PennFuture



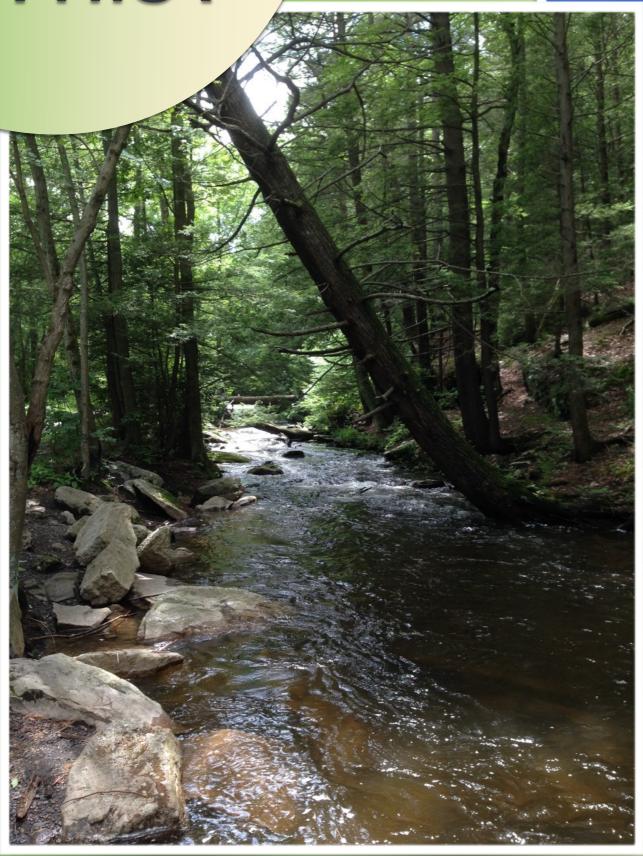
Pennsylvania and the Clean Power Plan

Rob Altenburg

Director, PennFuture Energy Center



This?









