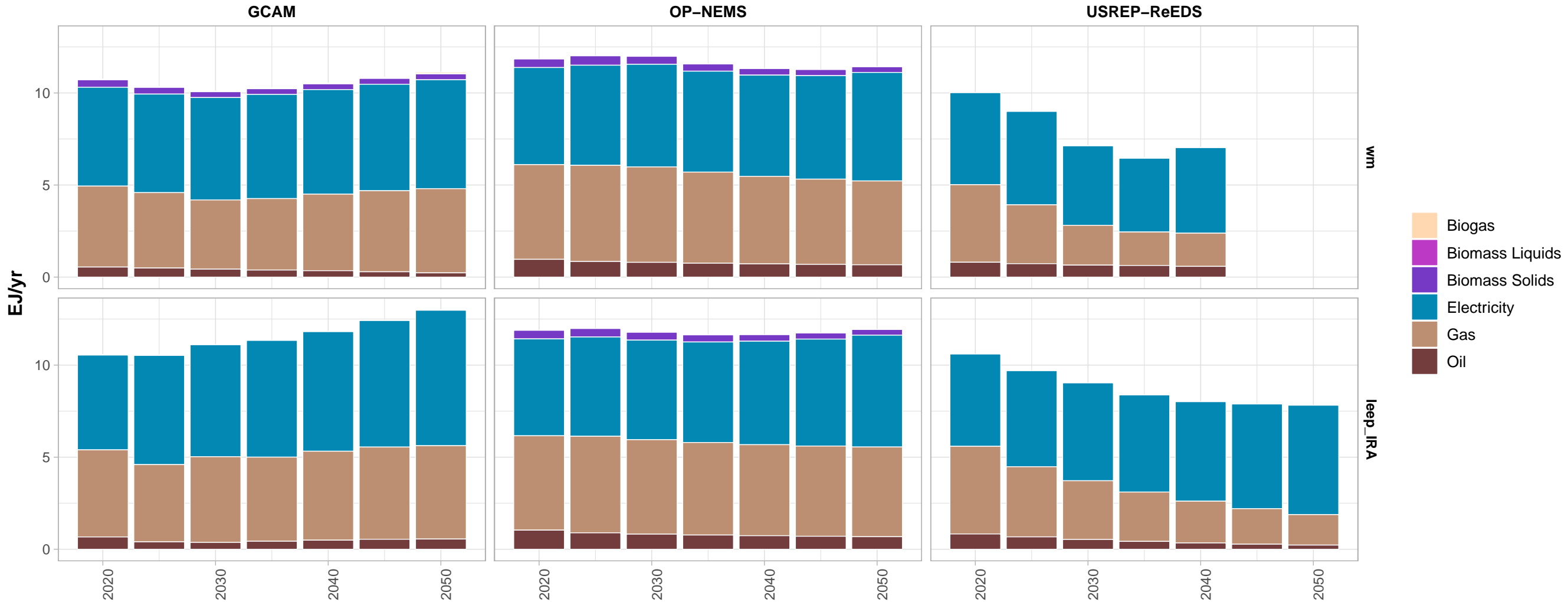
leap\_IRA

- Coal
- Gas
- Oil





# Final Energy – Buildings, Residential: United States



Final Energy – Buildings, Commercial: United States

