

Findings

# POLICY BARRIERS

# Collaboration Areas

Control of “hard”  
and “soft” costs

- Pricing, Standards, Taxes

New clean energy  
investments

- Social Impact Investing, Blended approaches, Commercialization

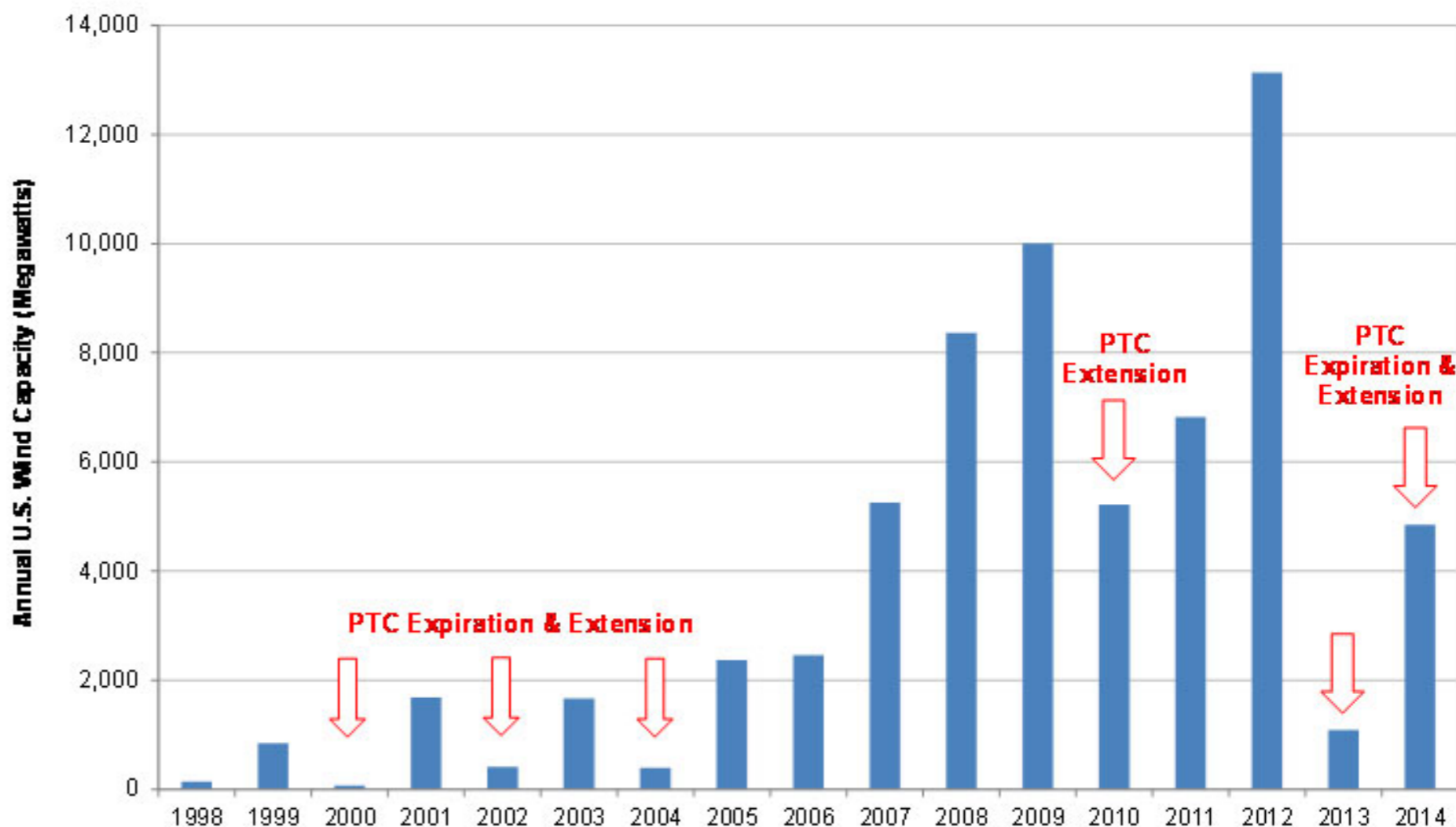
On and off grid  
technology

- 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#.VkYIb66rS3A](http://www.ucsusa.org/clean_energy/smart-energy-solutions/increase-renewables/production-tax-credit-for.html#.VkYIb66rS3A)



