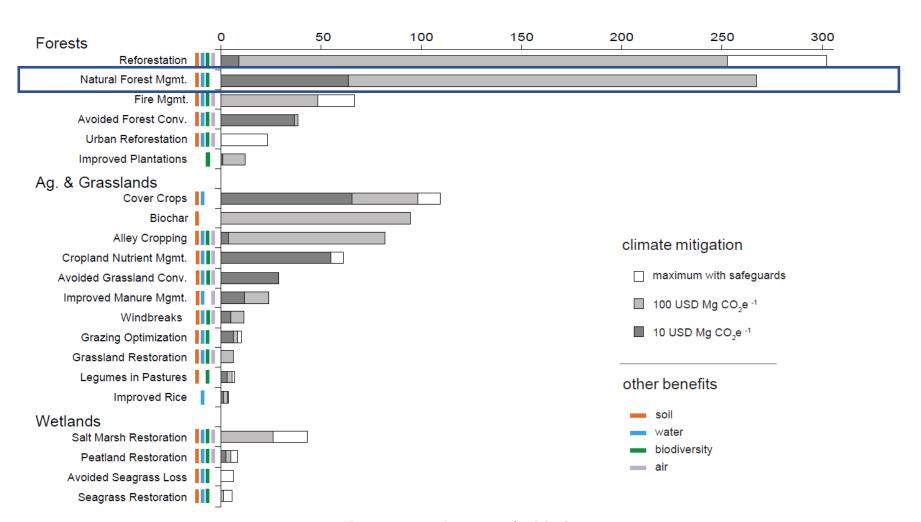


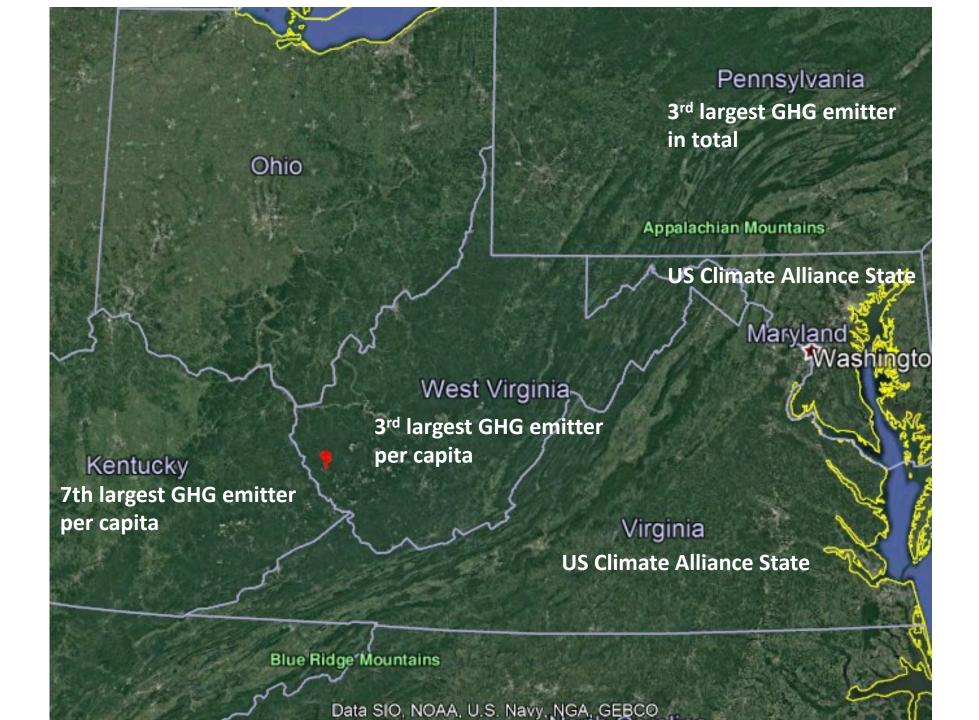
### Natural Climate Solutions In The USA

Climate mitigation potential in 2025 (MtCO<sub>2</sub>e yr<sup>-1</sup>)

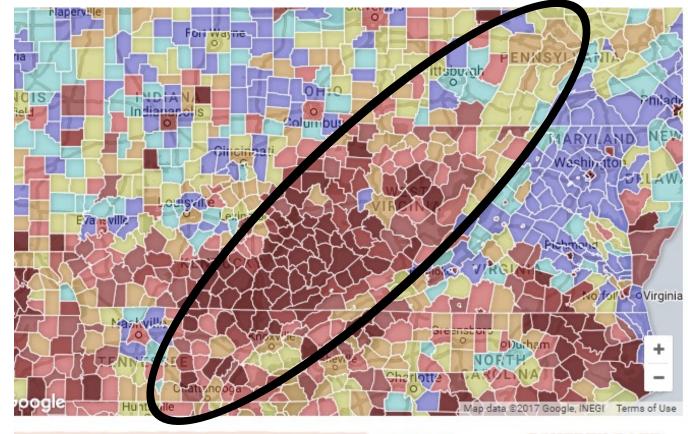


Source: Fargione et al., 2018





A hot spot for carbon, climate resilience and... poverty





p data source: U.S. Census Bureau, Small Area Estimates Branch, Release :: November 2011

