



RANDOM TESTING & VERIFICATION TESTING UPDATE

Annual Membership Meeting
June 15, 2016



PURPOSE

- ✓ Provides credibility to rated values
- ✓ Confirms product consistency
- ✓ Ensures product availability
- ✓ Fulfills Certification Body requirement



CRRC ROLE

- Administer program by coordinating with relevant parties (manufacturers, collection agencies, EPA, laboratories)
- Ensure consistency and impartiality by following procedures
- Enforce compliance to program requirements
- Attend all EPA trainings
- Report Verification Testing failures to EPA within two days



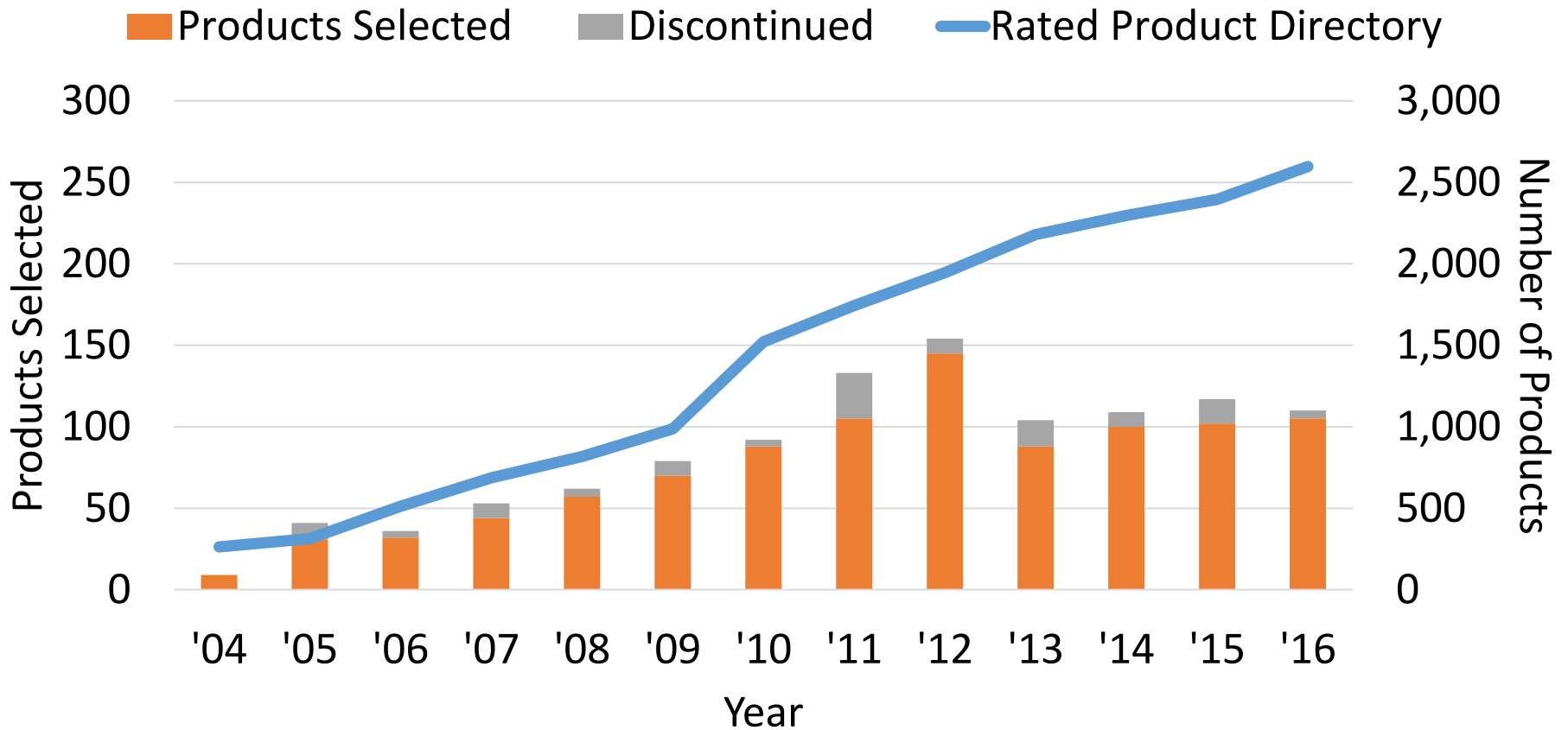
HISTORY

- Random Testing began in 2004
- Random Testing Program increased as Rated Products Directory grew
- Random Testing product selection changed from 10% to 7.7% in 2013
- CRRC became an ENERGY STAR Certification Body in 2011
- Verification Testing Program began in 2012



