

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 an 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.

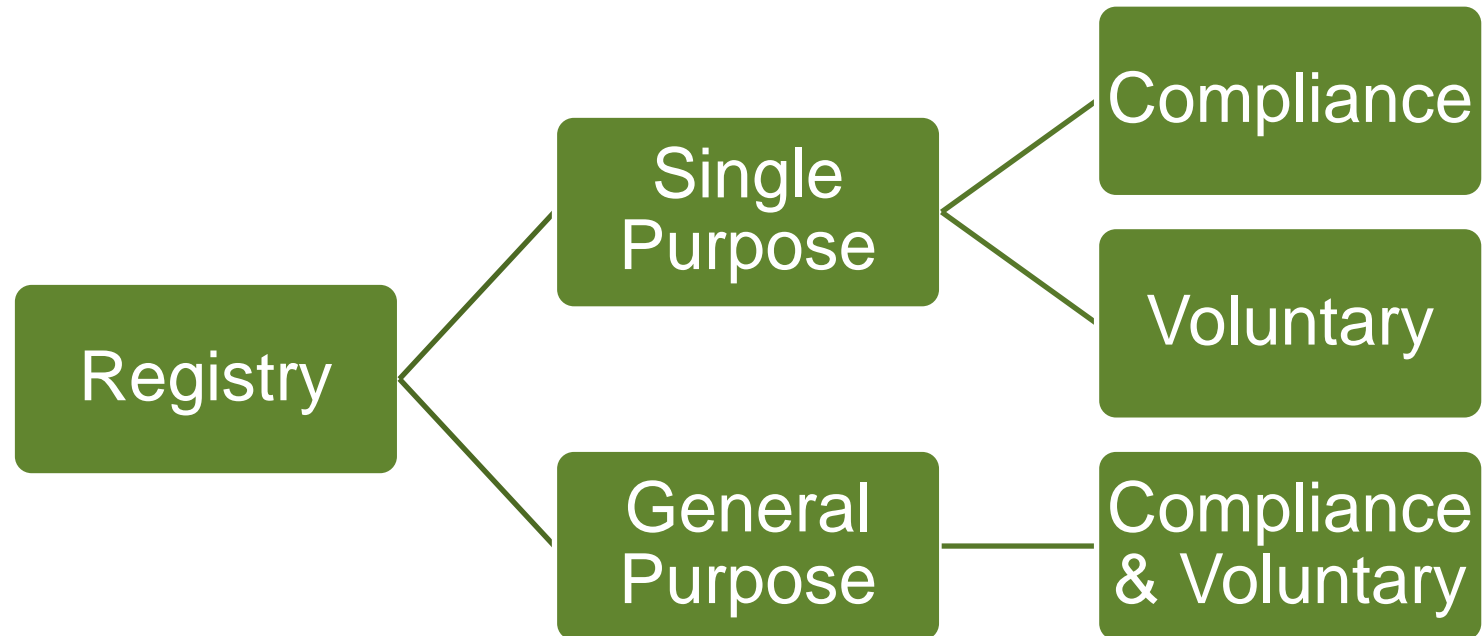


Topics for Today

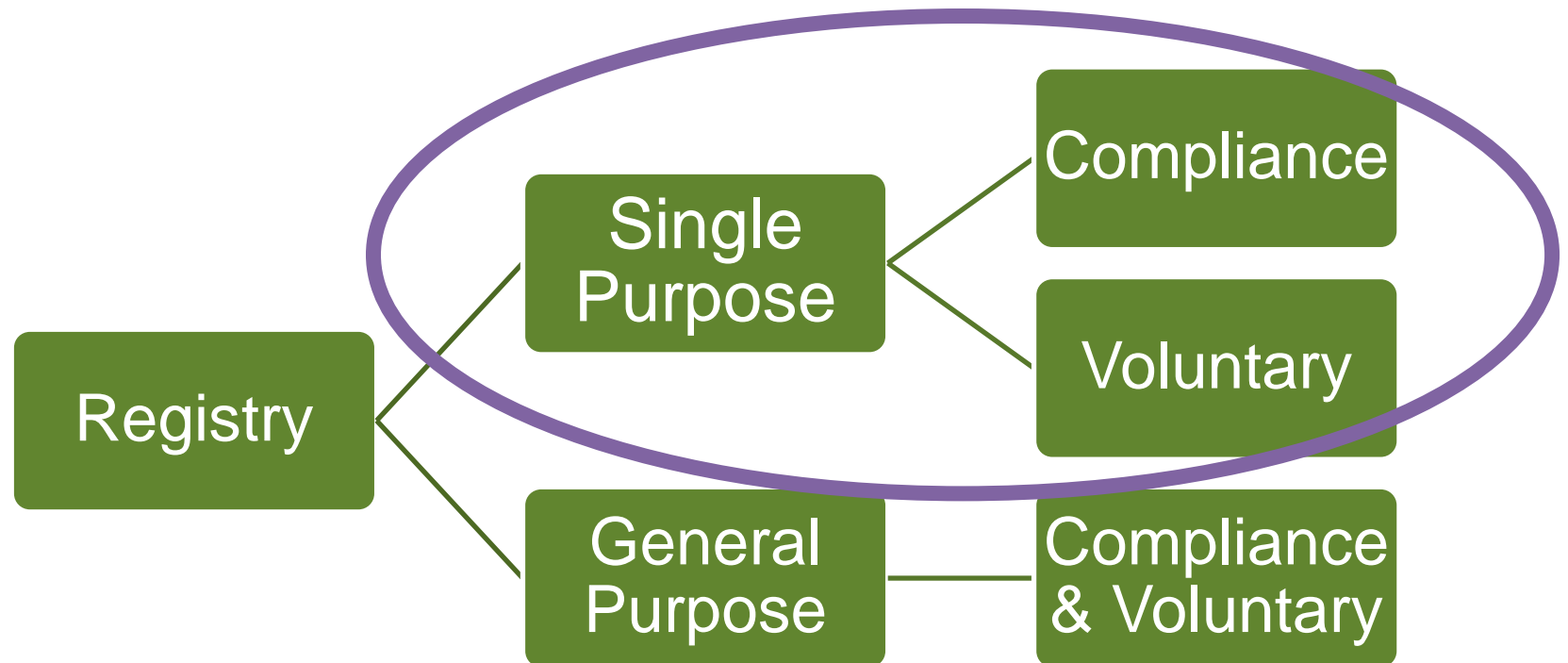
- Types of Attribute Registries
- What Registries do well
- QA/QC of data and analysis is key for EE