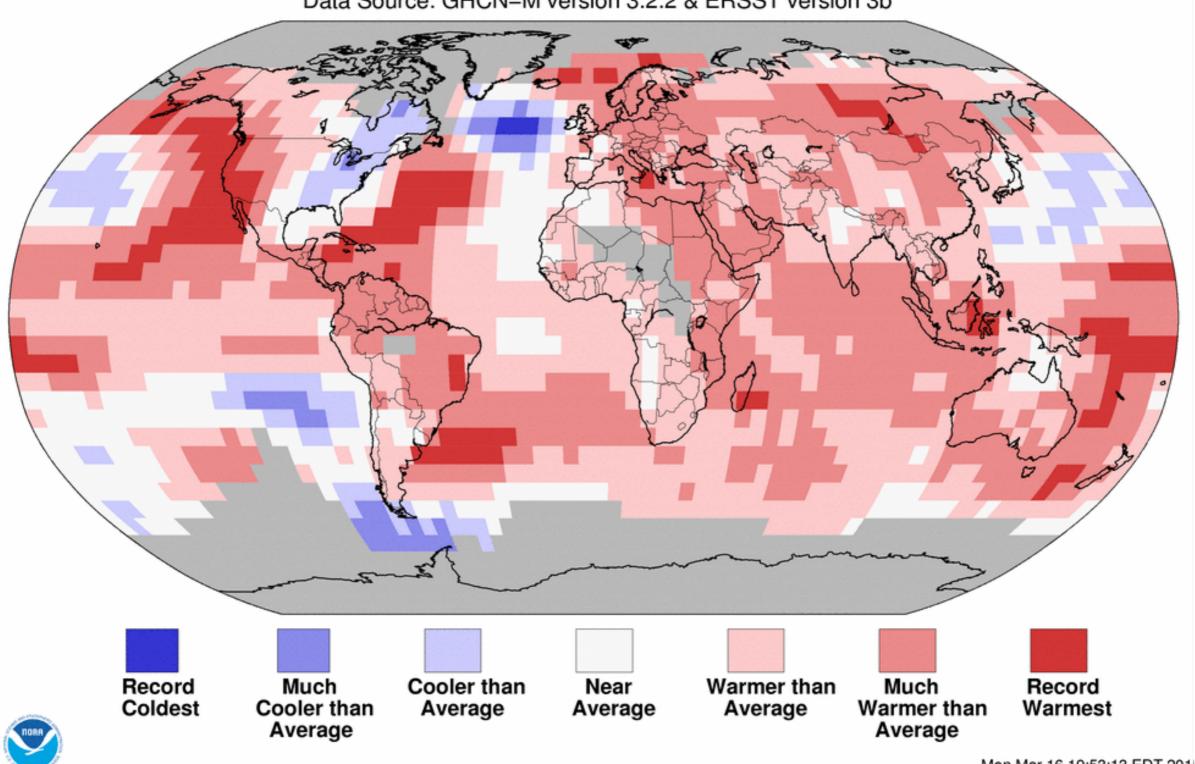


Or This?

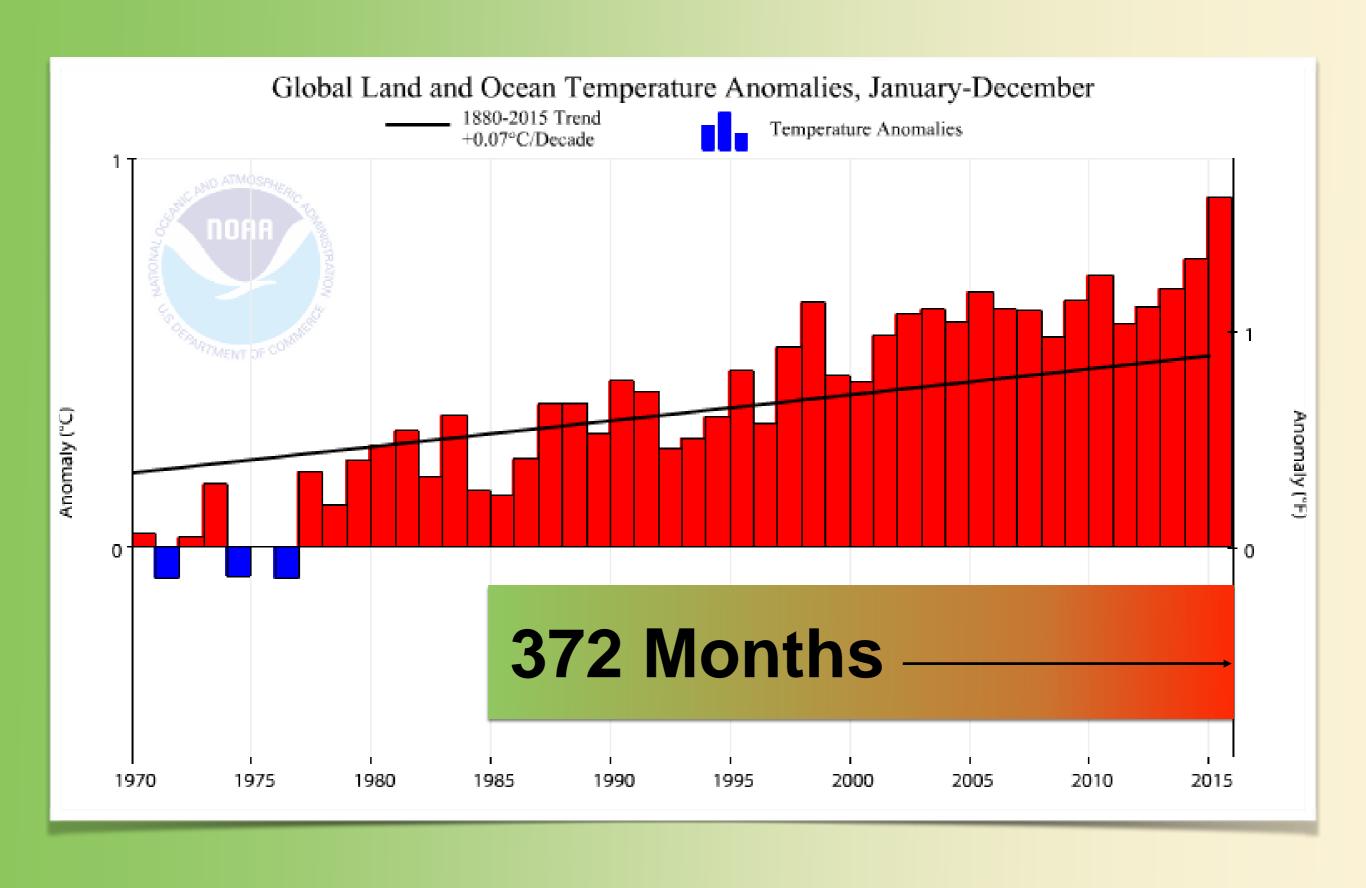
Land & Ocean Temperature Percentiles Dec 2014–Feb 2015