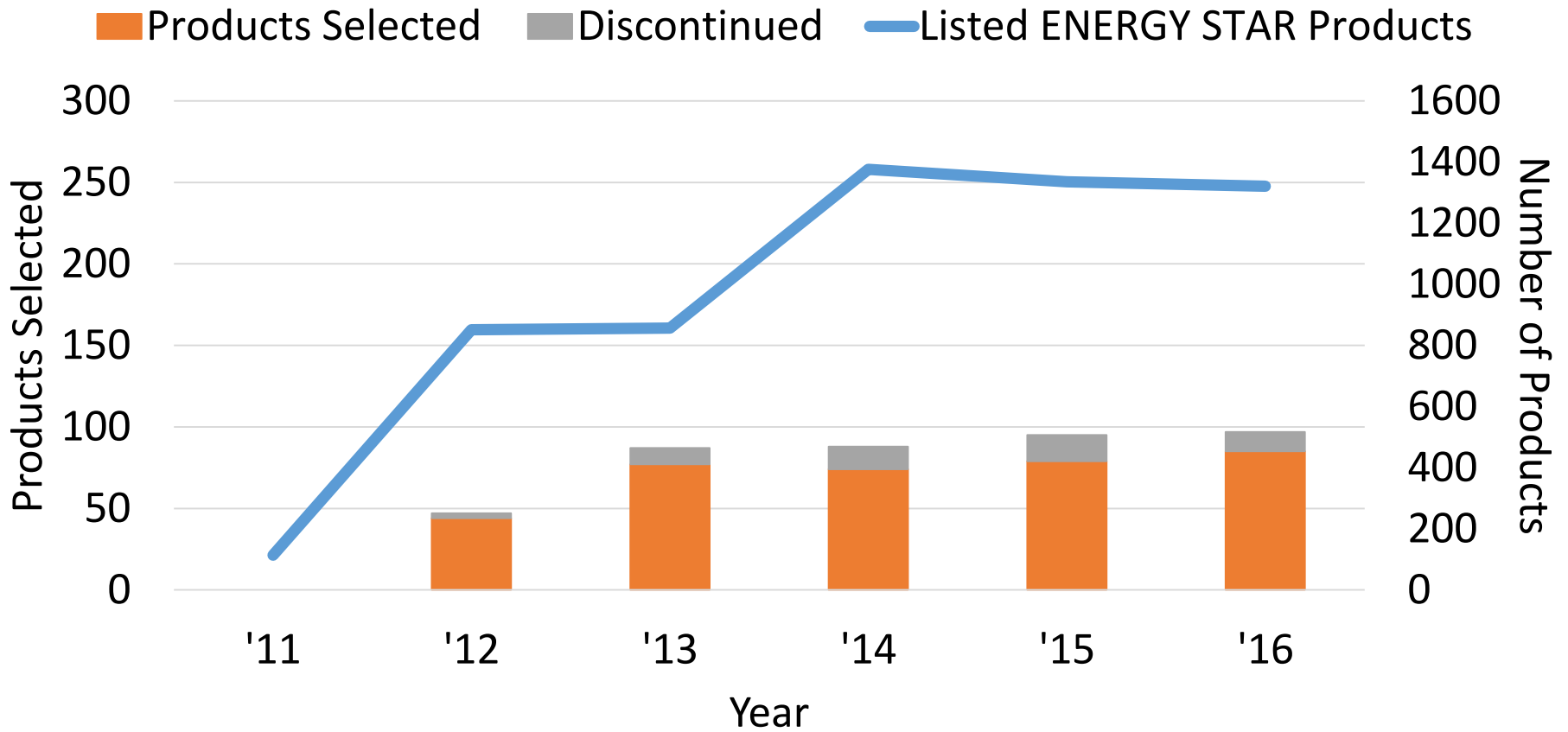


RANDOM TESTING PROGRAM GROWTH





VERIFICATION TESTING PROGRAM GROWTH





RANDOM TESTING WORKING GROUP



RANDOM TESTING WORKING GROUP

- Provides feedback and guidance to Random Testing and Verification Testing programs
- Comprised of industry leaders, technical specialists, and evaluators
- Meetings are convened as matters arise
- Chairman: Rick Olson

Procedure #1

Random Testing Program Policies and Processes

Purpose

Section 3.6 of the Cool Roof Rating Council (CRRC) Product Rating Program Manual (CRRC-1) calls for random testing of listed products in order to verify the values and retain the credibility of the Rated Products Directory. This document describes the Random Testing Policy and the procedures

