



CAPITAL REGION
CLIMATE READINESS
COLLABORATIVE

Building Community Resilience: Extreme Heat Strategies and Funding from Los Angeles and Sacramento (Part 1)

Monday, April 18 | 1:00 - 2:30 PM PT

View the recording [here](#).

Shared Resources

- **Capital Region Urban Heat Island Project:**
<https://climatereadiness.info/uhi-project/#:~:text=The%20Capital%20Region%20Urban%20Heat.range%20of%20heat%20mitigation%20measures>
- **Cool Roadways Solutions Available today:**
<https://globalcoolcities.org/cool-roadways-solutions-what-is-available-today/>
- **Cool Roof Toolkit:**
<https://coolrooftoolkit.org/>
- **Cool Roof Codes and Ordinances:**
<https://coolroofs.org/resources/codes-programs-standards>
- **Cool Roof Rating Council Resources:**
<https://coolroofs.org/resources>
- **Cool Roof Rating Council Wall Rating Program:**
<https://coolroofs.org/programs/wall-rating-program>
- **Extreme Heat Ambassador Sign-up Form:**
<http://bit.ly/LA-Heat-Ambassador-Sign-Up>
- **Global Cool Cities:**
<https://globalcoolcities.org/>
- **Keeping Cool in the Capital Region:**
<https://urbanheat-smaqmd.hub.arcgis.com/>
- **Register for Part 2 of Building Resilience: Extreme Heat Strategies and Funding from Los Angeles and Sacramento here:**
https://civicwell.zoom.us/meeting/register/tZAtdO2qqDwsE9Jdxty_54VOZ45nFOZDsWc
- **Strategic Growth Council Regional Climate Collaborative Grant Program:**
<https://sgc.ca.gov/programs/>
- **UCLA Extreme Heat Campaign Summary:**
<https://ucla.app.box.com/s/lnbw0m4ck63slyzd4g70305cfw5oqk92>

Questions Answered through Meeting Chat

(Q&A Section of this event begins at 52:40 of the recording)

What is the longevity of the cool pavement coatings and which ones are the most cost effective material alternatives?

- “Some of the more robust cool pavement solutions last 10-15 years. I'm aware of two products being installed at scale right now that have a 5-year warranty. Other products last from 3 months to 3 years. We'll have more data the longer the materials are on the roads.”

How do "cool walls" compare to green walls (such as those covered with moss, succulents, etc.) in terms of heat reduction and better AQ?

- “Great question. I'm not aware of any studies that have compared living walls and solar-reflective cool walls. There are benefits associated with both, but there are several factors that will impact temp and AQ for both types of exterior wall surfaces. Painting a wall will typically be the lower hanging fruit; will make more sense for a greater number of buildings; and will likely require less maintenance than a green/living wall. Ultimately, given these factors, cool walls will likely have a greater impact on mitigating urban heating.”

Can the roof tiles be painted after they've been installed?

- “There are a variety of reflective pavement solutions that can be installed over asphalt and concrete.”
- “I recommend contacting the Tile Roofing Industry Alliance for guidance on painting or coating roof tiles <https://tileroofing.org/>. There are also roofing tiles that are factory-glazed to increase their solar reflectivity.”

Is there funding to transform the acres of asphalt in LA County public schools into green space--Trees, native plant gardens and vegetable gardens.

- We should integrate cool paving with more trees. Studies suggest this really reduces ambient temperatures and helps nature-based infrastructure survive extreme heat, too. Extreme heat will affect green infrastructure.