



The Climate Registry

NEER

NATIONAL ENERGY
EFFICIENCY REGISTRY

Webinar for Michigan Stakeholders

March 21, 2017

9:15 am - 10:00 am EST

(213) 929-4221

(Toll-free): (866) 952-8437



Webinar Logistics

→ To ask questions:

- Use the question box on your GoToWebinar control panel and your question will be read aloud

OR

- Raise your hand and we will un-mute you to ask your question

→ A copy of the slides and a recording of the webinar will be distributed to working group





Michigan Agency for Energy

National Energy Efficiency Registry Michigan Stakeholder Webinar
March 21, 2017

NEER Project Partners

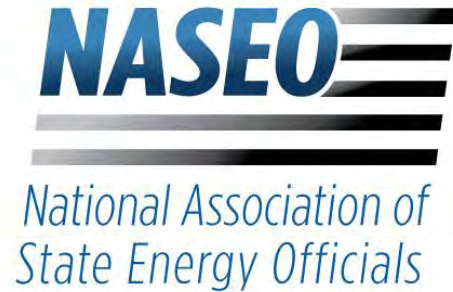


Operating Rules & Roadmap Project

- Supporting project partners:



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- Additional project support provided by:



Webinar Objectives

- Explore National Energy Efficiency Registry (NEER) benefits
- Discuss its potential applications and utility in Michigan
- Obtain stakeholder feedback



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Michelle Zilinkas
Verification Associate
The Climate Registry



About the NEER

- **Central repository allowing the public and private sectors to transparently track attributes associated with energy waste reduction initiatives**
- **Policy neutral**
- **Built on best practice**
 - **Registry design**
 - **Accounting and reporting protocols**
- **Will help states demonstrate progress towards energy goals and potential compliance with existing and future regulation**
- **Will be able to track energy waste reduction and other types of efforts**

NEER = Tool (Not a Policy)

→ NEER will be a software platform

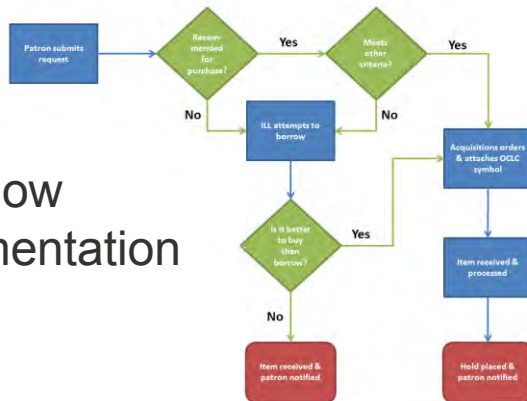
Document management



Transaction accounting



Workflow documentation



2013-10-14 08:39:30

Total number of active orders when JobKey: [blank] Patron's successful orders: [blank]

2013-10-14 08:39:30											Number of records: 877		
Order ID	Patron	Title	Percent received	Distribution Successful	Distribution Failed	Distribution Incomplete #	In Distribution Scope	Collection ID	Type	Information	Count	OK	Fail
2526763		Update for Windows Server 2008 R2 x64 Edition (93200970)	100	7	0	0	7	SP50000	Microsoft Update	https://www.microsoft.com/MSDN/93200970	7		
2574939		Update for Windows Server 2008 R2 x64 Edition (93207465)	100	11	0	0	11	SP50000	Microsoft Update	https://www.microsoft.com/MSDN/93207465	11		
2602486		Update for Windows Server 2008 R2 x64 Edition (93208293)	100	11	0	0	11	SP50000	Microsoft Update	https://www.microsoft.com/MSDN/93208293	11		
2606646		Update for Microsoft Office 2007 x64 (93259660)	100	2	0	0	2	SP50000	Microsoft Update	https://www.microsoft.com/MSDN/93259660	2		
2609696		Update for Microsoft Office 2007 x64 (93259660)	100	12	0	0	12	SP50000	Microsoft Update	https://www.microsoft.com/MSDN/93259660	12		
2602229		Update for Windows Server 2008 R2 x64 Edition (93203229)	100	7	0	0	7	SP50000	Microsoft Update	https://www.microsoft.com/MSDN/93203229	7		
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Compliance Reporting