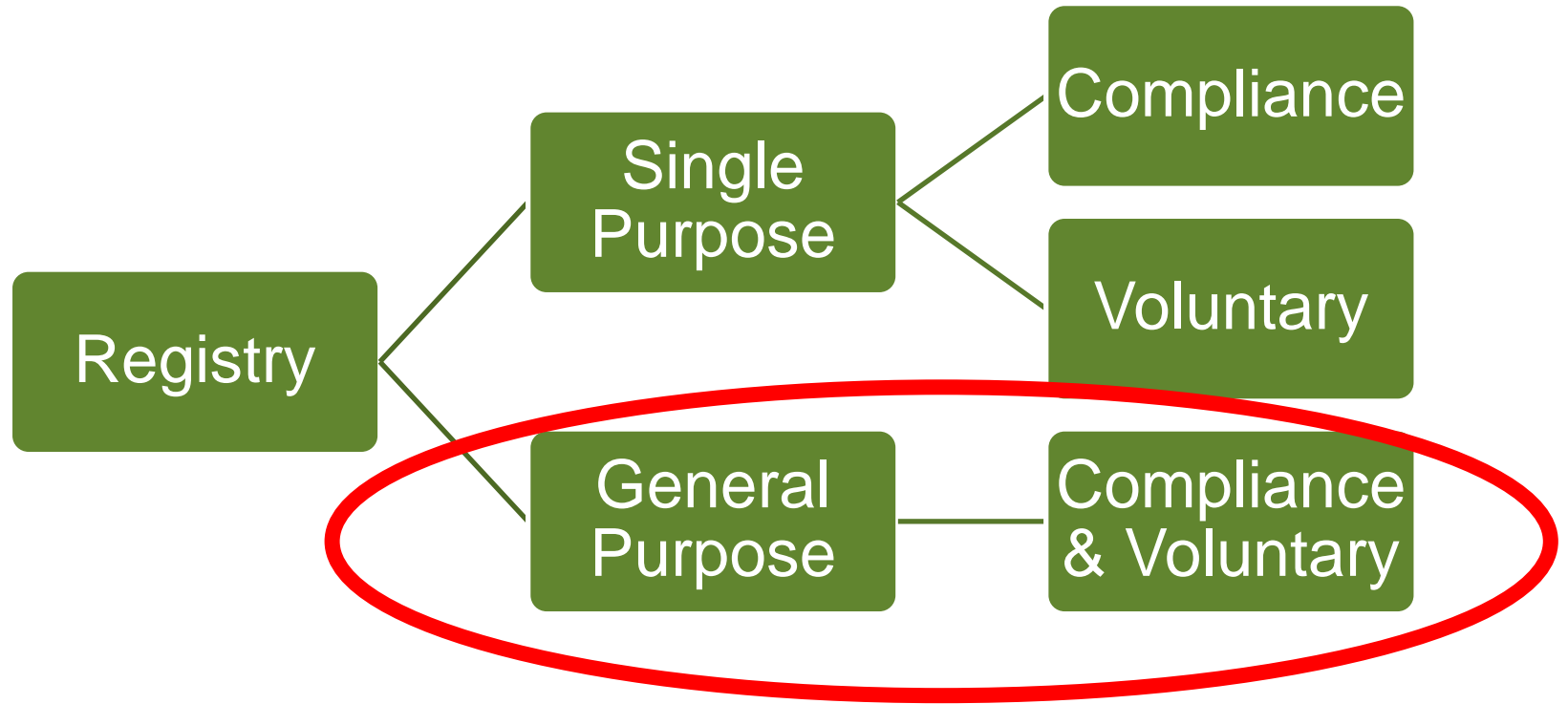
Types of Attribute Registries

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_x Registry
- RGGI Allowance Registry

Voluntary **Certification** Registries

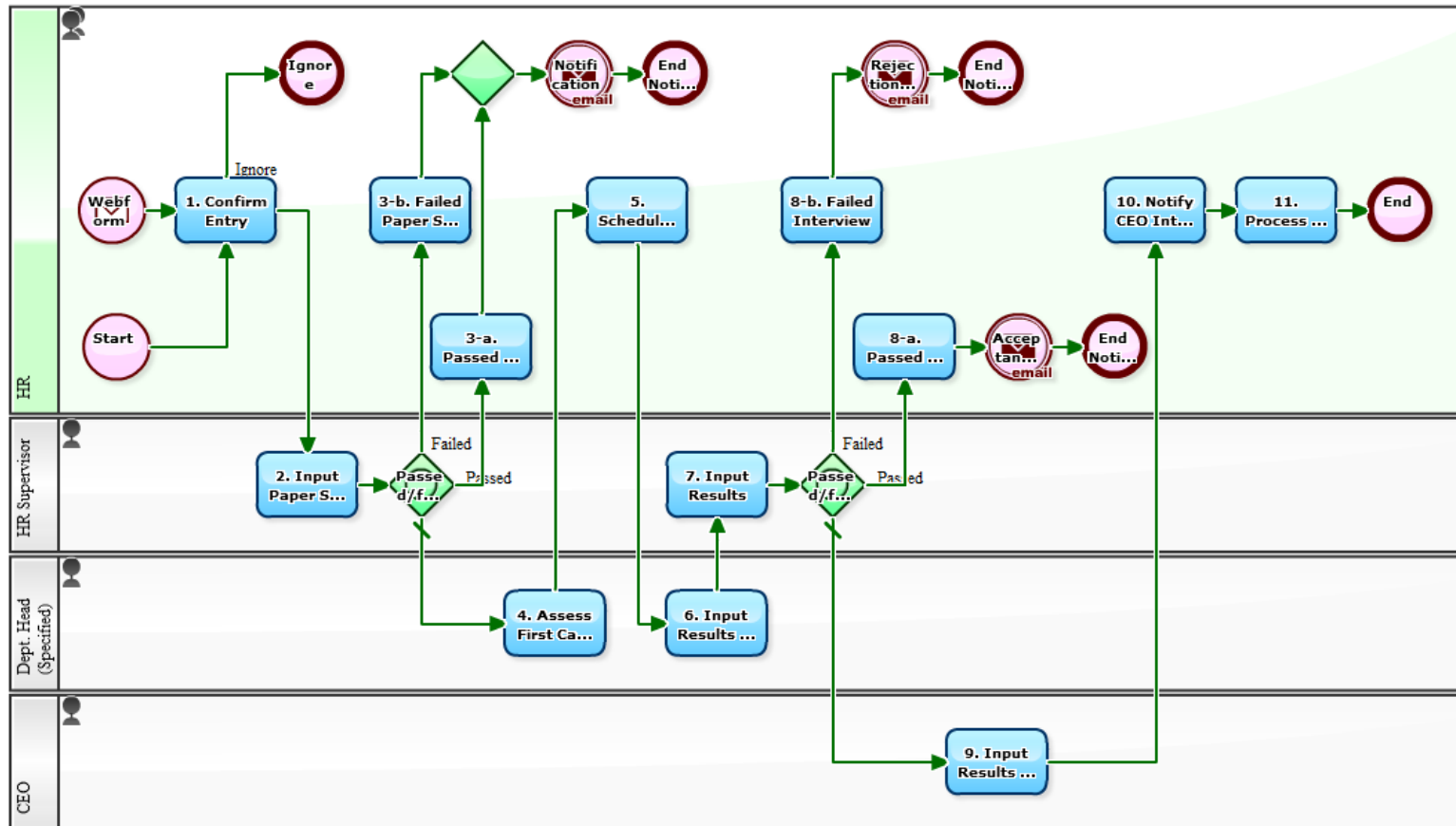
- Green-e
- Verified Carbon Standard Registry
- Low Impact Hydropower Institute Registry

