



The Climate Registry



Registry Primer

**National Energy Efficiency Registry Project
Steering / Advisory Committee
Kick-Off Meeting**

Feb. 9, 2016
Pat Stanton, E4TheFuture





Registry Primer in Three Parts

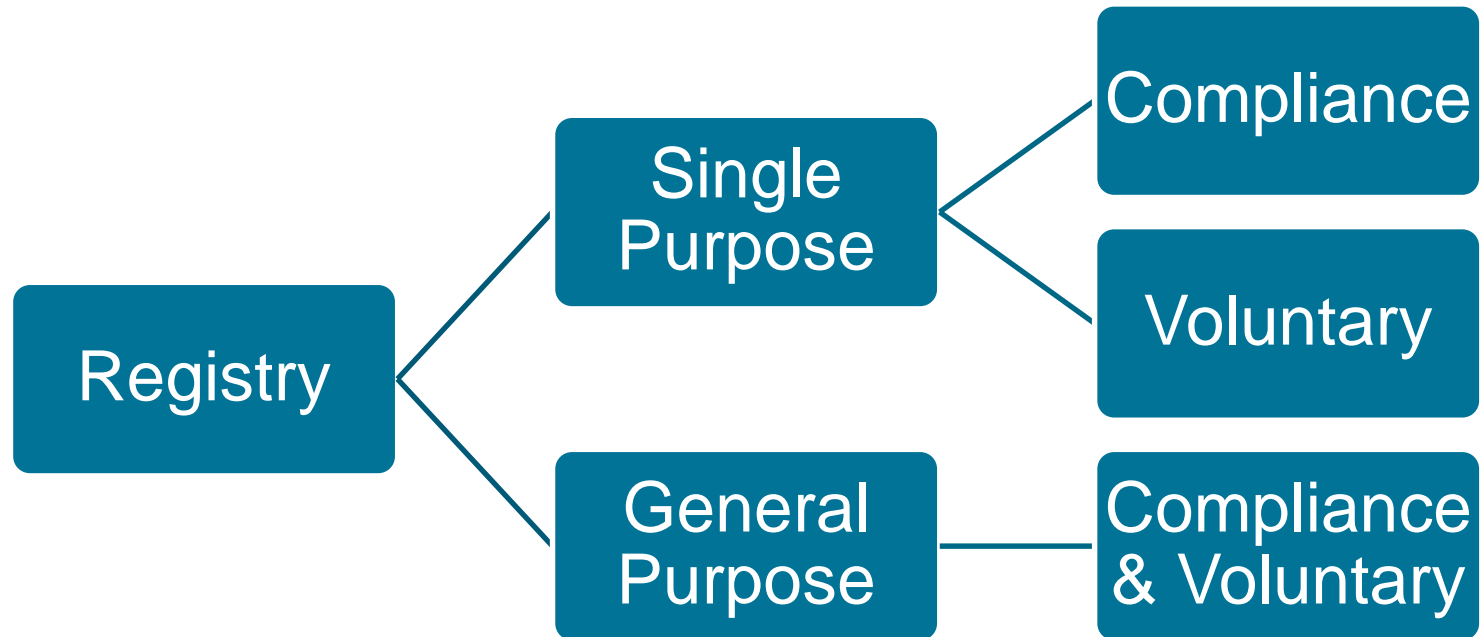
1. Registry 101
2. What is the NEER?
(National Energy Efficiency Registry)
3. How does this Steering Committee's work fit into the larger NEER Project?