#### ZOOM IN

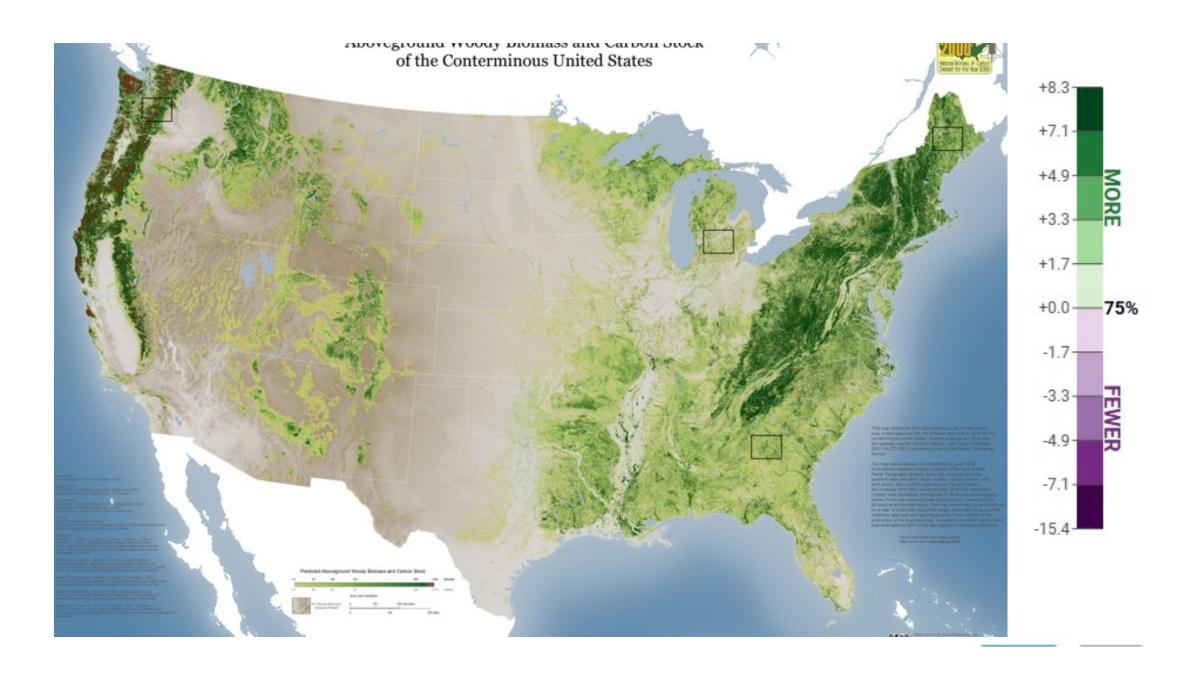


select a state

Smaller counties require a zoomed view to be visible. Use the zoom controls on the map or select a state above.

#### **POVERTY RATE**

Below 11%			
11-13%			
13-15%			
15-17%			
17-19%			
19-21%			
21-23%			
Above 23%			



Source: Yale Program on Climate Change Communication

# How do we turn a paradox into power...?

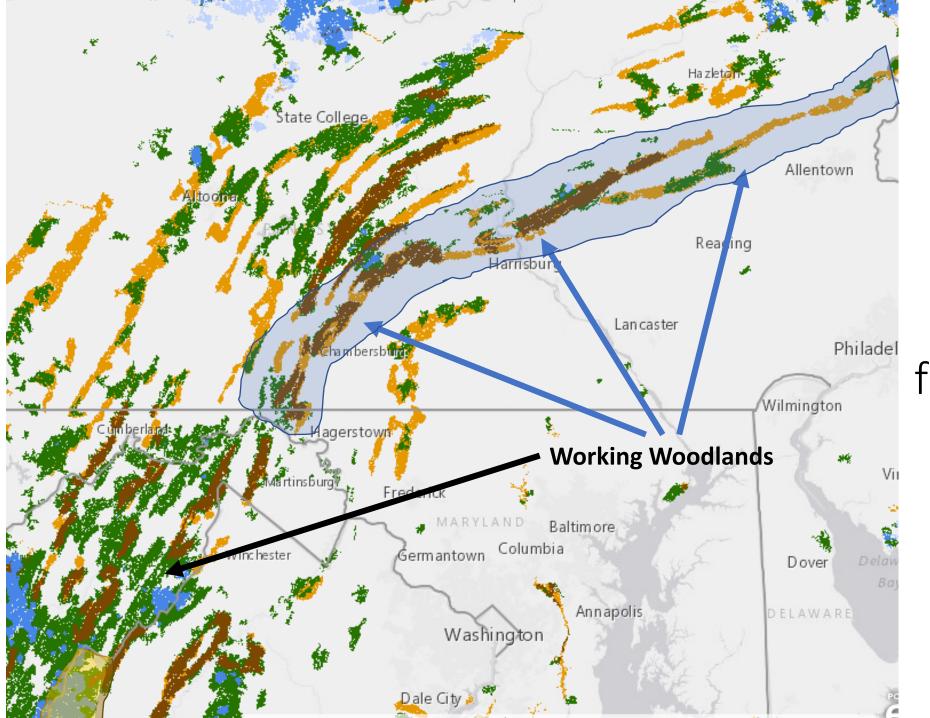
- High carbon emissions
- High poverty
- High resistance to climate action

