

Arizona PIRG

Education Fund

Clean Energy, Clean Transportation, Clean Air

Arizona's U.S. Senators Kyrsten Sinema and Mark Kelly, our U.S. Representatives, and state and local officials need to lead efforts to significantly increase clean energy and clean transportation. Below are 10 of numerous documents illustrating that from job creation and utility bill savings to reduced air pollution and decreased adverse health impacts, Arizonans and Arizona businesses clearly benefit from clean energy and clean transportation investments.

[Economic Impact of Stimulus Investment in Advanced Energy for America – June 2021](#)

The Analysis Group report conducted for Advanced Energy Economy focuses on the potential economic impact of advanced energy technologies investments. According to their findings an investment of \$600 billion in advanced energy technologies would add \$3.5 trillion to the national economy; create more than 28 million new jobs (in job years); generate over \$600 billion in annual tax revenue at all levels of government; and save consumers over \$74 billion annually on energy costs.

[A Guide to Energy in Arizona – October 2020](#)

The Arizona PIRG Education Fund compiled key research and reports impacting Arizonans on issues including Energy Efficiency & Demand Response; Integrated Resource Planning (IRP); Clean Energy; Renewable Energy & Distributed Generation; Just & Equitable Transition for Coal-Impacted Communities; Electric Vehicles (EVs); and Consumer Impacts & Public Participation. A number of organizations and individuals contributed their decades of energy expertise to this effort.



A GUIDE TO ENERGY IN ARIZONA

FALL 2020



Clean Energy

[Arizona Clean Energy Rules – January 2021](#)

The report, conducted by Strategen Consulting and released by the Southwest Energy Efficiency Project, projects that if Arizona's regulated utilities continue with basic investments in energy efficiency & clean energy, electricity costs will be reduced by more than \$2 billion through 2035.



[Arizona Renewable Energy Standard and Tariff: 2020 Progress Report – March 2020](#)

The economic benefits of Arizona's 2006 Renewable Energy Standard and Tariff (REST) were calculated by Strategen Consulting and released by Ceres. The analysis found the REST has led to more than \$1.5 billion and \$469 million in gross benefits for the public and customers of Arizona Public Service and Tucson Electric Power, respectively; \$11.62 billion in solar-industry investments, which has stimulated job growth and market development; and savings of 7,129-acre feet of water annually, enough water to serve the needs of nearly 44,000 Arizonans each year.



Clean Transportation

[Ready to Charge Fact Sheet – July 2021](#)

The Ready to Charge fact sheet by the Arizona PIRG Education Fund and Frontier Group emphasizes that Arizona needs more charging capacity to support electric vehicle adoption and notes policies that can help promote EV adoption: expand public charging capacity, make EV chargers more accessible by increasing interoperability, and increase the visibility and price transparency of public charging stations.

[Comprehensive Transportation Electrification Plan for Arizona, Phase Two – April 2021](#)

The report by Energy and Environmental Economics, generated for Tucson Electric Power and Arizona Public Service, shows that under a medium adoption scenario, transportation electrification could provide total lifetime net benefits of \$9 billion to electric vehicle purchasers in Arizona by 2040 through lower total cost of ownership, and \$12 billion to electric utility customers through downward pressure on electricity rates. Reductions in greenhouse gas emissions, local air pollutants, and gasoline consumption could also lead to \$28 billion in benefits for Arizona as a whole. The report follows [Electric Vehicle Cost-Benefit Analysis](#), a study produced by M.J. Bradley & Associates for Western Resource Advocates and the Southwest Energy Efficiency Project, which also estimated benefits that would accrue to electric utility customers in Arizona.

[Transform Transportation – April 2021](#)

The Arizona PIRG Education Fund and Frontier Group’s report provides a roadmap to steer policy makers towards transportation options that save consumers money and protect public health, such as by expanding transit networks and creating “complete streets” – streets that are pedestrian and bicycle friendly, safe, and accessible.

[Coalition for Transportation Choices Principles](#)

– October 2020

The Coalition for Transportation Choices works to increase public transit and active transportation. The Coalition for Transportation Choices, convened by the Arizona PIRG Education Fund, includes representatives of organizations that advocate on behalf of senior citizens, individuals with disabilities, consumers, healthy and livable communities, air quality, community interests, local economic impacts, and transit.

Clean Air

[Electric Buildings – May 2021](#)

The Arizona PIRG Education Fund and Frontier Group report highlights that new and improved technologies are making it easier and more affordable for households to switch from gas, a fossil fuel, to electric water heating and electric appliances, such as stoves. Analysis cited in the report states that electrifying the vast majority of America’s residences and commercial spaces by 2050 could reduce net greenhouse gas emissions from the residential and commercial sectors by about 306 million metric tons of carbon dioxide in 2050, the equivalent of taking about 65 million of today’s cars off the road.

[State of the Air – April 2021](#)

According to the American Lung Association’s annual report, eighty-six percent of Arizonans live in a county that received at least one failing grade for ozone days, particle days, and/or annual particle pollution. Clean energy and electric vehicles mitigate poor air quality and negative health impacts such as asthma attacks, lung cancer, strokes, and premature deaths.

