

## Why Sierra Club California Supports a Fair TAC

Jim Stewart, PhD, Co-Chair, Energy-Climate Committee

- ▶ The TAC adds about 3¢/kWh to the price of rooftop solar, a huge impact.
- ▶ This market distortion unfairly favors centralized generation in remote areas.
- ▶ Eliminating the TAC market distortion would result in more distributed generation (DG) in built-up local communities and less in pristine deserts.
- ▶ This has huge implications for California's habitat and pollution.



## DG benefit: dual use siting reduces land use impacts

**DG**



**Centralized, remote generation**



## Ivanpah Solar Electric Generating System



Covers 6 square miles of pristine public desert land.

Desert solar requires leveling the desert:

Destroying the crust which holds in soil carbon and reduces dust,  
Killing endangered species like the desert tortoise.



**DG benefit: less transmission reduces energy losses which means less generation required to meet demand**

**And, transmission lines require disturbing more pristine land**

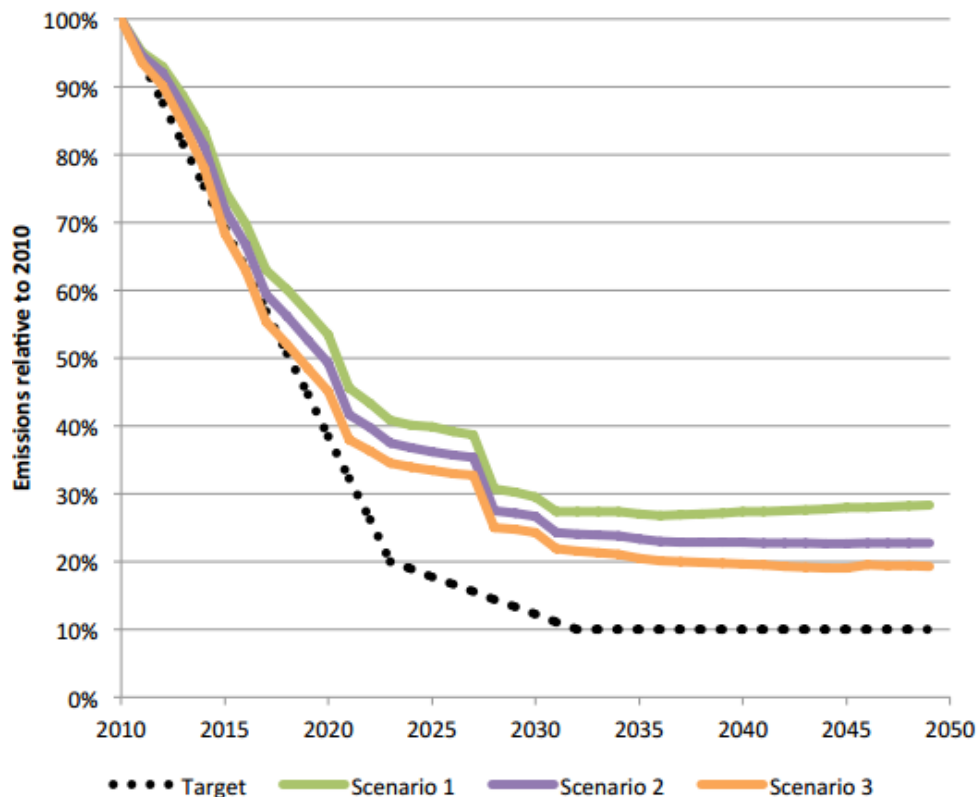


## More DG means less polluting natural gas power generation



## DG helps us meet clean air goals

Statewide NOx



**DG additional benefit:  
Local resilience during storms, fires, heat waves, and power outages**

