

# The National Energy Efficiency Registry

ACEEE Energy Efficiency  
Finance Forum

May 24, 2016



## **ENERGY**

Promoting clean, efficient, safe solutions

## **ECONOMY**

Growing a prosperous, low-carbon economy into the 22nd century

## **EQUITY**

Empowering all Americans to run their homes with clean, efficient, affordable energy

## **ENVIRONMENT**

Restoring healthy air, water and land

# What is NEER?

A project to develop Model Principles and Operating Rules for a Energy Efficiency Registry supported by the Department of Energy, Office of Energy Efficiency and Renewable Energy (EERE), under Award Number DE-EE0007219, CFDA No. 81.119.

This project is led by the TN Energy Office and a steering committee with representatives from GA, MI, MN, OR & PA. NASEO and The Climate Registry are project partners.



# Disclaimer

1. Views expressed are my own.
2. Full Disclosure: E4 is a subcontractor to The Climate Registry.



The Climate Registry

**NEER**

NATIONAL ENERGY  
EFFICIENCY REGISTRY

Aspects of the development of the National Energy Efficiency Registry (NEER) are supported by the Department of Energy, Office of Energy Efficiency and Renewable Energy (EERE), under Award Number DE-EE0007219, CFDA No. 81.119.

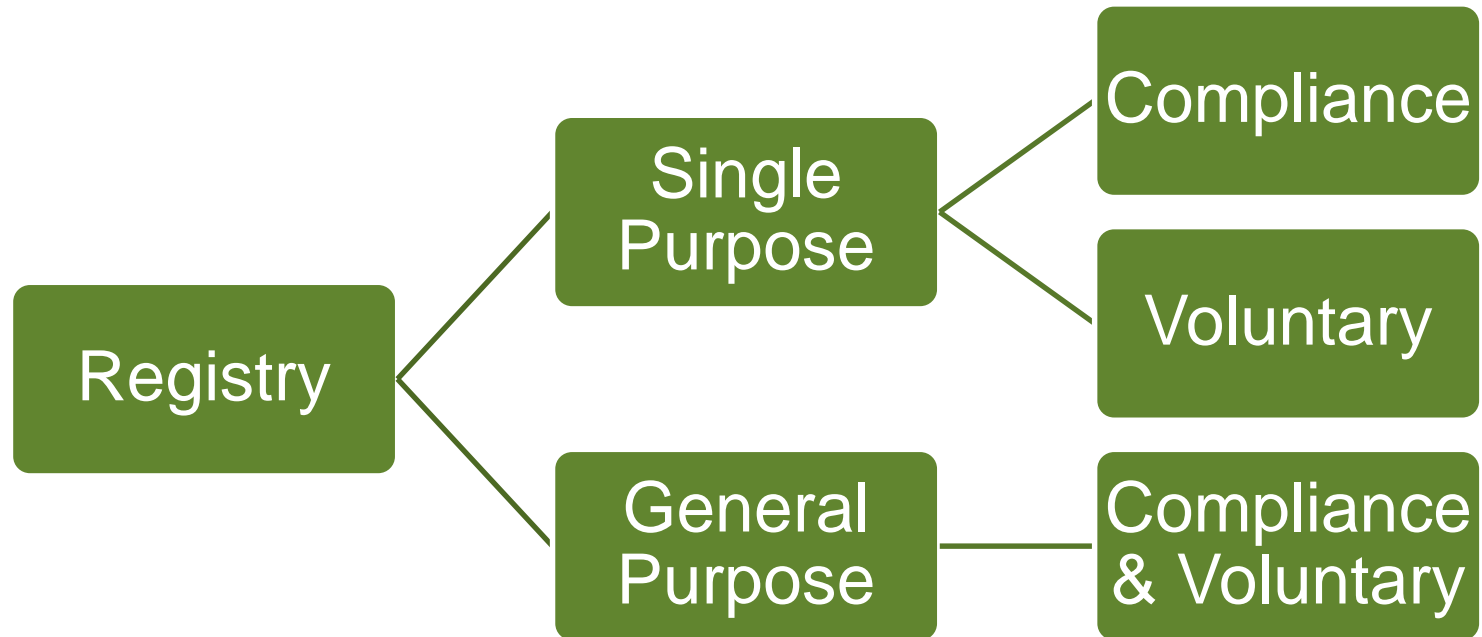


# Topics for Today

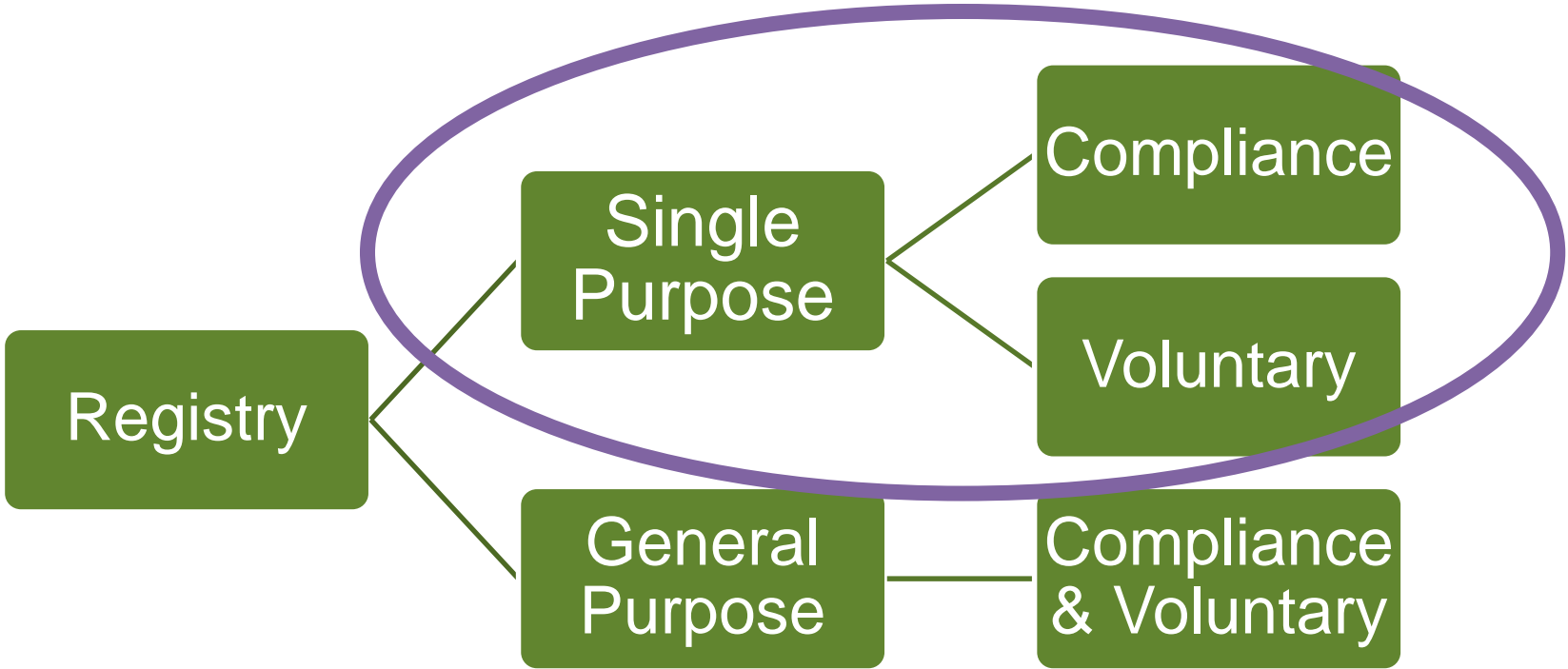
- Types of Attribute Registries
- What Registries do well
- QA/QC of data and analysis is key for EE

# Types of Attribute Registries

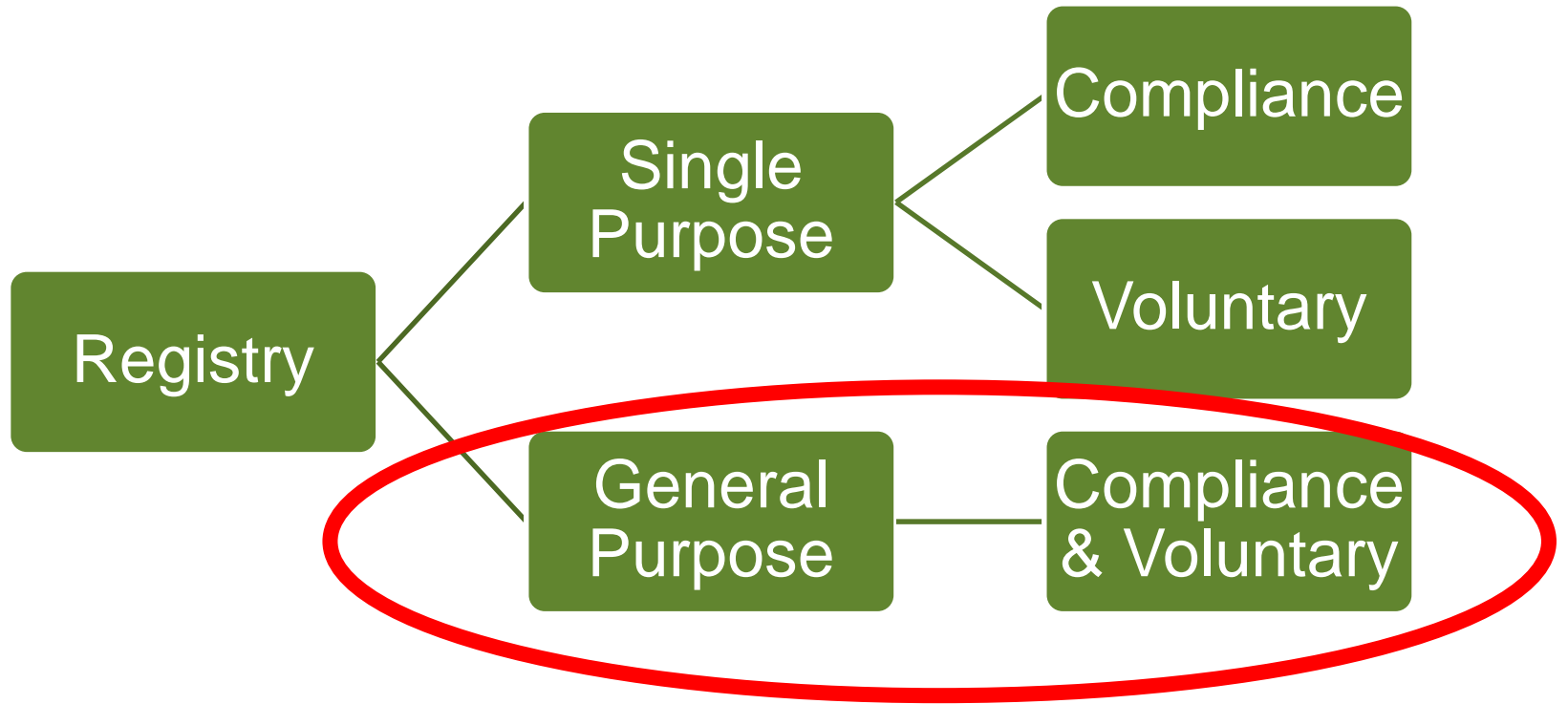
# Attribute Registries: All Shapes and Sizes