#### Yet...

- High climate resilience
- High carbon forest and Natural Climate Solutions potential







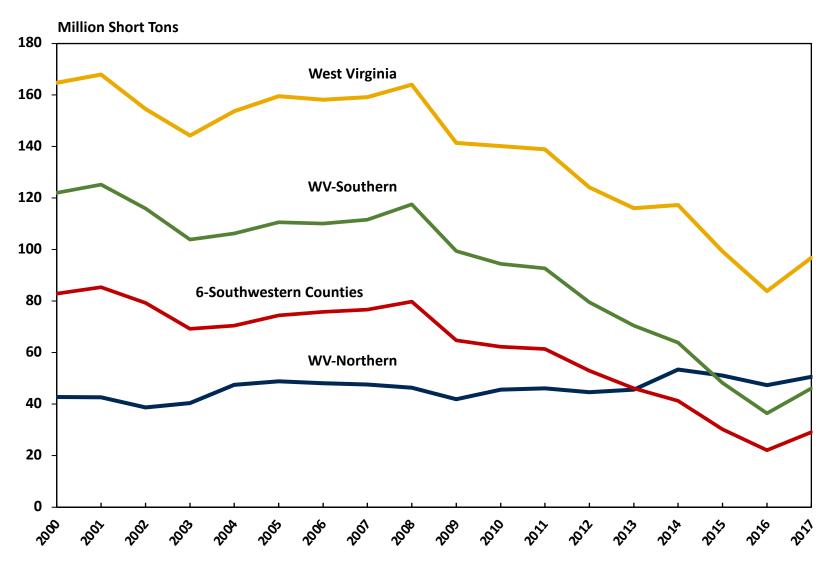
Forest carbon finance to protect climate resilient forests

## Climate Solutions for Coal Country

- 1.5-2 million acres of deforestation from coal
- Tens of millions of acres of high carbon stock forest
- 7 million acres of industrially owned coal/timber land



### **Coal Production by Regions**



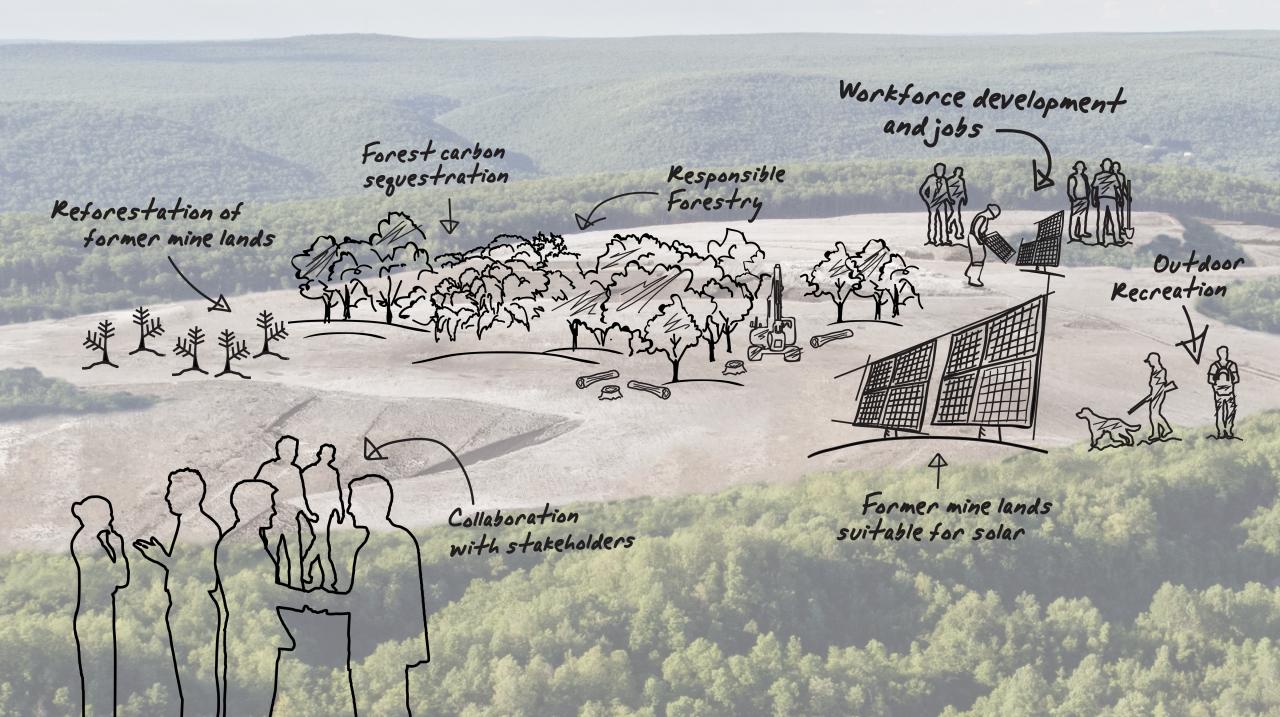
Source: Mine Safety and Health Administration (MSHA) and Energy Information Administration (EIA) Note: The 6-Southwestern counties include Boone, Logan, McDowell, Mingo, Wayne, Wyoming

