



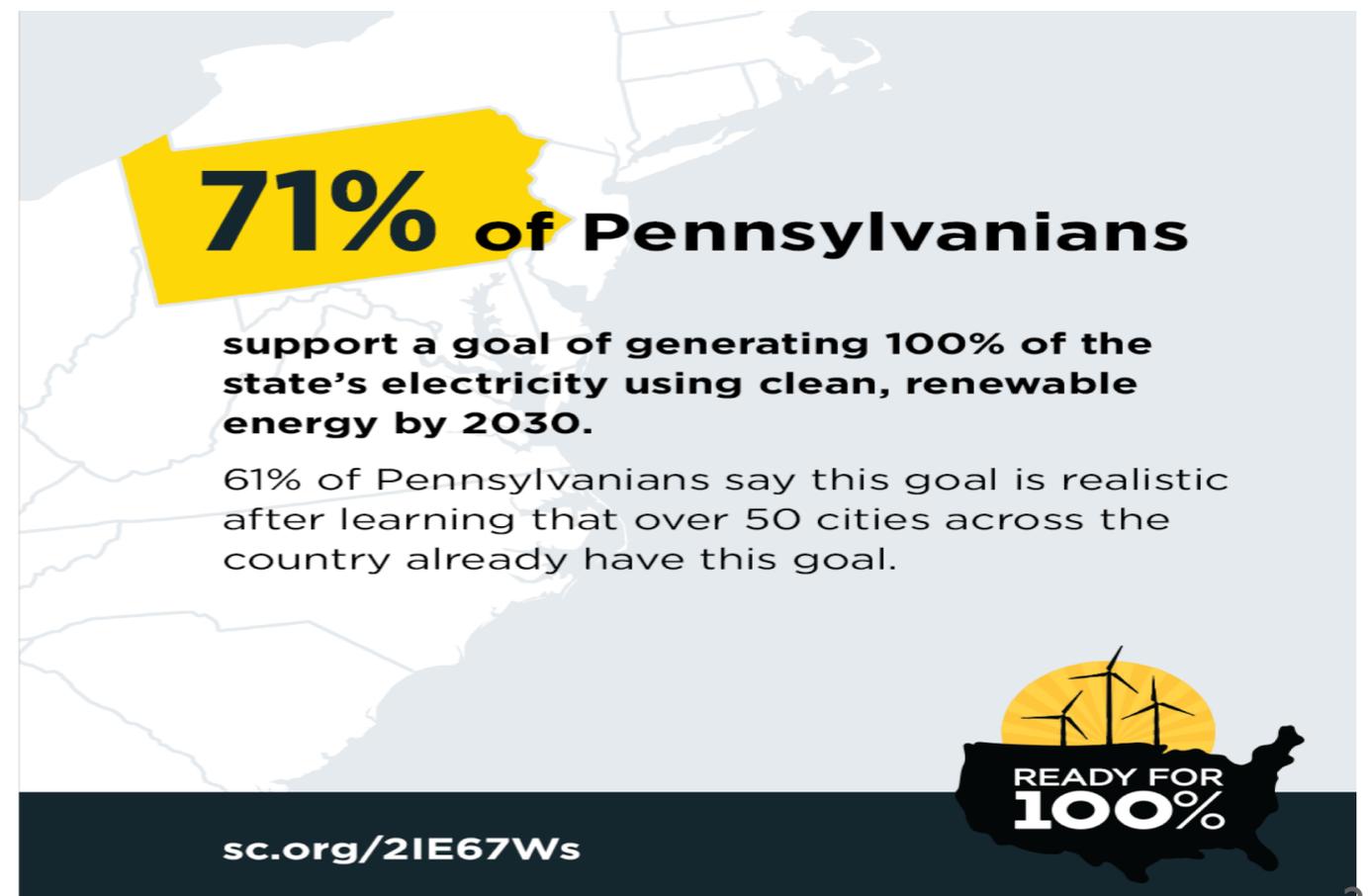
READY FOR 100% RENEWABLE

Upper Merion Environmental Advisory Council

WHAT IS READY FOR 100?

Ready for 100 (RF100) is a campaign launched nationally by the Sierra Club that encourages municipalities to adopt, an equitable and socially inclusive transition to 100% clean, renewable (e.g. wind and solar-based) energy. The Sierra Club provides tools and support to volunteers across the country as they advocate their municipalities for clean energy.