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

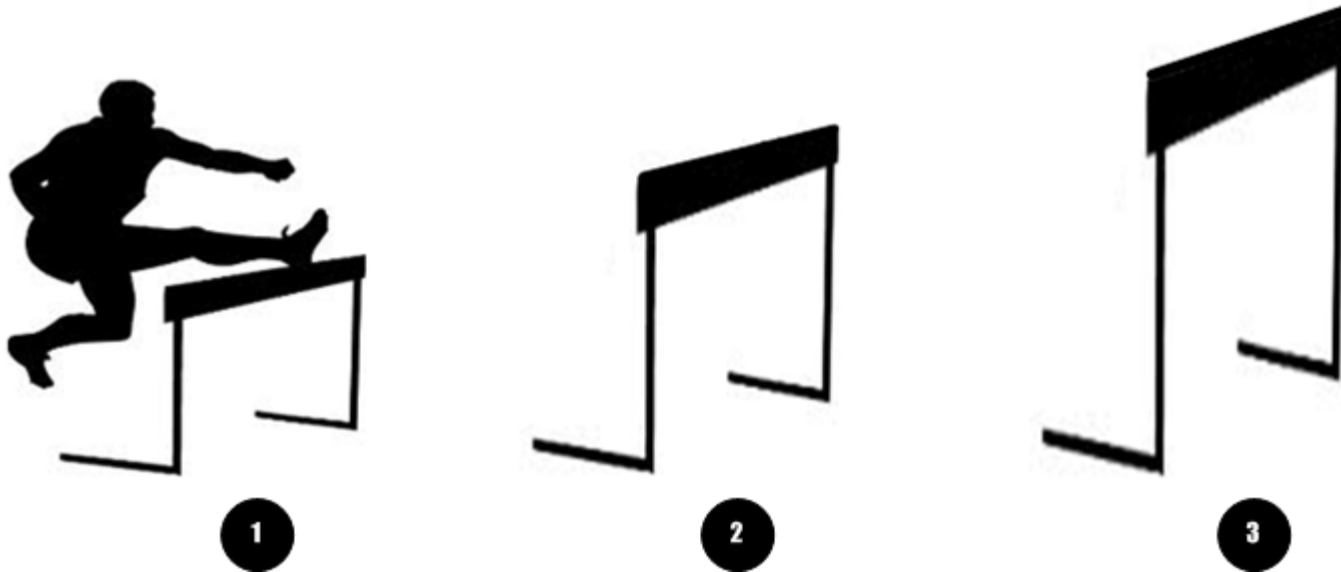
- NEPOOL Generation Information System (GIS)
- PJM Generation Attributes Tracking System (GATS)
- WREGIS
- NARR
- MRETS