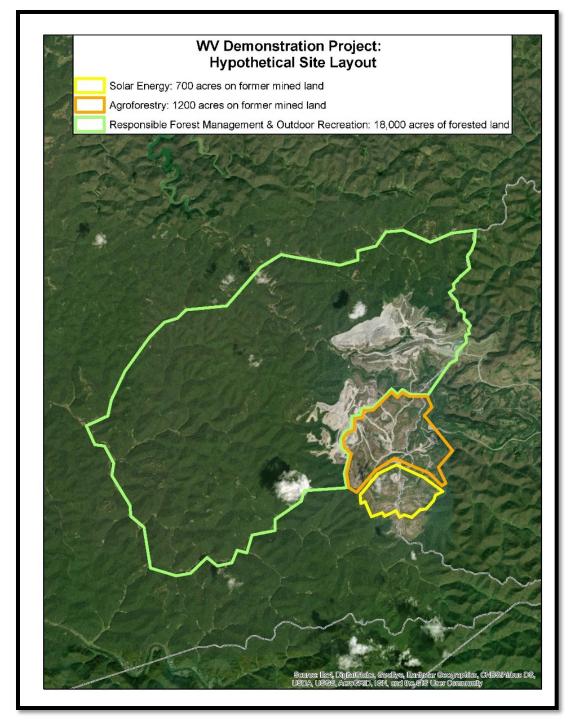






What is next for West Virginia's economy?

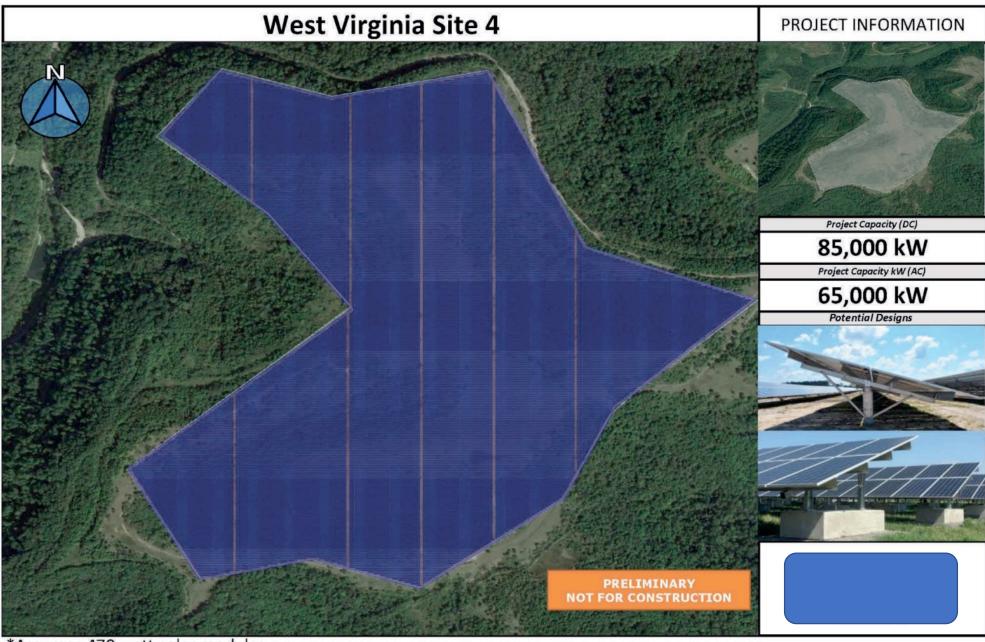




Demonstrate climate-friendly economic development activities on former surface mine lands

