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.

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

- Pre-license meeting of Stakeholders
- Allocation of quotas for licensing based on biomass study
- Pay UGX 50,000 non-refundable form fees
- Call for applications on sub-county and district notice boards for interested licensees
- Forms filled with endorsement by LC I, III and V. Applicant attach evidence that the forest is his or where he will get trees e.g. agreement for buying trees
- Applications screened by DFO and vetted by committee, based on performance, illegality, capability and abiding to offered guidelines
- Once approved display on notice boards, pay 350,000 fees payable per year and get a receipt
- Harvest with DFO supervision and monitoring
QA/QC of data and analysis key for EE
Basic Registry Elements

Accounts → Assets → Asset Output

Instruments Retirement

Instruments Transactions → Commoditized Instruments
Projects, Programs or Policies
One Account > multiple Assets; each Asset only 1 Account

"Eligibility" is recorded here
Acronym Key:
AH- Account Holder
SCCP- Specific Compliance / Certification Program
AIV- Accredited Independent Verifier
Asset Output

Standard Output
Unit of Measure & Vintage

Accounts → Assets → Asset Output
Instruments Retirement ← Instruments Transactions ← Commoditized Instruments

“Verified MWhs” live here
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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