National Association of Regional Councils'

47th Annual Conference and Exhibition

Solar Workshop: Regional Solar Planning Roundtable



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Solar Workshop: Regional Solar Planning Roundtable

Moderator:

Joshua Huneycutt, SunShot Initiative Analyst, U.S. Department of Energy

Presenters:

Jayson Uppal, Consultant, Meister Consultants Group Kristin Sullivan, Energy Manager, City of Philadelphia, PA Jon Lesher, Environmental Planner, Montgomery County Planning Commission



Solar Powering Your Community

Addressing Barriers to Solar Development





Regional Workshops: Past 9 Months





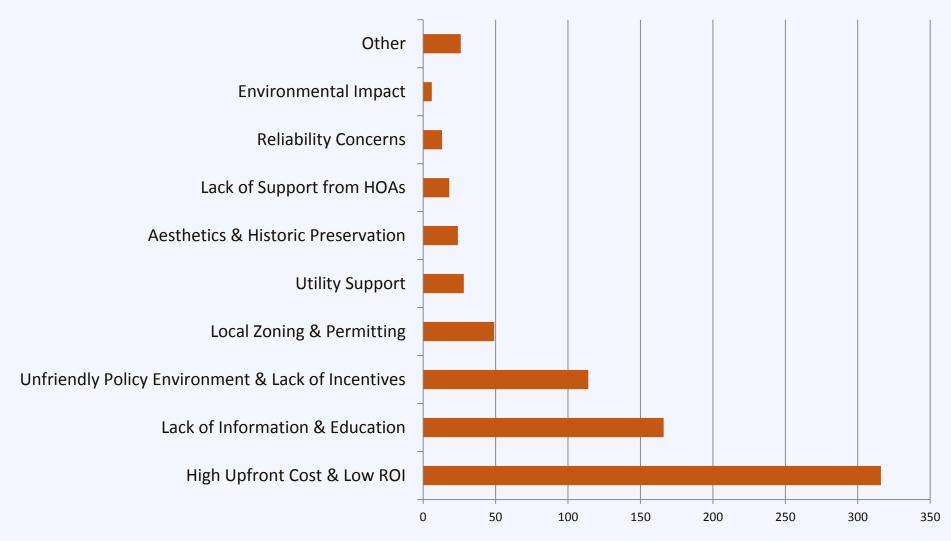
Benefits & Barriers Questions

What is the greatest benefit solar can bring to your community? [Blue Card]

What is the greatest barrier to solar adoption in your community? [Green Card]



Results of Barriers Discussion

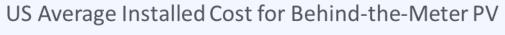


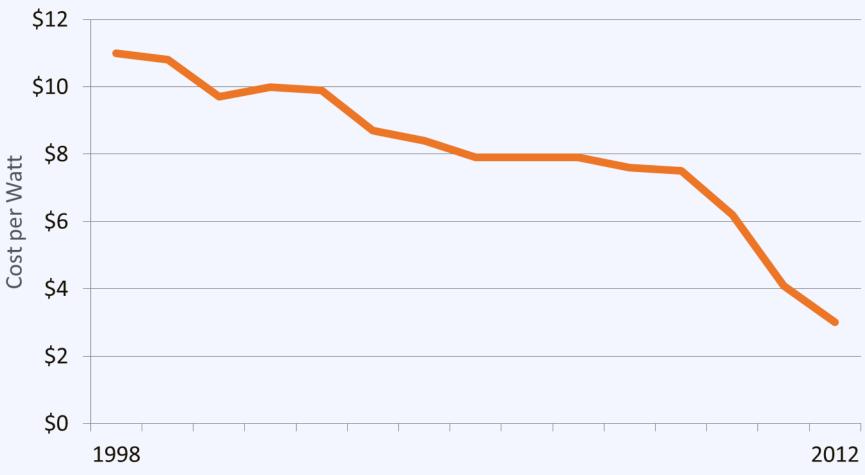


Local governments play a critical role in reducing barriers for solar development