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Part 1. Registry 101

Registries: A Range of Shapes and Sizes





Example Registries

For Environmental Attributes

Single Purpose Compliance Registries

- Acid Rain Program Registry
- Ozone Transport Commission NO_x Registry
- RGGI Allowance Registry

Single Purpose Voluntary Registries

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

General Purpose Registries

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

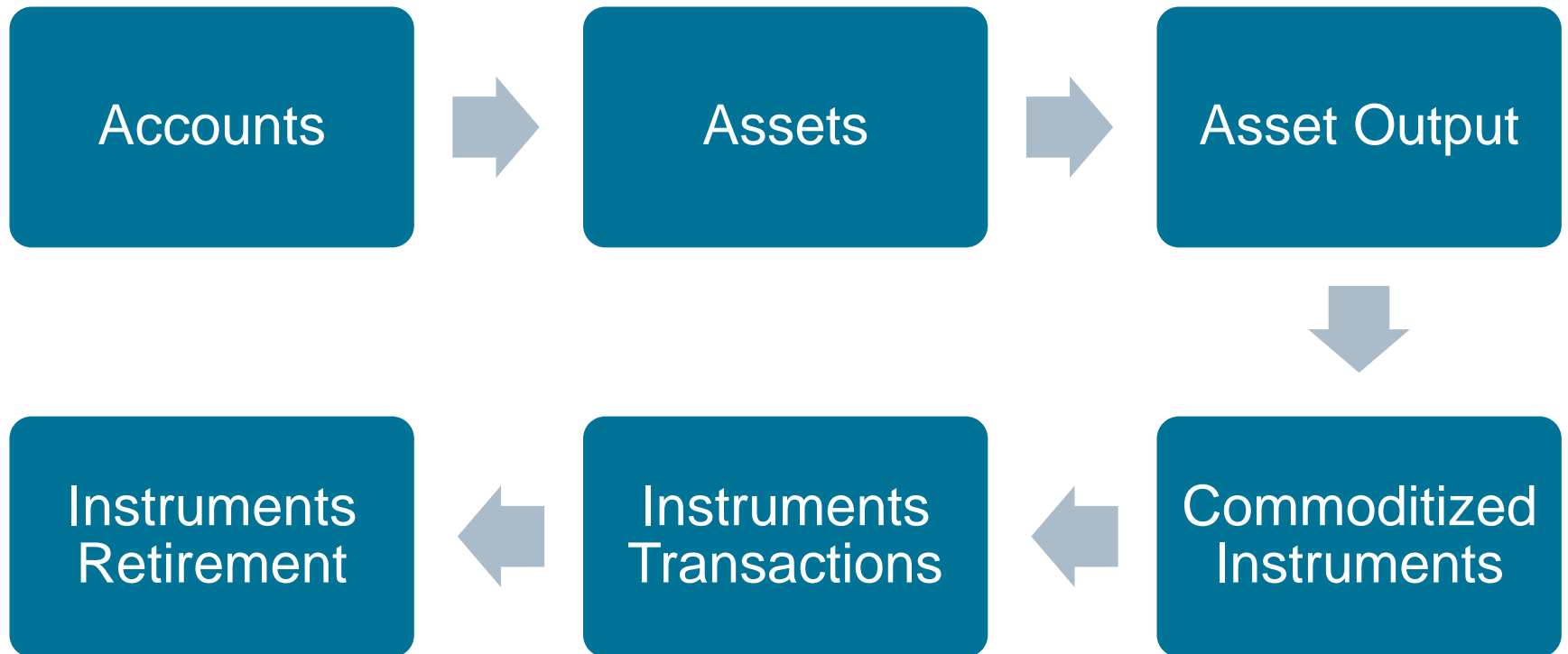


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Good News & Bad News



Basic Registry Elements



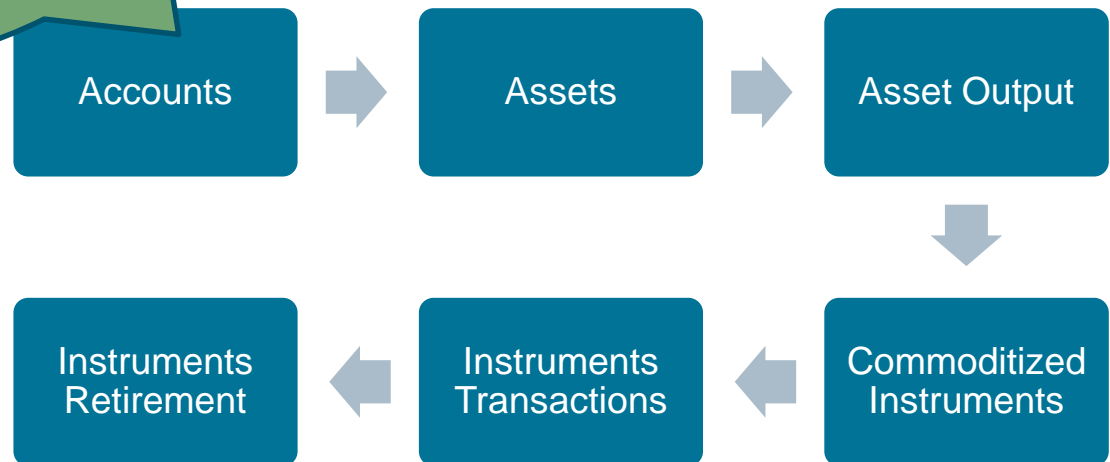


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Accounts

Legally
Responsible
Parties

One Party = One
Account





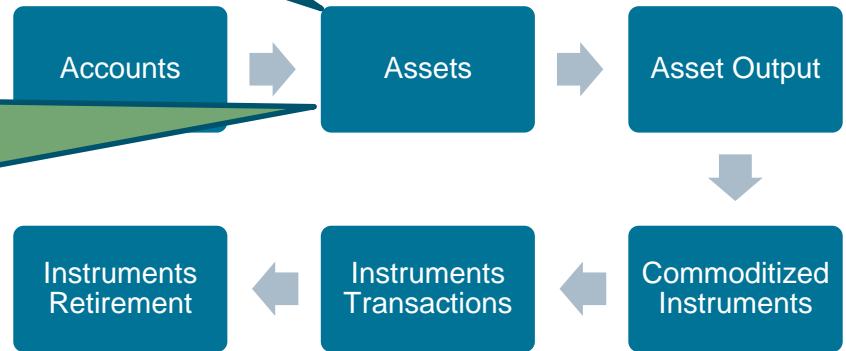
Assets

Projects,
Programs or
Policies

One Account >
multiple Assets; each
Asset only 1 Account

Compliance
programs:
states*
determine
“Eligibility”