# 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

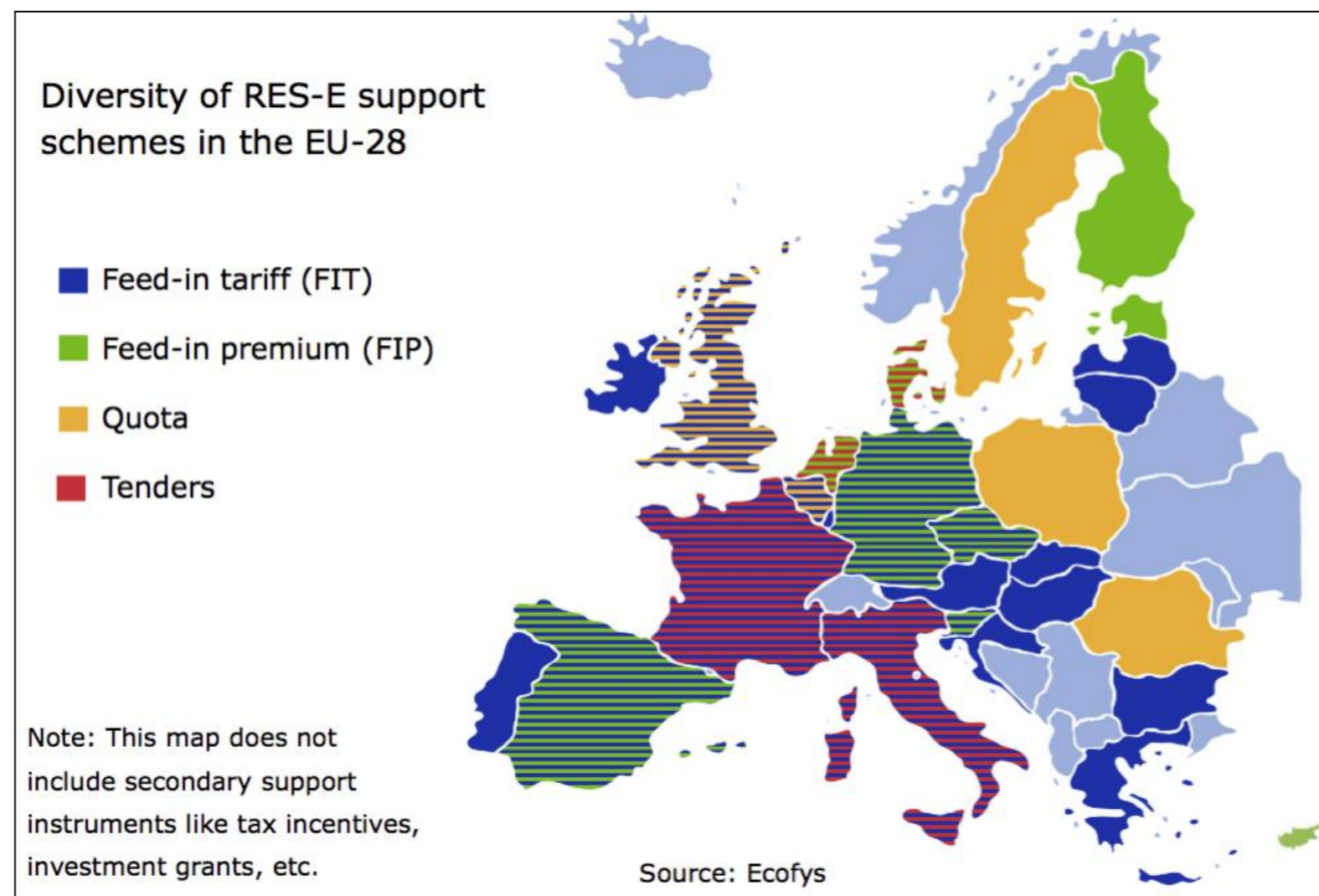
VALUE OF 30% FEDERAL TAX CREDIT