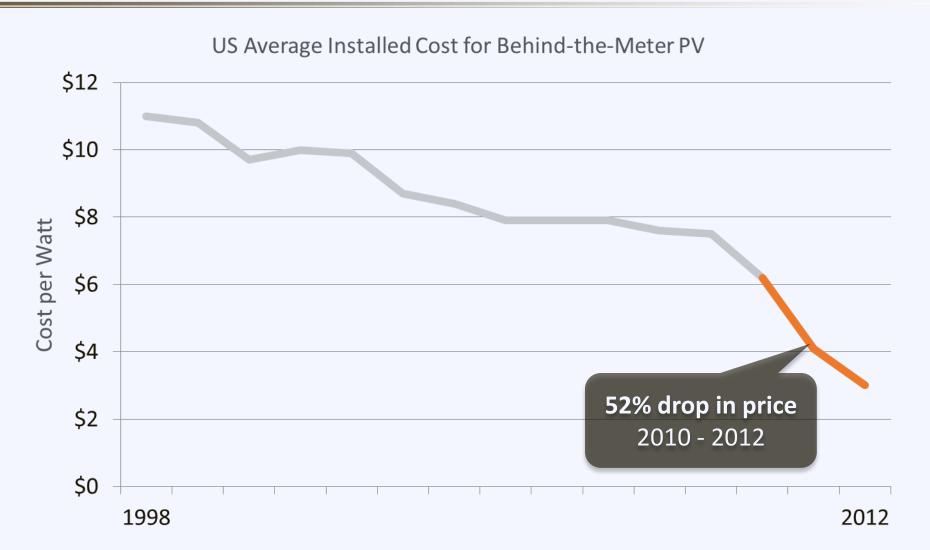
Cost of Solar PV





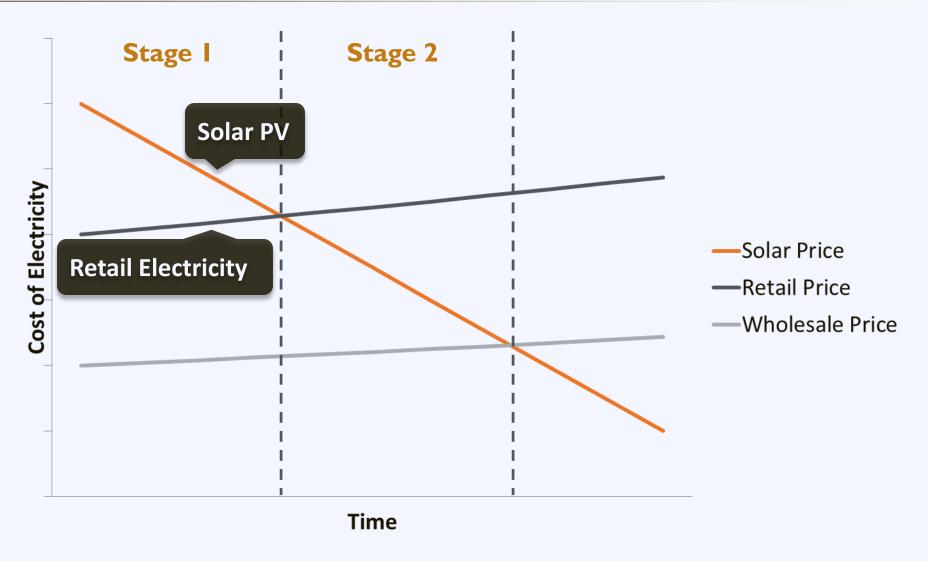


Solar Market: Trends





The Cost of Solar PV





How to Reach Stage 2

Upfront incentives

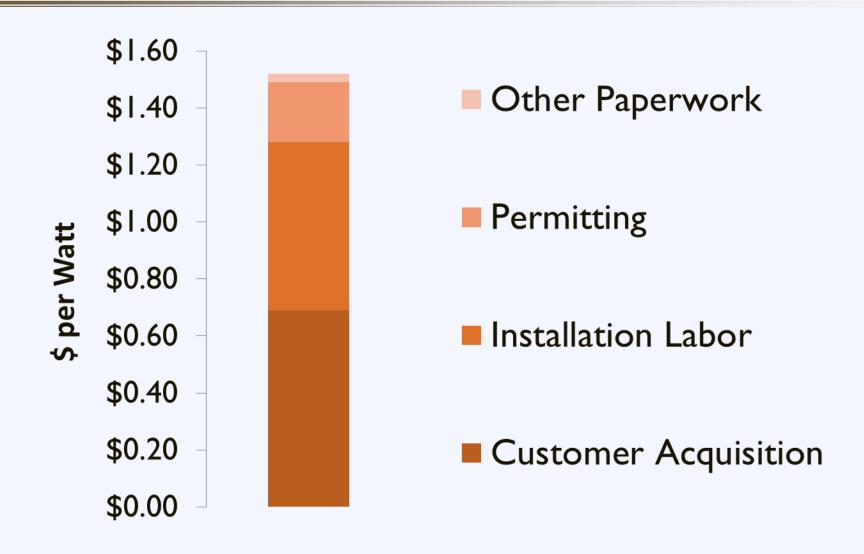
Reduce soft costs

Decrease Costs or Increase Revenue

Performance Incentives

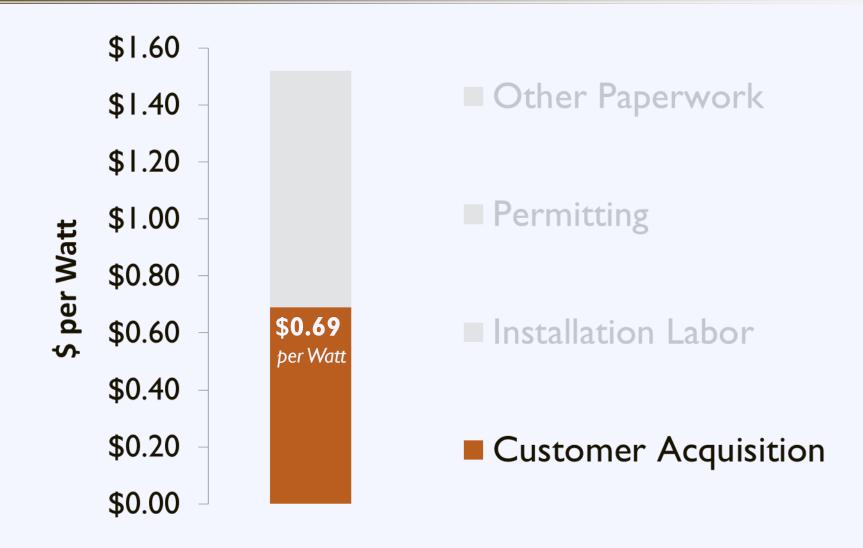