What Registries do well

1. Standardize, Enforce and Document Approval Process



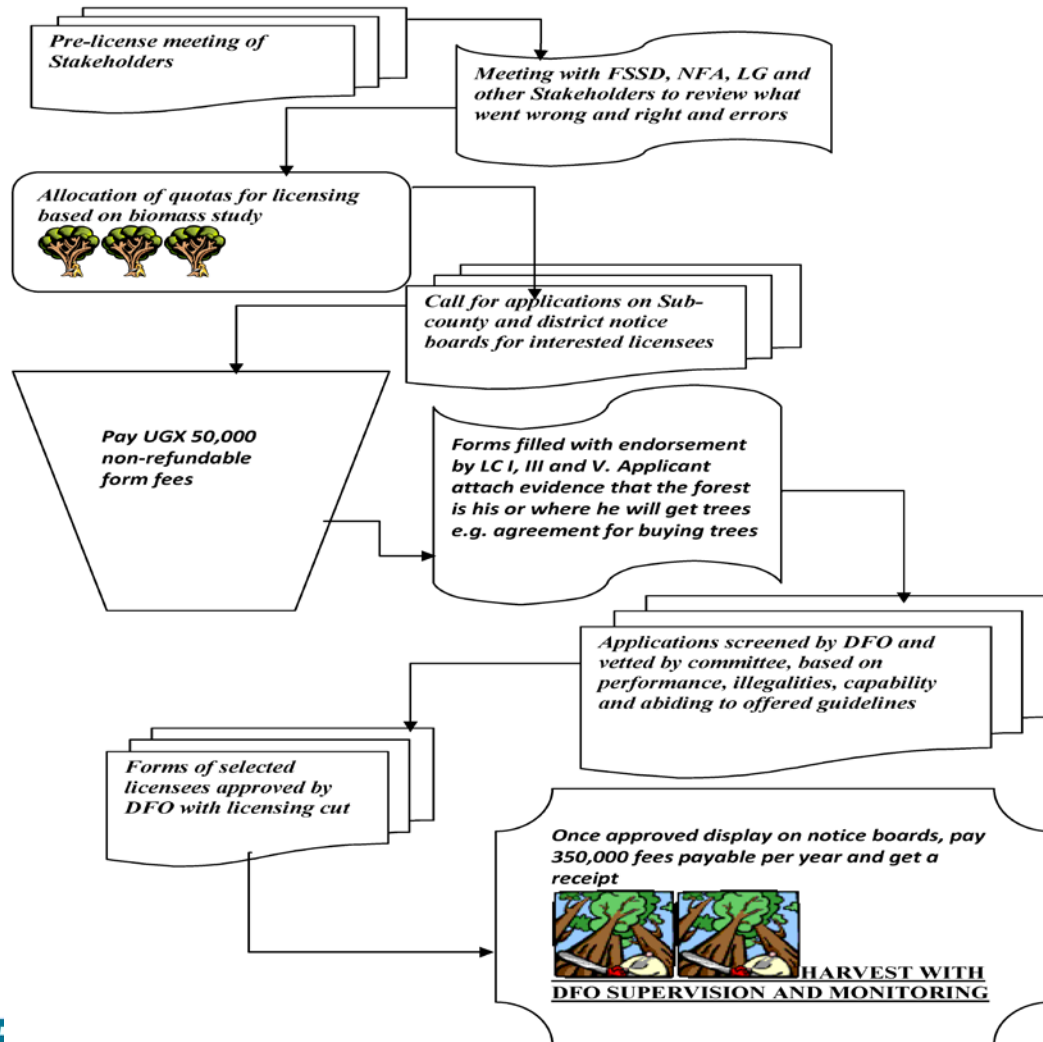
2. Enable Compliance with Standards