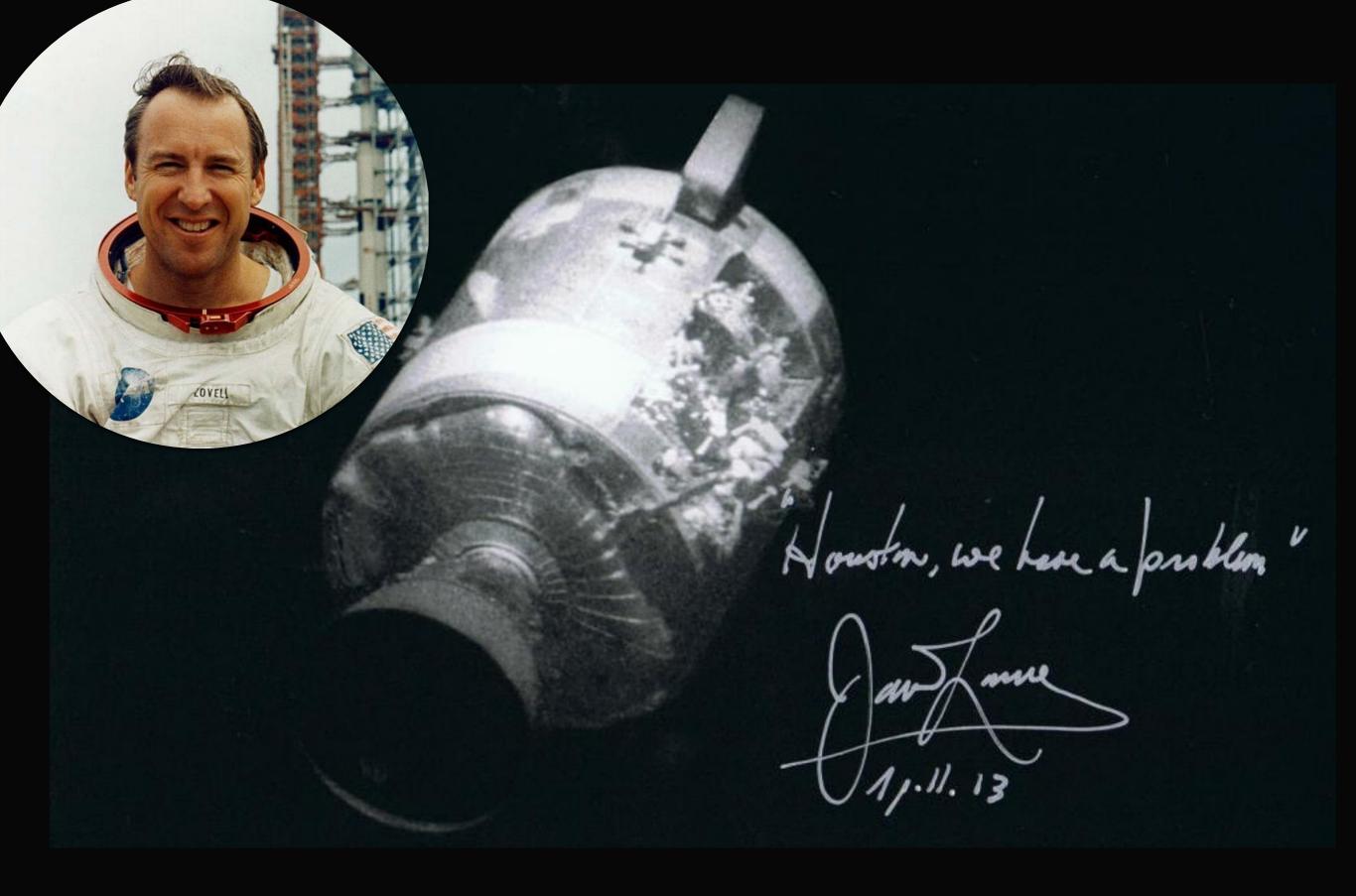
NOAA's National Climatic Data Center

