

<Public>



Unpacking 45V: Tracking Implications

September 17, 2024

Andrea Coon
Director, WREGIS

45V: Linking Electricity and Hydrogen



**1 MWh
Electricity Usage**



**1 Unit
Hydrogen Production**

To claim 45V credits or combination of credits, the hydrogen must be matched with the electricity (minimum hourly intervals) and the EAC associated with the electricity must be retired (recorded).

<Public>

How are we tracking RECs today?



Requirements for EAC Registry Tracking

- Protection against double counting ✓
- Generating unit description ✓
- Identify ownership ?
- Generated electricity amount ✓
- Commercial Operations Date (COD) ✓
- Unique identifier for each EAC (serial number) ✓
- Hourly production information ?
- Electrical and hydrogen facility location matching ✗

An EAC should represent electricity that is incremental, temporal, and deliverable.

Hydrogen Tracking

REC tracking systems may not track hydrogen today as envisioned in 45V. Hydrogen tracking requirements called out in 45V include:

- Hydrogen facility location
- Facility description
- Amount of feedstock
- Metering devices



There are likely other requirements not yet defined.

Key Implementation Challenges

Hourly
Tracking

Hydrogen
Tracking

Matching
Hydrogen to
EACs

Defining
Deliverability

<Public>