### Core business units:

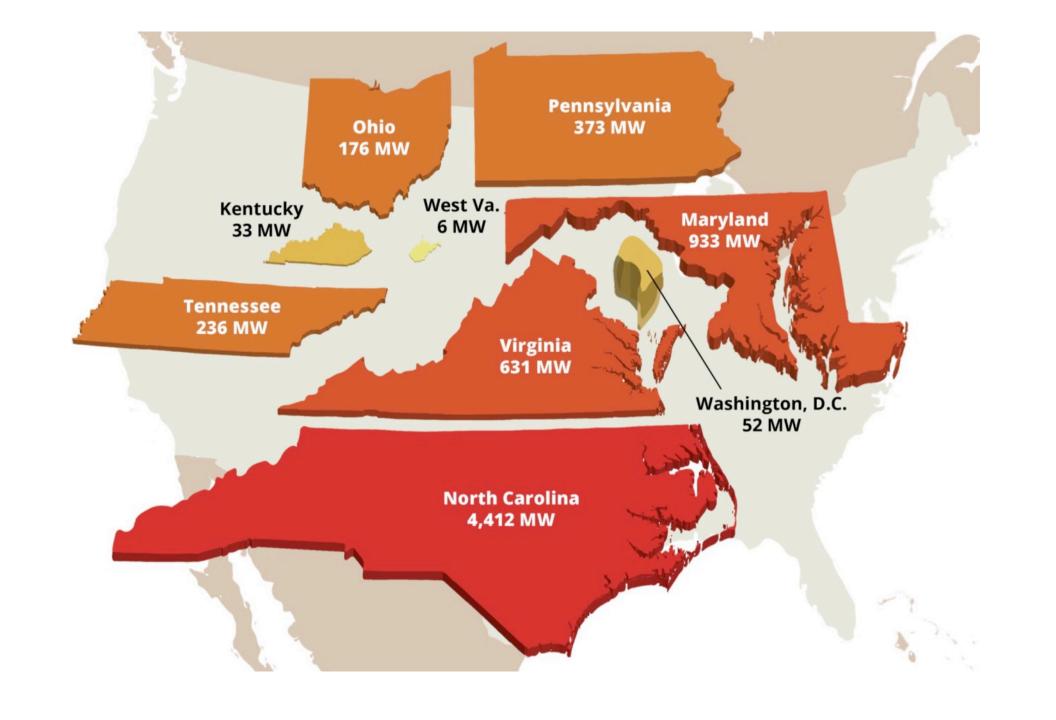
- Solar energy
- Forest carbon & responsible forestry (Working Woodlands)
- Outdoor recreation
- Agroforestry