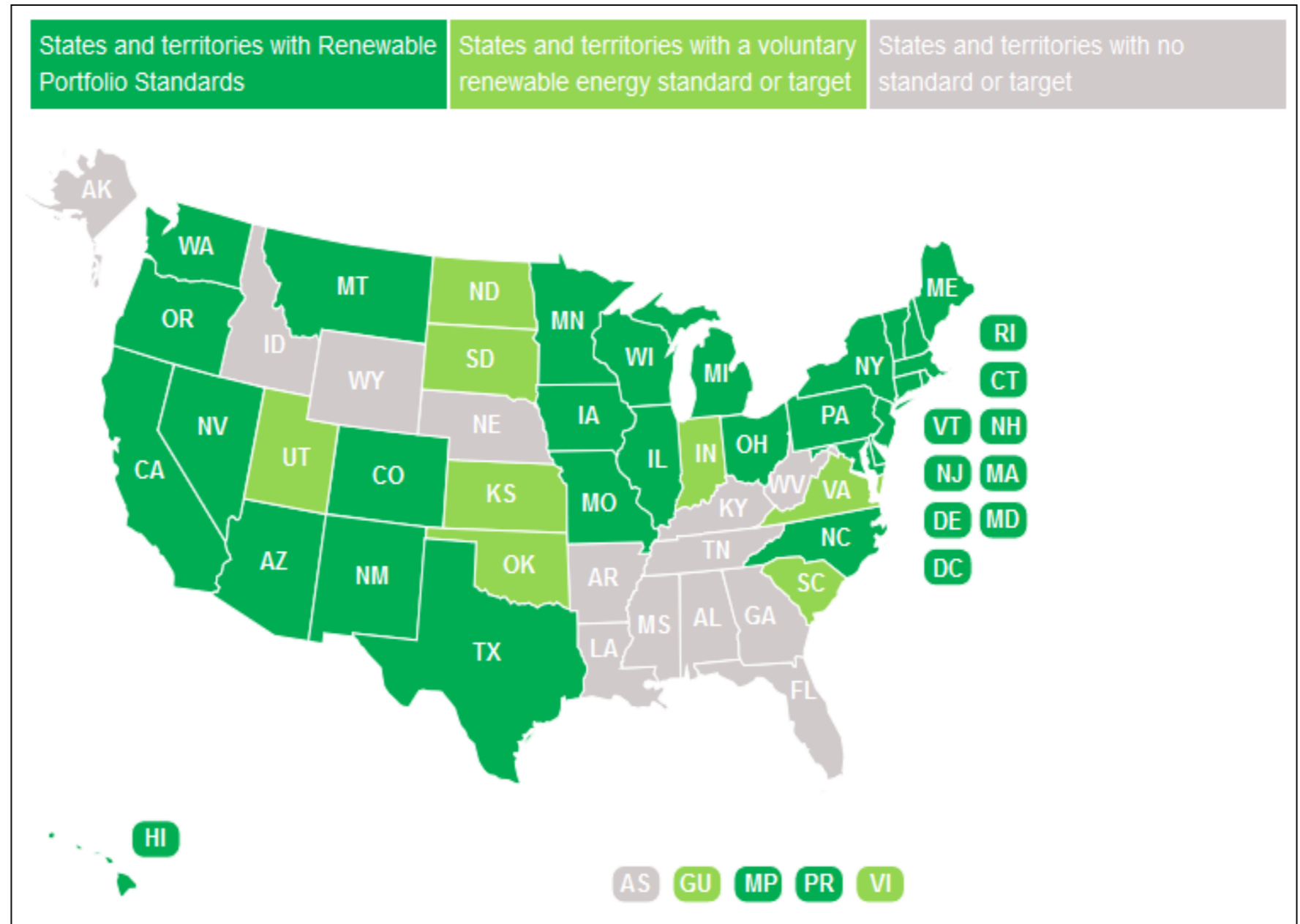
# Feed In Tariffs and Premiums

Feed-in-tariff rates have been reduced

EU Commission moving toward