# Compliance/Certification Instruments







# Certificates

# Example Attribute Registries

## Single Purpose **Compliance** Registries

- Acid Rain Program Registry
- Ozone Transport Commission NO<sub>x</sub> Registry
- RGGI Allowance Registry

## Voluntary **Certification** Registries

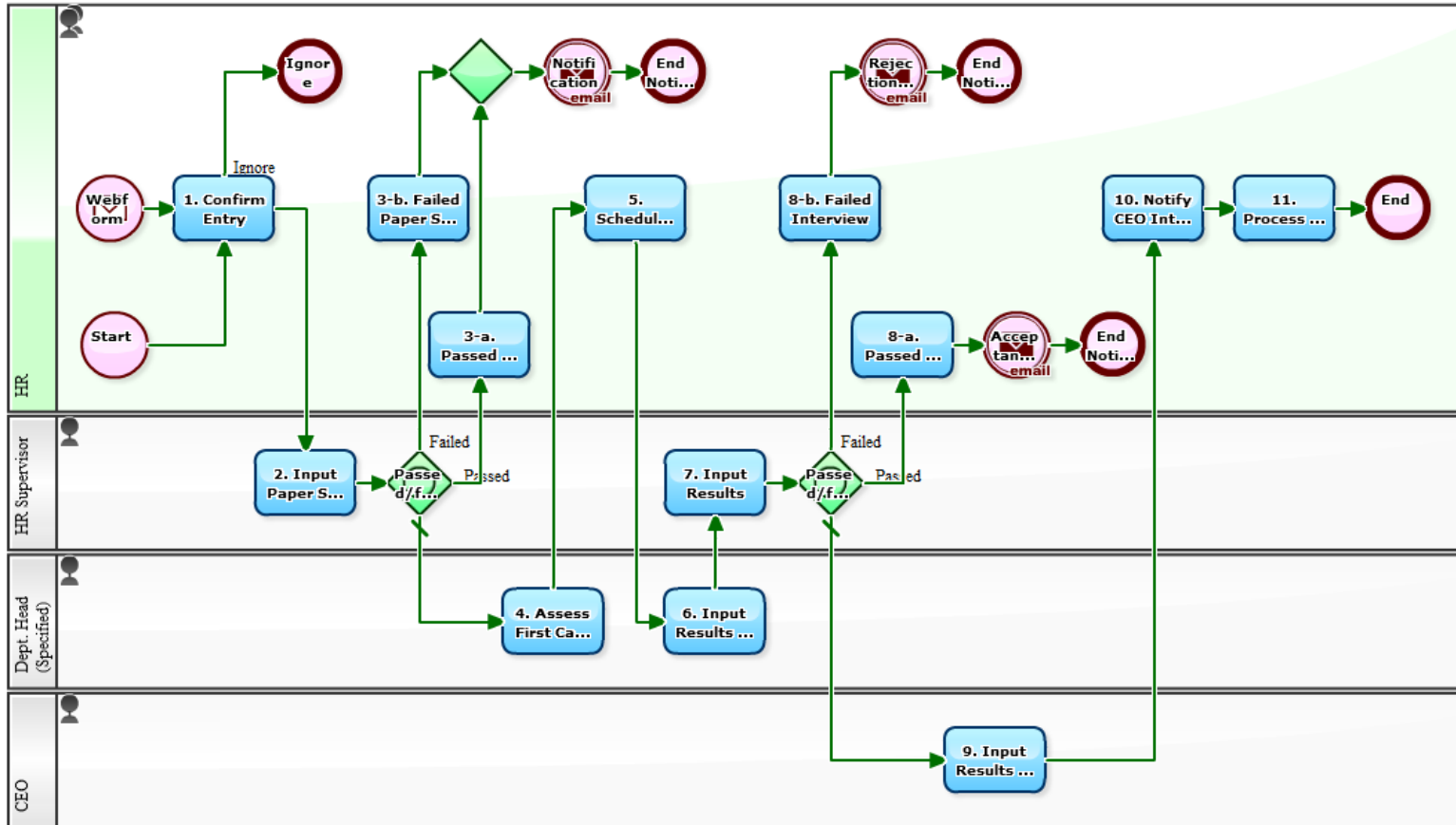
- Green-e
- Verified Carbon Standard Registry
- Low Impact Hydropower Institute Registry

