



STOVER SEED®

## Erosion Control Field Research

### Dust Suppression in Difficult Environments: LA County Solar Farm Showcases Successful Mitigation Strategy

Solar farms are a growing trend in the Southwest, but these exciting new energy sources present a number of erosion control challenges. In the LA County high desert, dry soils and scouring winds disturb surface soils and create airborne clouds of particulate matter that can disturb adjacent properties. In addition, these unique environments make adherence to AQMD (Air Quality Management District Guidelines) mandates problematic.

Case Study – Recently, an LA County solar ranch operator contacted Stover Seed to discuss dust mitigation strategies after an adjacent property owner complained about high levels of dust coming from the ranch. A Stover Seed consultant met with the solar farm manager to discuss a range of dust control options. After considering materials and application methods, and with an eye toward optimizing aesthetics, a hydroseed mixture of wood mulch, binder, and native seed combination was applied.

#### Benefits:

- 100% biodegradable
- Non-toxic materials
- Light vegetative footprint facilitates ongoing maintenance of solar panels
- Seed mixture selected to survive summer, and kick into gear after periods of rainfall
- Native seed mixture is low-growing and thrives in low-water environments



- No dust problems after application of mulch/binder/seed combination

#### The Result:

- Adjacent property owners no longer bothered by dusting problems, and are satisfied with the outcome
- Solar farm management can ensure compliance with stringent air quality standards.



Stover Seed consultants can help you solve erosion control challenges with a wide range of seed mixtures, mulches and binders. The experts at Stover Seed are crisis managers and troubleshooters when re-vegetation is critical. Nearly 85% of Stover's erosion control products are site-specific, customized mixes created for each client's region.



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