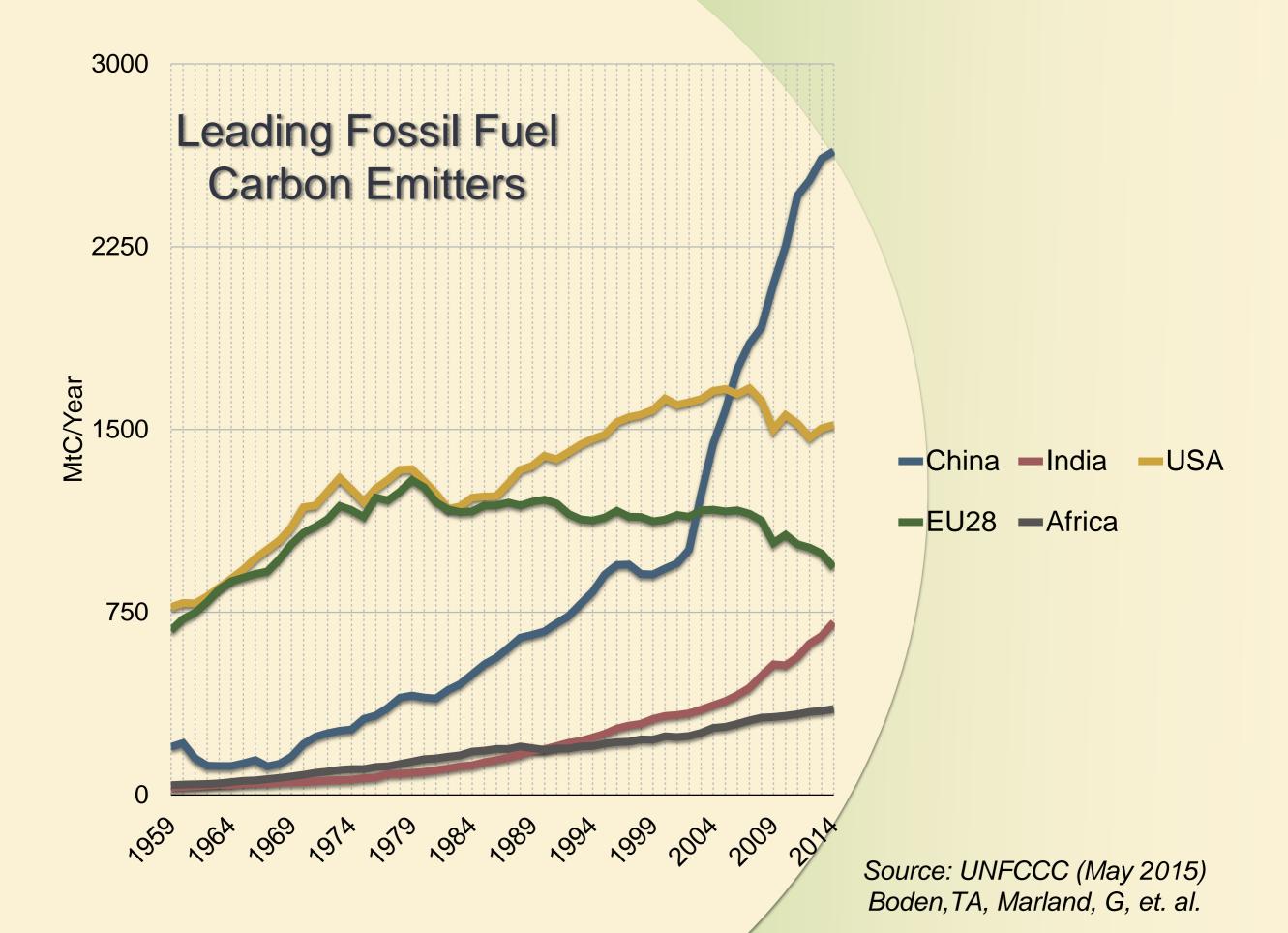
Data Source: GHCN-M version 3.2.2 & ERSST version 3b

