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.







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

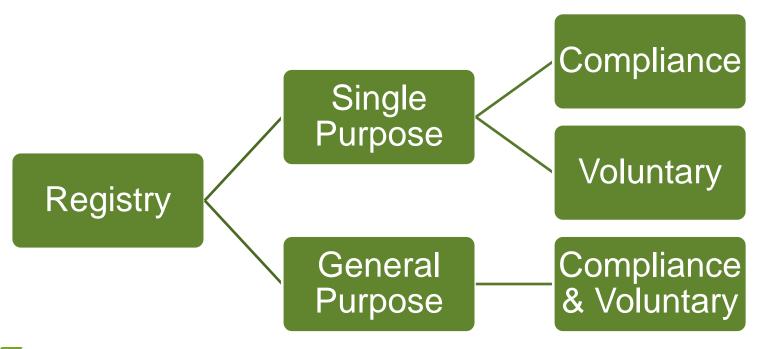
- Types of Attribute Registries
- What Registries do well
- QA/QC of data and analysis is key for EE



Types of Attribute Registries

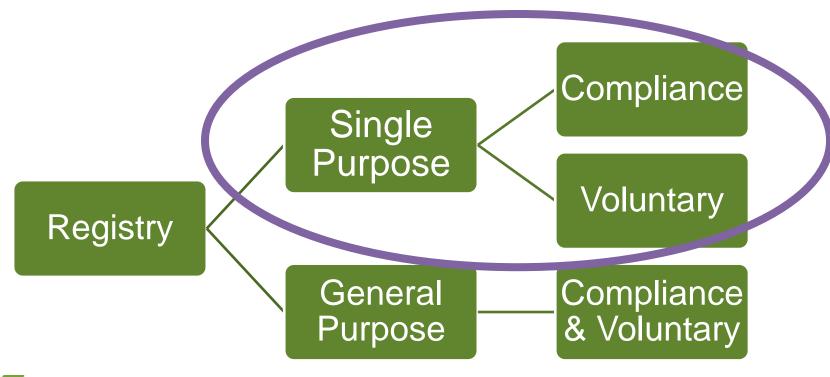


Attribute Registries: All Shapes and Sizes

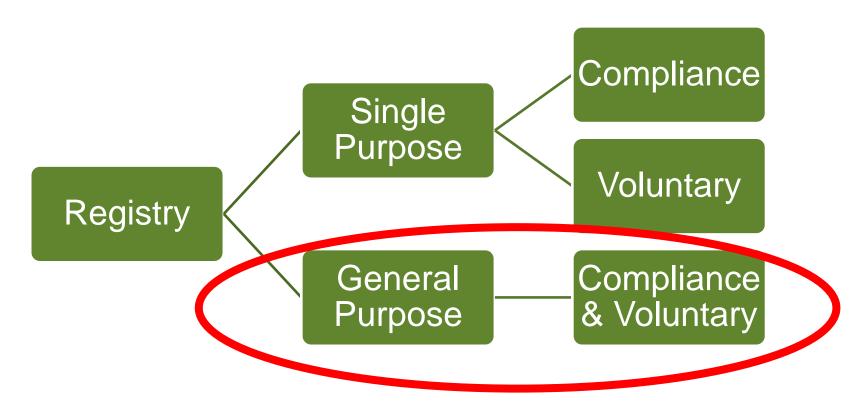




Compliance/Certification Instruments







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

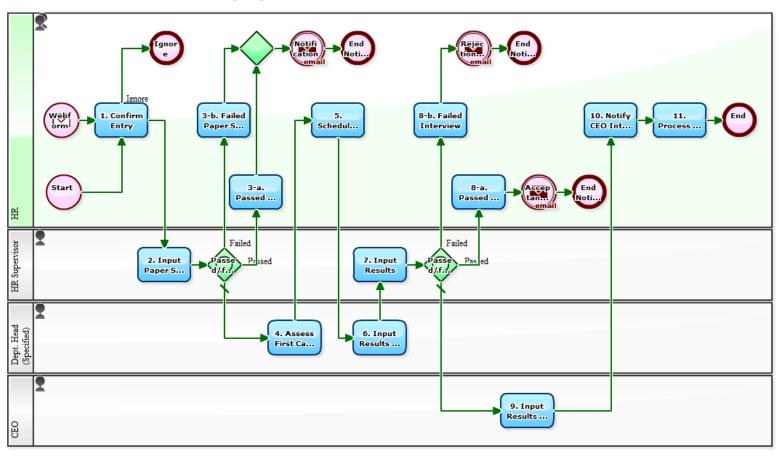
- NEPOOL Generation Information System (GIS)
- PJM Generation Attributes Tracking System (GATS)
- WREGIS
- NARR
- MRETS