3. Disclosure

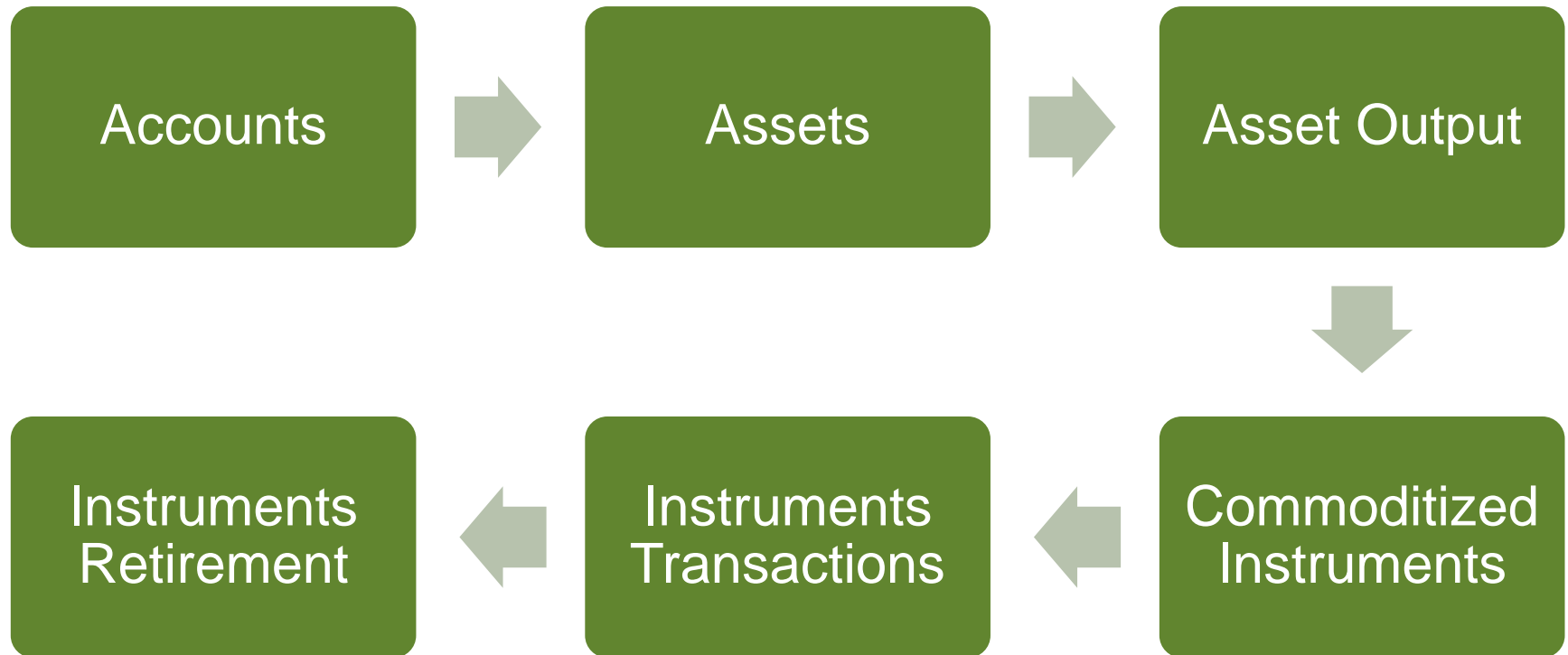


4. Chain of Custody



QA/QC of data and analysis key for EE

Basic Registry Elements