“Eligibility”
is recorded
here

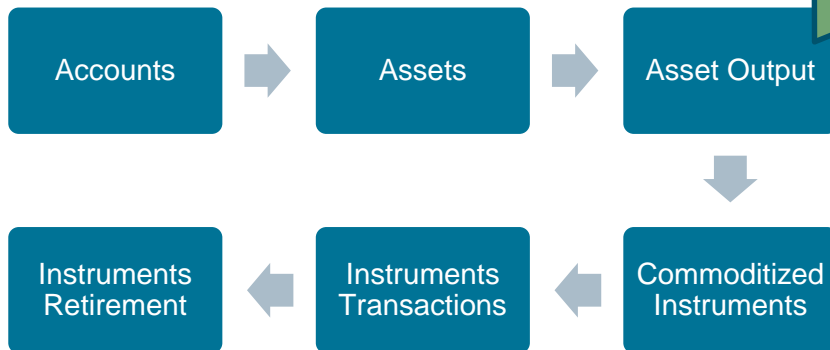


*or their agents



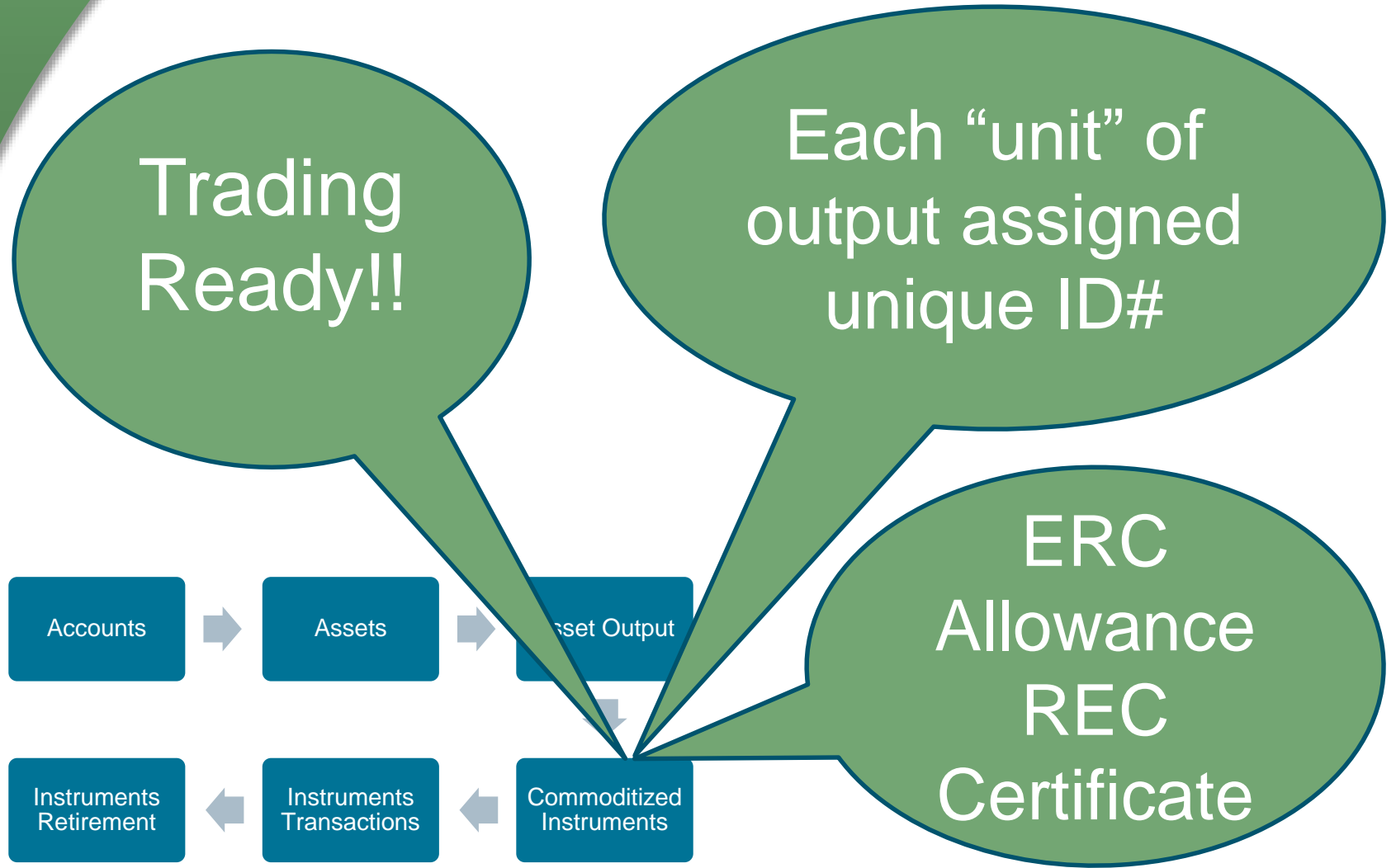
Asset Output

Standard Output
Unit of Measure
&
Measurement Periods

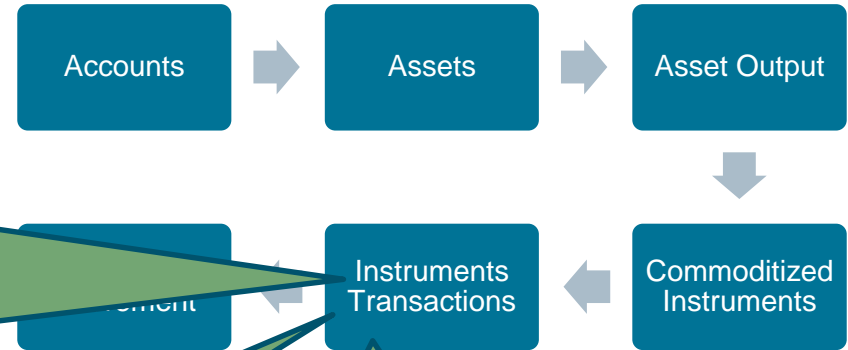




Commoditized Instruments



Instrument Transactions

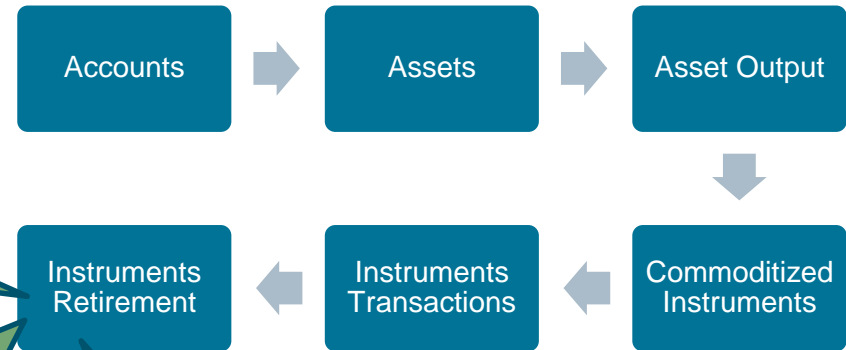


Account for every “unit of output”

Conservation of Instruments

Full “chain of custody”
from Asset Registration to Instrument Retirement

Instrument Retirement



Retired Instruments can be included in Compliance filing

PERMANENTLY

Remove a “unit of output” from trading

Retired Instruments can be used to support a marketing claim



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Part 2. What is the NEER?



NEER Mission

To provide administrative services to state and federal agencies. NEER will enable states to achieve policy objectives through implementation of effective and innovative energy efficiency initiatives.

NEER Administration

The Climate Registry (TCR)¹ will oversee the NEER operations and governance on a fee-for-service basis.

¹An independently registered 501(c)3 non-profit corporation governed by a majority of U.S. states and nearly all Canadian provinces and territories.

