

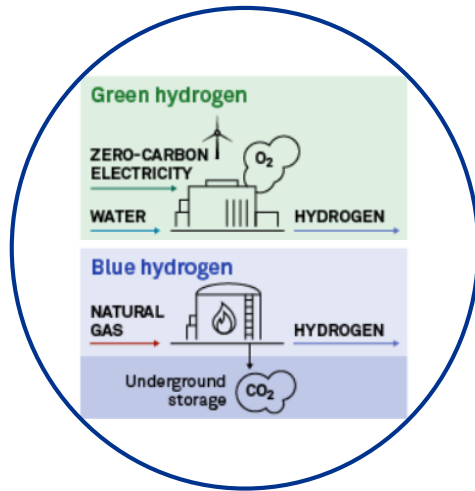
# Maximizing the Climate Benefits of Hydrogen

## Policy Implications

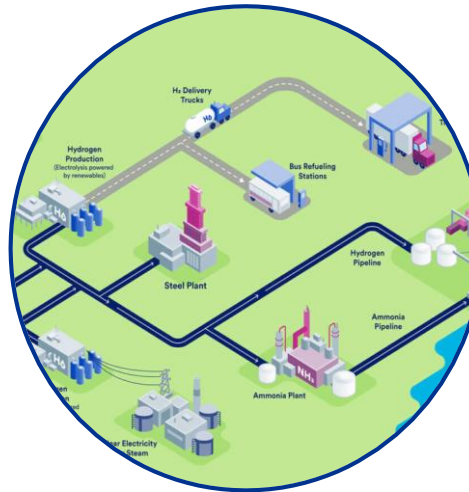
Morgan Rote

# Hydrogen Policy Landscape

## 45V PTC



## H2 Hubs



## RD&D

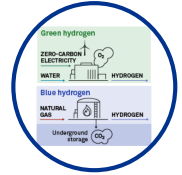


# Renewable Electricity Accounting

Electrolytic hydrogen projects must meet 3 criteria to prevent increasing overall grid emissions:

- New clean supply (additionality)
- Deliverability
- Hourly matching

45V PTC

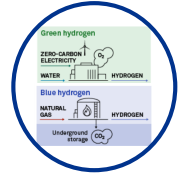


# Methane Emissions

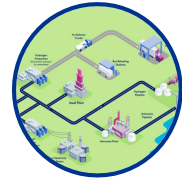
Fossil gas-derived hydrogen projects must meet rigorous criteria:

- More accurate nationwide estimates of methane leakage in 45V
- Move toward operator & basin-specific estimates
- Rigorous reporting and verification practices

45V PTC



H2 Hubs

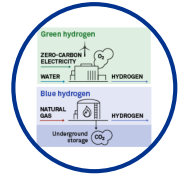


# Hydrogen Emissions

Hydrogen projects must minimize the risk of subsidizing fugitive or intended hydrogen emissions:

- Hydrogen that is purged, vented, or flared should not be eligible to receive 45V
- Companies should develop plans for hydrogen emissions mitigation (e.g., best practices, best available sensors)
- More investment in high-precision sensors and research into leakage rates

45V PTC



H2 Hubs



RD&D



## For more information:

- Rachel Fakhry, NRDC – [rfakhry@nrdc.org](mailto:rfakhry@nrdc.org)
- David McCabe, CATF – [dmccabe@catf.us](mailto:dmccabe@catf.us)
- Ilissa Ocko, EDF – [iocko@edf.org](mailto:iocko@edf.org)
- Morgan Rote, EDF – [mrote@edf.org](mailto:mrote@edf.org)

**Thank you!**