## General Purpose “All Non Energy Attributes” **Certificate** Registries

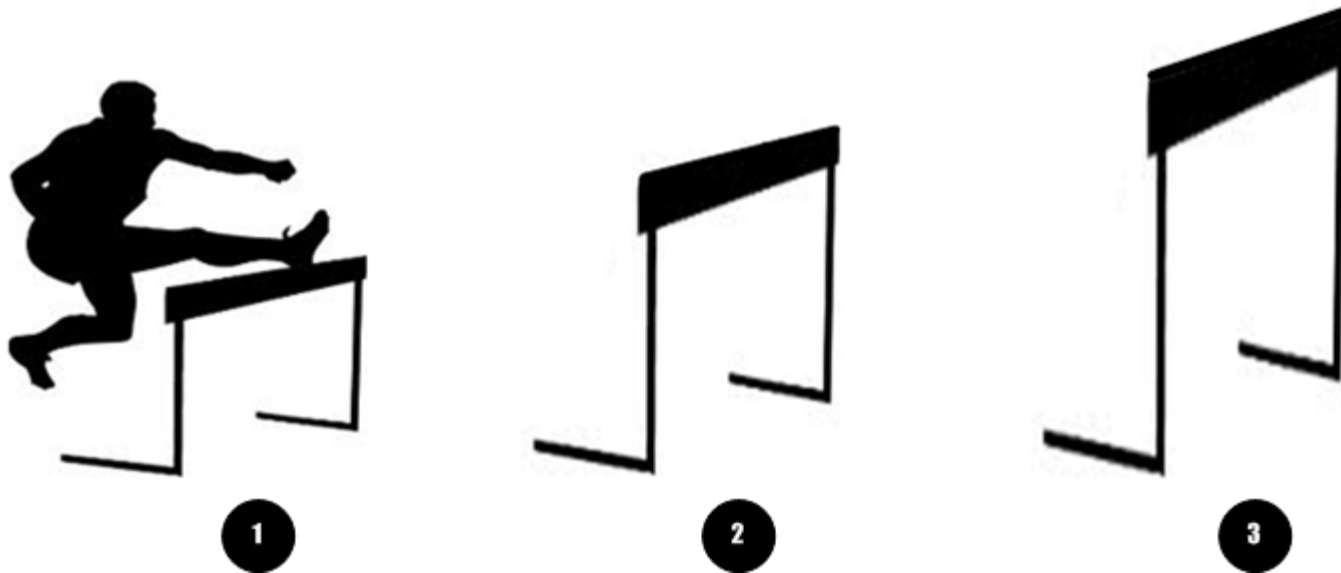
- NEPOOL Generation Information System (GIS)
- PJM Generation Attributes Tracking System (GATS)
- WREGIS
- NARR
- MRETS