competitive bidding rules



# Renewable Portfolio Standards

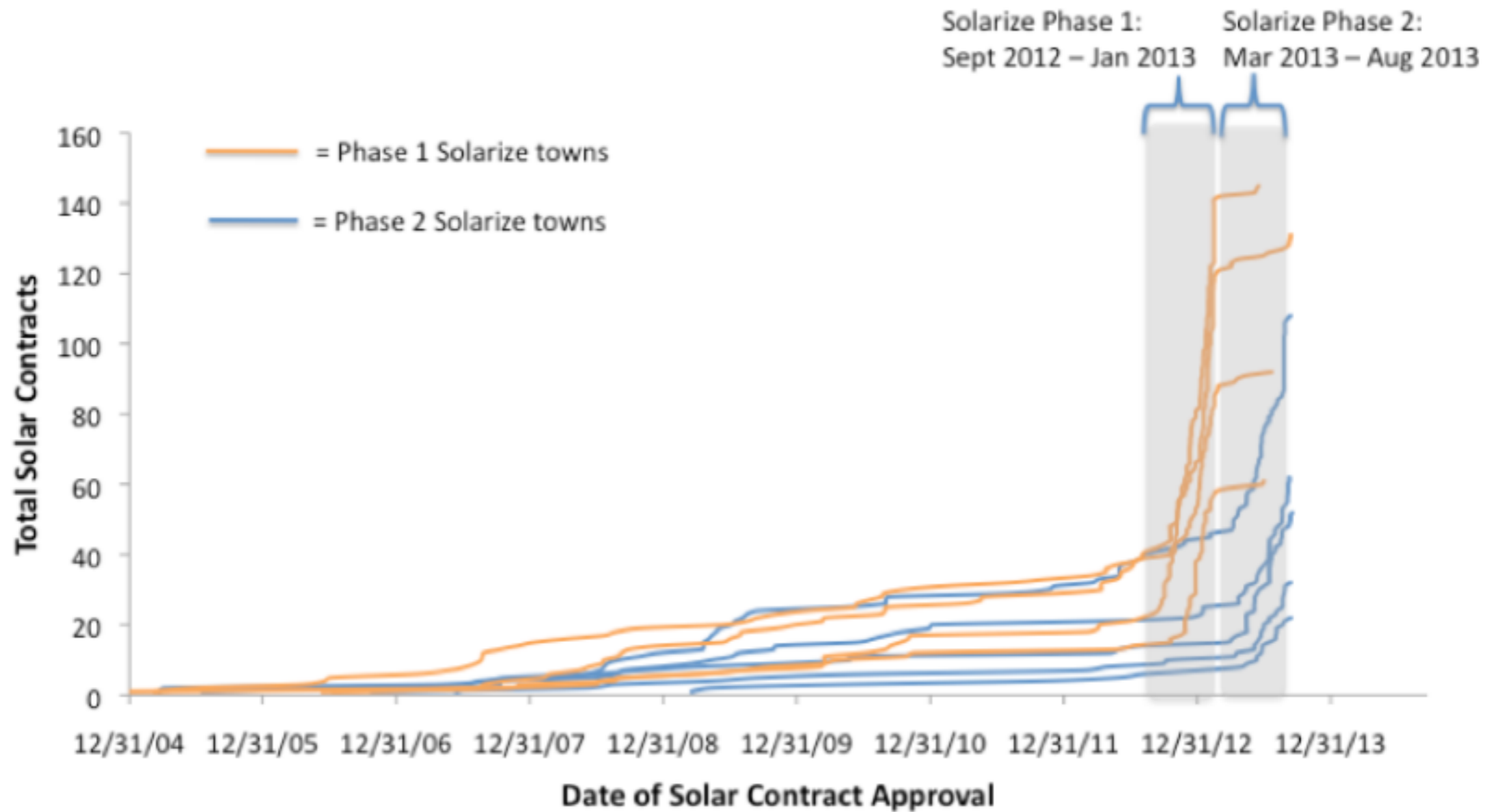


CA and NY target 50% renewables by 2030