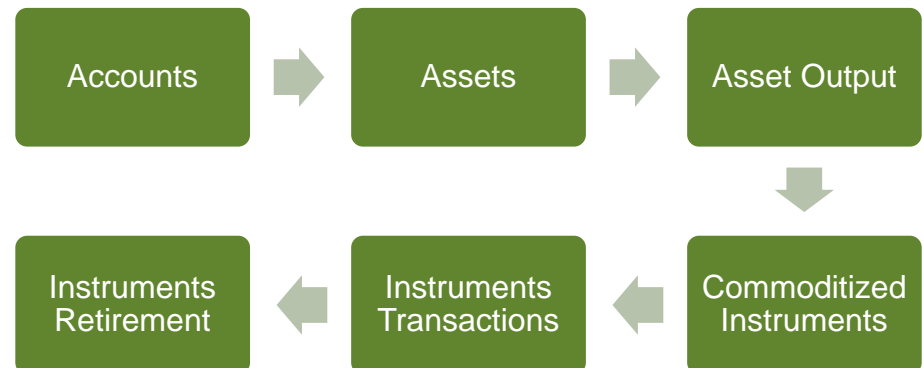


Assets

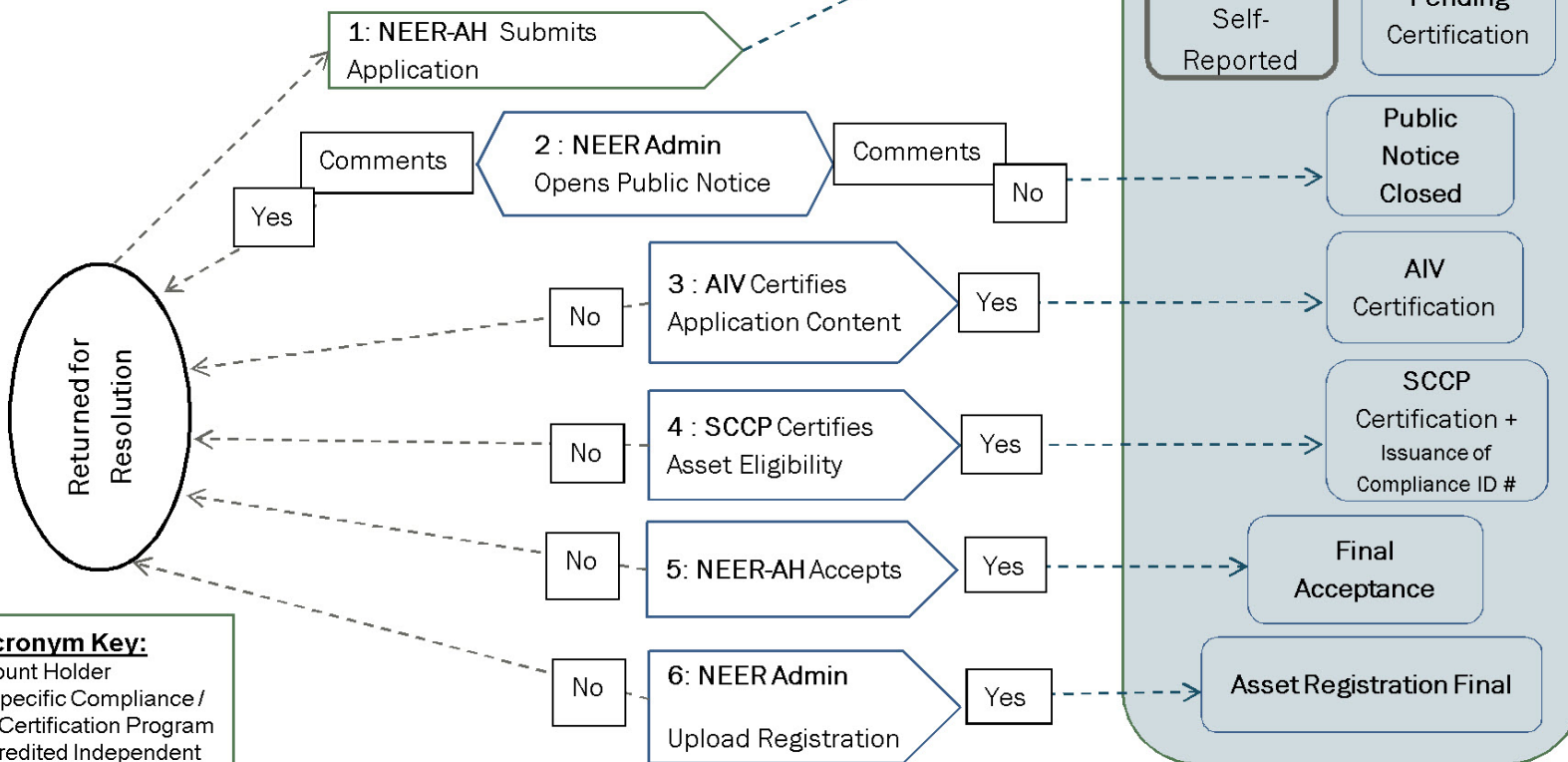
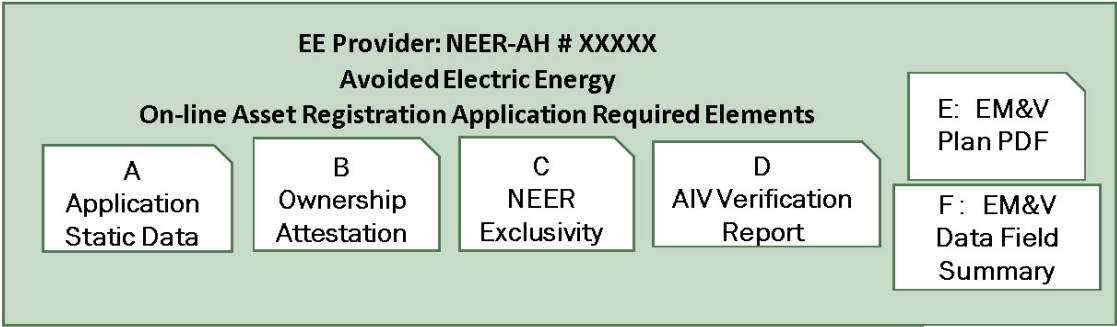
Projects,
Programs or
Policies