# What Registries do well

# 1. Standardize, Enforce and Document Approval Process



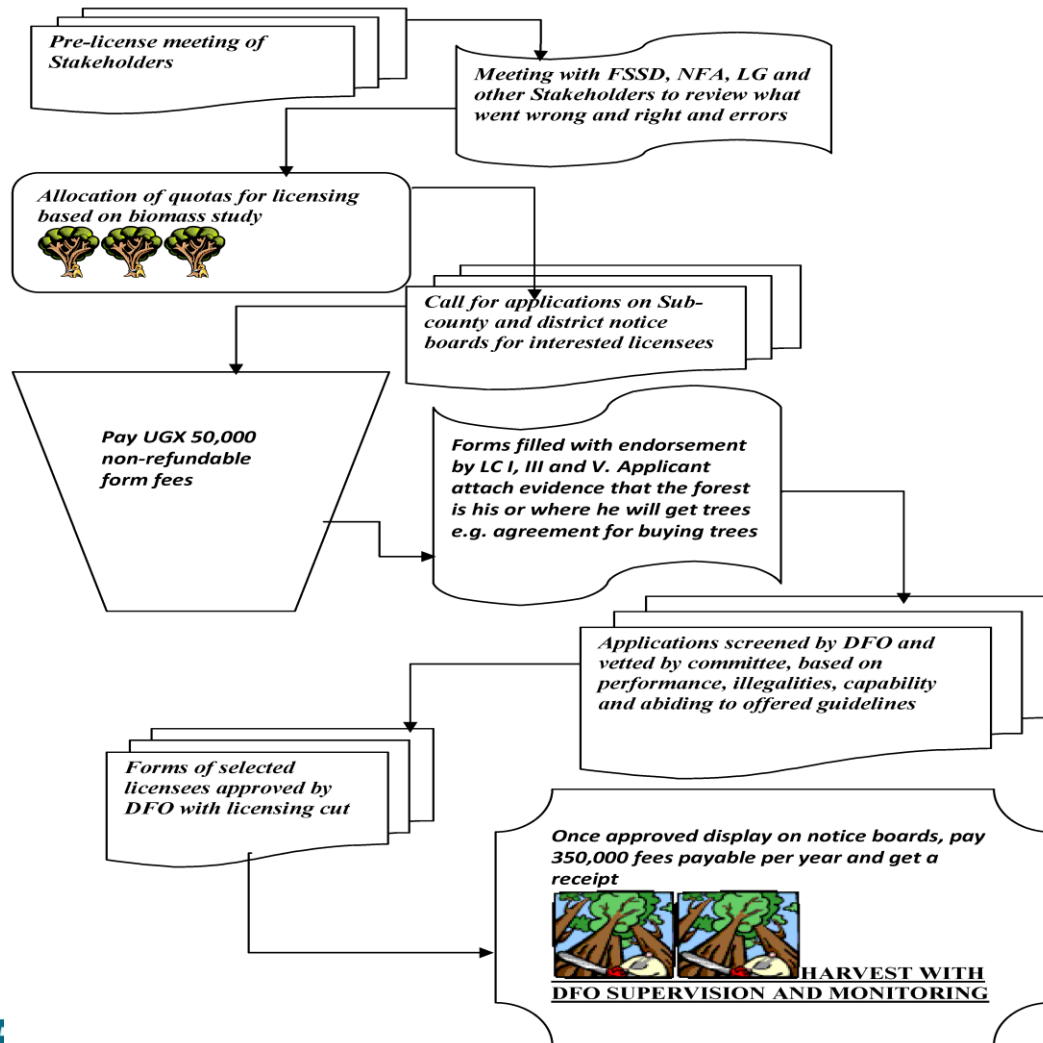
## 2. Enable Compliance with Standards



# 3. Disclosure



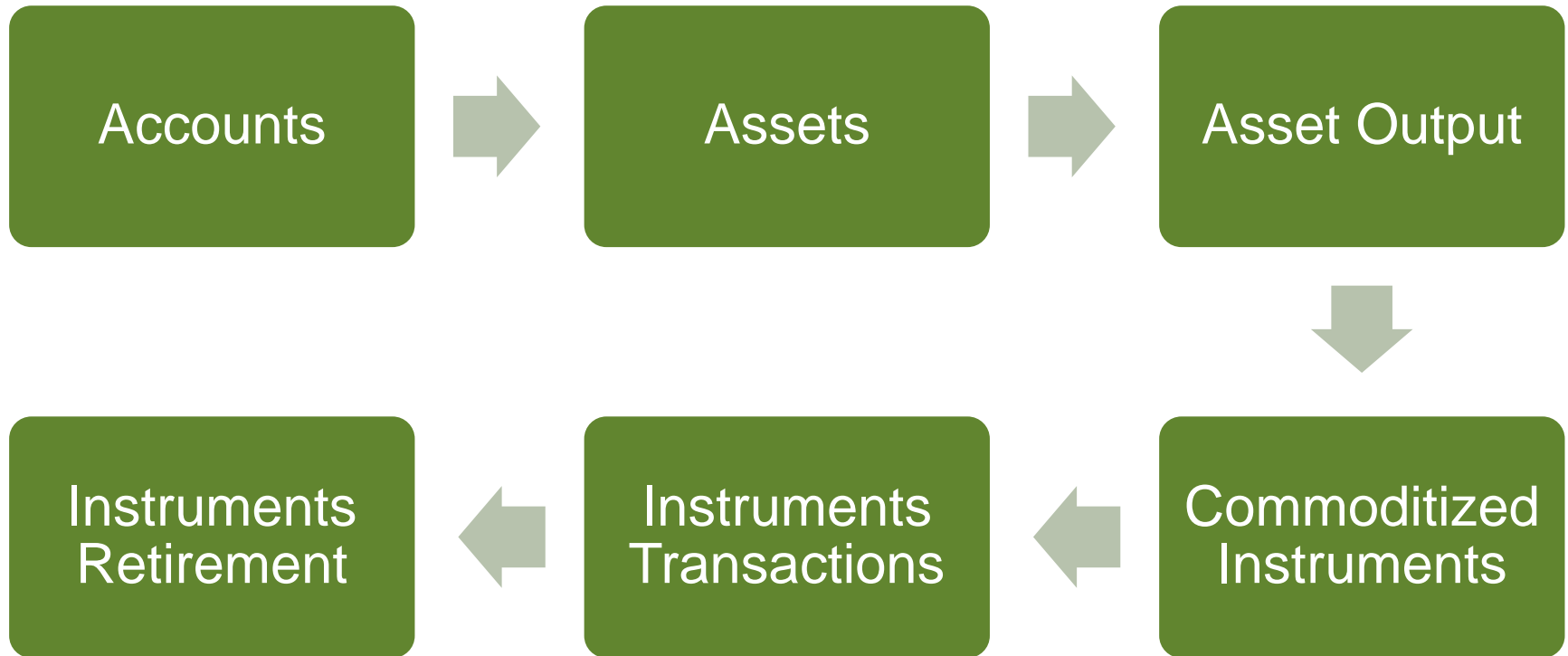
