



Home Energy Rebates Program Real-time Testing Checklist

January 2026

Prior to providing launch approval to a grantee, DOE requests that the Grantee and/or their partner implementer properly test the **real-time API**.

Below are checklists to help the Grantee meet this launch requirement.

Complete General Requirements for Both Programs

Requirements for 50121 and/or 50122	
Submit the Prelaunch Questionnaire to your assigned Project Officer detailing the program and technical contacts that need access to the PNNL reporting dashboard/API.	☐
Review the introductory video on the API.	☐
Ensure identified staff login and establish their accounts in the <i>sandbox-test</i> and <i>sandbox</i> environments. Temporary credentials, valid for seven days, will be issued by RebateTools@pnnl.gov upon request or submission of a prelaunch questionnaire, allowing users to create permanent credentials. Note: On the top left of the dashboard, there is an indicator informing the user which environment they are logged into, to help ensure users are submitting data in the intended location.	☐
Review the API Swagger Documentation (login required) to determine which API endpoints are relevant to your program.	☐
Review the API schema documentation (login not required) for the data requirements of each API endpoint payload.	☐

Complete Requirements for Sandbox Environment Testing

Test the following in the *sandbox* environment (utilized for both the 50121 and 50122 programs):

Sandbox Environment Testing: Requirements for 50121 and/or 50122

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POST /address-service/addresses to obtain address IDs	☐
POST /applicants to obtain applicant IDs	☐

If participating in the 50121 Program:

Sandbox Environment Testing: Requirements for 50121	
POST /homes/reservations to make a rebate reservation.	☐
POST /homes/reservations/{reservation_id}/files to upload HPXML, BuildingSync, or other required files associated with the reservation.	☐
PUT /homes/reservations/{reservation_id}/extend to extend the expiration date of the reservation.	☐
POST /homes/reservations/{reservation_id}/redemptions to submit a redemption for the reservation and complete the rebate process.	☐
GET /homes/reservations/{reservation_id} to retrieve the details for the reservation and verify it was created as expected.	☐
GET /homes/reservations to retrieve a list of all reservations made.	☐
DELETE /homes/reservations/{reservation_id}/redemptions/{redemptions_id} to delete the redemption made above.	☐
GET /homes/reservation/{reservation_id} to verify that the redemption was indeed deleted as expected.	☐
DELETE /homes/reservations/{reservation_id} to delete the reservation made above.	☐
GET /homes/reservations to verify that the reservation was indeed deleted as expected.	☐
Repeat the process using at least the POST endpoints to include <u>at least one scenario</u> per rebate type , building project type , and income bucket that will be offered in the program. <i>Note: You are not required to delete test data.</i>	☐

If participating in the 50122 Program:

Sandbox Environment Testing: Requirements for 50122	
POST /electric/reservations to make a rebate reservation.	☐

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PUT /electric/reservations/{reservation_id}/extend to extend the expiration date of the reservation.	☐
POST /electric/reservations/{reservation_id}/product-redemptions to submit a product redemption.	☐
POST /electric/reservations/{reservation_id}/install-redemptions to submit an install redemption.	☐
GET /electric/reservations/{reservation_id} to retrieve the details for the reservation and verify it was created as expected.	☐
GET /electric/reservations to retrieve a list of all reservations made.	☐
DELETE /electric/reservations/{reservation_id}/redemptions/{redemptions_id} to delete the install and the product redemption made above.	☐
GET /electric/reservation/{reservation_id} to verify that the redemption was indeed deleted as expected.	☐
DELETE /electric/reservations/{reservation_id} to delete the reservation made above.	☐
GET /electric/reservations to verify that the reservation was indeed deleted as expected.	☐
Repeat the process using at least the POST endpoints to include <u>at least one scenario</u> per building project type , upgrade type , and income bucket that will be offered in the program. <i>Note: You are not required to delete test data.</i>	☐

Complete Requirements to Notify Project Officer

Notify your assigned Project Officer when completed and include:

Checklist of Requirements to Include in PO Notification	
List of users who completed the previous items in this checklist.	☐
Attestation that a comprehensive end-to-end test has been successfully executed and that the program system has successfully simulated making a reservation .	☐
Attestation that a comprehensive end-to-end test has been successfully executed and that the program system has successfully simulated redeeming a rebate (with and without a coupon, if point-of-purchase rebates will be offered) .	☐

Your project officer will work with PNNL to determine if this launch requirement has been met. If you have any questions about reporting, please reach out to your assigned Project Officer. If you need assistance with the PNNL API or dashboard, please contact rebatetools@pnnl.gov.