- To date, over 120 municipalities, 5 states, as well as DC and Puerto Rico have adopted renewable energy resolutions
- 19 of the 120 municipalities are in Southeastern Pennsylvania and 10 are in Montgomery County*
- Major cities include SF, LA, Chicago, Tallahassee, Salt Lake City, Portland, Boise, Columbia, and Orlando



*Full MontCo list found in appendix

WHAT IS READY FOR 100?



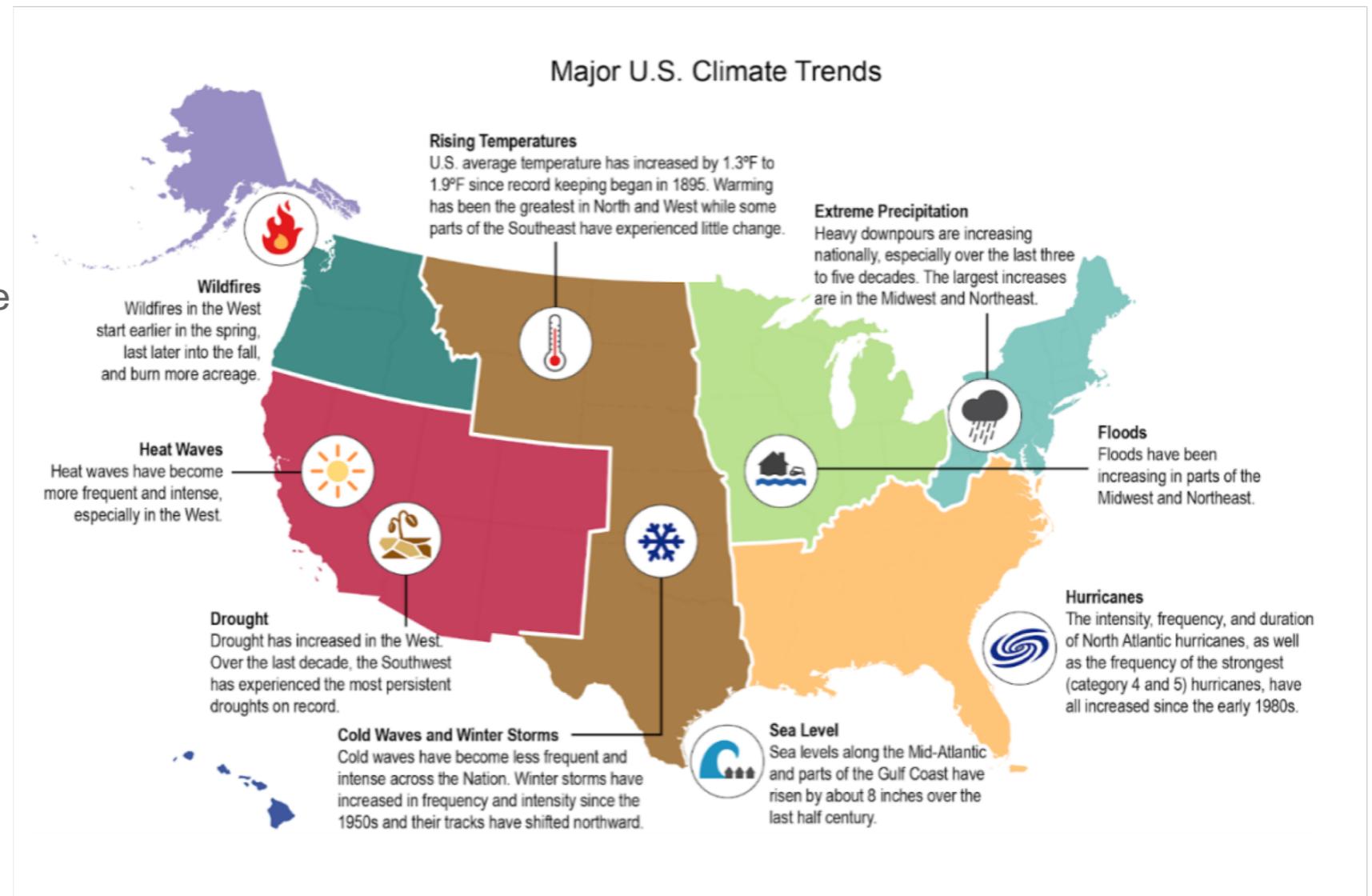
RF100 supports townships, municipalities, and boroughs in the region in their efforts to

- Adopt and commit to energy emissions reduction targets
- Transition to 100% renewable electricity by 2035
- Achieve zero greenhouse gas emissions in all remaining sectors which currently use fossil fuels by 2050

WHY READY FOR 100?