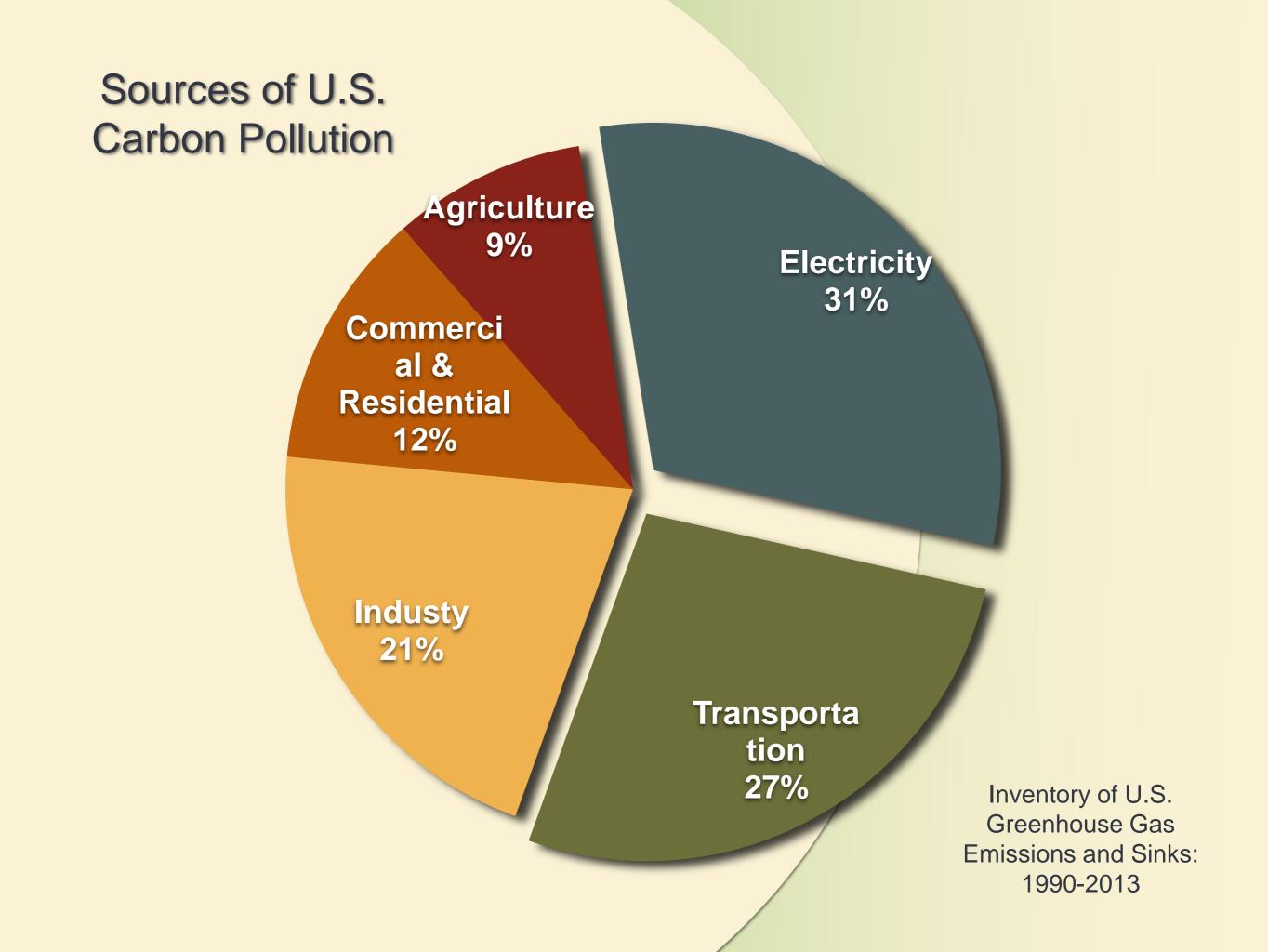












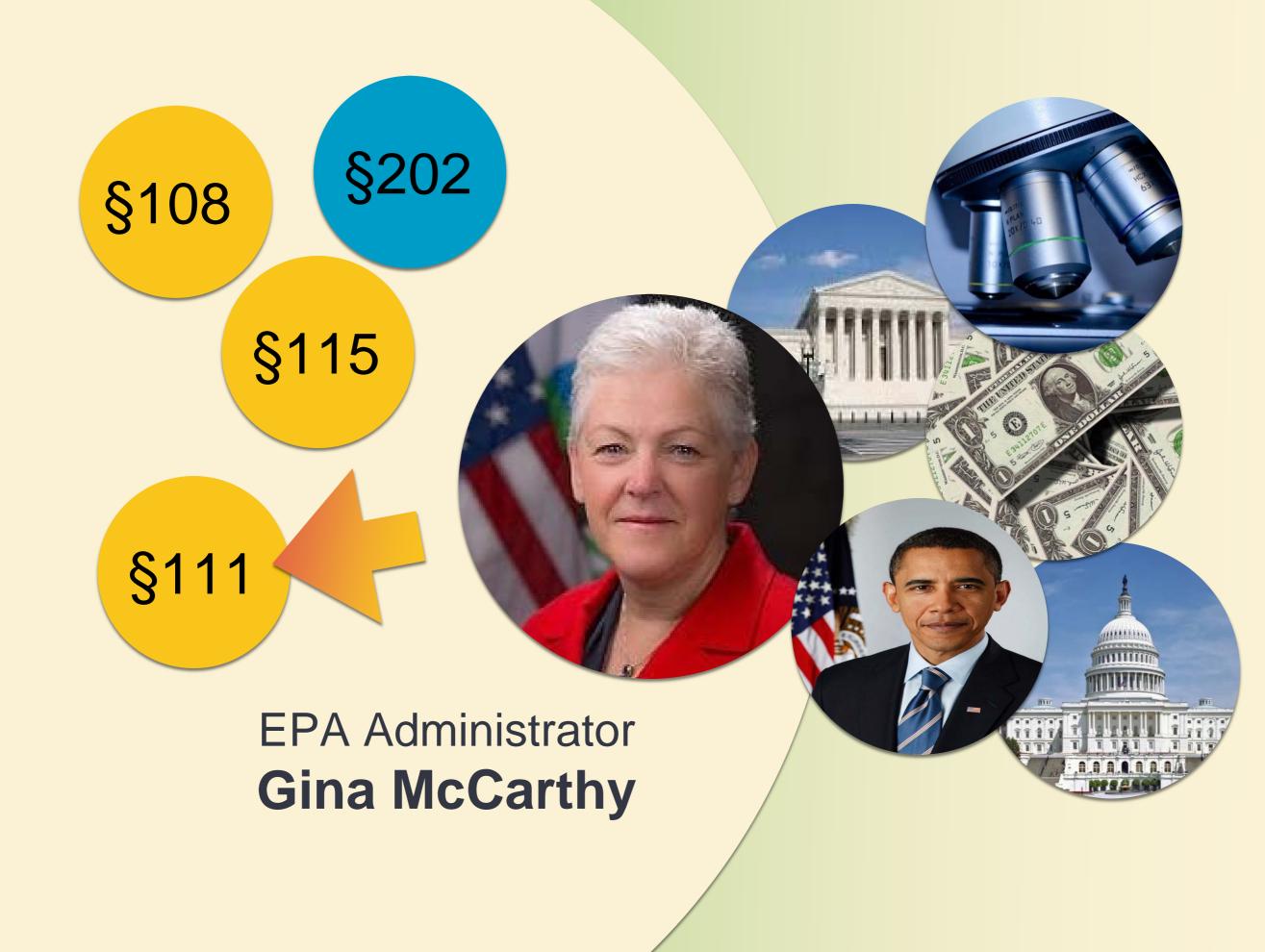




The Clean Air Act (1970 Extension)

William Russell Train Ruckelshau







Then

"...causes or contributes to air pollution which may reasonably endanger public health or welfare."



EPA shall establish standards of performance for new sources

§111: New Source Performance Standards

Best system of emissions reductions...a dequately demonstrated

(d)