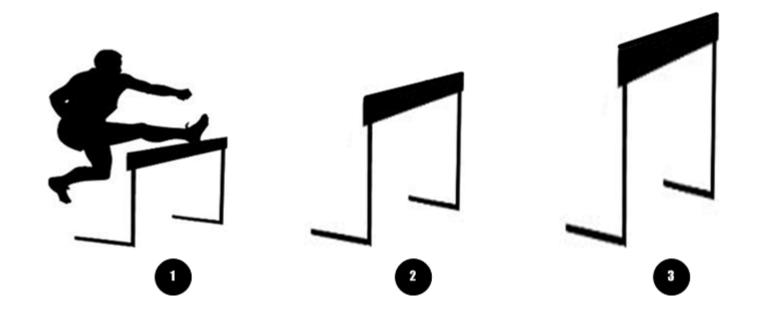
What Registries do well



1. Standardize, Enforce and Document Approval Process



2. Enable Compliance with Standards



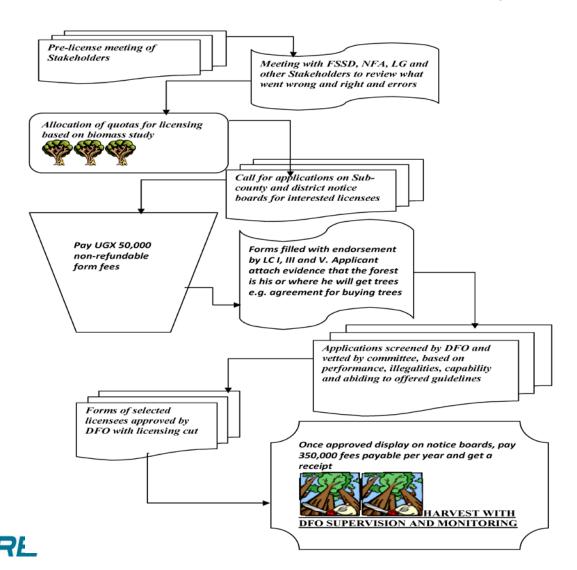


3. Disclosure





4. Chain of Custody



QA/QC of data and analysis key for EE



Basic Registry Elements

Accounts **Asset Output Assets** Commoditized Instruments Instruments Retirement **Transactions** Instruments



