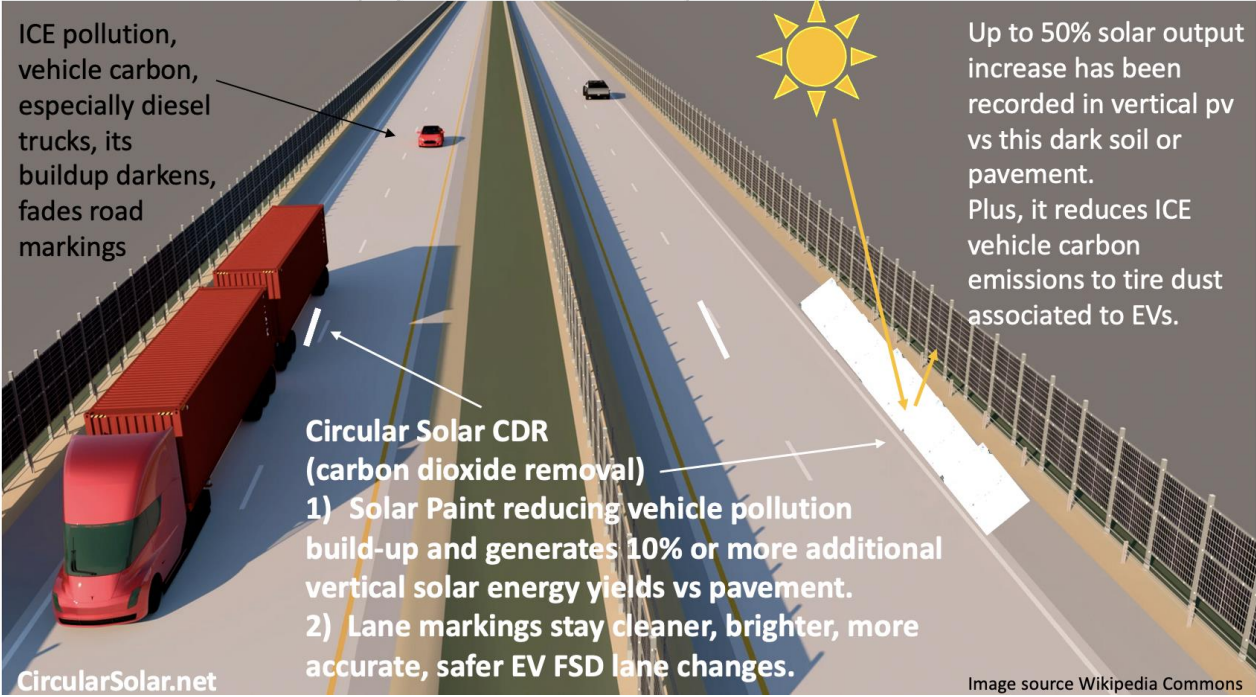