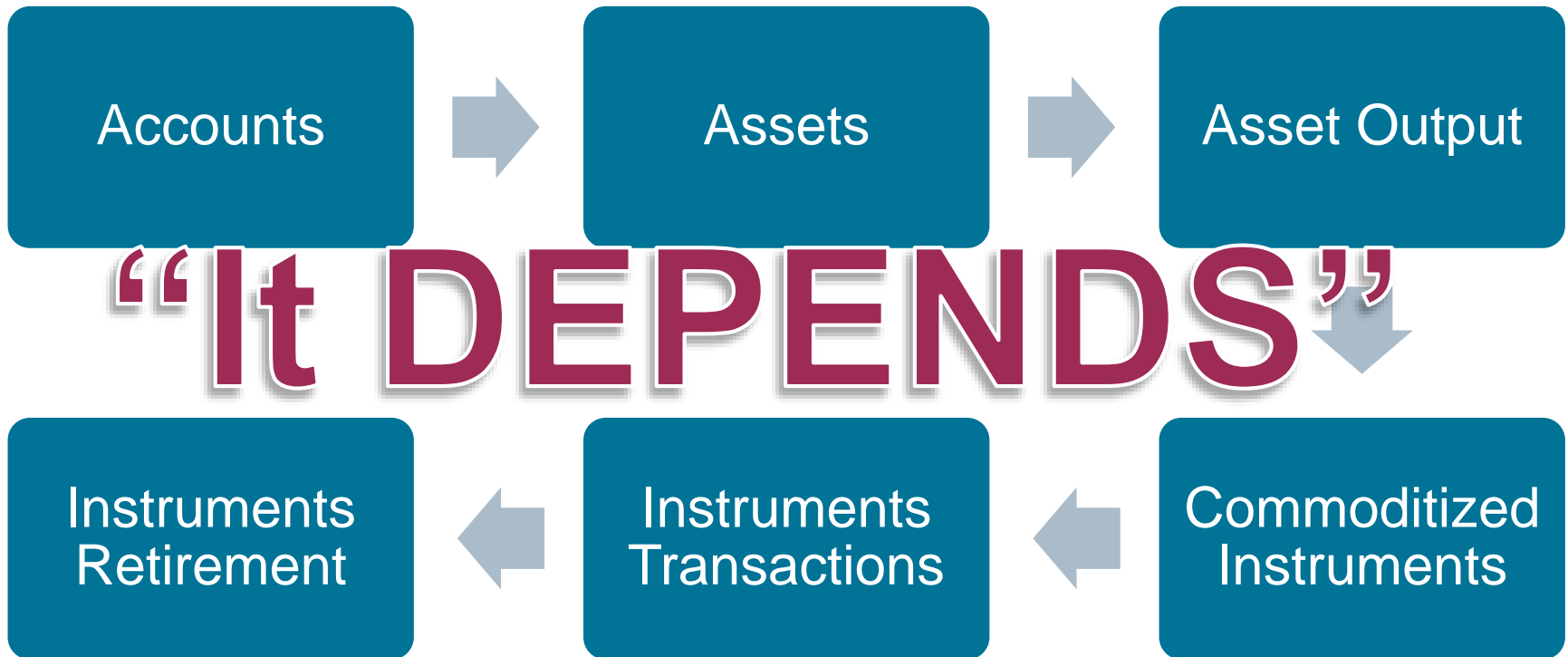


Scope of NEER Services

While specific functionality will be determined by the needs of state and federal agencies, the following are among the types of services NEER is expected to offer:

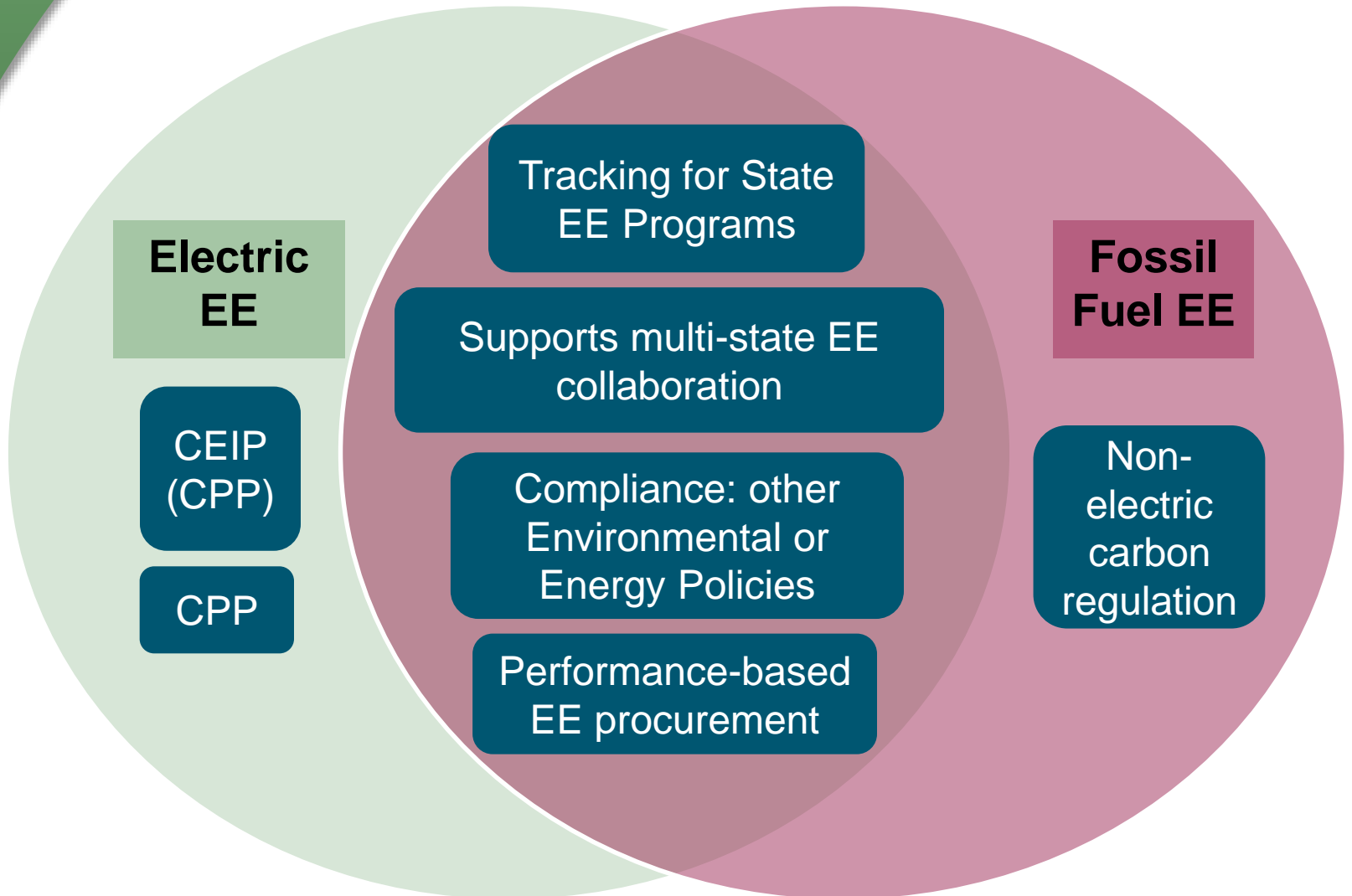
- EE project registration with full disclosure of applicable documentation (EM&V, ownership, savings years) and qualification (including third party verification) as a compliance resource, as appropriate
- Accounting of savings with full disclosure of applicable documentation (EM&V, ownership, savings years) and qualification (including third party verification) as a compliance resource, as appropriate
- Issuance and Tracking of Compliance Instruments including full interoperability with any EPA or other state compliance tracking system
- Documentation of whether savings for a particular year created by a registered project were successfully used to claim tradable compliance instruments, such as CPP ERCs.
- Designated Agent services to perform reviews of applications for qualification as a compliance resource