existing sources

22 % (2012 – 2030)*



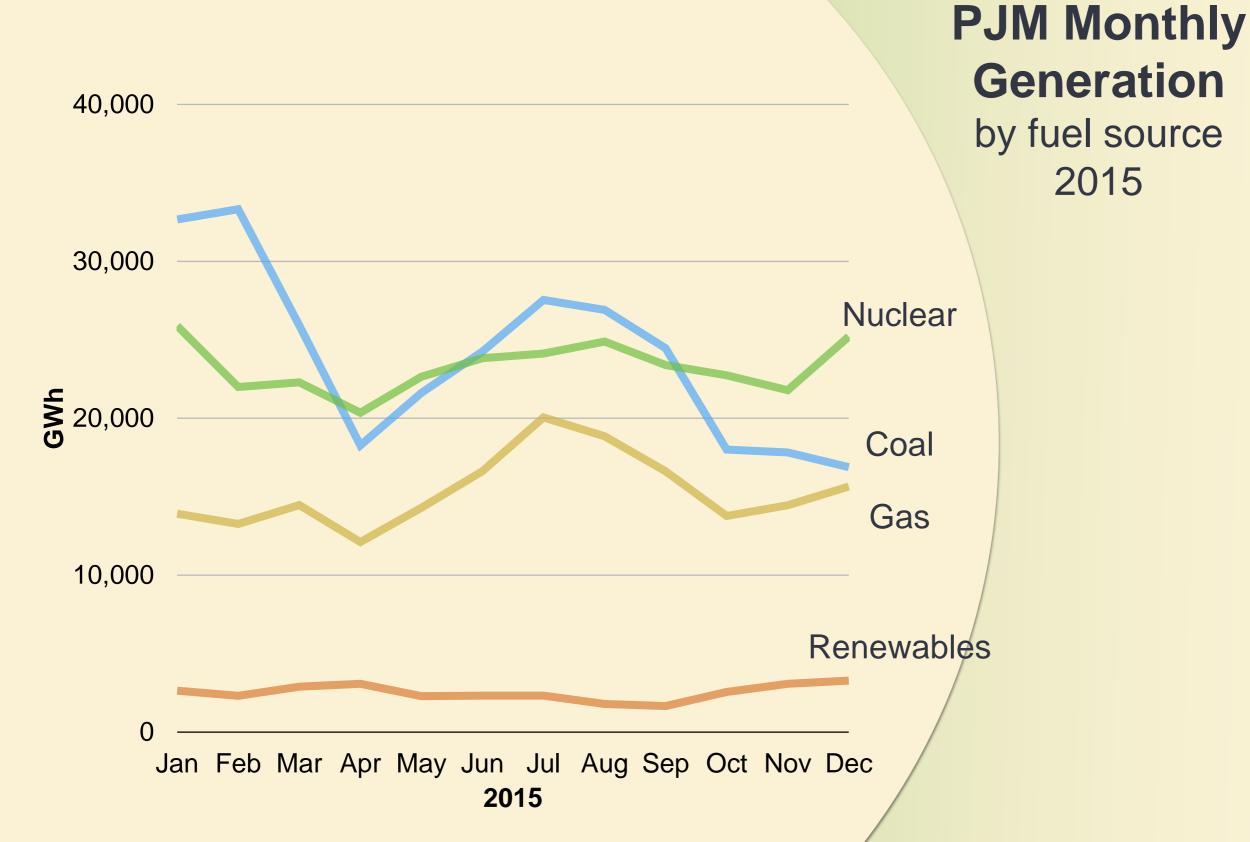




* Mass-based goals with new and existing sources

Name	Capacity	Retired	Age
Elrama	289MW	2012	57-59
Armstrong	343MW	2012	52-53
Titus	243MW	2013	58-61
Mitchell	359MW	2013	49-63
Hatfield's Ferry	1.6GW	2013	41-43
Sunbury	382MW	2014	60-64
Portand	401MW	2014	49-53
Shawville	597MW	2015	51-58





Source: State of the Market Report for PJM (2015)

NGA Models

Public Hearings

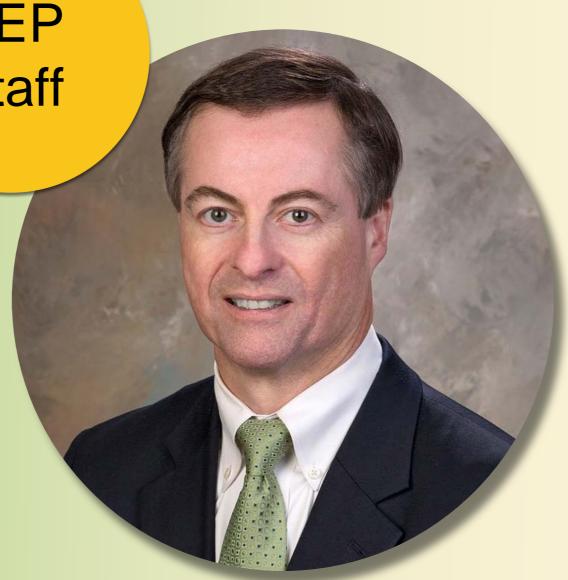
DEP Secretary John Quigley

EPA Guidance

> Advisory Committees

DEP Staff

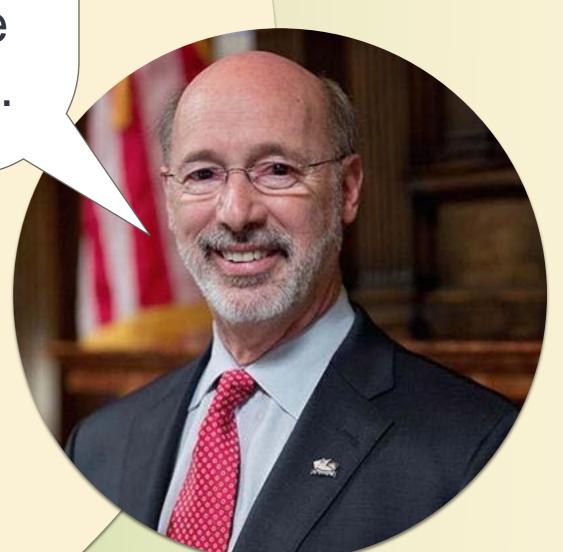
Stakeholder Meetings





Next Steps?

Pennsylvania will continue planning and engagement with stakeholders on the Clean Power Plan...





PennFuture

Energy Center

for Enterprise
and the Environment

Questions?

Rob Altenburg
Director, PennFuture Energy
Center