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NEER DEVELOPMENT PROCESS



NEER Development Elements

Principles and
operating rules +
roadmap for states

Sector-specific
protocol database for
states and programs



Software functional
requirements

Software launch and
administration



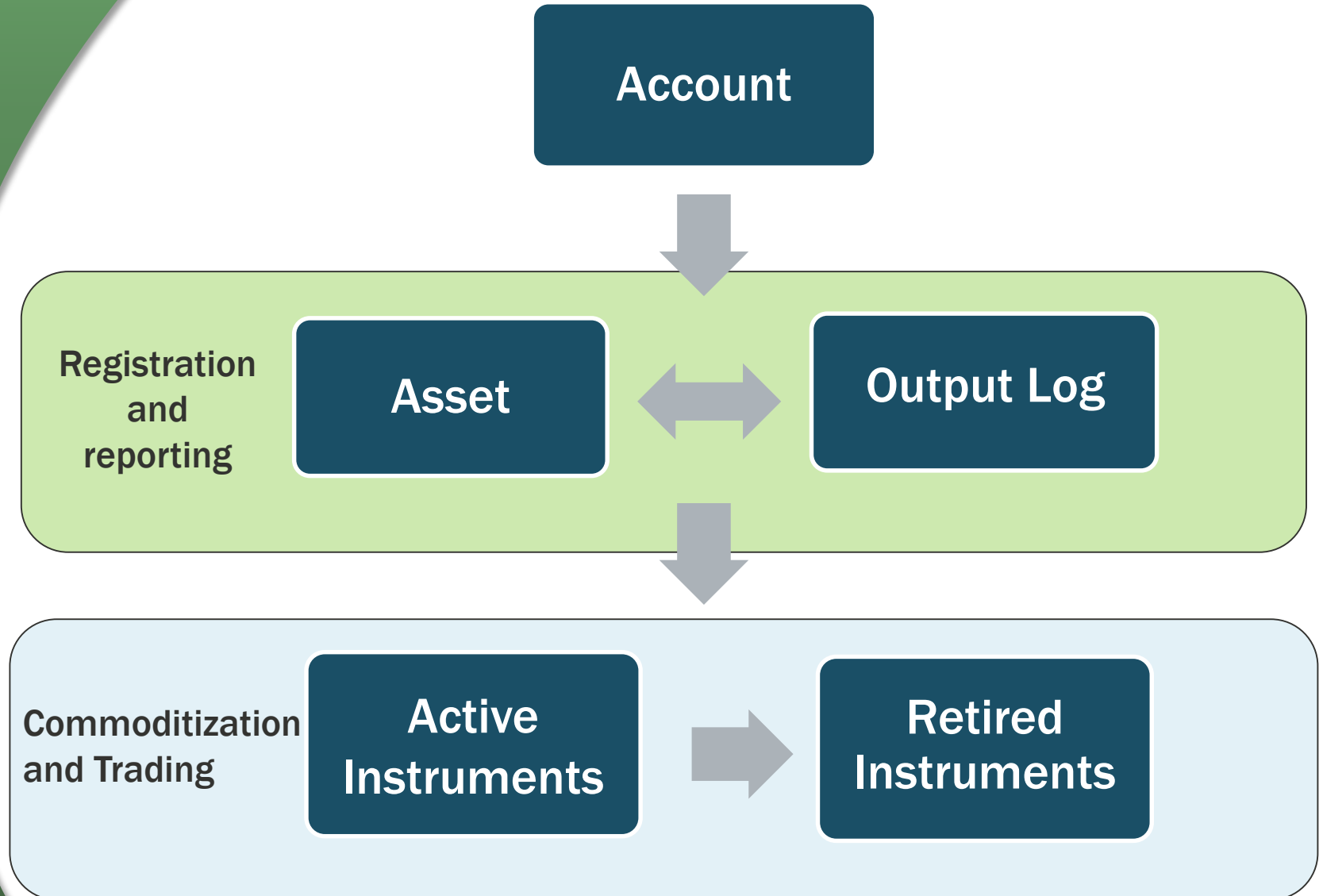
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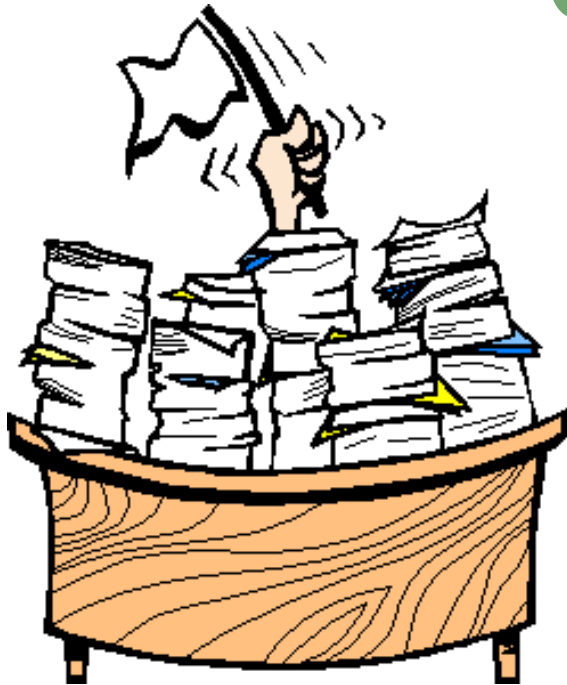
Pat Stanton
Director of National Policy
E4TheFuture