VT 75% by 2032

# Group Purchasing

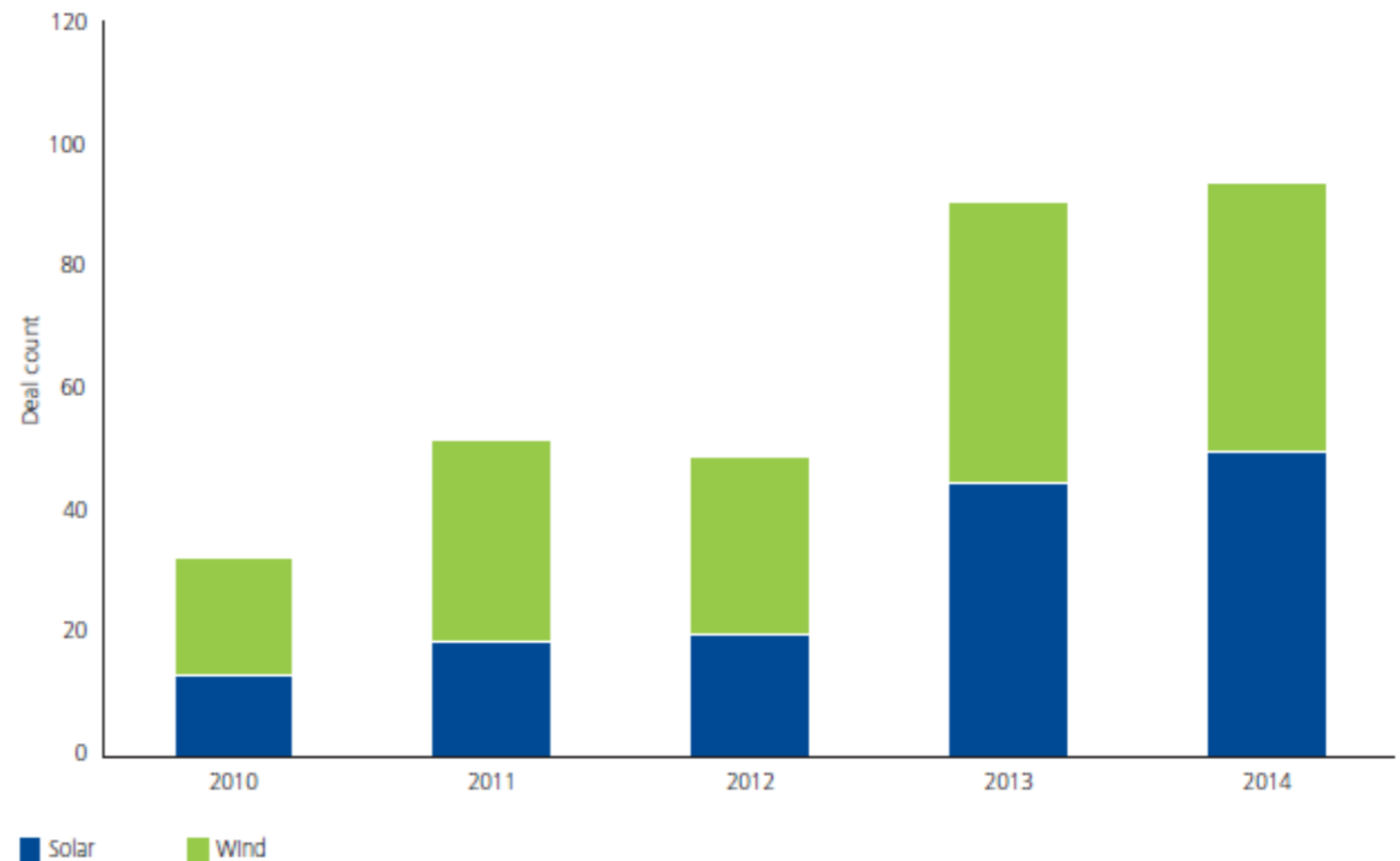
## Cumulative Solar Growth in Solarize CT Towns