- 9 tile specimens collected and tested
- Color family products evaluated on initial test values instead of the default



2015 RANDOM TESTING AND VERIFICATION TESTING UPDATE

1. Product selection
2. Request for procurement information
3. Collection of samples
4. Test product samples
5. Review of test results
6. Notify EPA of any ENERGY STAR failures
7. Invoice Verification Testing only products
8. 2nd and 3rd tests of products as necessary
9. Invoice for 3rd tests



2015 COMPLETION

- The 2015 program cycle included many carryover products from 2014
- Highest number of products tested in one year
- 93% of all products complete by Dec 2015

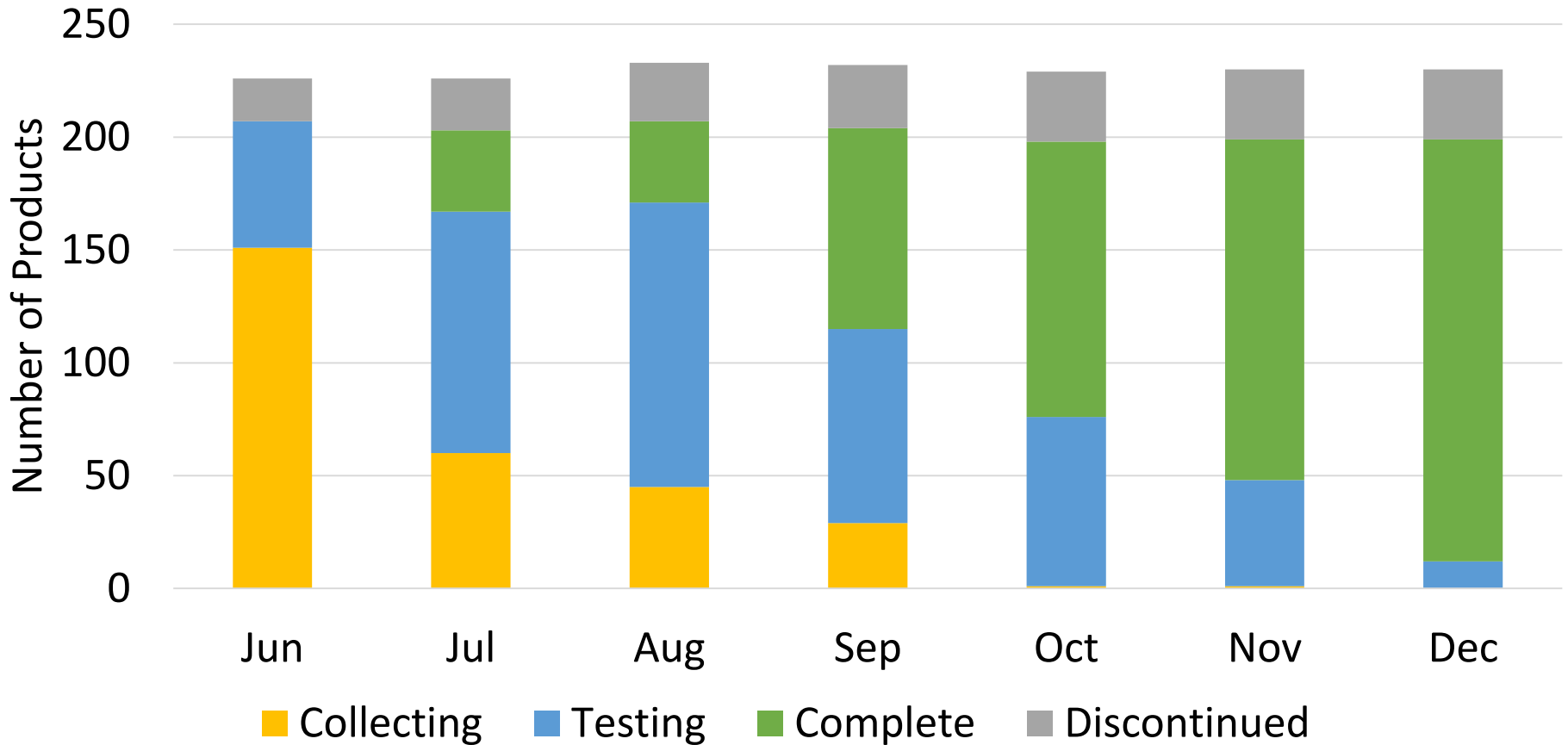


Best Program Year Award
2015

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2015 RANDOM TESTING & VERIFICATION TESTING





