



**Pacific  
Northwest**  
NATIONAL LABORATORY

# Rebate Processing & Tracking Tools

July 25, 2023

U.S. DEPARTMENT OF  
**ENERGY** **BATTELLE**

PNNL is operated by Battelle for the U.S. Department of Energy



# Agenda

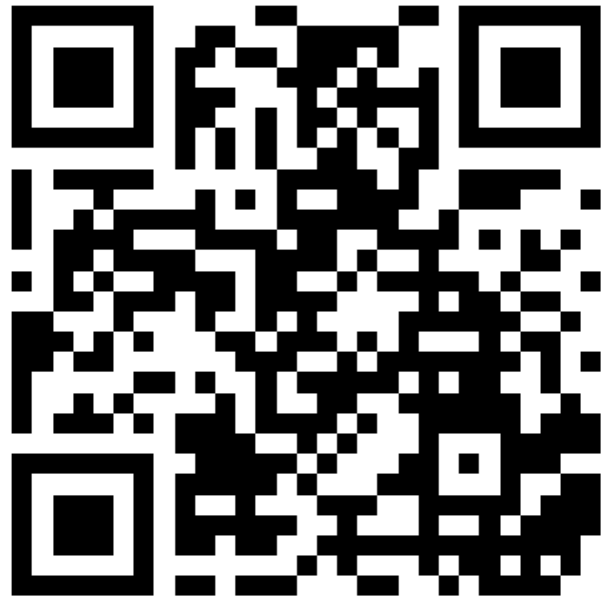
| TIME              | TOPIC  | PRESENTER      |
|-------------------|--|----------------|
| 12:00PM – 12:10PM | High-level overview of the IRA Rebate Programs, roles and responsibilities | Cheryn Metzger |
| 12:10PM – 12:20PM | Roadmap for the IRA Rebate API   | Charlie Holly  |
| 12:20PM – 12:40PM | Review of the OpenAPI specification  | Charlie Holly  |
| 12:40PM – 1:00PM  |  | Q&A            |

## Previous Webinar

- Introduction to IRA funding
    - HOMES
    - Electrification
  - Guiding Principles for Database and Workflow Development
  - Basic Needs to Process & Track Rebates
  - Planned National & State Development Responsibilities
  - Roles: DOE/PNNL & States
  - State-led Income verification
  - Workflows/API overview
  - Webpage details
- Video, transcript, and slides are posted on:  
<https://www.pnnl.gov/projects/rebate-tools>
  - Video link:  
<https://www.youtube.com/watch?v=xgDsGUFGBk>

## Since Previous Webinar

- 16 workflows updated
- Frequently Asked Questions (FAQ's) added



<https://www.pnnl.gov/projects/rebate-tools>

# Guiding Principles for Database and Workflow Development

- Simplify the process for rebate stakeholders
  - States, homeowners, retailers/vendors, contractors, others
- Minimize reporting burden
- Ensure consistent data for tracking & evaluation
- Leverage private sector expertise
  - Rebate processing
  - Income verification
  - User interfaces
  - Other

