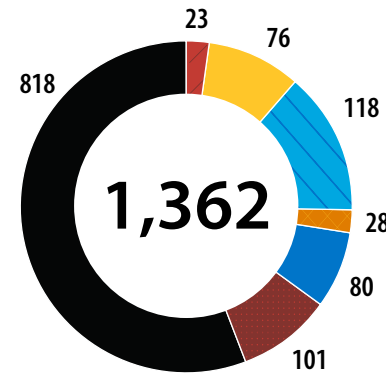


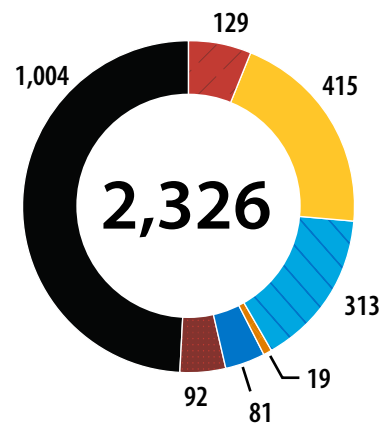
2020

Generation Capacity [GW]



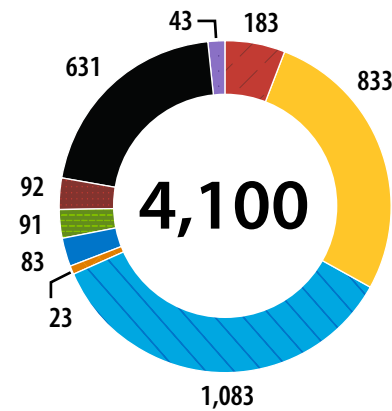
Reference

No new policies but includes accelerated electrification of transportation and end-use demand



All Options

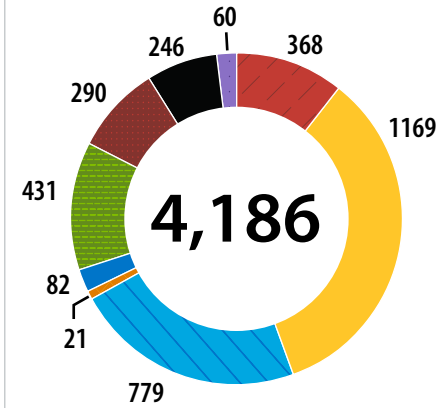
Cost and performance of all technologies improve, direct air capture becomes cost competitive



2035

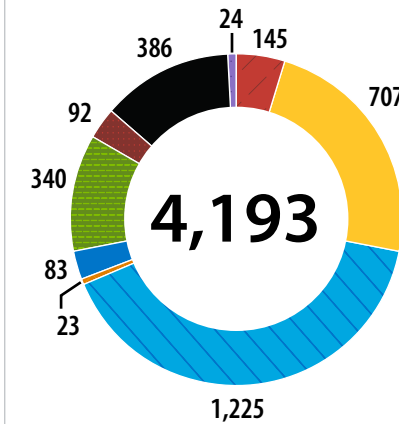
Constrained

Additional constraints limit deployment of new generation capacity and transmission



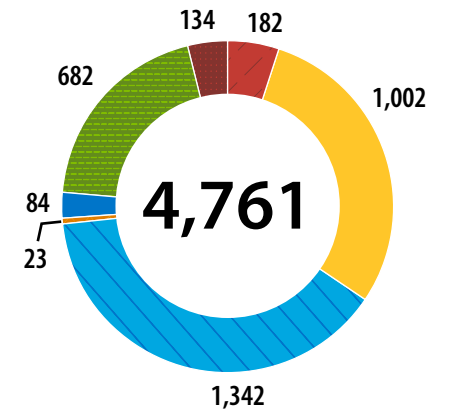
Infrastructure

Transmission technologies improve, new permitting/siting allow greater deployment with higher capacity



No CCS

Carbon capture and storage does not become cost competitive, no fossil fuel generation



Legend

Renewable Energy Sectors

- Storage
- Solar
- Wind
- Biopower, Geothermal, and Imports
- Hydropower
- Hydrogen (Seasonal Storage)
- Nuclear
- Fossil, no CCS
- Fossil and Bio, with CCS



Climate Benefit*

\$1,190

\$1,270

\$1,190

\$1,260



Human Health Benefit*

\$390

\$390

\$390

\$400



Additional System Cost*

-\$370

-\$740

-\$330

-\$400

Net Benefits*

\$1,210

\$920

\$1,250

\$1,260

*Measured in billions (USD)