# 4. Chain of Custody



# QA/QC of data and analysis key for EE



# Basic Registry Elements

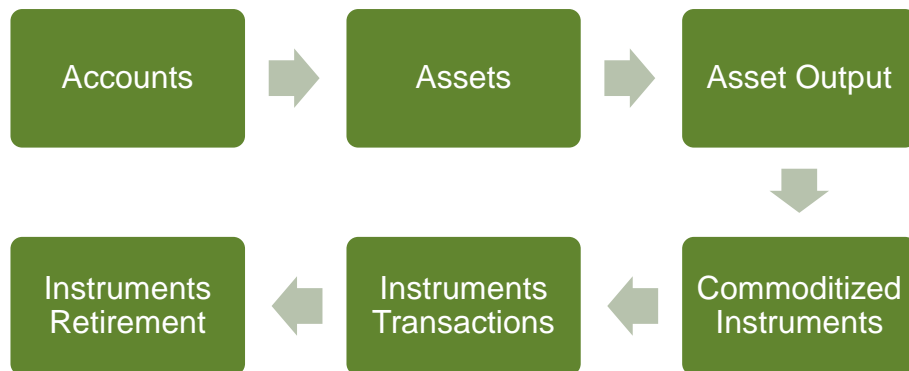


# Assets

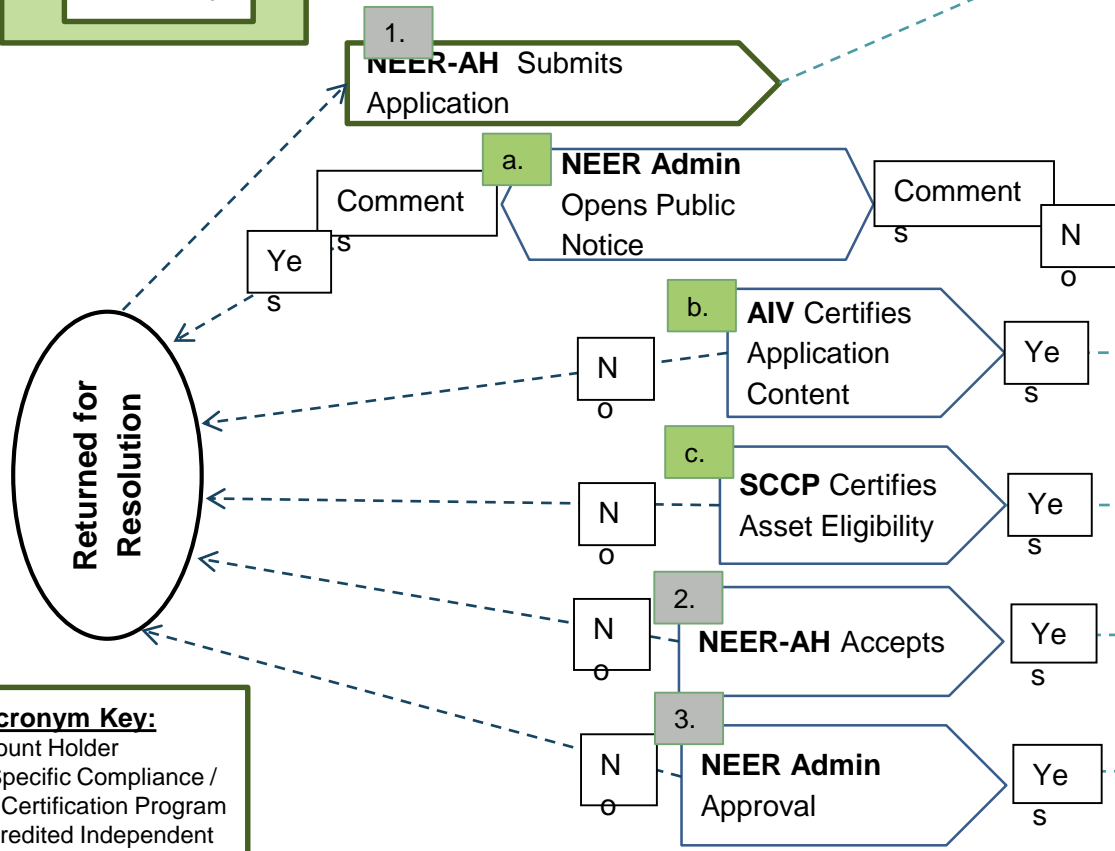
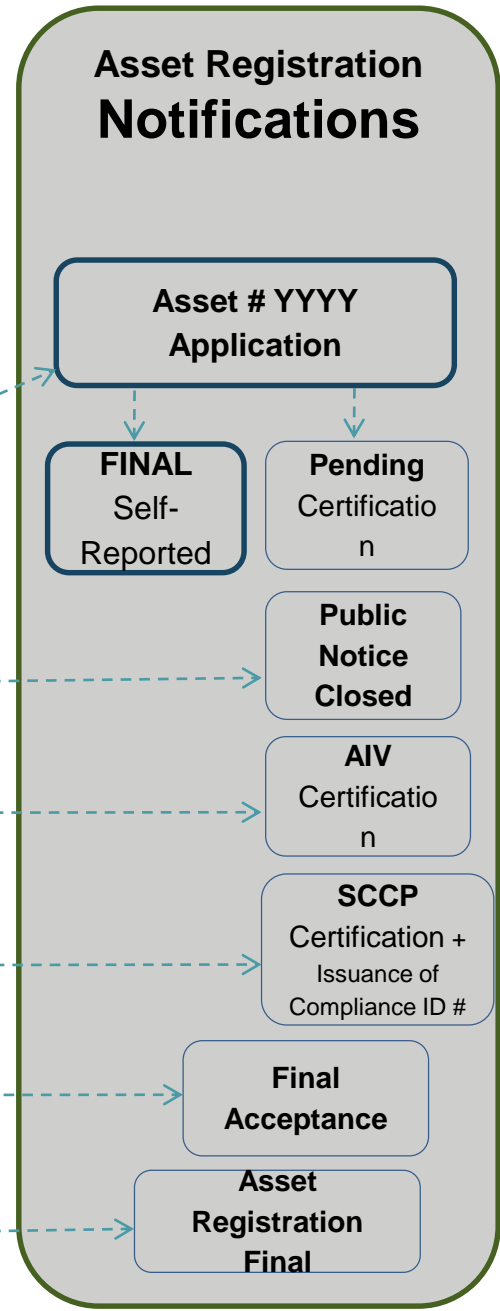
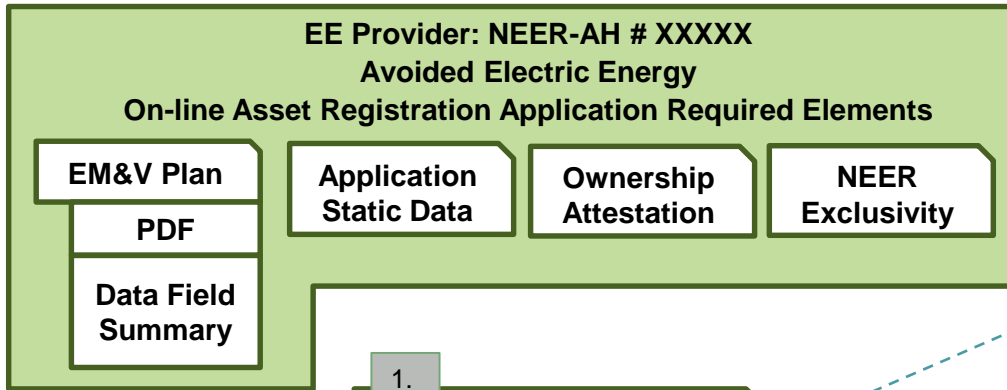
Projects,  
Programs or  
Policies

