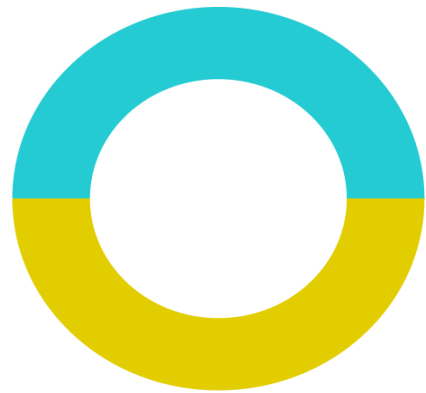




California Adaptation Forum

David Fink
Climate Resolve
September, 2016



Climate Resolve

OUR MISSION:

Climate Resolve's mission is to make Southern California more livable and prosperous today and for generations to come by inspiring people at home, at work and in government to reduce greenhouse gas pollution and prepare for climate impacts.

California State Policy

SB 379 – requires safety element in local general plans to include climate adaptation strategies

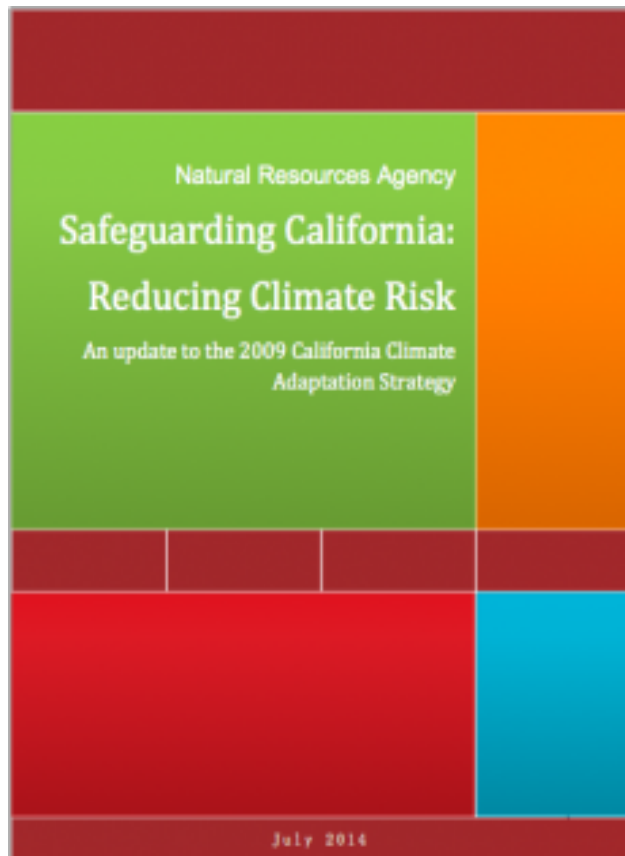
SB 246 – directs Office of Planning and Research to coordinate state and local climate adaptation efforts

Executive Order B-30-15

- Incorporate climate change impacts into the state's Five-Year Infrastructure Plan;
- Update the Safeguarding California - to identify how climate change will affect California infrastructure and industry and what actions the state can take to reduce the risks posed by climate change;
- Factor climate change in state agencies' planning & investment decisions



Safeguarding California



Single Family Affordable Solar Housing (SASH)



most popular ▼

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Single Family Affordable Solar Housing (SASH)

The Single-family Affordable Solar Housing (SASH) Program provides incentives to qualified low-income homeowners to help offset the costs of a solar electric system. The SASH program is overseen by the California Public Utilities Commission (CPUC) and administered by [GRID Alternatives](#), a non-profit organization.

The SASH program offers one up front, capacity-based incentive level of \$3 per watt. The incentive level is the same for all applicants.

SASH Eligibility

To qualify for the SASH Program, applicants must meet the following minimum requirements:

- Must receive electrical service from Pacific Gas & Electric (PG&E), Southern California Edison (SCE), or San Diego Gas & Electric (SDG&E)
- The residence must be occupied by the homeowner/applicant.
- The household's total income must be 80% of the Area Median Income (AMI) or less based on the most recent available income tax return. (Area Median Income is subject to annual changes based upon Housing and Urban Development's income guidelines.)
- The residence must be California Public Utilities Code (P.U.) 2852-compliant.

