



**SIERRA  
CLUB**

# **Legislative Path to 100% Clean Renewable Energy**

**The Sierra Club Maryland Chapter's Strategy  
for the 2019 Legislative Session**





# *It's about Climate Change*

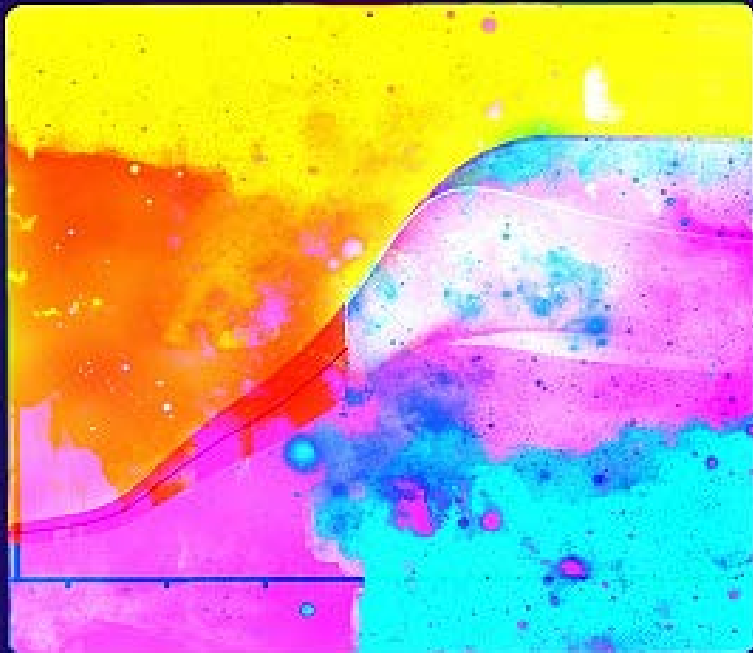


ipcc

INTERGOVERNMENTAL PANEL ON climate change

# Global Warming of 1.5°C

An IPCC special report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty



WG I WG II WG III



U.S. Global Change Research Program

# Fourth National Climate Assessment



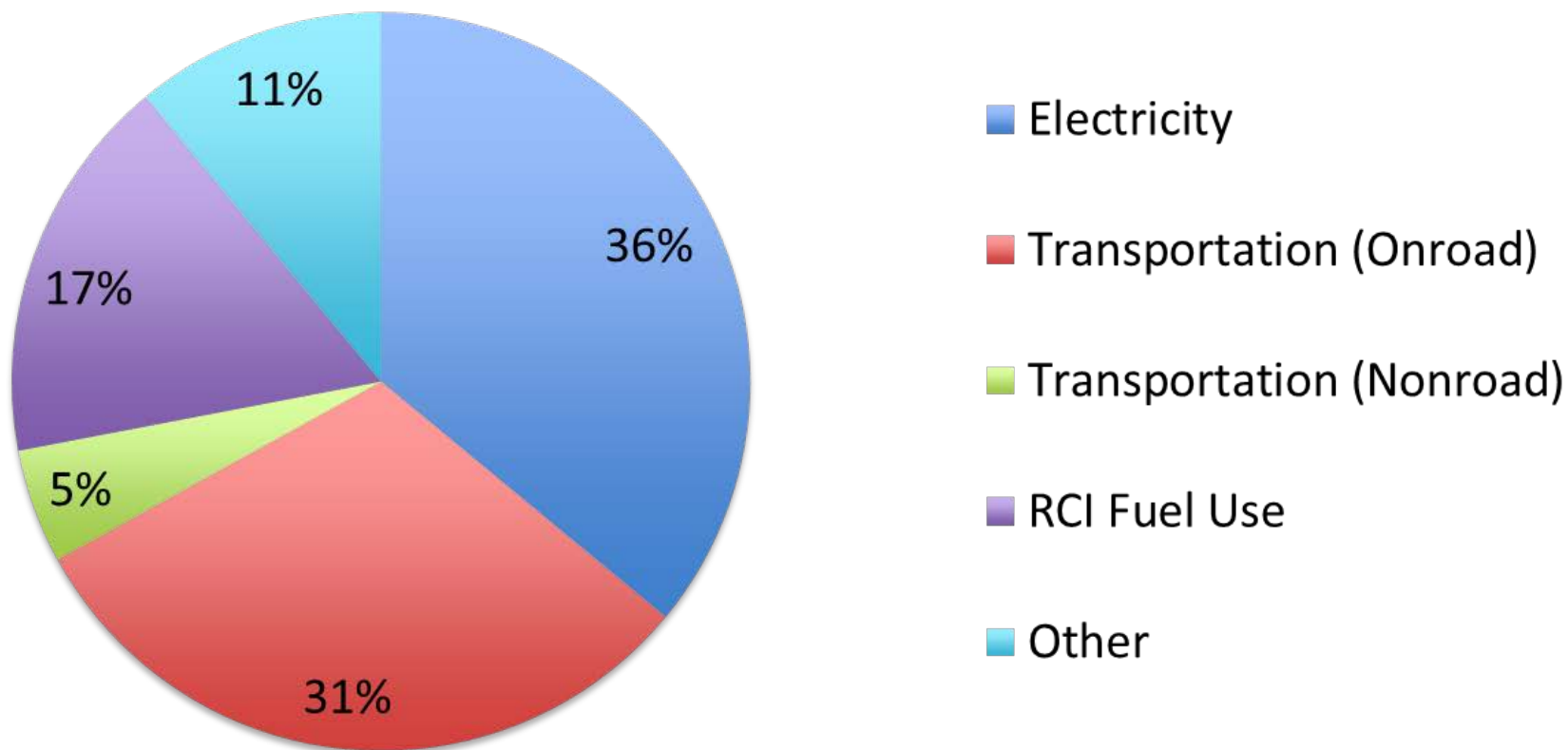
## Volume II

Impacts, Risks, and Adaptation in the United States



# Maryland Climate Pollution Sources

MD Climate Pollution (2014)





# Overview of Presentation

- **Background - Clean energy basics**
- **Background - Development of the strategy**
- **The 2019 clean energy legislative “package”**
- **Our legislative strategy**
- **How you can help**
- **Questions?**



# There is accelerating movement toward 100% Clean Energy

## Sierra Club

- “Ready for 100” campaign
- “Clean Energy for All” campaign

## Commitments

- **Municipalities - 100 (and counting)**
- **States - Hawaii, California, Washington D.C.**
- **Corporations - Google, Apple, IKEA, Walmart, Nike, Anheuser-Busch, General Motors...**