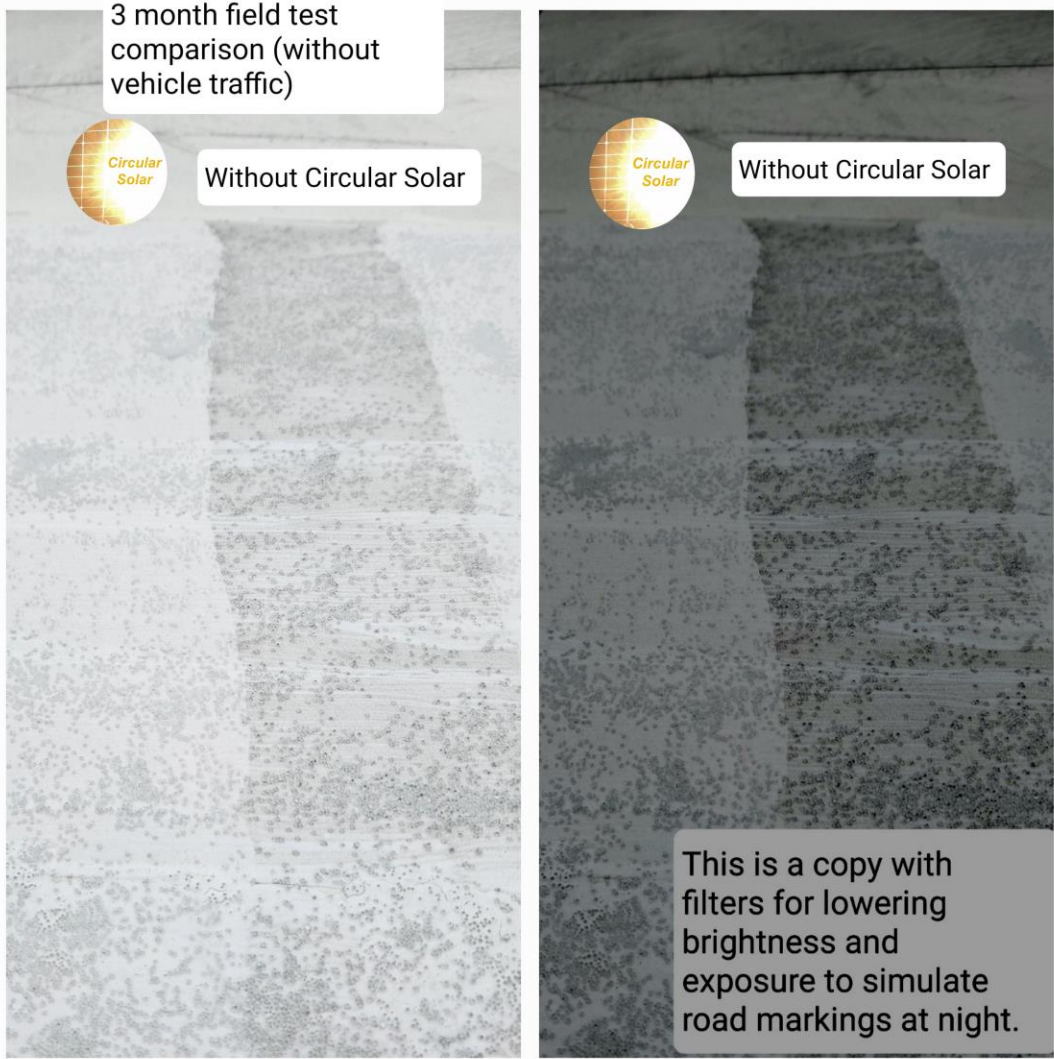


