BACKGROUND

• CRRC strategic effort to develop a rating program for exterior wall products
• Impacts of solar reflective walls supported by LBNL research project
  https://heatisland.lbl.gov/projects/cool-walls
INVOLVED STAKEHOLDERS

- Paint, Coatings, and Films Industries
- Vinyl Siding Industry
- Pigment and material suppliers
- Government officials
- Test Labs & Test Farms
- National Science Labs
- Non-Profit and Climate Organizations
**TIMELINE**

**June 2019**
CRRC Membership approved scope expansion

**September 2020**
Board approved Wall Rating Program Proposal

**September 2021**
Board approves program launch date

**June 2019–September 2020**
Board approved Wall Rating Program Proposal

**September 2020–Present**
Program & Technical Development

**Early 2022**
Anticipated program launch
WRP COMMITTEE

• Chaired by Dale McIntyre
• Reports to CRRC Board of Directors
• Tasked with developing program rules and guidelines, and evaluating technical topics for the Wall Rating Program
<table>
<thead>
<tr>
<th>VOTING</th>
<th>AFFILIATION</th>
<th>ALTERNATE</th>
<th>AFFILIATION</th>
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<tbody>
<tr>
<td>Dale McIntyre, Chair</td>
<td>Behr Paint Company</td>
<td>Ginger Shi</td>
<td>Behr Paint Company</td>
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<tr>
<td>Alex Nicol</td>
<td>Sherwin-Williams</td>
<td>David Cocuzzi</td>
<td>National Coil Coating Association</td>
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<tr>
<td>Howard Wiig</td>
<td>Hawaii State Energy Office</td>
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<tr>
<td>Ronnen Levinson</td>
<td>Lawrence Berkeley National Laboratory</td>
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<tr>
<td>Steve Drennan</td>
<td>International Institute of Building Enclosure Consultants</td>
<td>Neal Johnson</td>
<td>International Institute of Building Enclosure Consultants</td>
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<tr>
<td>Tim Hebrink</td>
<td>3M</td>
<td>Evan Montanez</td>
<td>Cool Additives Technology (Coadtech)</td>
</tr>
<tr>
<td>Katherine Berry</td>
<td>American Coatings Association</td>
<td>David Darling</td>
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<tr>
<td>Brandon Bethke</td>
<td>Tempo Chemicals &amp; Solutions</td>
<td>Jim Dunn</td>
<td>Ferro</td>
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<tr>
<td>Robert Bennett, Vice Chair</td>
<td>Tex-Cote</td>
<td>Christy Hart</td>
<td>Tex-Cote</td>
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<tr>
<td>Sara Krompholz</td>
<td>Vinyl Siding Institute</td>
<td>Matt Dobson</td>
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<td>Chris Wessels</td>
<td>Dunn-Edwards</td>
<td>Wally Kesler</td>
<td>Dunn-Edwards</td>
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<tr>
<td>Bill Dean</td>
<td>Interested Individual</td>
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<tr>
<td>Joe Kravetz</td>
<td>Tremco</td>
<td>Rankin Jays</td>
<td>Polyglass</td>
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<tr>
<td>Jonathan Parfrey</td>
<td>Climate Resolve</td>
<td>Neetu Jain</td>
<td>Global Cool Green Cities Foundation</td>
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</tbody>
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## Wall Program Finances
(through end of 2021)

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td>$92,100</td>
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<tr>
<td><strong>Expenses</strong></td>
<td>$49,456</td>
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<tr>
<td><strong>Net</strong></td>
<td>$42,644</td>
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</tbody>
</table>

- Sufficient funds raised to cover start-up costs and launch program. Remaining funds will be used to cover costs in 2022
Wall Program Revenue and Expenses (actuals and projections)

- **Revenue**
- **Expenses**

2019: $10,000
2020: $40,000
2021: $40,000
2022: $40,000
2023: $40,000
2024: $50,000
2025: $60,000
SOLAR-REFLECTIVE WALLS IN CODES AND STANDARDS

LEED BD+C: New Construction - v4.1 - LEED v4.1

Heat Island Mitigation with Cool Walls
Pilot credits
SSpc154 | Possible 1 Points

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE
CALGreen.
CALIFORNIA CODE OF REGULATIONS | TITLE 24, PART 11
California Building Standards Commission

HAWAII STATE Energy Office
• Measure products Solar Reflectance and Thermal Emittance
• Three-year weathering in three climate zones
• Color Family Program for paints and metal products
  - Grouped by similar color measurement values
  - Weathering of Representative Elements
  - Additional Elements inherit aged data from REs
• CRRC website will host a Rated Products Directory for Wall Program
• Similar in function to current directory for roof products
RECRUITING PROSPECTIVE PARTICIPANTS

• To rate products, manufacturers must first become a CRRC Wall Program Licensee
• Any exterior wall product can be rated *
• Licensee application & fees: https://coolroofs.org/walls/overview
• Applicants under no obligation to pay until program launch in 2022

* Exceptions are unique products in which a new test method is needed
• WRPC review of program rules and technical requirements in “CRRC-2” Program Manual
• CRRC Board approval of program documents and date for program launch
QUESTIONS?

For more information:
Visit coolroofs.org/walls/overview
Contact Jeff Steuben at jeff@coolroofs.org