*Clean renewable energy is where we need to go, when we move...*

*Beyond coal*



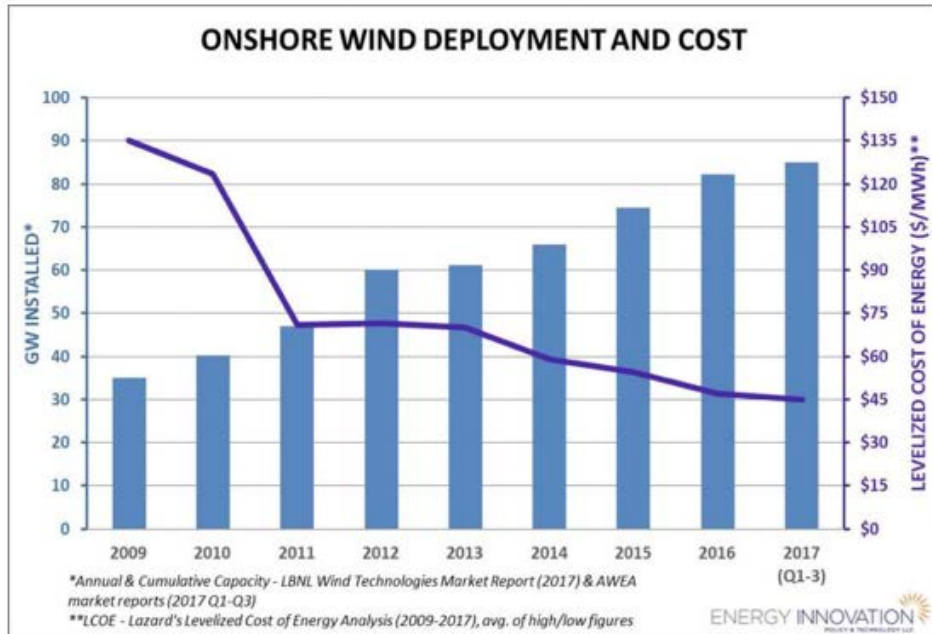
*Beyond gas*



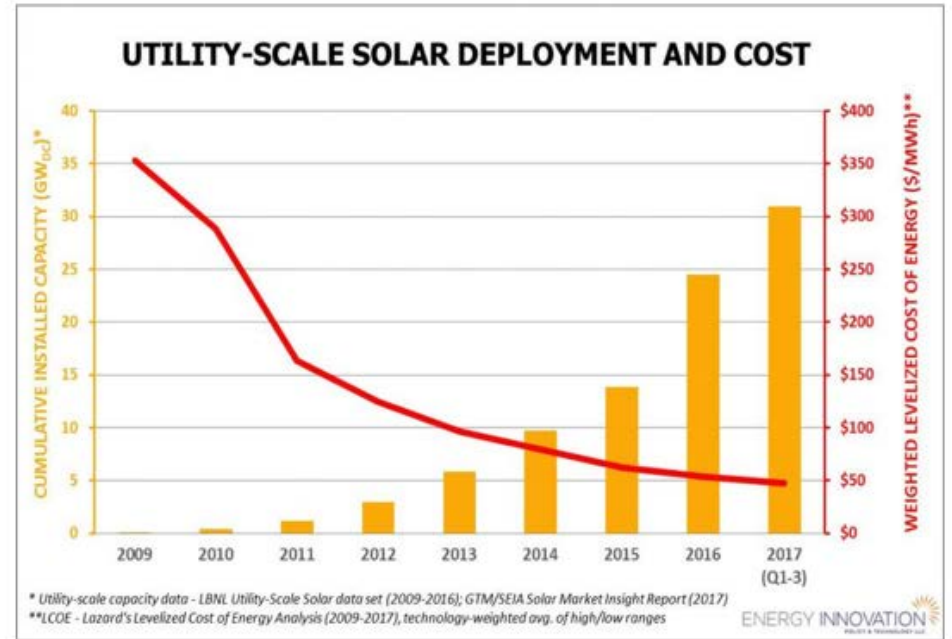
*Beyond nuclear*



# 100% clean renewable energy is feasible and affordable



From – “Levelized cost of energy for wind and solar continues to drop below fossil fuels.” Utility Dive, March 2018



From – “Levelized cost of energy for wind and solar continues to drop below fossil fuels.” Utility Dive, March 2018

“Joint developers of the 800-megawatt [offshore wind] project south of Martha’s Vineyard expect to provide power and renewable energy credits for 6.5 cents a kilowatt-hour.”

- Bloomberg.com – August 1, 2018

“Battery Storage will replace 3 California gas plants.”

- Utility Dive – November 9, 2018





## *Developing our clean energy strategy – Last year’s legislative session*

### Two different Bills to update our Renewable Portfolio Standard (RPS)

<b>Proposal</b>	<b>Clean Energy Jobs Act (2018)</b>	<b>100% Renewable Energy &amp; Equity Act (2018)</b>
<b>RPS target</b>	<b>50% by 2030</b>	<b>100% by 2035</b>
<b>Mechanism</b>	<b>Renewable Energy Credits</b>	<b>Long Term Clean Electricity Contracts</b>
<b>Solar</b>	<b>Substantial increase</b>	<b>Substantial increase</b>
<b>Offshore Wind</b>	<b>Increase permitted</b>	<b>Increase required</b>
<b>“Dirty” sources</b>	<b>Remove Waste Incineration</b>	<b>Remove all</b>
<b>Job training</b>	<b>Funded</b>	<b>Funded</b>
<b>Equity</b>	<b>Support small, minority, &amp; women-owned businesses</b>	<b>Cap energy costs for low-income ratepayers</b>