Updated Field Test R&D for Circular Solar CDR (carbon removal) Highways and applications: for safer road markings supporting AV FSD permitting and cooler, reflective Solar Paint for CS Highway PV (future wireless charging) and product for AI Data-Center's for carbon management parking spaces, concrete buildings, rooftops (remain white, reflective cooler; less water required for interior cooling).

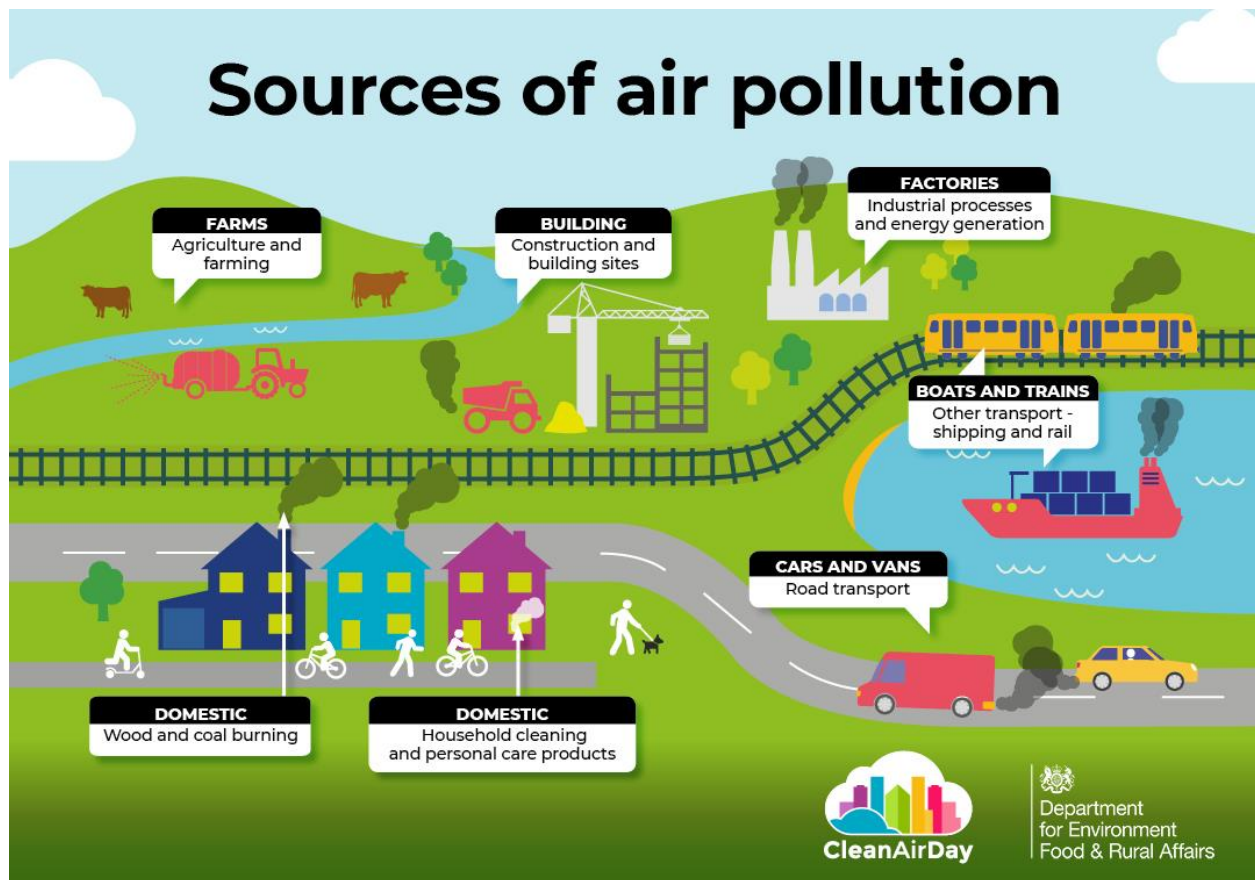
Circular Solar CDR Highways: Increasing canopy or vertical solar efficiency and vehicle safety with brighter, cleaner road markings. This helps keep EVs, such as Tesla FSD safer when using “Auto Lane Change” because the reflective markings stay cleaner, brighter in low light, dirty when high carbon pollution events, or something covering the pavement. Circular Solar’s vertical efficiency record is 50% higher output vs dark albedo when the sun is directly over top vertical pv. Circular Solar is also a landfill diversion project to ensure a cleaner planet, “Buy Clean” and American Made



August 16th, 2025: The test section was added in May 2025 Onto the testbed in the high emissions and pollution location (including freeway particulate buildup). It was rinsed with water one time during this time-period. We see the Circular Solar section is much cleaner, more reflective (bright white, or for the solar portion, reflective off-white or green glass CDR paint) for safer road markings in low light which can equate to less traffic accidents and health care costs and support AV FSD. – Founder, Cherise Petker, CircularSolar.net