Which Elements will NEER Have?





National Energy Efficiency Registry: Potential Applications





Part 3.

How does this Steering Committee's work fit into the larger NEER project?



States Initiative on
Principles and
Governance

Policy & Integration
Working Groups



Committee to Draft
Functional
Requirements

Development and
Implementation



States Initiative on Principles and Governance

This Steering Committee's work, including:

- NEER Principles
- NEER operating rules
- Developing a Roadmap for state adoption and implementation of the NEER
- Identify key functional requirements for software platform



Policy & Integration Working Groups

- Organized around energy efficiency sectors
- Maximize the adoption of existing protocols and minimize redundancies
- Define data requirements to meet eligibility standards
- **The TCR team seeks additional funding in 2016 to support working groups for sectors**



Potential Working Group Sectors

- Utility end-user energy efficiency programs
- Performance Contracting projects
- Transmission and Distribution system projects
- CHP Projects
- Large industrial projects



Committee to Draft Functional Requirements

- This team will utilize the identification of the key functional requirement platform components developed under the State Initiative on Principles and Governance and feedback from the Policy and Integration Working Groups into complete functional requirements for the development of NEER software and protocols.
- **TCR seeks additional funding to support the work of CDFR in 2017.**



Development and Implementation Operations

- NEER operational duties, including software development and maintenance, account management and support, state relations, training and ongoing rules and protocol development. Proposing for TCR to administer and shared with partner organizations.
- **TCR seeks additional funding to support NEER development in 2017.**



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Where to begin?



C-NEER: Support of the CEIP

- CEIP has a fixed near-term timeline
- Potential value to many states
- Electric only
- Single eligibility, EM&V and issuance standard
- All projects must be new
- CEIP functionality a foundation for potential NEER applications



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NEER Timeline: Initial CEIP Functionality



2016

Finalize Governance

Propose
Qualification and
Issuance protocols

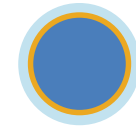
Propose
Functionality



2017

Finalize
Qualification and
Issuance protocols

Build functionality



2018

Begin offering
Qualification
services for
projects based on
CEIP eligibility
criteria

Address any
ongoing issues



Handouts

- Slide Deck
- Initial List of Issues
- Example Issue Papers
- Initial Draft NEER Principles



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Thank you!

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