One Account >  
multiple Assets; each  
Asset only 1 Account

“Eligibility”  
is recorded  
here



# Static Data QA/QC: Modules



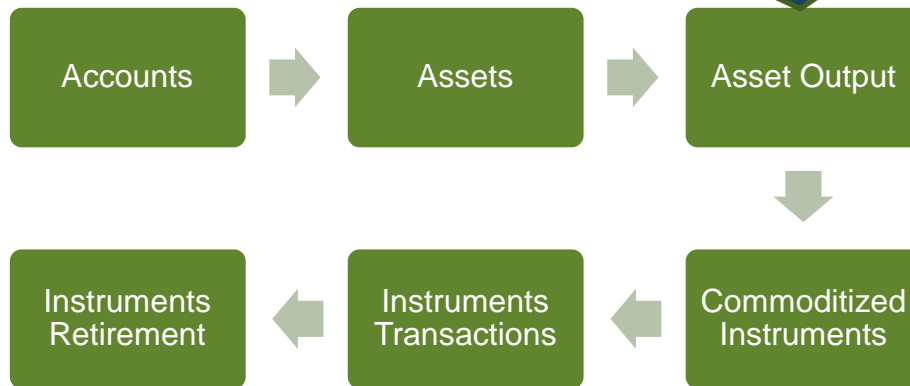
**Acronym Key:**

- AH-** Account Holder
- SCCP-** Specific Compliance / Certification Program
- AIV-** Accredited Independent Verifier