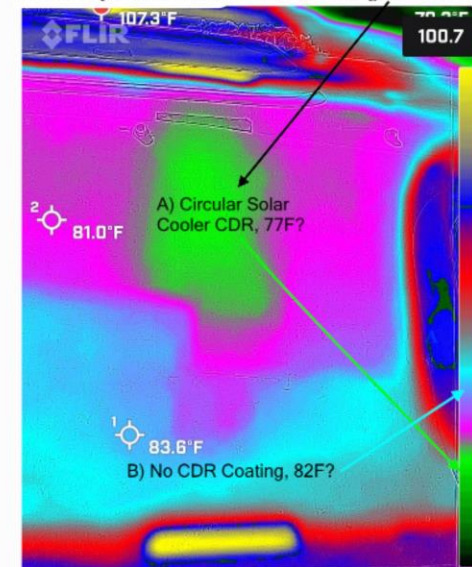
Sources of air pollution



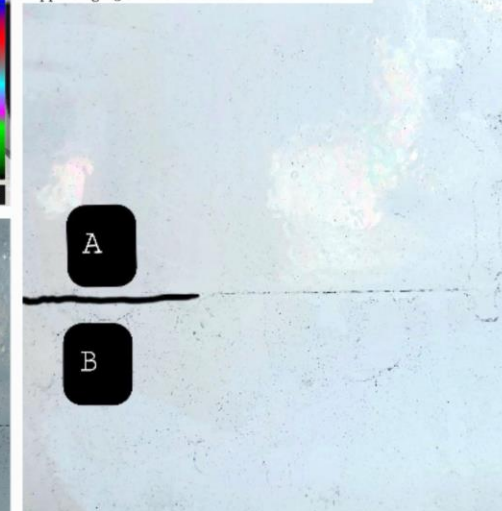
Circular Solar CDR

9 month field test by HWY 880 removing NOx, SOx, PM, potentially PFAS/6PPD. Utilizing waste-stream materials with Solar panels as well

PM from Port, trucking, vehicle, rail PM, NOx are visually seen reduced. As well as it being cooler infrastructure



Generating more solar-battery energy, lab tests are up to 92% NOx (diesel exhaust) reduction of carbon captured from build-up on CS repurposed solar materials that is also cooling infrastructure supporting 1.5C Paris Threshold



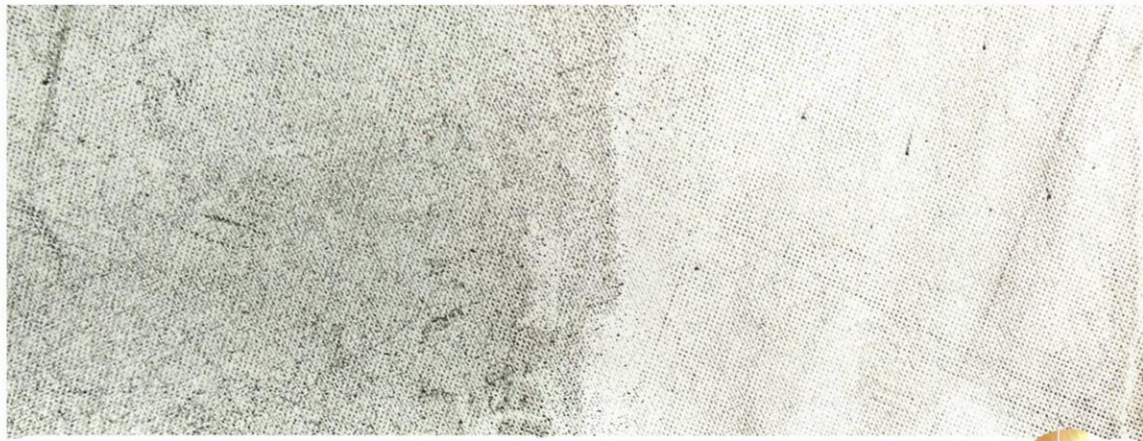
“Real-life” one-year CDR environmental comparison tests, impact field study results:

Portside pollution buildup and scalable breakdown, removal for environmental restoration



Pollution buildup >

Signs of algae bloom



21 months of airborne
pollution buildup

R: Circular Solar
nanotechnology removal



Scalable CDR, breakdown,
removal for cleaner stormwater
runoff >

Signs of river, ocean alkalinity
enhancement *

* This real-life example completes the water remediation results from a small CDR infrastructure pilot installed in 2008 validating plant and soil benefits [seen at the bottom of this page](#).

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12 month marine growth. Top half suffering algae bloom. Bottom healthier, restored from solar panel shade and less carbon, tire, brake dust pollution runoff and carbon conversion byproduct; calcium nitrate – Circular Solar