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## What our legislators asked for:

*“One position from the environment community”*



## What we did last summer (and fall)

- MD Climate Coalition commissioned study of both RPS Bills by Vermont Institute for Energy & Environment
- Technical presentation and discussion with MDCC
- Follow-up technical and policy discussions
- Discussion and agreement on some changes to CEJA



## Key learning from this process:

### “Additionality”

*Strengthening Maryland’s impact in development of new clean renewable energy sources*

- Create “carve-outs” for specific energy resources
- Reduce “dirty” sources (to make more room for clean renewables)
- Use long term contracts to purchase electricity from clean renewable sources



# Clean Energy Jobs Act / 2019

Proposal	Clean Energy Jobs Act (2019)	What that means?
RPS target	50% by 2030; <i>Require plan for 100% by 2040</i>	Approx. 29 million MWh
Mechanism	Renewable Energy Credits	SRECs, ORECs, and RECs
Solar	Substantial increase	14.5% in-state solar by 2028
Offshore Wind	Substantial increase <i>required</i>	Approx. 10% in-state by 2030
“Dirty” sources	Remove Waste Incineration	Trash incineration equivalent to over 1 million MWh
Job training	Funded	Millions of dollars for workforce development in clean energy
Equity	Support small, minority, & women-owned businesses	Nearly \$20 million in capital funding



# Sierra Club's 3-part 2019 Strategy

1. Support CEJA /2019 (with amendments)
  - *Defend essential elements!*
2. Push for amendments to strengthen CEJA
  - *Increase 2030 target to 60% (approx. 35 million MWh)*
  - *Remove additional dirty sources (wood)*
3. Support Long-Term Contracts Bill
  - *Require 50% of RPS to come from long-term contracts for renewable energy*



## How you can support this strategy

- Advocate to key legislators
- Spread the word – activate other local organizations, congregations
  - *Consider Film Showings (“Reinventing Power”)*
- Write – Letters to the Editor, Op-Eds
- Attend Lobby Night – Monday Feb 25th
  - *Register at [www.mdlobbysnight.com](http://www.mdlobbysnight.com)*
- Action Alerts – call your legislators
  - *May include action alerts for hearings, key votes*
- Attend Rallies/Hearings in Annapolis
- More...



# Key Legislators – Senate Finance Committee

**Kelley, Delores G.** (Chair) - Baltimore County, District 10

Feldman, Brian J. (Vice Chair) - Montgomery County (sponsor)

**Augustine, Malcolm** - Prince George's, District 47

**Beidle, Pamela**, Anne Arundel County, District 32

**Benson, Joanne C.**, Prince George's, District 24

**Hayes, Antonio**, Baltimore City District 40

Hershey, Stephen S., Jr., Eastern Shore, District 36

Jennings, J. B., Baltimore and Harford County - District 7

**Klausmeier, Katherine**, Baltimore County, District 08

Kramer, Benjamin F, Montgomery County (sponsor)

Reilly, Edward R., Anne Arundel County, District 33





# Key Legislators – House Economic Matters Committee

**Kris Valderrama Prince George's County, District 26**

**Mary Ann Lisanti Harford County, District 34A**

**Lorig Charkoudian Montgomery County, District 20**

**Ben Brooks Baltimore County, District 10**

Diana Fennell Prince George's County, District 47A

Lily Qi Montgomery County, District 15

Pam Queen Montgomery County, District 14



# Learn More and Get Involved



For more information and to volunteer:

Email: [Legislation@MDSierra.org](mailto:Legislation@MDSierra.org)

Web: <https://www.sierraclub.org/maryland/legislation>



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**Questions?**