



Energy+Environmental Economics

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# Renewable Energy Benefits

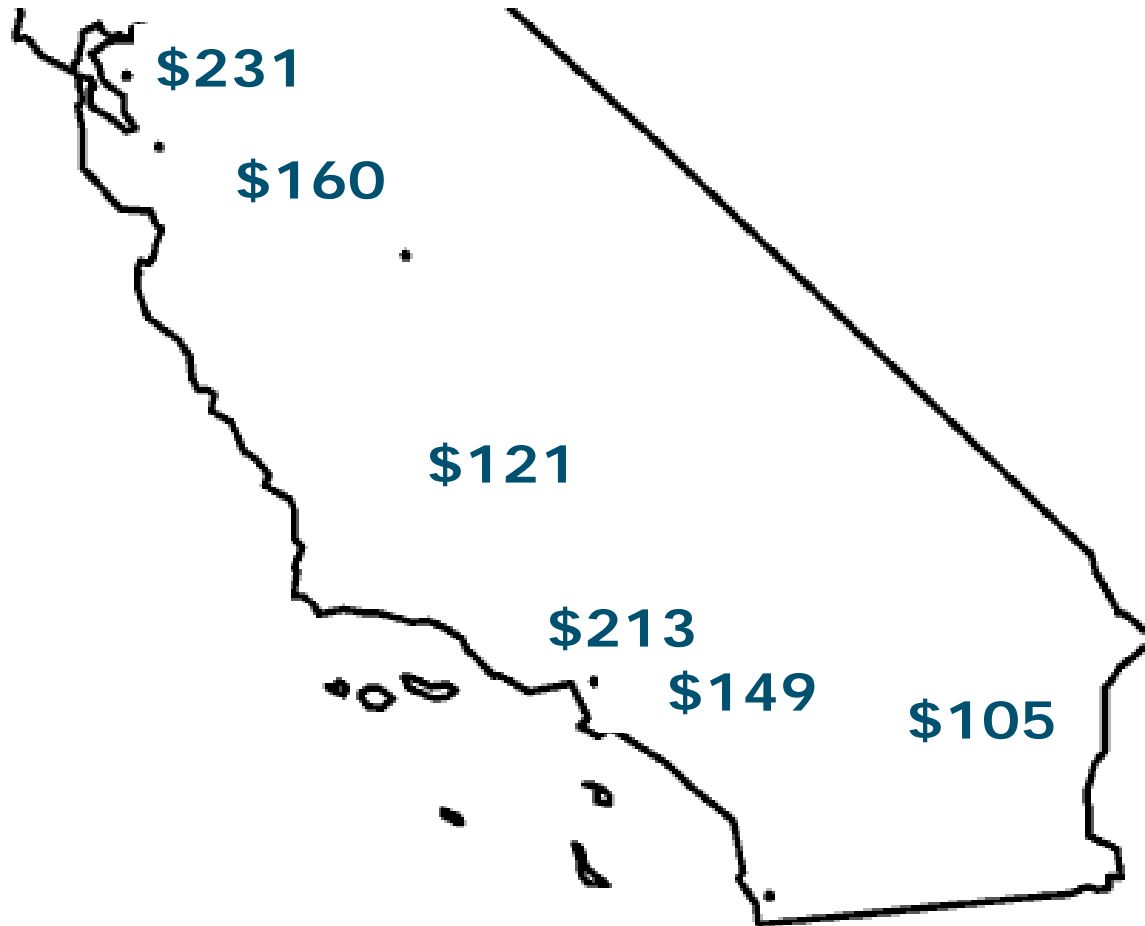
California Energy Commission IEPR Workshop

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Energy and Environmental Economics



# Solar PV Costs Vary Dramatically by Location (\$/MWh)



Source: CPUC 33% RPS Calculator, April 2012



# Does “Local” Siting Really Lead to Local Benefits?

- + Ratepayer costs and benefits are experienced utility-wide**
- + Construction impacts experienced locally**
  - Vehicle trips, noise, dust, etc.
- + Most economic benefits are temporary**
  - Construction work may be done by outside crews
  - Local tax benefits are real, but renewables may be exempt
- + Emissions impacts are experienced regionally**
  - Rooftop PV in LA may displace gas plants in Northern California, Oregon or Arizona