



ENERGY STAR® Update

CRRC Membership Meeting
Reno, Nevada
June 9, 2011



Timeline

December 2010: CRRC named an EPA Recognized Certification Body

March 21, 2011: Implementation of the ES-CRRC program

April 14, 2011: ES-CRRC releases Agreement and additional program forms

January 1, 2011: ENERGY STAR deadline for manufacturers to re-commit to the program as a Partner

March 31, 2011: ENERGY STAR deadline to re-qualify all existing certified products



ES-CRRC Fee Structure

ES-CRRC Program Fees	Initial Year	Annual Renewal
Annual Fee - Existing ENERGY STAR Standard Rating	\$146	\$40
Annual Fee - Existing ENERGY STAR Color Family Group (Includes Representative Element)	\$146	\$40
Annual Fee - New Standard Rating	\$164	\$40
Annual Fee - New Color Family Group (Includes Representative Element)	\$164	\$40
Additional Fee - Condense Color Family Element to Color Family Group*	\$23	—
Discount for products in both the CRRC and ENERGY STAR programs**	\$77	\$40
Verification Testing - Only Charged if product is selected***	~\$925	



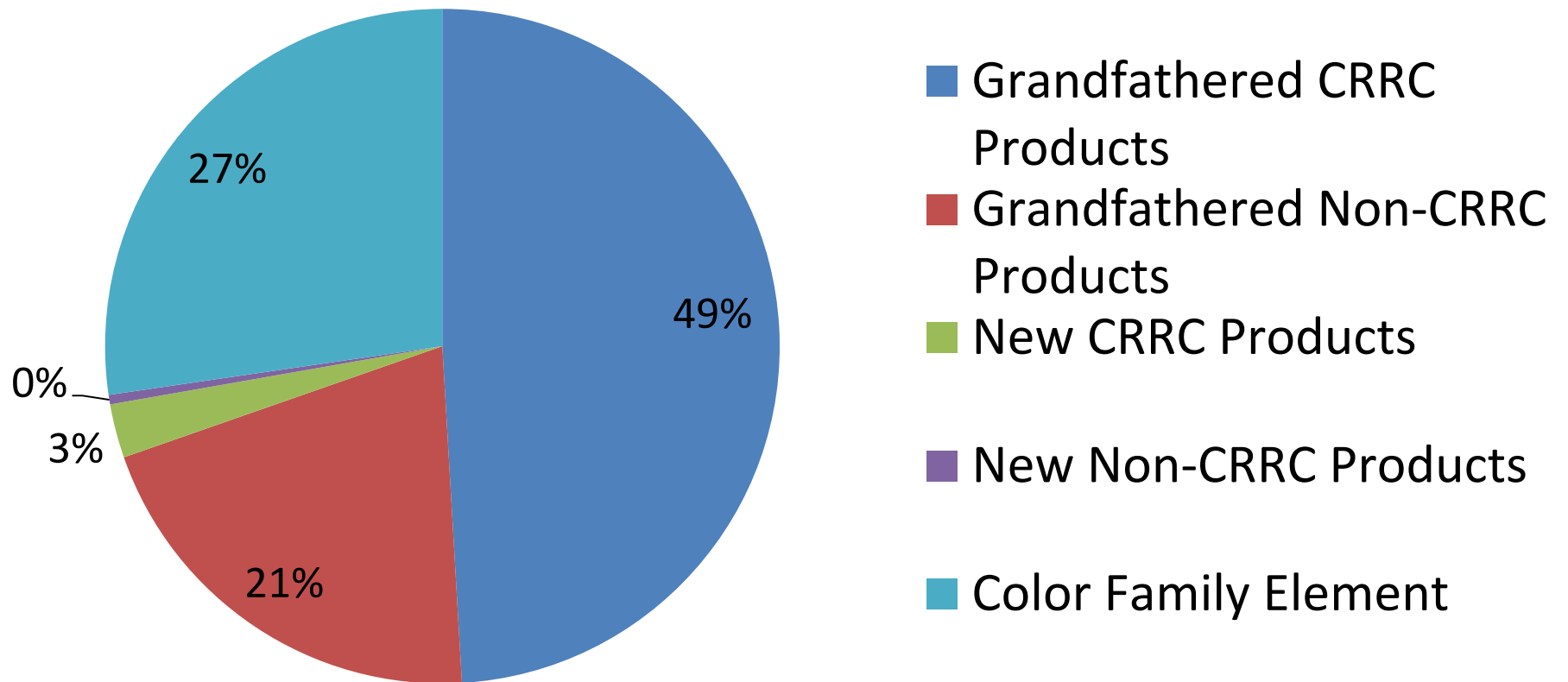
Current Products

93 Partners

	Products
Grandfathered CRRC Products	532
Grandfathered Non-CRRC Products	223
New CRRC Products	28
New Non-CRRC Products	5
Color Family Element	296
TOTAL	1084



Current Products





Color Family Products

Current ENERGY STAR Color Family Program is based off of the CRRC Color Family Program

– Key Differences:

- Both LS and OM's are allowed to create their own Color Families,
 - If a Partner sells another manufacturers products, they may use that OM's representative element to establish their own color family, regardless of whether they actually sell that product.
- Color Family Products will have ALL products listed in same row of Qualified Products List, under "Model Name"

Example:

Company Name	Brand	Model	Type	Initial Solar Reflectance	Solar Reflectance after 3 years	Initial Emissivity	Low Slope?	Steep Slope?	Roof Cleaned Prior to 3rd Year Test*	Warranty Period (Years)**
John Doe Coatings	FAC-0001	Red, Brick Red, Hunter Red, Burgundy	Coating	0.25	0.25	0.83	No	Yes	N	5



Verification Testing

The ES-CRRC Verification Testing Program will differ slightly from the CRRC Random Testing Program:

- Will include OM products
- Only one product from each color family (per each resin/binder material) may be chosen for testing.
- Only one product from a compound rating may be chosen for testing
- Must meet the ENERGY STAR Qualified Roof Minimum Values

Characteristic	Performance Specification
Low-Slope Roof Products - Initial Solar Reflectance	≥ 0.65
Low-Slope Roof Products - Aged Solar Reflectance	≥ 0.50
Steep-Slope Roof Products - Initial Solar Reflectance	≥ 0.25
Steep-Slope Roof Products - Aged Solar Reflectance	≥ 0.15



ES-CRRC vs CRRC PRP

In an effort to distinguish between the CRRC Product Rating Program and the ES-CRRC program, and to recognize that CRRC product ratings follow a more robust program, the following parameters have been set:

- ES-CRRC participants cannot state that its products are certified by the ES-CRRC or market that it is participating in the ES-CRRC Program
- ES-CRRC participants cannot state that they are participants in the CRRC PRP (unless they indeed are)
- Violation fee of \$5,000
- Above detailed in the ES-CRRC Agreement



Ongoing Developments

- ISO 65 Accreditation
- ES-CRRC Program Manual
- ES-CRRC Logo
- Violation Policing Program