2016 RANDOM TESTING AND VERIFICATION TESTING UPDATE



2016 RANDOM TESTING

- Few carryover products from previous years
- Beginning of year product selection
- Rapid completion of procurement information
- Early initiation of sample collection
- Record start to testing and product completion

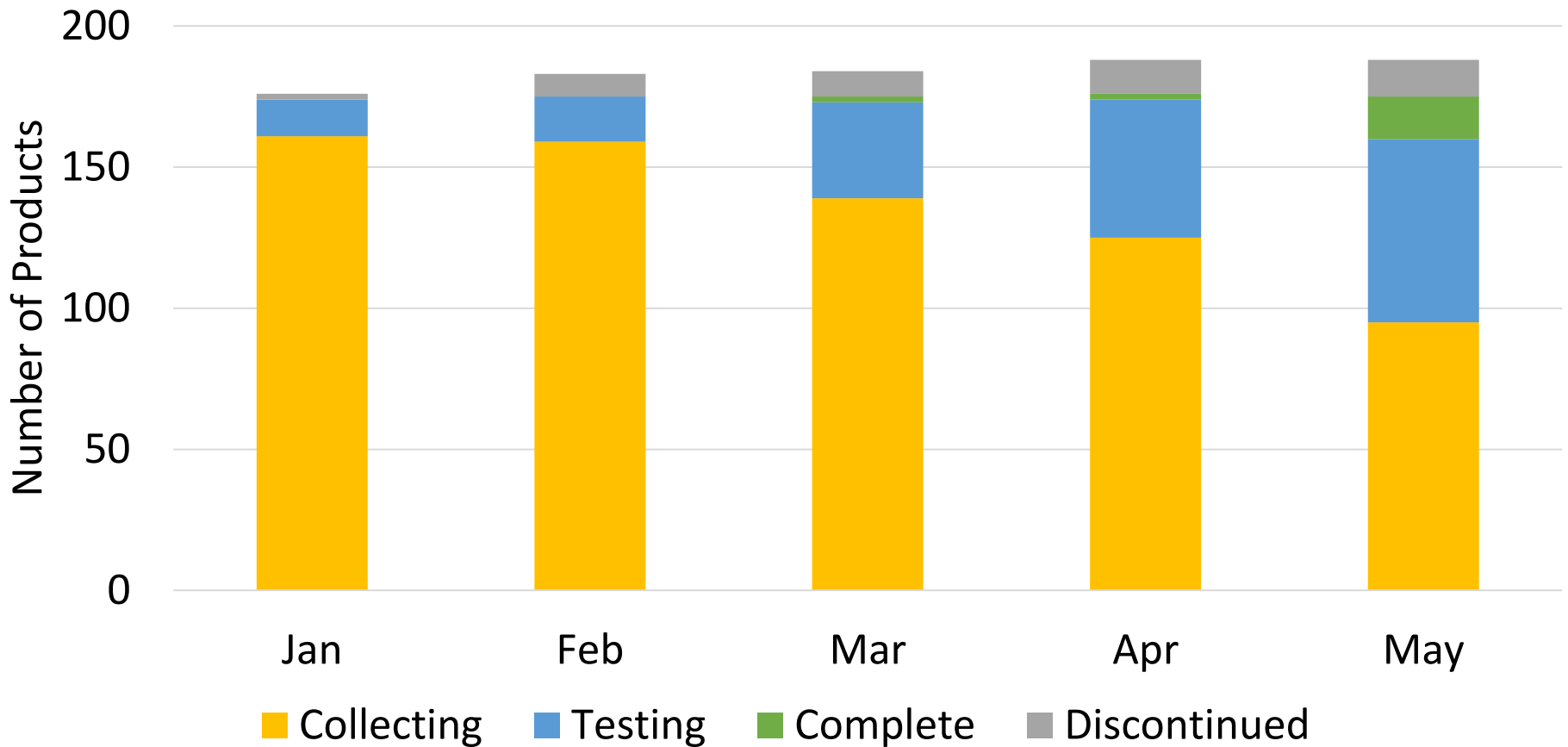


2016 VERIFICATION TESTING

- Verification Testing following same trajectory
- Partners invoiced with product completion
- Partners notified of pass or fail when invoiced
- Products tested in 2016 are invoiced in 2016



2016 RANDOM TESTING & VERIFICATION TESTING





SUMMARY

- Appreciate manufacturers time spent to keep product listing current
- Continue to build best management practices and improve the programs with the Random Testing Working Group
- Huge progress in the last year
- 2016 Random Testing and Verification off to a great start!



QUESTIONS?

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