# Planned National & State Development Responsibilities

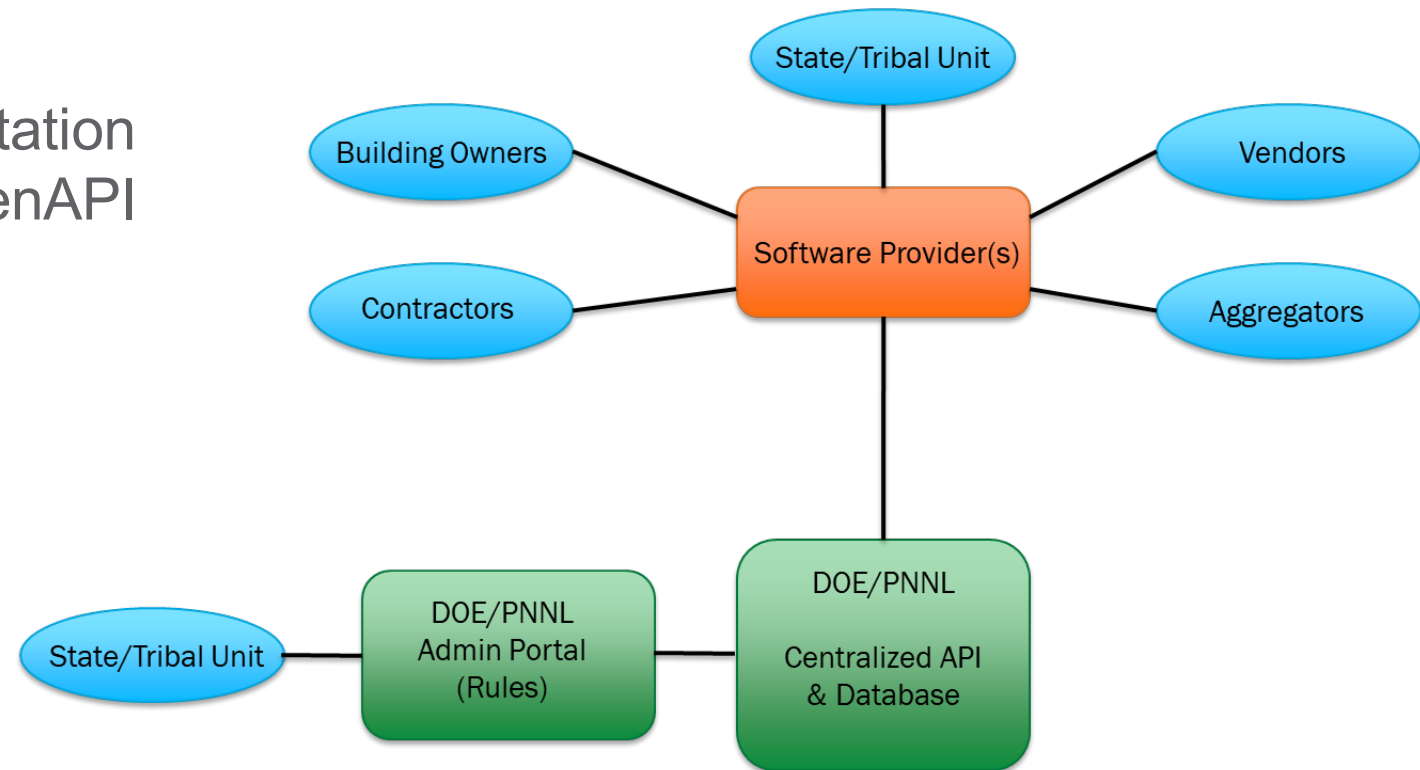
| Function  | DOE/PNNL Development | State-Led (with Private Sector) |
|---|----------------------|---------------------------------|
| National Home Rebate Ledger/Database (Address ID, Rebates)        | X                    |                                 |
| Household Income Verification                                     |                      | X                               |
| User Interfaces for Homeowners & Contractors (& others if needed) |                      | X                               |
| AMI by Zip Code and Number of Occupants                           | X                    |                                 |
| Rebate Reservations   | X                    |                                 |
| Rebate Payments   |                      | X                               |
| Application Programming Interfaces (APIs) to Link Systems         | X                    | X                               |
| Administrative Functionality for States & Program Implementers    | X                    |                                 |

# DOE/PNNL Centralized Draft API Overview

- A REST API
- OpenAPI (Swagger) Documentation
- Seeking feedback on draft OpenAPI spec for the API

## Design Philosophy:

- As simple as possible to use
- As flexible as needed



# API Roadmap

- New v0 API Spec every ~2 weeks until deployment
  - <https://www.pnnl.gov/projects/rebate-tools> (updated this morning)
  - GitHub repository (soon)
    - ✓ OpenAPI Yaml file
    - ✓ Generated HTML
    - ✓ JSON-Schema for request payloads?
- Planned v1 deployment for beta-testing in September



# OpenAPI (Swagger)

- OpenAPI (3.1.0) Documentation: <https://www.openapis.org/>
- Autogenerate client code in many languages
- Autogenerate HTML documentation

# IRA OpenAPI High-Level Overview

- Homes (50121) vs Electrification (50122)
- Reservations and Redemptions
- Electrification Redemptions
  - Flavors: POINT\_OF\_PURCHASE and COMPLETED



# Tour of IRA OpenAPI generated HTML

# Questions?

Further feedback? Please email: [RebateTools@pnnl.gov](mailto:RebateTools@pnnl.gov)



**Pacific  
Northwest**  
NATIONAL LABORATORY

**Thank you**

