Findings

POLICY BARRIERS
Collaboration Areas

- Control of “hard” and “soft” costs:
  - Pricing, Standards, Taxes

- New clean energy investments:
  - Social Impact Investing, Blended approaches, Commercialization

- On and off grid technology:
  - Transmission, Grid integration, Storage, Production efficiency
Federal Production Tax Credit

Up to $22/MWh tax credit for RE generation

Critical for historical RE development

Union of Concerned Scientists at
http://www.ucsusa.org/clean_energy/smart-energy-solutions/increase-renewables/production-tax-credit-for.html#.VkYlb66rS3A

12/3/15 www.climatestrategies.us
Investment Tax Credit

30% tax credit has dramatically reduced costs of solar PV
Cyclical measure: demand dries up during recessions
US States (OR) have pass-through provision
Equity partners have high returns
Feed In Tariffs and Premiums

Feed-in-tariff rates have been reduced

EU Commission moving toward competitive bidding rules

Diversity of RES-E support schemes in the EU-28

- Feed-in tariff (FIT)
- Feed-in premium (FIP)
- Quota
- Tenders

Note: This map does not include secondary support instruments like tax incentives, investment grants, etc.

Source: Ecofys
Renewable Portfolio Standards

CA and NY target 50% renewables by 2030

VT 75% by 2032
Group Purchasing

Cumulative Solar Growth in Solarize CT Towns

- Phase 1 Solarize towns
- Phase 2 Solarize towns

Date of Solar Contract Approval:
- Solarize Phase 1: Sept 2012 – Jan 2013
- Solarize Phase 2: Mar 2013 – Aug 2013

Total Solar Contracts
Attract Institutional Investors

“YieldCo” securities that pay regular dividends: NRG Yield, Greencoat Energy, Pattern Energy

“opened the floodgates to a sea of lower-cost capital” (Deloitte, 2015)
Grid Integration Strategies

Duckbill in CA:
11,000 MW of flexible resources are required to meet late afternoon-early evening demand.
Transmission Line Expansion