# Asset Output

Standard Output  
Unit of Measure  
& Vintage

“Verified  
MWhs” live  
here



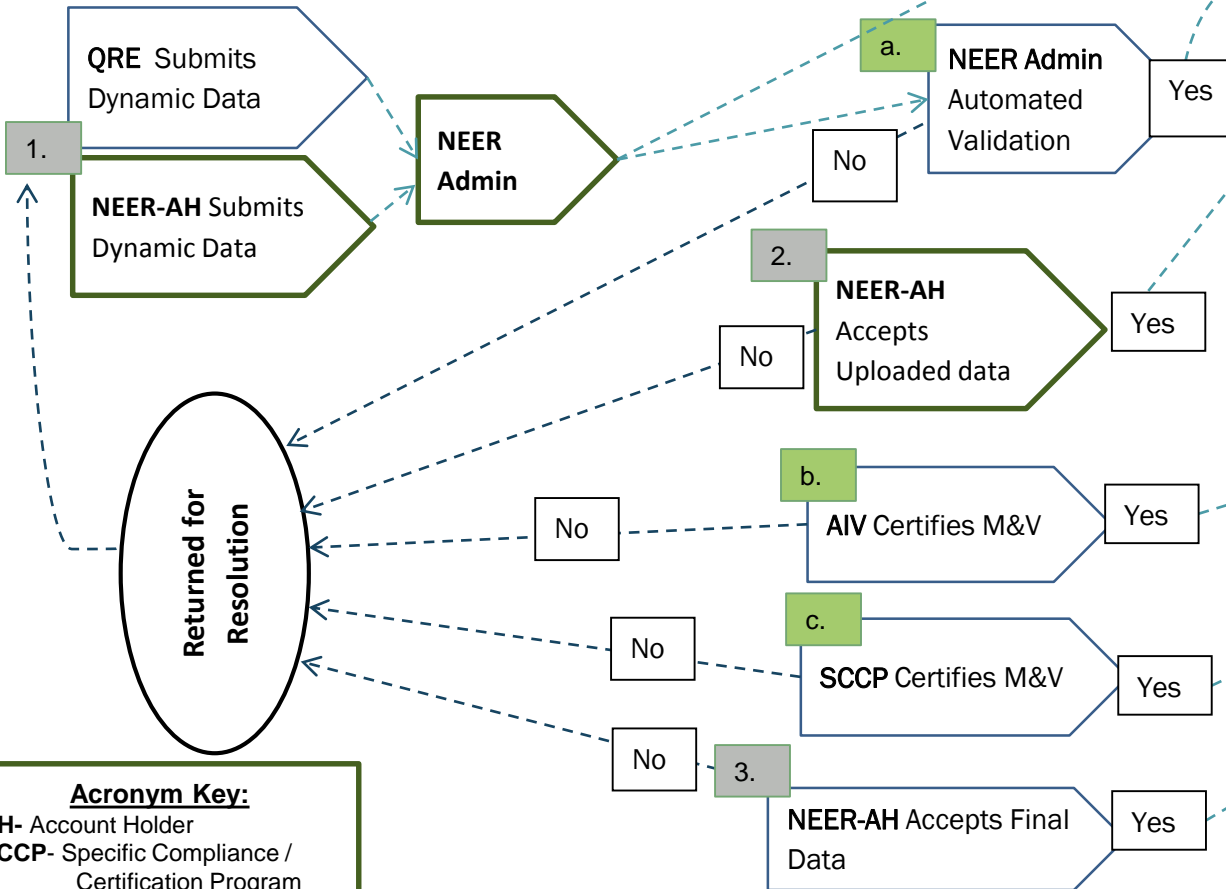
# Dynamic Data QA/QC: Module

**EE Provider: NEER-AH # XXXXX**  
**Avoided Electric Energy**  
**On-line Asset Output Application Required Elements**

Application Dynamic Data

M&V Report

AIV Verification Report



**Asset Output Log Notifications**

Upload - Complete

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FINAL Self-Reported

↓

Pending Certification

↓

AIV Certification

↓

SCCP Certification

↓

FINAL Ready for Issuance

↓

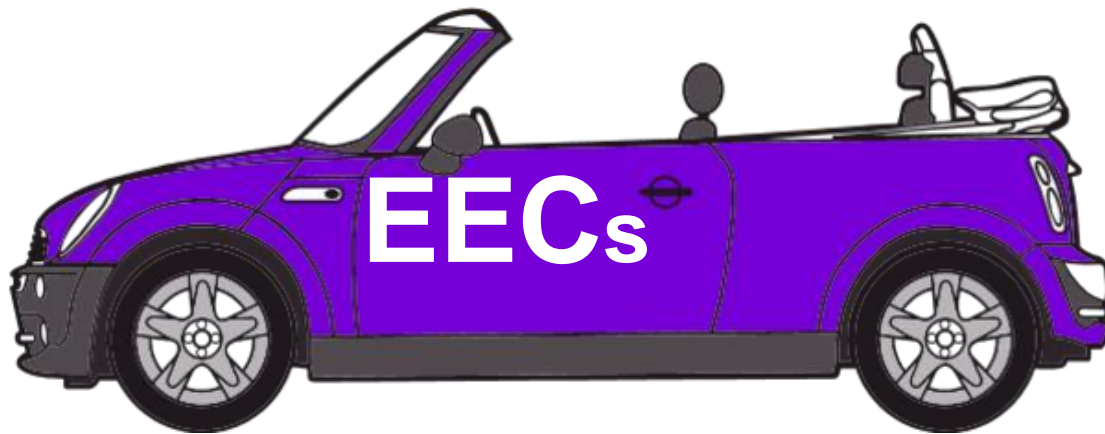
NEER Admin Issues Instrument(s)

**Acronym Key:**  
**AH-** Account Holder  
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# NEER

seeking input from  
EE Finance

# Vehicle to added value (à la RECs)



# Rigorous Due Diligence QA/QC mitigates risks





# Pay for Performance rather than programs





Your feedback is key  
for us to get it right.

# Q&A / Thank you!

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