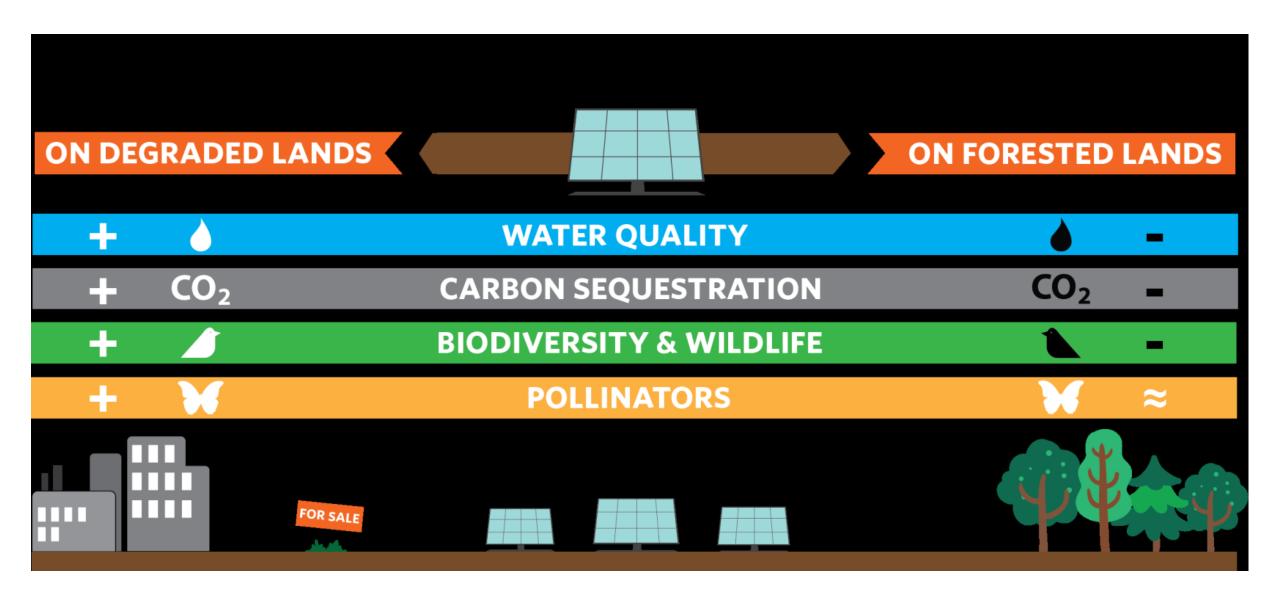


\*Assumes 470 watt solar modules

Acres 206

Acre/MW(AC) 3.169







## Virginia's 'Green New Deal' exposes what Democrats really care about -and it's not the environment



OPINION By Lauren DeBellis Appell | Fox News









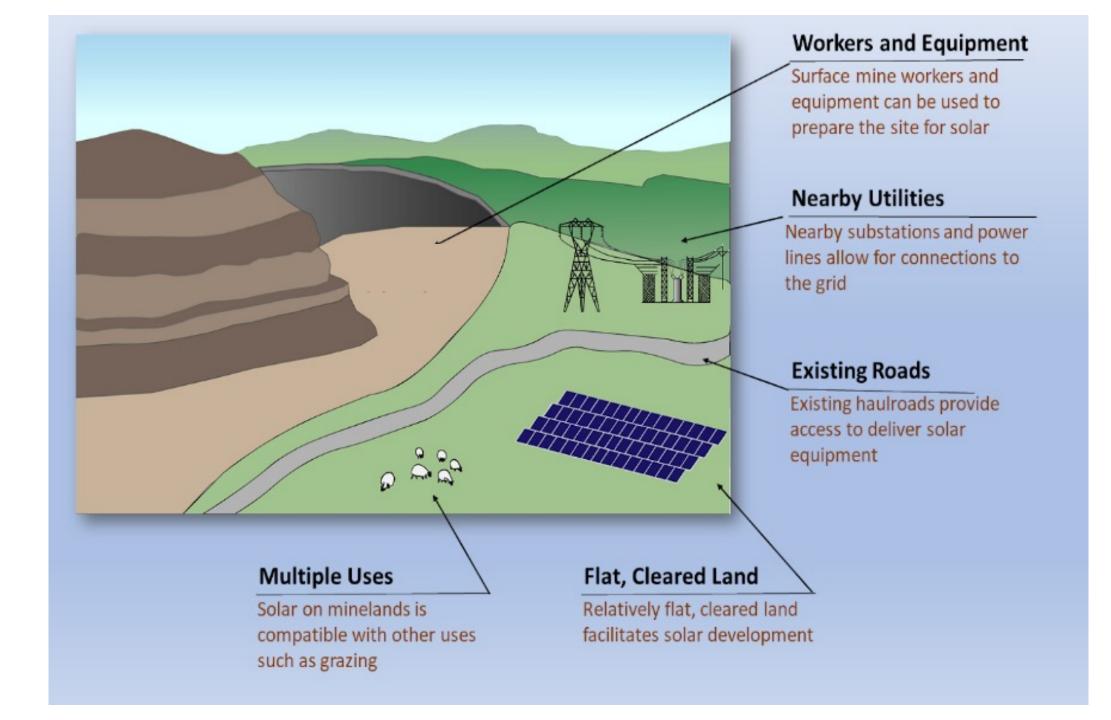






#### Massive East Coast solar project generates fury from neighbors in Virginia

Renewable energy company sPower is trying to build the biggest solar project on the East Coast, a 500-megawatt solar farm on 6,000 acres in Virginia, but neighbors are voicing their concerns.





## Key partners / Stakeholders













## Property owners

## Mining companies

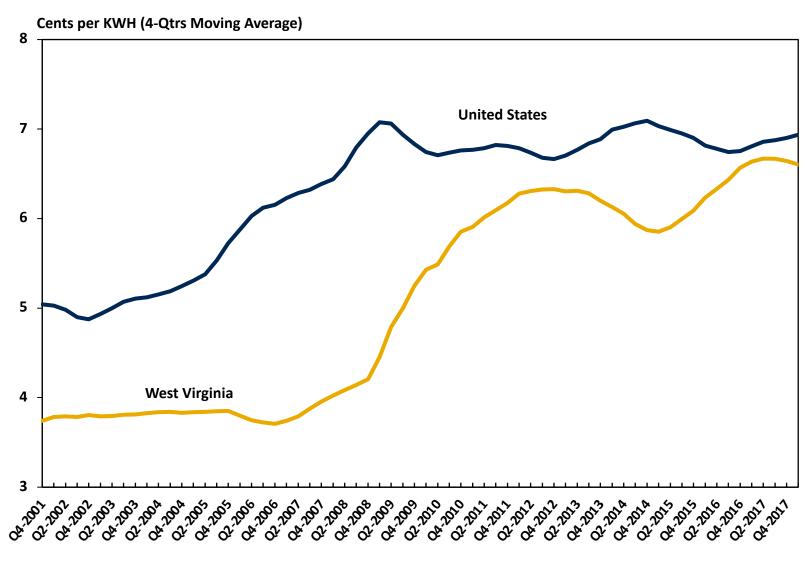








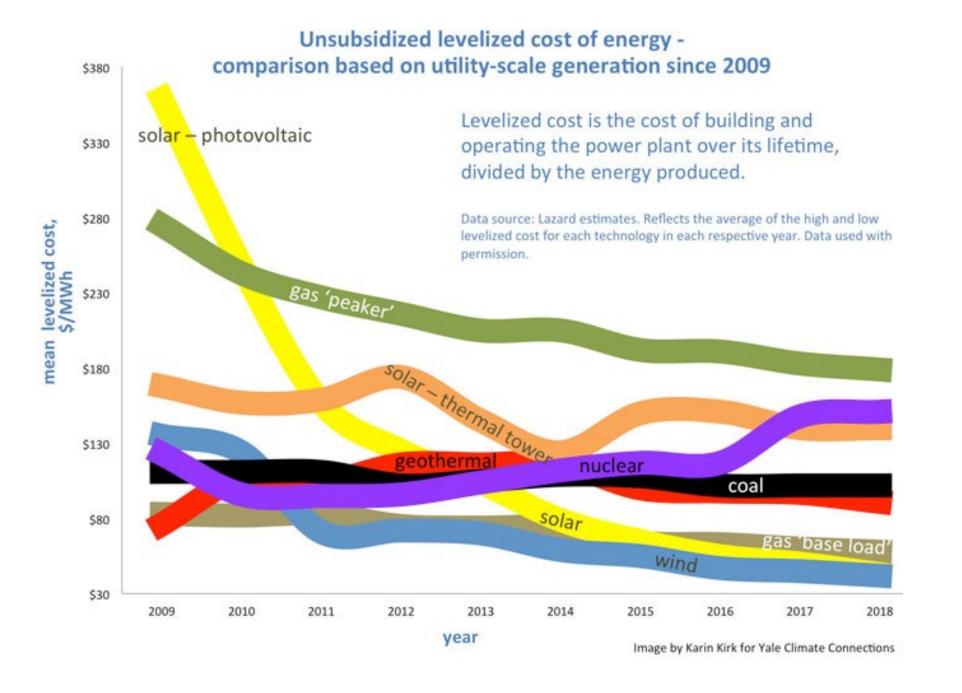
### **Average Retail Price of Electricity for Industrial**