GoSolarCalifornia.ca.gov

Faulty roofs disqualify approximately one-third of applications in the Los Angeles area.

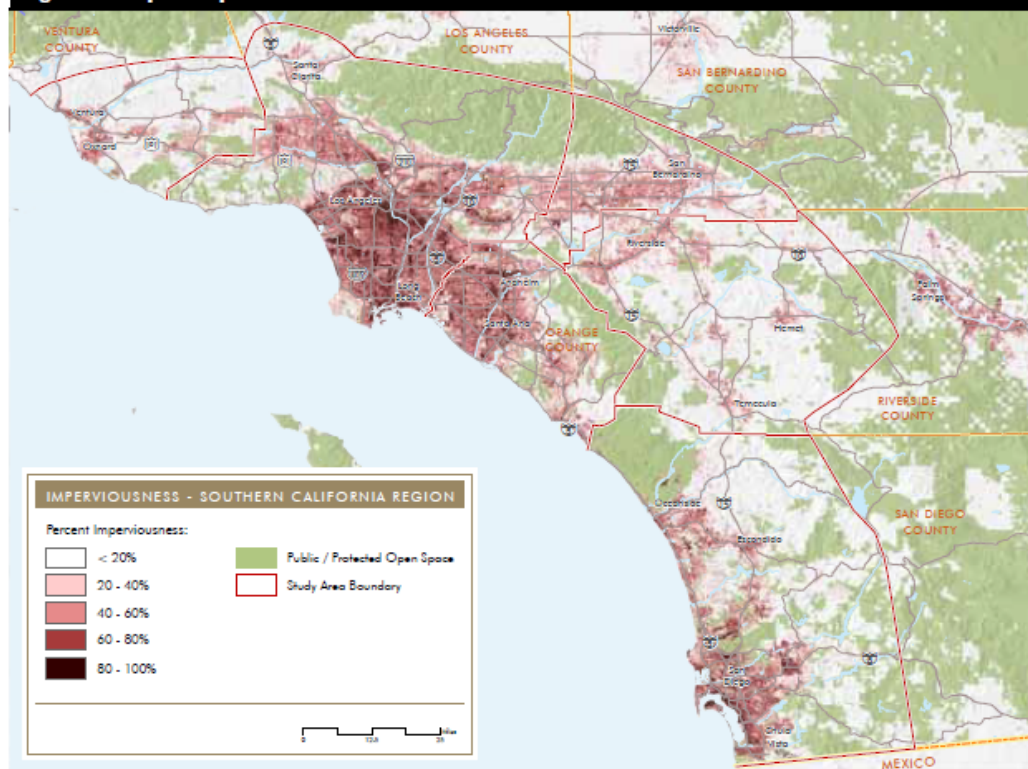
Climate Ready Roofs



solar panels + cool roofs = Climate Ready Roofs

LA is Ripe for Cool Roofs

Figure 1: Map of impervious surface cover in Southern California



Source: NRDC "Clear Blue Future," 2009.

- Hot summers, mild winters
- Dramatic urban heat island
- Poor air quality
- Significant potential: 20% of area is roof

Benefits of a Cool Roof

- ✧ ***Residents will save money on their utility bills***
 - Cumulatively tens of millions of \$ per year
- ✧ ***Decrease greenhouse gas emissions***
 - In Los Angeles, equivalent to 40 metric tons of CO2
- ✧ ***Provide a healthier environment – cooling of 3-12 degrees indoors***
 - Helps public health
- ✧ ***Reduces likelihood of outages, aiding resilience***
- ✧ ***Helps residents survive heat waves***

Benefits of Cool Roofs & PV

- ✧ **Solar panels run at a higher efficiency when placed on cooler surfaces**
- ✧ **Because of efficiency gains a smaller pv installation is required allowing for more homes to receive solar panels**
- ✧ **A rare project that achieves both mitigation and adaptation**

Climate Ready Roof in South LA



Happy Homeowner!





Thank You!

David Fink
Director of Policy
Climate Resolve

dfink@climateresolve.org