EXTREME WEATHER ACROSS THE NATION

- 97% of climate scientists agree that the climate-warming trends over the past century are extremely likely due to human activities such as our dependence on 'dirty' energy (non-renewable fossil fuels).
- Warming trends are linked to extreme weather events across the globe.
- As warming continues the US will experience more heat waves, floods, droughts and wildfires.

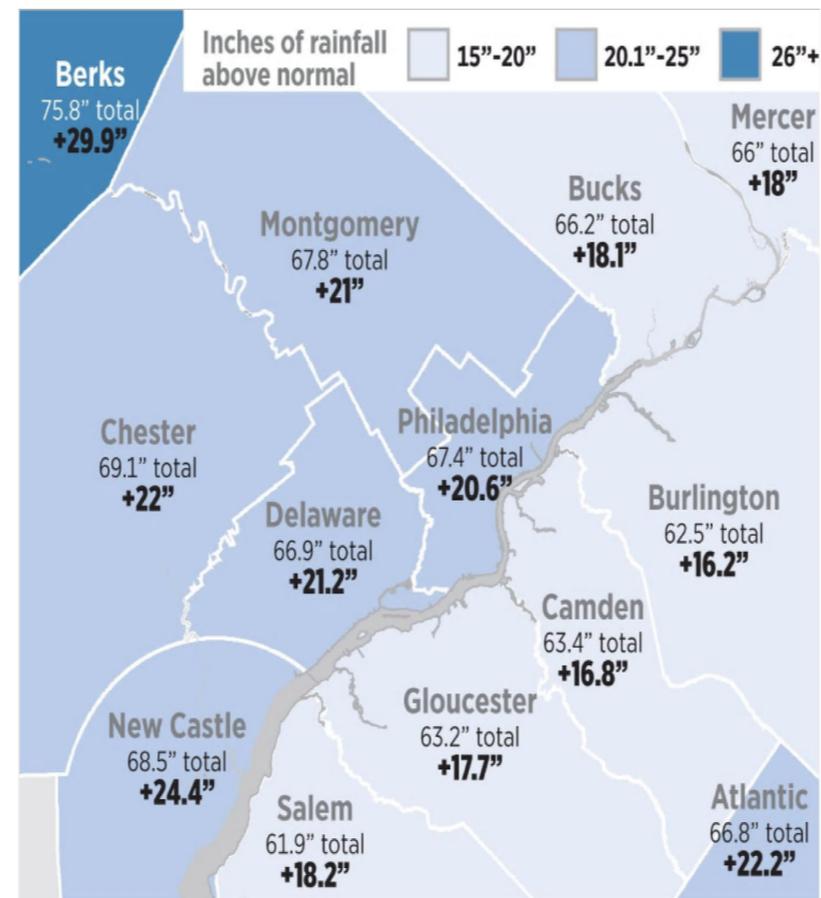
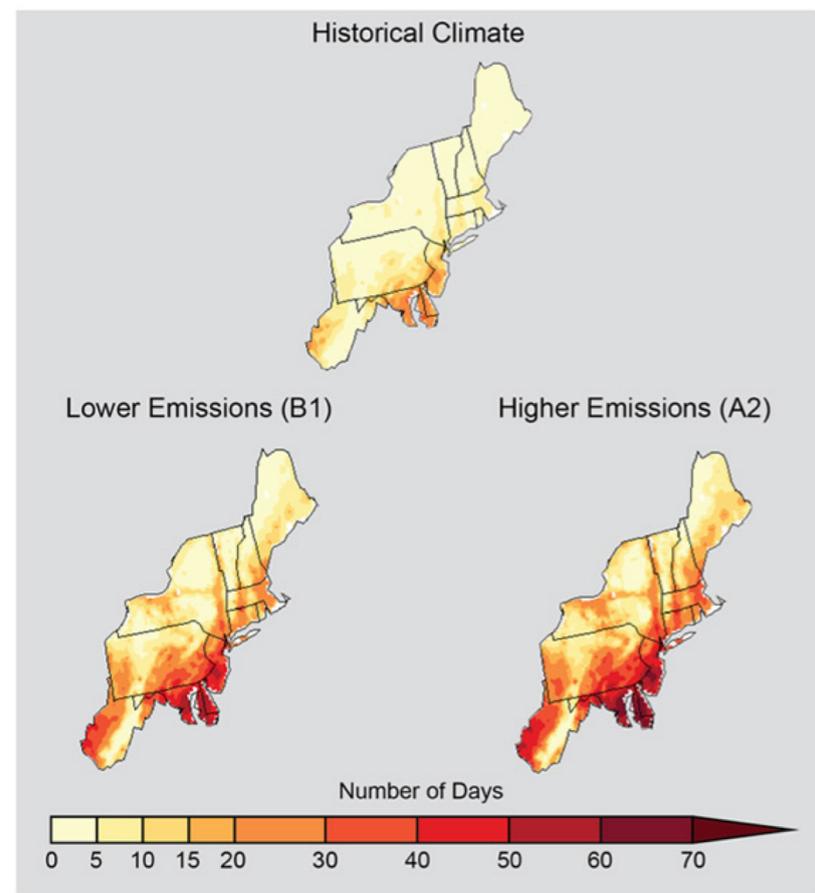