**Source: US Energy Information Administration** 



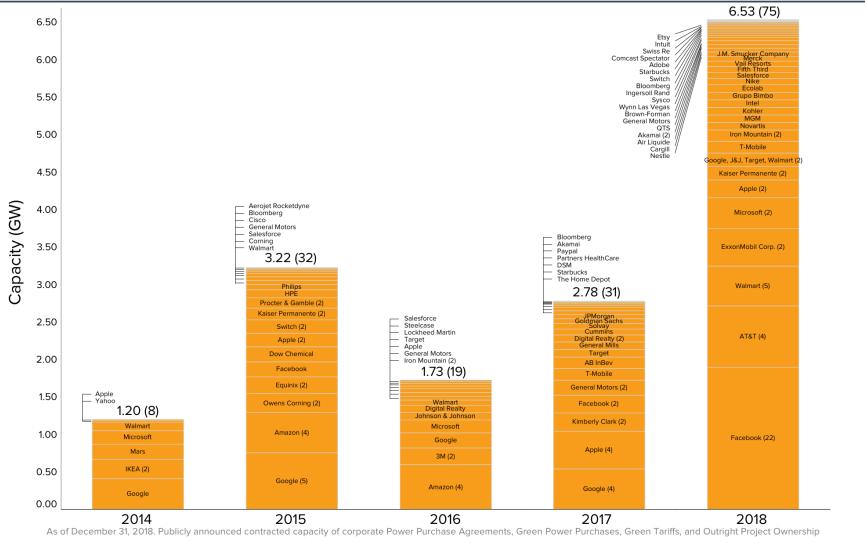






### Corporate Renewable Deals

2014 - 2018























**SWISS POST** 



















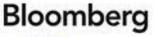
















































facebook









Gatwick



Steelcase



























COMMERZBANK





















Dalmia





**Nestle** 

















**PEARSON** 



Telefonica



































ELOPAK

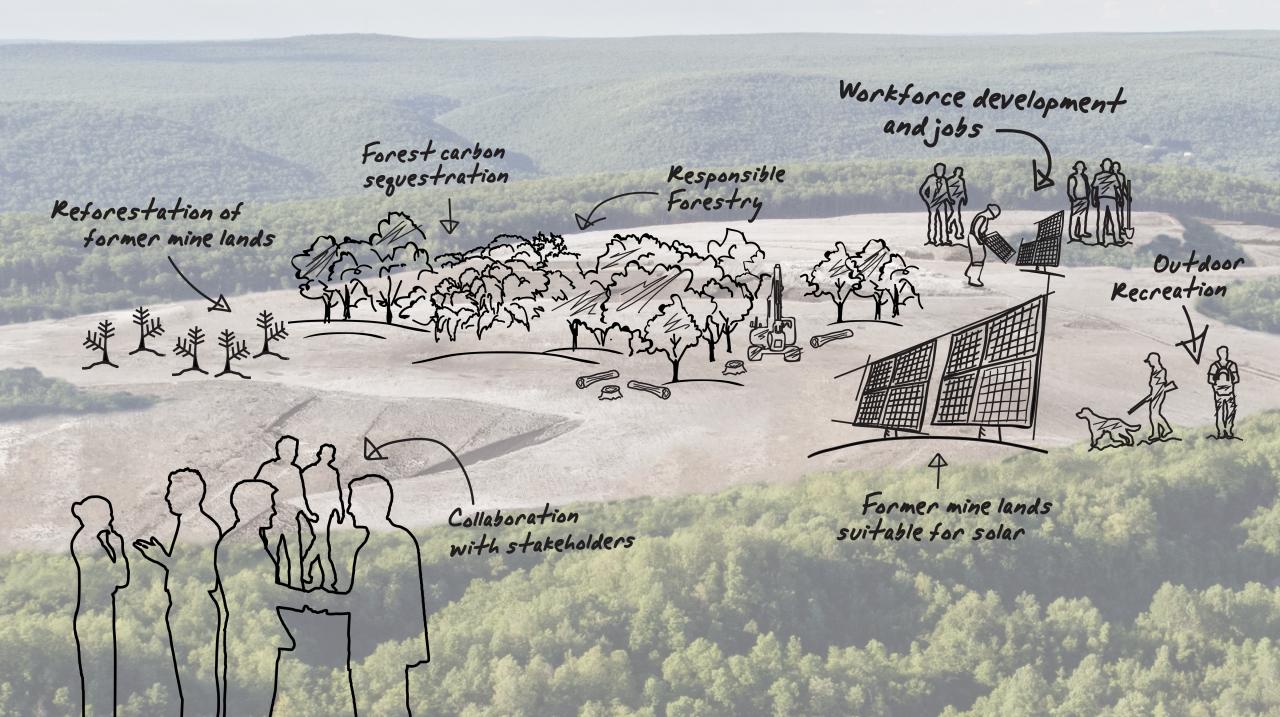


kpn



Overcoming Real and Perceived Barriers to a Climate-Friendly Economic Model

