

## Climate Change, Coal Plants, and Transitioning to Cleaner Energy

Al Armendariz, Ph.D. Sierra Club, U.S.A.



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## CO2: where we are today because of last 200 years



410 ppm +

The Climate Movement after the Trump Election

- 1. Where are we post-Obama?
- 2. What is the role of non-profit (nongovernmental) organizations like Sierra Club?
  - 3. What is Trump trying to do?
    - 4. How we are fighting back?

#### Emissions from Power Plants 2009-2016



#### Not Just Blue States – Oklahoma -- Emissions from Power Plants 2009-2016



#### Retired 34 of NAACP's 50 Worst Coal Plants





#### Coal's Market Share Has Plummeted





#### This Year: Retire/Secure Retirement of 40% of US Coal Fleet (MW)



#### Gas Plant Tracker Map





#### Sierra Club coal retirement target + clean energy (draft)





In Next Four Years Advocacy Can Drive at Least 3X more Retirements By 2030 than Economics Alone (draft)



To replace all the coal we need to double the rate of clean energy installs

800,000





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MAR 16 2017, 7:10 AM ET

## Trump Rolls Back Obama-Era Fuel Economy Standards

by PAUL A. EISENSTEIN

# THE

## Trump signs bill undoing Obama coal mining rule

BY DEVIN HENRY - 02/16/17 03:54 PM EST



Scott Pruitt follows through on promise to oil and gas industry.

Secretary of the Interior Department lifted the ban on new coal leasing on federal land





Ananya Dutta 🗂 5 months ago 🗿 3 min read

## **Core CAA environmental protections**

## ozone (smog) air quality standard

#### **New Source Review**

### regional haze standards

## **The Climate Movement after the Trump Election**

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## Court orders EPA to meet Texas haze deadline, calls out Scott Pruitt's stall tactics

"Cooperative federalism" has had plenty of time to take hold, court argues.

MARK HAND 🔰 SEP 1, 2017, 10:21 AM







### Vistra to shutter East Texas coal-fired power plant

By James Osborne and Ryan Maye Handy | October 6, 2017 | Updated: October 9, 2017 1:37pm





#### Cleaning Up Exports of US Coal – United Bulk Terminal Louisiana



#### Keeping North American Carbon Fuels Away From International Markets --Proposed LNG Export Terminals



Winning in the Gulf, Next Steps – Big Oil – Refining and Petrochemicals – Reducing Toxic Emissions to Public Health



Dr. Martin Luther King Jr. : "We have not made a single gain on civil rights without determined legal and nonviolent pressure."



## We will win.

**The Climate Movement after the Trump Election** 1. Where are we post-Obama? 2. What is the role of non-profit (non-governmental) organizations like Sierra Club? 3. What is Trump trying to do? 4. How we are fighting back?

Thank you. It is an honor to speak to you about our work. I am happy to answer any questions.