WHY READY FOR 100?

EXTREME WEATHER IN OUR REGION

Projected Increases in the Number of Days over 90°F



Southeastern PA in particular will experience rising air temperatures that will lead to increased:

- Heat waves
- Humidity
- Precipitation
- Inland flooding



August 13, 2018 - King of Prussia

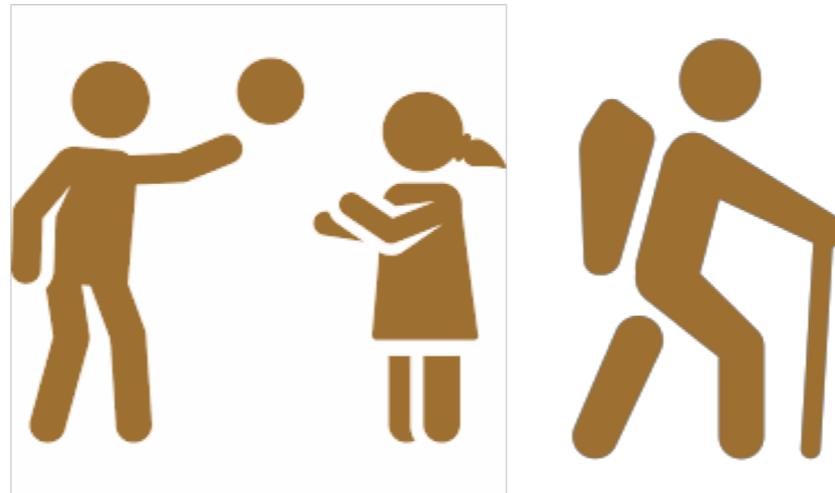
CONSEQUENCES

OF INACTION

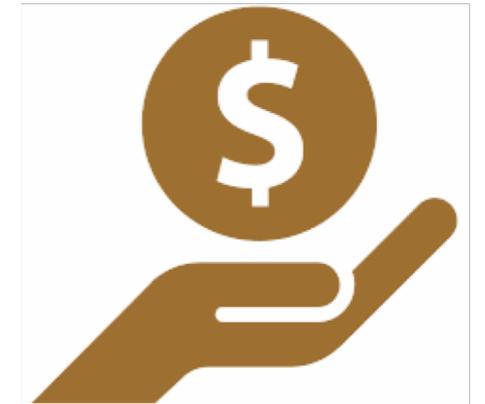
Without action extreme weather will negatively impact...