Mitigate Soft Costs



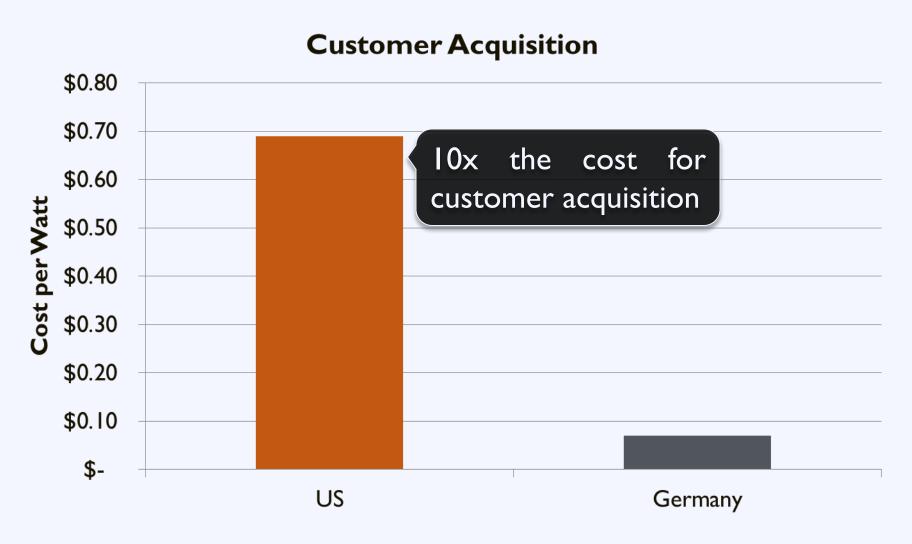


Solarize: Mitigate Soft Costs





Solarize: Advantages





Source: NREL, LBNL

Solarize





Solarize Group Purchasing









Solarize: Advantages

Barriers Solutions

Complexity — Community outreach

Customer inertia

Limited-time offer



Solarize: Case Study

Harvard Massachusetts:

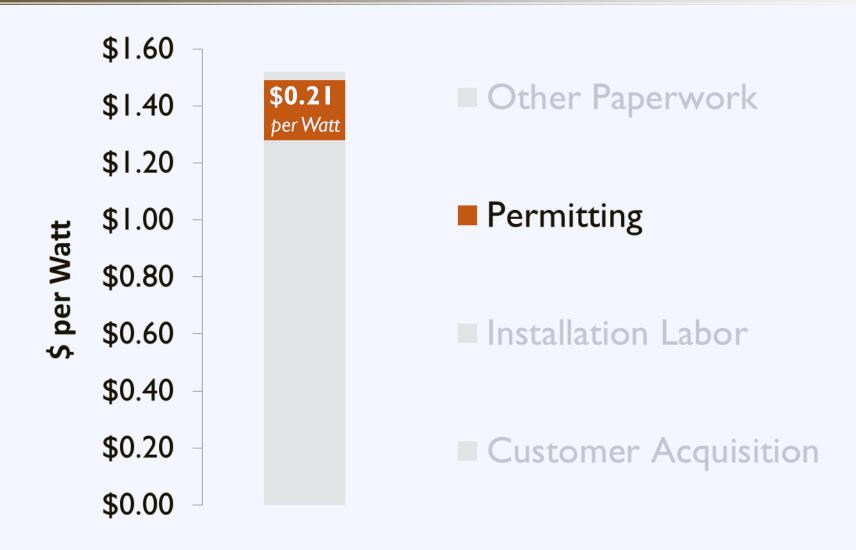
75 new installations totaling 403 kW

30% reduction in installation costs

575% increase in residential installations



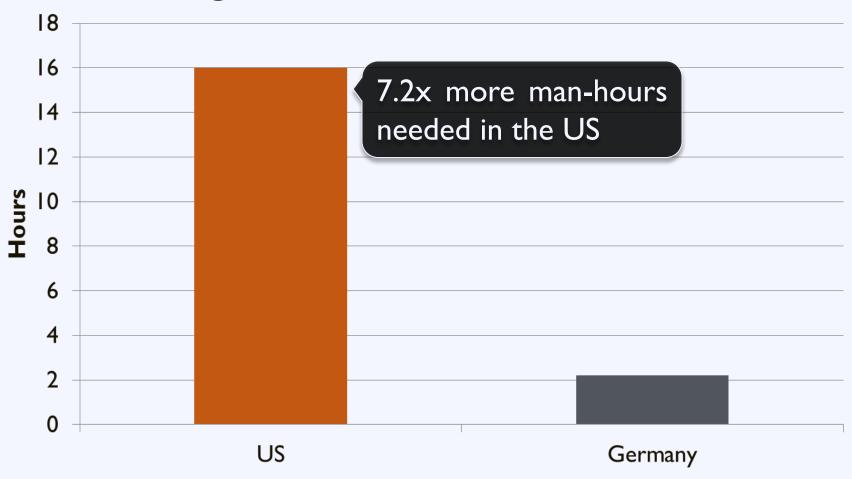
Mitigate Soft Costs





Time to Installation

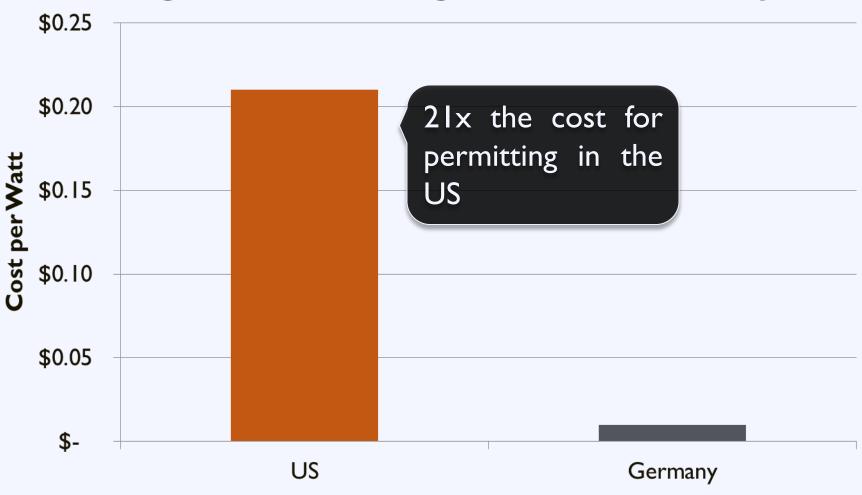
Average Time to Permit a Solar Installation





Permitting Costs

Average Cost of Permitting in the US and Germany





Source: NREL, LBNL

Solar Ordinance: Opportunity

Communities in CA with favorable permitting practices saw

4 - 12% lower costs

and

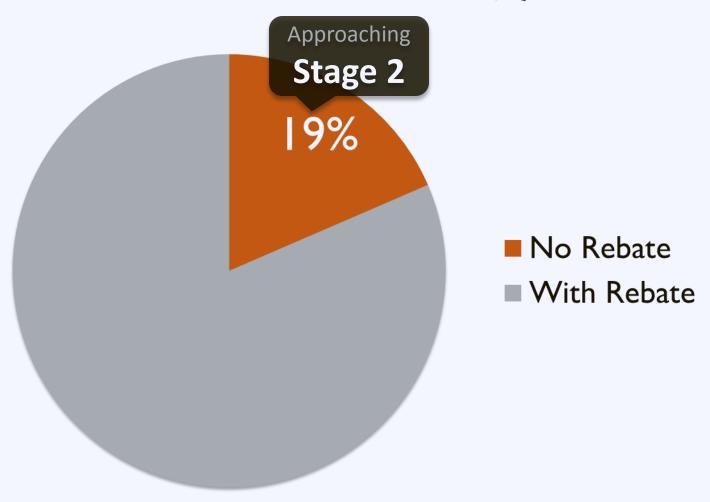
25% shorter development time

as compared to standard communities



Solar Ordinance: Opportunity

California Residential PV Installations, Q1 2013







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