NEER Account Structure





Energy Waste Reduction Registration & Reporting is **COMPLICATED**



- Inspection of installation
- Prove ownership
- Prove no double counting
- EM&V Plans
- EM&V Studies
- Technical Reference
Manuals
- Third Party Verification



NEER QA/QC Framework Registration & Reporting

- **Who** is authorized to submit, review and approve different documents
- **What** documents need to be submitted
- **Where** documents are archived
- **When** have all the steps been completed and all parties agree the quantity savings number is acceptable

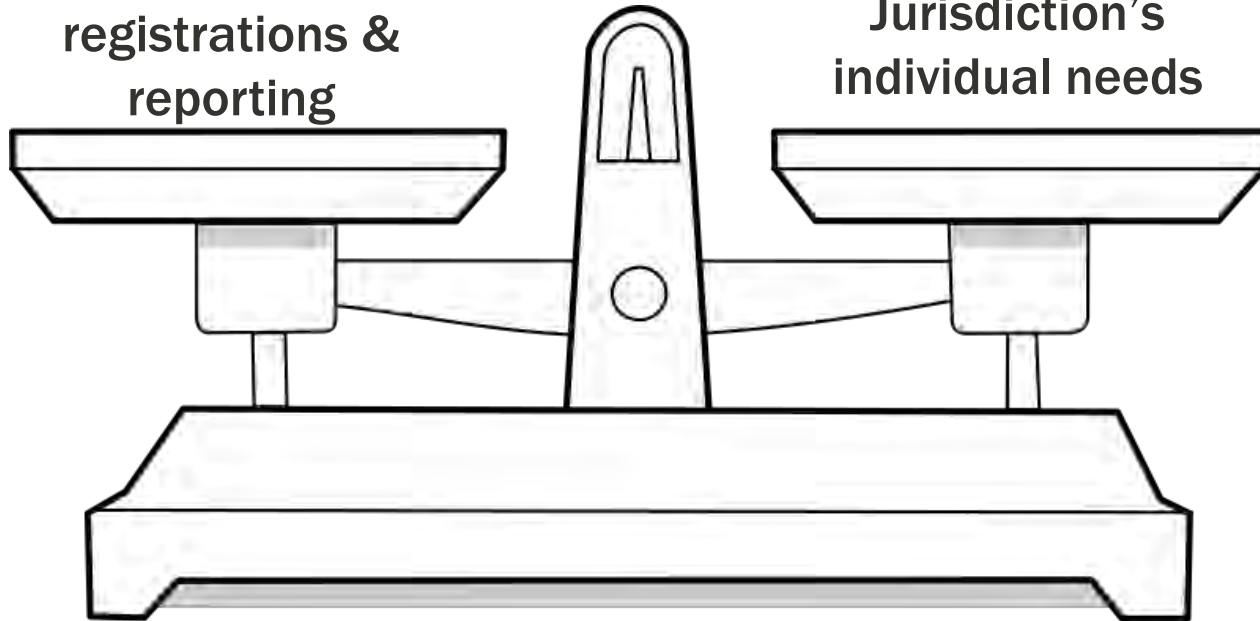


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NEER Value Added: a Digital Platform

**“Off the Shelf”
standard elements of
Energy Waste
Reduction Project
registrations &
reporting**

**Customization to
meet a
Jurisdiction’s
individual needs**





QA/QC Protocol Options

“Off the Shelf”

- NEER Basic: minimum standard designed to support voluntary disclosure**
- NEER Enhanced: designed to support regulatory quality evaluation, measurement and verification**

Customized

- Specific Compliance/Certification Program (SCCP): fully customizable requirements**

Defining SCCP Program Requirements

→ Options for setting up a customized QA/QC Protocol in the NEER

- A.** Adopt NEER Basic or Enhanced
- B.** Use Basic or Enhanced as a starting point for customization such as reference an existing state-specific EM&V approach
- C.** Start from scratch





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How NEER Could Work in MI

PA342

**Energy Waste
Reduction**

MWh

NEER

Avoided Electric Energy

MWh



PA342 Requirements

NEER Functionality

Energy waste reduction plan shall be filed with and approved by the commission

→ NEER Asset Registration with MI specific QA/QC requirements

Energy waste reduction savings

→ NEER Asset Output Log

Energy waste reduction credits

→ NEER Certificates



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QUESTIONS AND DISCUSSION



Registration and Reporting

Poll Question #1: Cost/Payment Structure

