

# **EVs, Air Quality, Infrastructure**

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## **Santa Barbara County Air Pollution Control District**

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# EVs and Air Quality

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- Cars and trucks the major onshore source of smog-forming air pollution in Santa Barbara County.
  - Tailpipe emissions, not including lifecycle emissions from oil and gas processing, transport, or gas station.

# EVs and Air Quality

- Battery-electric vehicles are considered by the state to be zero-emission vehicles.
  - Does not take into account power plant or lifecycle emissions.

**Search Results by Make/Model** View 2011 ▾

Create a side-by-side comparison of the potential costs, savings and environmental impacts. Choose up to three vehicles below and select the Compare button to continue.

Make/Model	Technologies & Fuel Types	Global Warming Score	Smog Score
 <a href="#">2011 Nissan LEAF</a>	 Battery Electric	 10 1 10 Cleanest	 10 1 10 Cleanest

View 2011 ▾

# EVs and Air Quality

## Points to Consider

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- This is transitional period. Need to:
  - Transition to cleaner cars, AND
  - Conserve energy, AND
  - Increase renewable energy sources.

# EVs and Air Quality

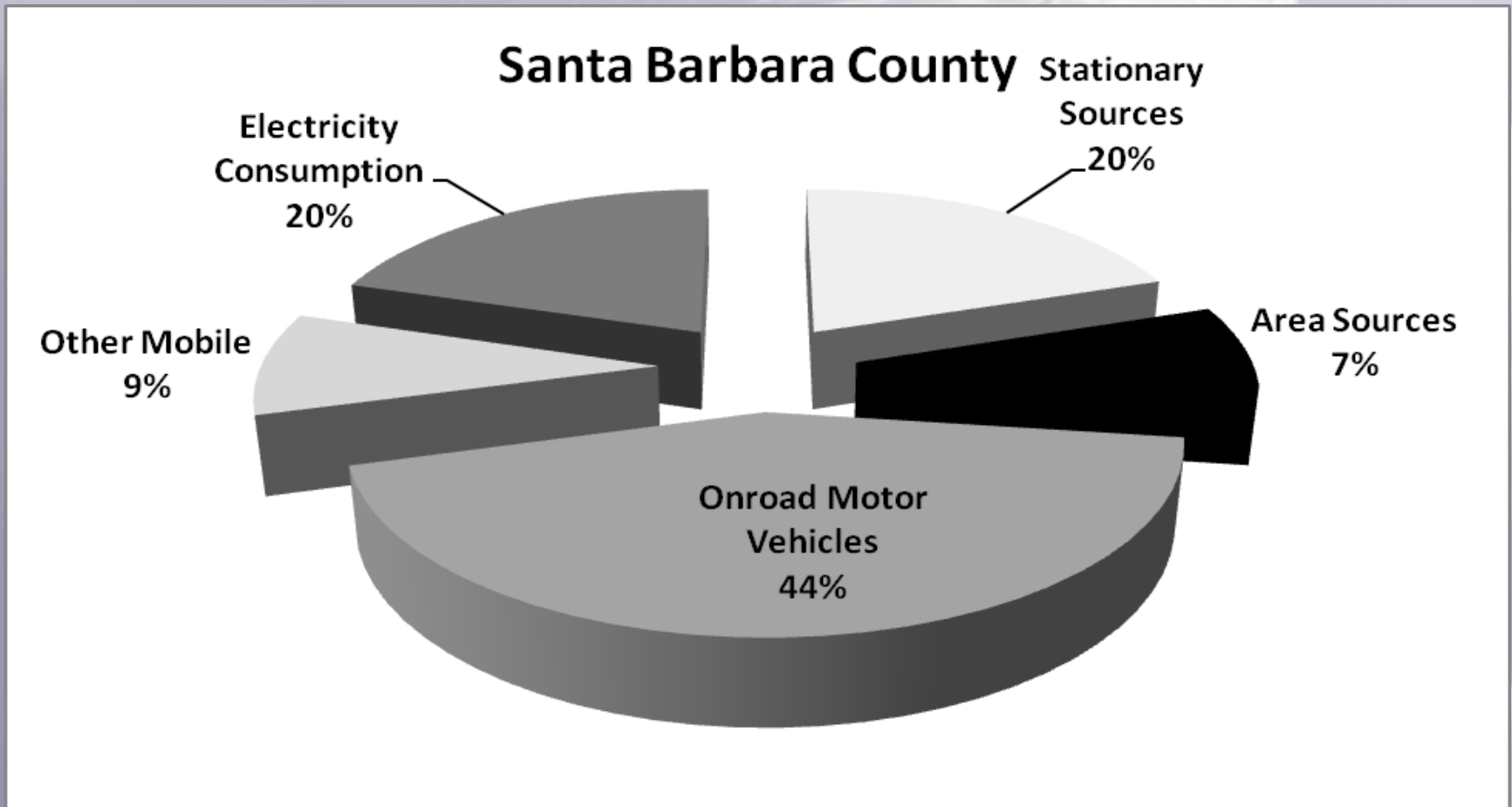
## Points to Consider

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- Santa Barbara County power sources
  - Majority of power supplied by two investor-owned utilities regulated under the state's Renewable Energy Portfolio Standard.
- Greenhouse gas emissions

# Greenhouse Gas Emissions

Onshore sources of Carbon Dioxide – 2010 Clean Air Plan



# Infrastructure

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- Need for public charging station network
  - Where would stations be most useful?
- Visit: [www.OurAir.org](http://www.OurAir.org)
- Compare vehicles: [www.driveclean.ca.gov](http://www.driveclean.ca.gov)
- Contact: [TanR@sbcapcd.org](mailto:TanR@sbcapcd.org).