Assets

Projects,
Programs or
Policies

One Account > multiple Assets; each Asset only 1 Account

"Eligibility" is recorded here

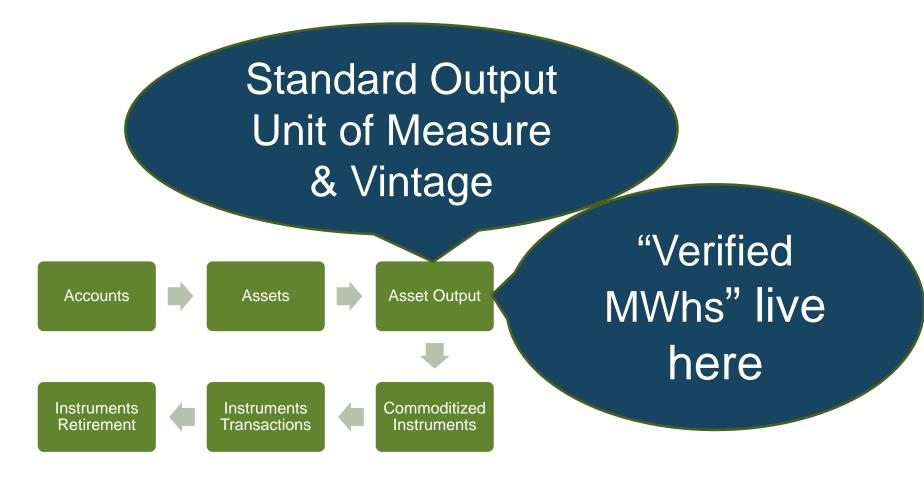






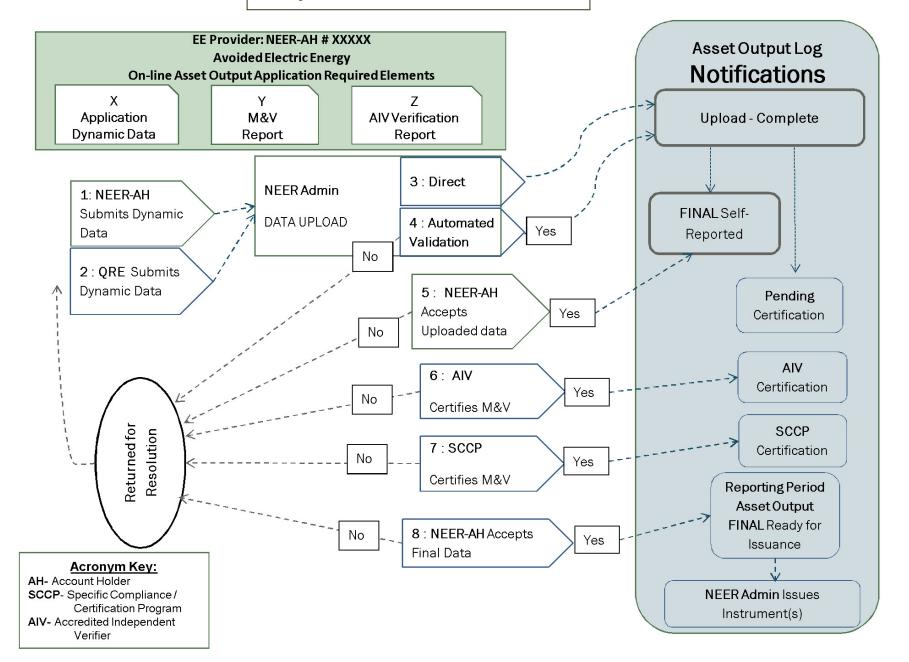
Static Data QA/QC: Modules **Asset Registration EE Provider: NEER-AH # XXXXX Notifications Avoided Electric Energy** E: EM&V **On-line Asset Registration Application Required Elements** Plan PDF В Α **NEER AIV Verification** Ownership Application F: EM&V Exclusivity Report Attestation Static Data Data Field Asset # YYYY Summary Application **FINAL** Pending Self-1: NEER-AH Submits Certification Reported **Application Public** 2: NEER Admin Comments Notice Comments Opens Public Notice No Closed Yes **AIV** 3: AIV Certifies Yes Certification No **Application Content** Returned for Resolution SCCP Certification + 4: SCCP Certifies Yes No Issuance of Asset Eligibility Compliance ID # Final No Yes 5: NEER-AH Accepts Acceptance Acronym Key: AH- Account Holder 6: NEER Admin Asset Registration Final No Yes SCCP- Specific Compliance / Certification Program **Upload Registration AIV-** Accredited Independent Verifier

Asset Output





Dynamic Data QA/QC: Module

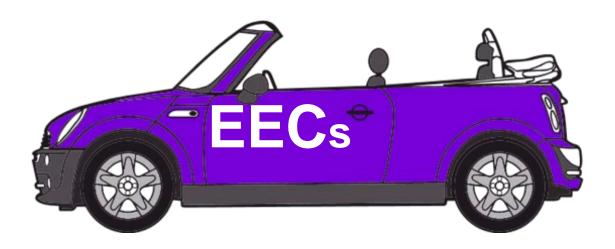


NEER seeking input from EE Finance





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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