Presented by Greg Spotts
Chief Sustainability Officer
At night, you can see LA’s warm roads and airports on satellite thermal imagery.
2017: StreetsLA installed cool pavement coating on one city block in each of the 15 Council Districts
May 2019: First Neighborhood-Level Cool Pavement Project in Winnetka
Cool Seal on 11 Residential Blocks along the crescent of Stephanie Drive

![Image of street under construction]

![Image of street map]

![Image of street under construction]

![Image of construction vehicle]
Cooling Effects of the Winnetka Project are visible from Space

ECOSTRESS thermal camera aboard International Space Station: Land Surface Temperature 08/14/2020, 4pm PST (Source: Glynn Hulley, JPL/NASA)
Cool pavement = all pixels within 100m of cool pavement streets branching off Stefanie Dr
Neighborhood = all remaining pixels in neighborhood block

Effect of cool pavement is ~2 °F cooling with respect to rest of the neighborhood (day and night).
Next Phase: 200 city blocks of cool pavement coating and planting of 1900 shade trees across 8 underserved neighborhoods

- Red-shaded neighborhoods have the highest heat risk, lowest tree canopy, and highest risk from environmental pollution (CalEnviroScreen)

- Labeled neighborhoods were selected by StreetsLA as best candidates for multi-faceted urban cooling projects in FY 21-22 (assistance from Trust for Public Land, Climate Smart Cities mapping tool)