One Account >
multiple Assets; each
Asset only 1 Account

“Eligibility”
is recorded
here



Static Data QA/QC: Modules



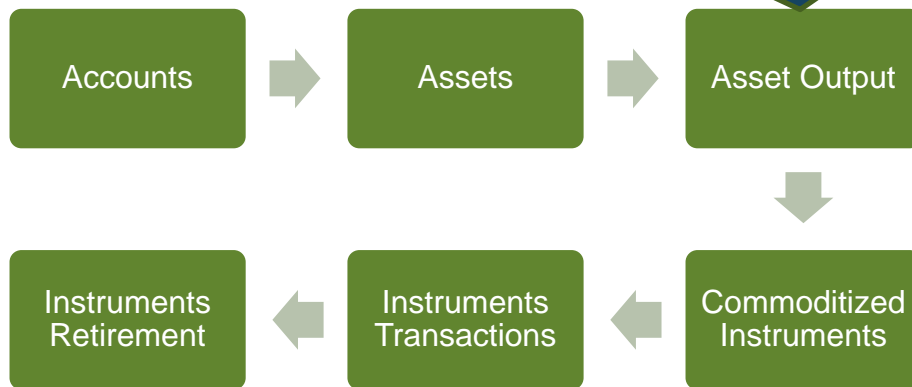
Acronym Key:

