



Transitioning from Fossil Fuel to Clean Energy

Key Decarbonization References

Below is a non-exhaustive, but curated, list of studies, reports, books, and articles that are valuable to read to gain an understanding of how deep decarbonization can be achieved current as of July 2017.

Studies

- [Deep Decarbonization Pathways Analysis for Washington State](#); [Deep Decarbonization Pathways Analysis](#); [Deep Decarbonization Summary](#) (Evolved Energy Research, May 2017)
- [United States Mid-Century Strategy for Deep Decarbonization](#) (The White House, November 2016)
- [The Sky's the Limit: Why the Paris Climate Goals Require a Managed Decline of Fossil-Fuel Production](#) (Oil Change International, September 22, 2016)
- [Clean Energy: The Future is Here](#) (Goldman Sachs, 2016)
- [Summary of the California State Agencies' PATHWAYS Project: Long-Term Greenhouse Gas Reduction Scenarios, April 6, 2015](#), and [California Pathways: GHG Scenario Results, April 6, 2015](#) (Energy and Environmental Economics, Inc., 2015)
- [An Innovation-Based Clean Energy Agenda for America](#) (Robert D. Atkinson, Center for Clean Energy Innovation, June 2015)
- [Key Principles for an Energy Policy that Meets U.S. Environmental and Economic Needs](#) (Center for American Progress, October 26, 2015)
- [Delivering on the U.S. Climate Commitment: A 10-Point Plan Toward a Low-Carbon Future](#) (Hausker et al., World Resources Institute, May 2015)
- [Energy \[R\]evolution 2015: A Sustainable World Energy Outlook 2015](#) (Sven Teske, Greenpeace International 2015)
- [100% Clean and Renewable Wind, Water, and Sunlight \(WWS\) All-Sector Energy Roadmaps for the 50 United States](#) (Mark Z. Jacobson et al., *Energy and Environmental Science*, Stanford University, 2015)
- [Economic Analysis of US Decarbonization Pathways](#) (NextGen Climate America, Inc. November 5, 2015)
- [Decarbonizing Development](#) (Stephan Hallegatte et al., World Bank, 2015)
- [California Climate Policy to 2050: Pathways for Sustained Prosperity](#) (Next 10, David Roland-Holst, UC Berkeley, April 28, 2015)
- [California 2030 Low Carbon Grid Study](#) (National Renewable Energy Laboratory (NREL))
- [Pathways to Deep Decarbonization in the United States 2050 Volume 1 Technical Report](#) (James William et al., Energy and Environmental Economics, Inc., 2014)
- [New York State Reforming the Energy Vision \(REV\)](#)
- [Rocky Mountain Institute: Transportation](#); [Buildings](#); [Electricity](#); [Choreographing High-Renewable Electricity Systems](#)
- [World Resources Institute: The Future Electricity Grid](#); [Charge, WRI's Electricity Initiative](#)
- [The Regulatory Assistance Project: Teaching the Duck to Fly: Integrating Renewable Energy](#) ([first edition](#) and [second edition](#))
- [The Fossil Fuel Transition Blueprint](#) (Carbon Tracker Initiative, Energy Transition Advisors)

Books

- [Drawdown: The Most Comprehensive Plan Ever Proposed to Reverse Global Warming](#), Paul Hawken, Penguin Books, 2017
- [Putting the Genie Back: Solving the Climate and Energy Dilemma](#), David Hone, Emerald Publishing, 2017
- [Clean Disruption of Energy and Transportation: How Silicon Valley Will Make Oil, Nuclear, Natural Gas, Coal, Electric Utilities, and Conventional Cars Obsolete by 2030](#), Tony Seba, 2016
- [The Grid: The Fraying Wires Between Americans and Our Energy Future](#), Gretchen Bakke, Bloomsbury Press, 2016
- [Our Renewable Future](#), Richard Heinberg and David Fridley, Post Carbon Institute, Island Press, 2016.
- [A World to Live in](#), George Woodwell, MIT Press, February 2016
- [Power Density: A Key to Understanding Energy Sources and Uses](#), Vaclav Smil, MIT Press, May 15, 2015
- [Smart Power: Climate Change, the Smart Grid, and the Future of Electric Utilities](#), Peter Fox-Penner, James E. Rogers, Dan Esty, Daniel Dobbeni, Lyon Rive, Island Press, 2014
- [Transport Revolutions: Moving People and Freight without Oil](#), Richard Gilbert and Anthony, New Society Publishers, March 2010.
- [Sustainable Energy without the Hot Air](#), David McKay, February 20, 2009

Articles

- [Here's what it would take for the US to run on 100% Renewable Energy](#), Vox, David Roberts, May 3, 2016
- [Fuel Switching: An Essential Step Towards a Decarbonized Future](#), CleanTechnica, Indradeep Ghosh, May 23, 2016
- [The Race to Remake the World's Energy](#), *The Atlantic*, Heather Horn, December 8, 2015
- [70%, 80%, 99.9%, 100% Renewables](#)—Study Central, CleanTechnica
- [Go 100 Renewable Energy Studies](#)—Go100%

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