Our health



Our ability to enjoy the outdoors

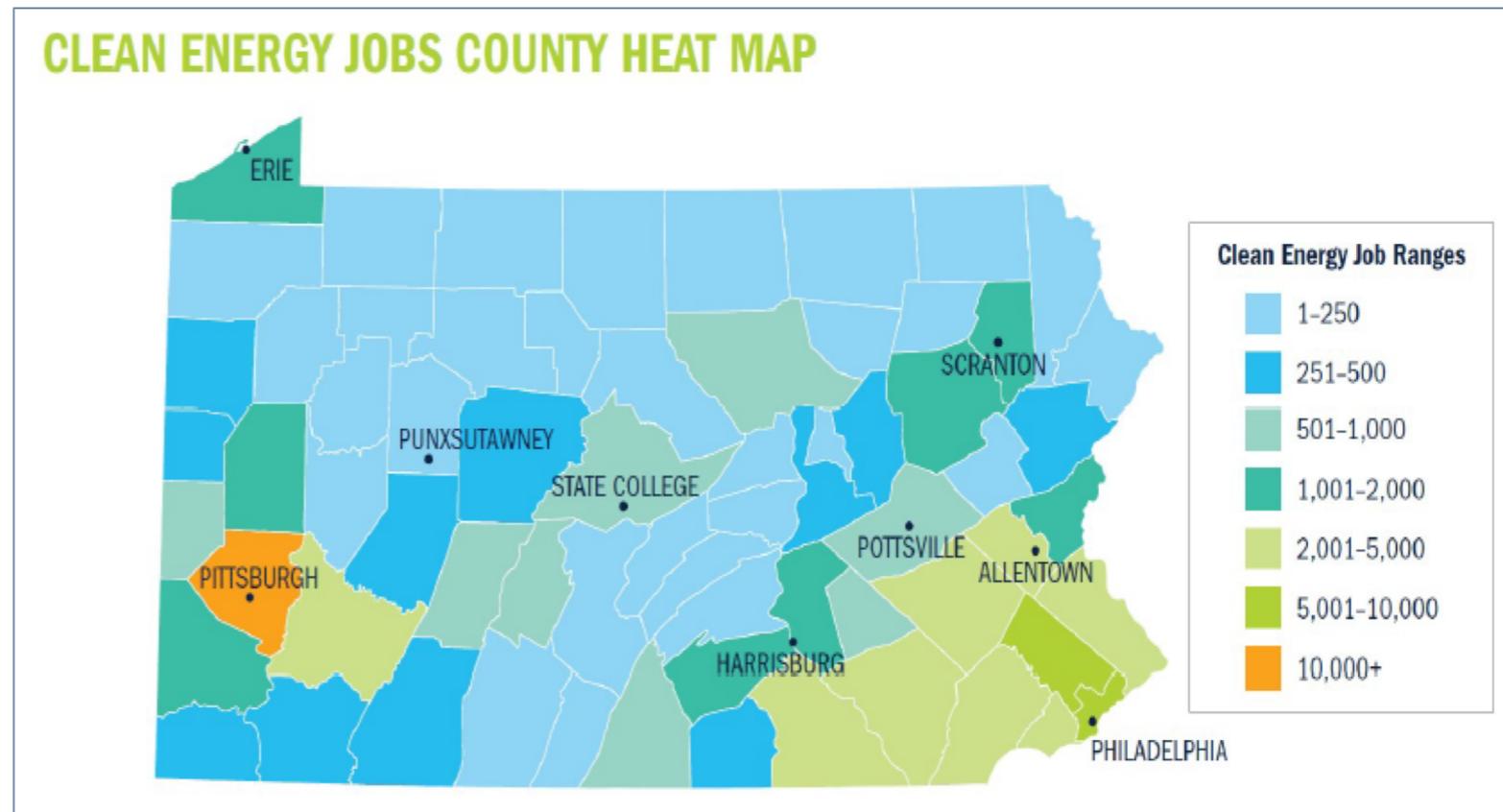


Our bottom-line

BENEFITS OF CHANGE

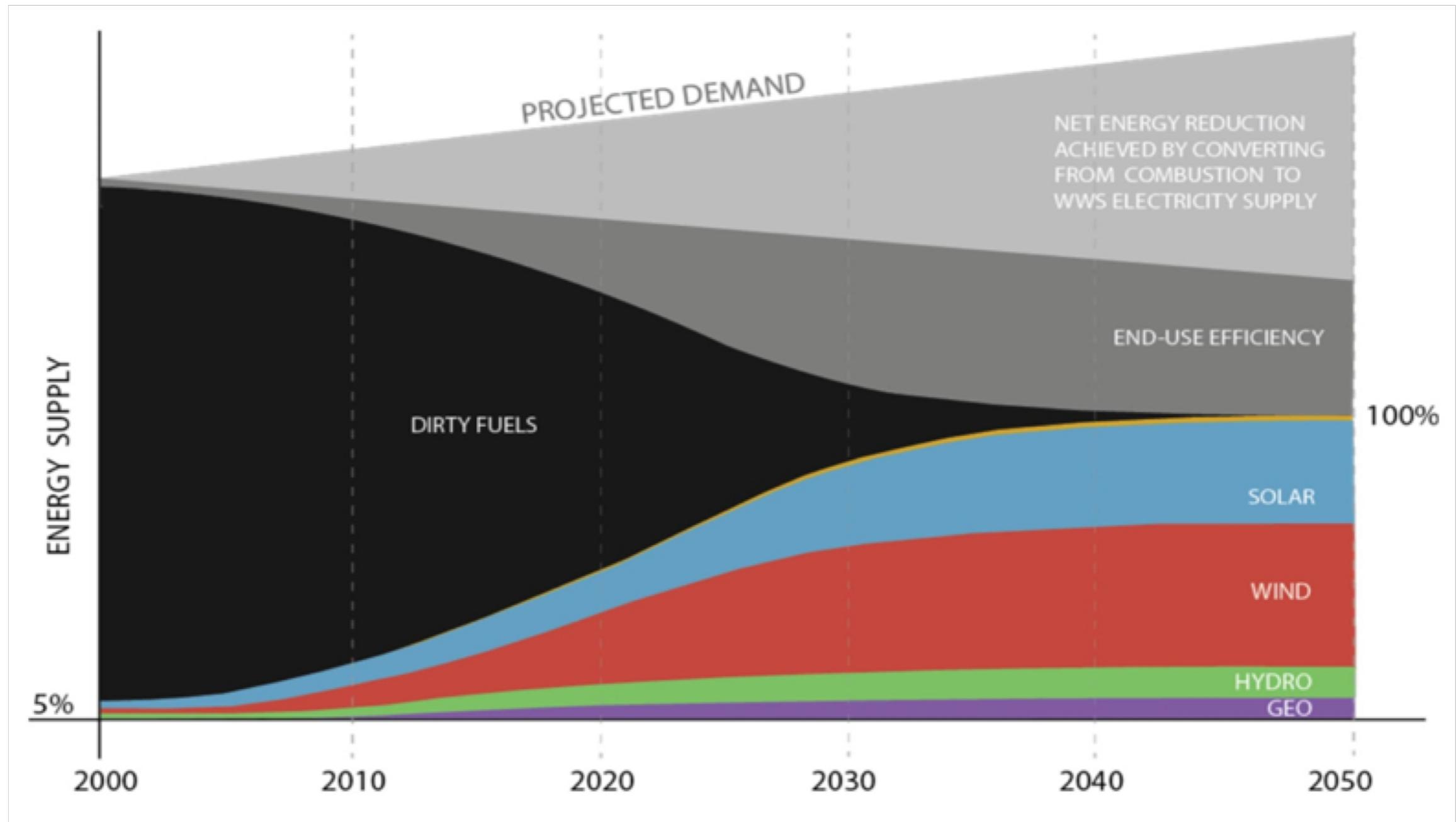
Transitioning to clean energy will lead to:

- A safer and healthier community
- Reduced costs over time
- Increased career opportunities
 - Nearly 70,000 careers in PA
 - 8,900 careers in Montco
 - 2x energy efficiency and renewable energy careers in PA as fossil fuel jobs