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

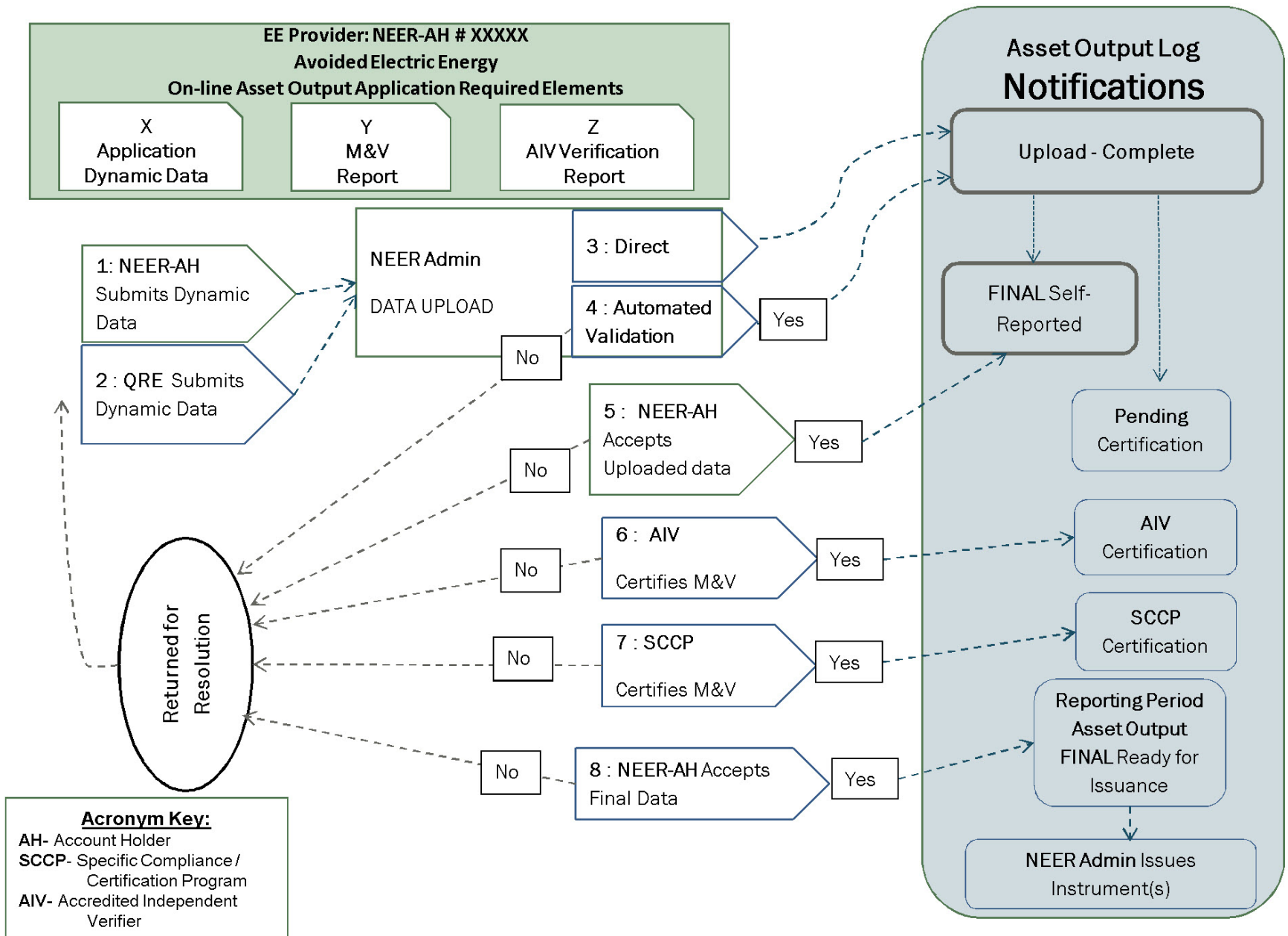
Asset Output

Standard Output
Unit of Measure
& Vintage

“Verified
MWhs” live
here



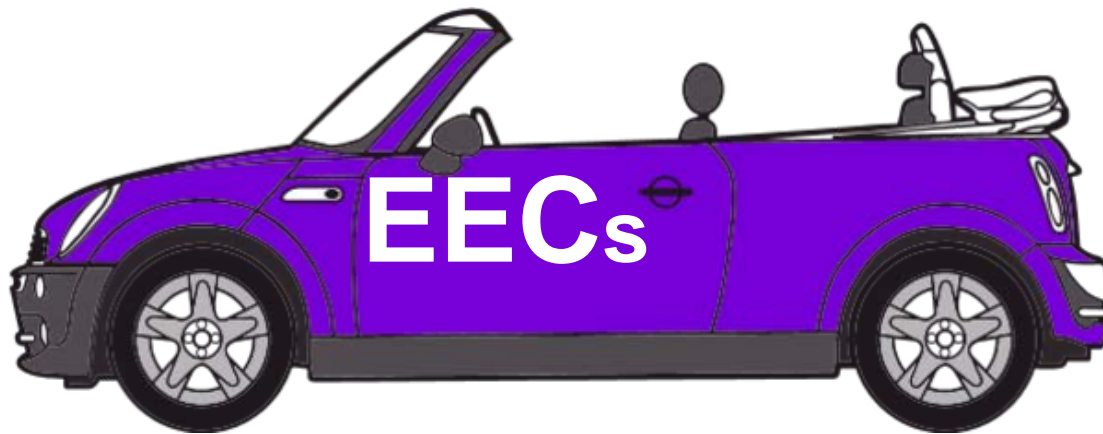
Dynamic Data QA/QC: Module



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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