# 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)

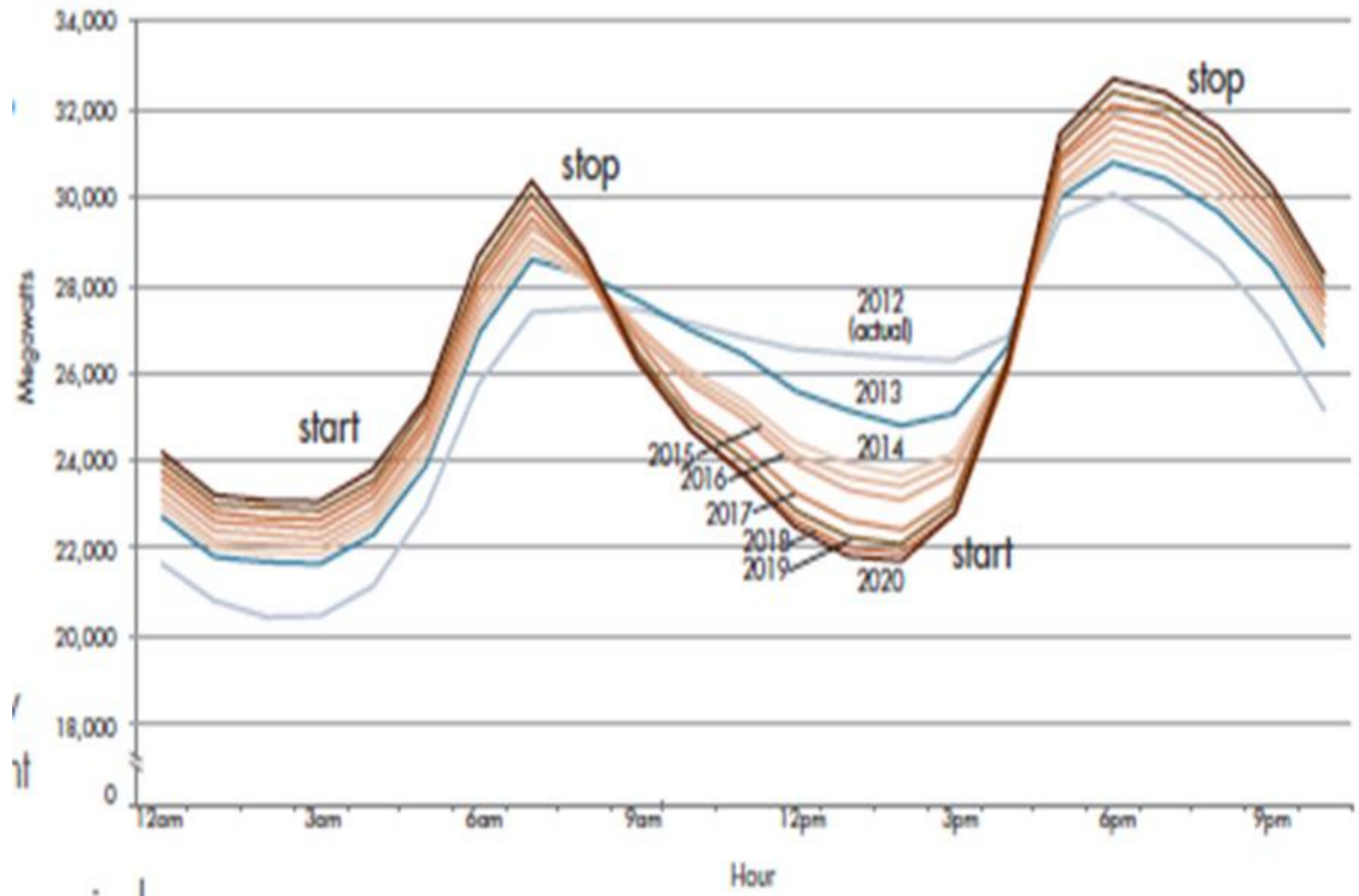


Source: SNL Energy, "M&A League Tables"



# Grid Integration Strategies

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



# Transmission Line Expansion