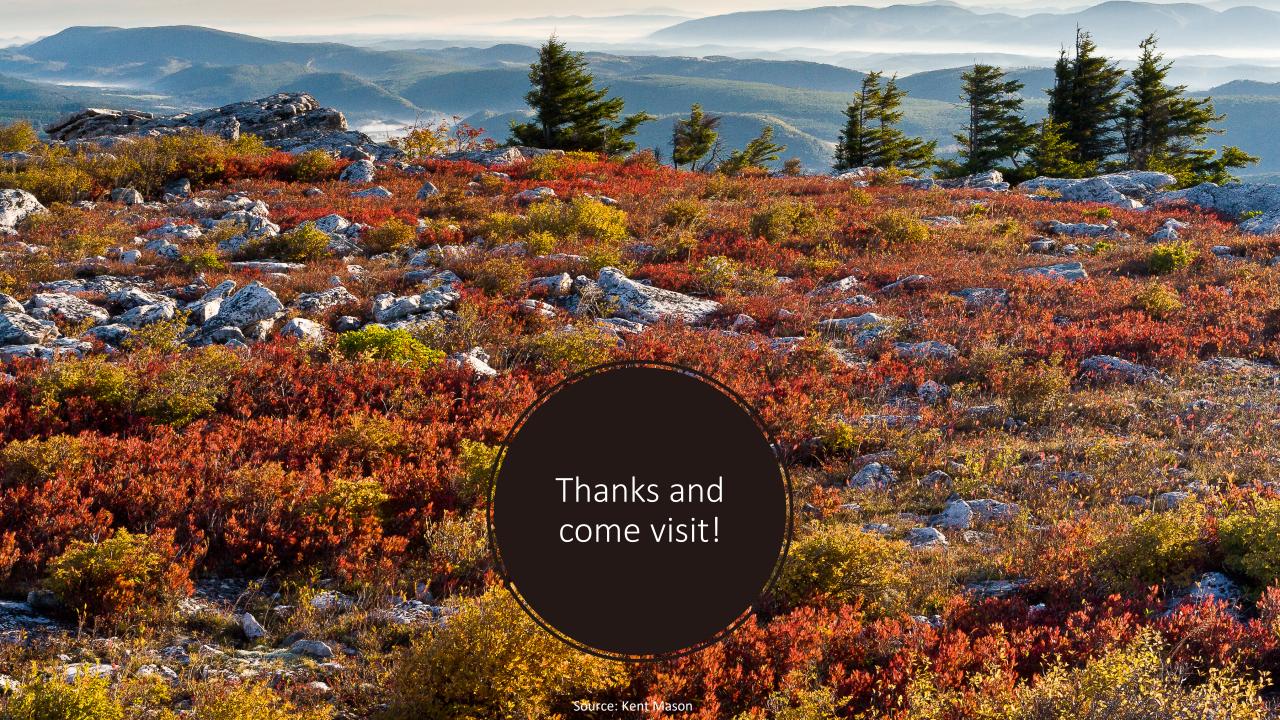




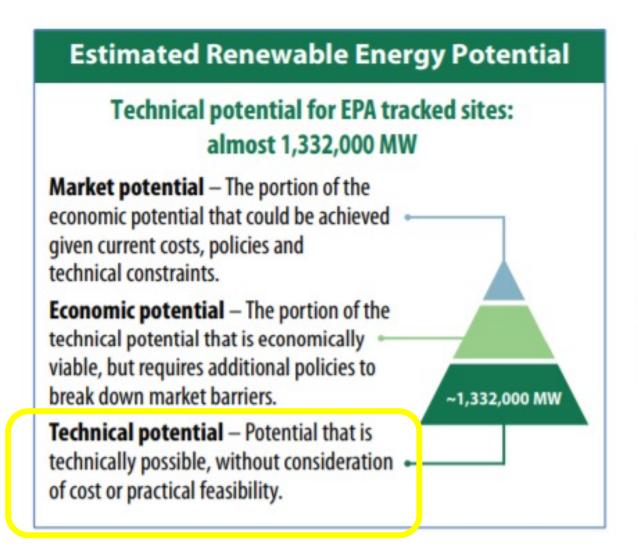
## Lessons learned

- Lead with climate in USCA states (NJ, VA, MD)
- But we must change the narrative on climate everywhere and NCS can help
- Seeing is believing...demonstrate on the ground to landowners, policymakers and influencers





## Scale of solar opportunity on degraded lands



Screening Results	All Sites			
	Sites	Acres	Est. Capacity (MW)	
All Technologies	133,890	43,968,753	1,332,842	
Solar	133,890	43,933,587	1,090,146	
Wind	64,935	38,166,920	348,184	
Biomass	37,129	32,237,784	393,900	
Geothermal	110,593	40,808,323	NA	