What type of cost structure would your organization like to see for an energy waste reduction credit certification and tracking program, such as NEER, in Michigan?

- A.** Fee per MWh
- B.** Fix Fee per program,
- C.** Fix Fee for Registration and volume fee for Reporting
- D.** Other



Information Confidentiality NEER Proposal

- Client Jurisdictions may request compliance reports to be publicly available
- Business Confidential Information will include
 - Asset Output of each Asset
 - The amount and timing of the specific Instrument transfers from one NEER-AH to another





Information Confidentiality NEER Proposal

Poll Question #2

→ Would the proposed definition of business confidential information address your organization's confidentiality concerns about participating in NEER?

A. Yes

B. No

C. Unsure



Verification of Energy Waste Reduction

Poll Question #3:

- How would your organization view a third party verification requirement?
- A. No problem
 - B. Potentially problematic
 - C. Prohibitive



Interoperability

- PA342 requires a method for ensuring that each energy waste reduction credit substituted for a REC is properly accounted for
- National Renewable Energy Facility (NREF) supports imports and exports between registries
 - Process includes continuous automated reconciliation – limited operational support needed
 - Transferred must be approved by recipient before it becomes final
 - Each registry has different rules for what can be imported and what data has to be transferred



Customizable Reports

- PA342 requires utilities to submit annual reports
- MI Template
 - Could design reporting template to meet PA 342 requirements
 - NEER data can be automatically aggregated annually





NEER Development: Next Steps

- **Public comment period**
 - **April 2017 – May 2017**
- **Roadmap for State Adoption**
 - **September 2017**
- **Key functional platform requirements**
 - **October 2017**
- **Questions?**
 - **Email rcassutt@theclimateregistry.org**



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QUESTIONS AND DISCUSSION



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Thank you

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