THE SOLUTION

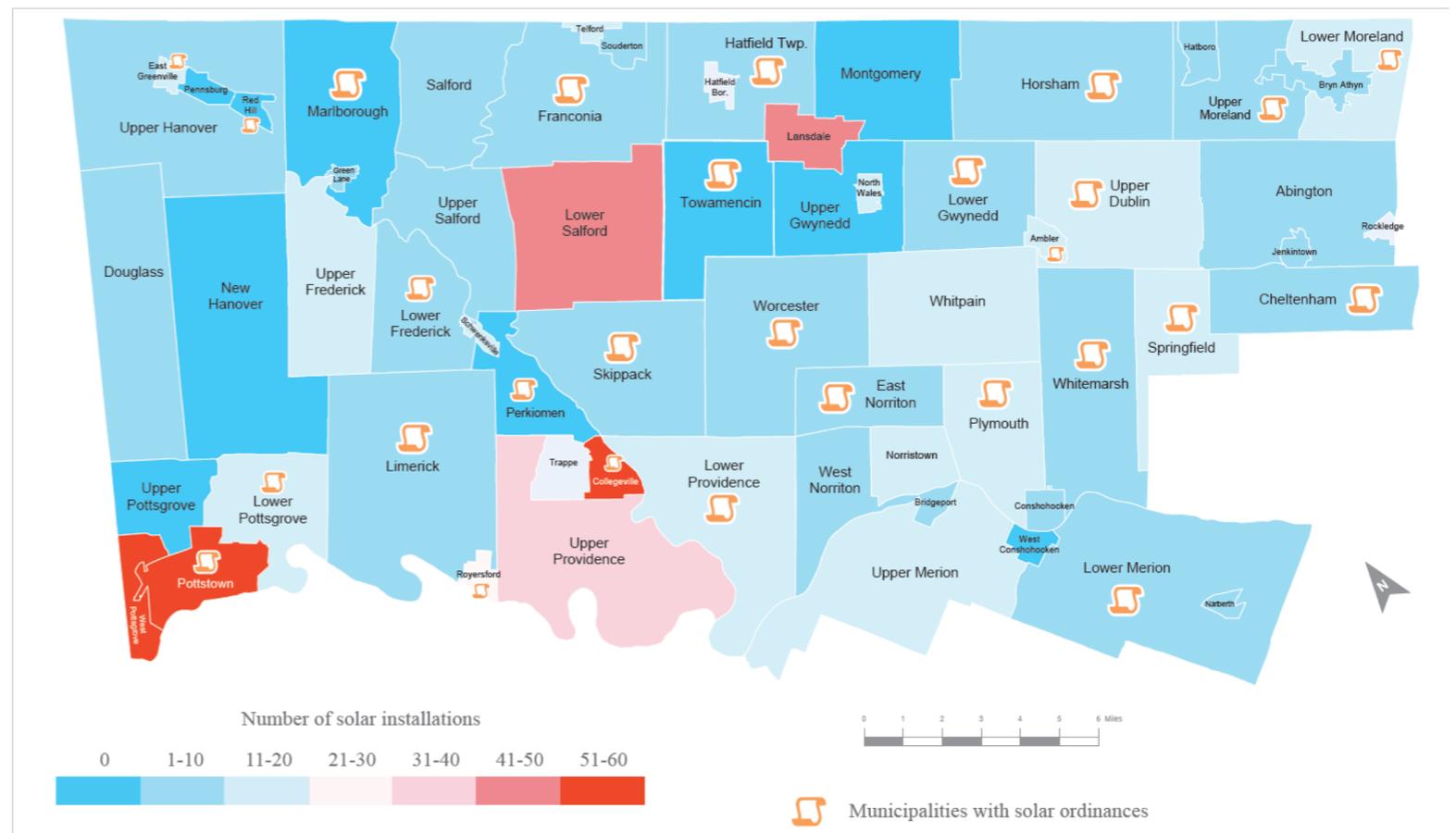
RENEWABLE ENERGY



WHO ELSE?

COUNTY LEADERSHIP

- County resolution committing to 100% wind energy
- Programs in place focusing on energy management, sustainability & resiliency
- Montco is pursuing SolSmart designation, which UM possesses



WHO ELSE?

SIMILAR STATE LEVEL EFFORTS



On January 8, 2019, Governor Wolf established PA's GreenGov Council which aims to:

- Achieve 26% reduction in greenhouse gas emission by 2025 and an 80% reduction by 2050

PennEnvironment helped draft and advocates for PA House Bill 1425 and Senate Bill 630 which will devise a statewide plan to transition to 100% renewable energy by 2050.

- HBI425 is co-sponsored by Rep. Tim Briggs
- SB630 is co-sponsored by Sen. Daylin Leach

