**Vermont Core Climate and Energy Reports**

* [Comprehensive Energy Plan](http://publicservice.vermont.gov/publications-resources/publications/energy_plan/2015_plan) (2016) This report lays out a pathway to help Vermont achieve its goal of meeting 90% of our energy needs renewables and reducing overall consumption by 30% through efficiency by 2050 to help advance economic, environmental and health objectives. It also lays out specific targets for milestones in 2025 and 2025 to help translate the long-term goal into more concrete shorter term actions (PSD)
* [Progress for Vermont: Advancing our Economic Future in an Age of Climate Change](http://vtrural.org/sites/default/files/content/ClimateEconomy/ProgressForVermont.pdf) (2016): This report outlines how addressing the challenge of climate change presents an unprecedented economic opportunity for Vermont, with concrete recommendations. (VCRD)
* [Clean Energy Industry Report](http://publicservice.vermont.gov/sites/dps/files/documents/Renewable_Energy/CEDF/Reports/VCEI%20Report%202017.pdf) (2017) providing core data on the powerful jobs growth engine provided by the clean energy industry in Vermont (over 12,000 jobs and 29% growth since 2013) (CEDF)
* [Tracking Statutory Energy Progress](http://eanvt.org/wp-content/uploads/2013/02/statutory-targets-2016.pdf) (2016) This is a one-page summary of key statutory targets across all energy sectors: electricity, heat and transportation, as well as GHGs. Using official state annual reporting, it tracks progress each year (EAN).
* [Pathways to 90% by 2050](http://eanvt.org/wp-content/uploads/2013/02/90-by-2050-Milestones-2017.pdf) (2016) This one-page summary analysis takes CEP targets and provides a calculation of what it would look like across all three energy sectors to reach 90 by 2050, with decade milestones from 2010. It also provides actual data on where we were in 2016. It is not intended to be a roadmap, but rather a means to identify known technology pathways, key policy drivers and orders of magnitude for policymakers to consider. There is a summary graphic representation [here.](http://eanvt.org/wp-content/uploads/2013/02/Pathways-to-90-by-2050-2016.pdf) (EAN)
* [VT Community Energy Dashboard](http://www.vtenergydashboard.org/) (2017) This website provides a powerful suite of tools (data, maps, resources, all officially-sourced), to understand current energy use for each of Vermont’s 251 towns across all energy sectors – electricity, heat and transportation – as well as tools to help plan and track progress for each town to reach 90% by 2050. (EAN)
* [Mapping Total Energy Burden in Vermont](https://www.efficiencyvermont.com/Media/Default/docs/white-papers/efficiency-vermont-mapping-energy-burden-vermont-white-paper.pdf) (2016) This report addresses the affordability challenge, and maps the burden across the state. Total energy costs (transportation, heat, electricity) present a sizeable financial burden to households in Vermont. (VEIC)
* [Solar Pathways Project](https://www.veic.org/vermont-solar-pathways) (2016) This report details what it would take to meet 20% of our electricity needs with solar by 2025 (or 5x 2016 installed solar), addressing land use, current technology options, grid, and other related challenges. It also provides some of the best analysis of what “Business as Usual” would look like, using the Long-range Energy Planning LEAP model for its projections, one of the most sophisticated energy modeling tools used by over 190 countries (VEIC)
* [Total Energy Study](http://publicservice.vermont.gov/publications-resources/publications/total_energy_study) (2014): This study (required by Act 170 of 2012) identifies the most promising policy and technology pathways to employ in order to reach Vermont’s energy and greenhouse gas goals. Although the report was presented in 2014, many of the [featured policies](http://publicservice.vermont.gov/sites/dps/files/documents/Pubs_Plans_Reports/TES/A.%20RAP_Policy%20Options%20for%20Achieving%20Vermont%20Renewable%20Energy%20and%20Carbon%20Targets.pdf) are still relevant.
* [VT Transportation Energy Profile (2015](http://vtrans.vermont.gov/sites/aot/files/planning/documents/planning/Vermont%20Transportation%20Energy%20Profile%202015.pdf)): This summarizes current transportation energy use and outlines 12 core objectives in transportation.
* [EIA State Energy Profile](https://www.eia.gov/state/print.php?sid=VT): The narrative at the end is particularly useful.
* [Leveraging Energy Equity Programs to Support Lower Income Vermonters](http://www.middlebury.edu/system/files/media/LIPSreport_final.pdf): (2016) case studies of energy equity programs in Vermont and other states (Middlebury college and EAN)

**National Reports/Articles**

**Climate Change and Energy**

* **EPA Report on Climate Science (Aug 2017):** Draft report by scientists from 13 federal agencies outlining the effects of climate change
  + [Final-Draft-of-the-Climate-Science-Special-Report.pdf](https://assets.documentcloud.org/documents/3920195/Final-Draft-of-the-Climate-Science-Special-Report.pdf)
  + [Climate Change Indicators Report](https://www.epa.gov/climate-indicators/downloads-indicators-report)
* [**Drawdown – Paul Hawken**](http://www.drawdown.org/) **(2017**) The most comprehensive plan to reverse global warming. It maps, measures, models, ranks and describes the 100 most substantive solutions, describing history, carbon impact, relative cost and savings, path to adoption and how it works.
  + Based on vast sets of research across all sectors. All solutions modeled are already in place, well understood, and analyzed based on peer reviewed science, and are expanding around the world.
* [**DOE Climate Change**](https://energy.gov/science-innovation/climate-change) **Solutions**
  + [Clean Energy](https://energy.gov/science-innovation/clean-energy)

[Energy Efficiency](https://energy.gov/science-innovation/energy-efficiency)

* + [Vehicles](https://energy.gov/science-innovation/vehicles)
* **Rocky Mountain Institute:** 
  + **[Transportation Solutions](https://www.rmi.org/our-work/transportation/)**
  + [**Electricity Solutions**](https://www.rmi.org/our-work/electricity/)
  + **[Buildings Solutions](https://www.rmi.org/our-work/buildings/)**
* **Stanford Precourt Institute for Energy**
  + [**Energy Videos**](https://energy.stanford.edu/videos/video-playlists): Watch videos on key energy issues with experts from business, government, academia and media by topic
* **Union of Concerned Scientists:** [Global Warming Solutions: Reduce Emissions](http://www.ucsusa.org/our-work/global-warming/solutions/global-warming-solutions-reduce-emissions#.WZH0CXeGOis) (UCS)
* **Articles**:
  + Bloomberg: [New Energy Outlook](https://about.bnef.com/new-energy-outlook/) 2017
  + Economist (Aug 17, 2017), [The death of the internal combustion engine](https://www.economist.com/news/leaders/21726071-it-had-good-run-end-sight-machine-changed-world-death)
  + Boston Globe: [MA approves major new rules to cut carbon emissions](https://www.bostonglobe.com/metro/2017/08/10/state-approves-major-new-rules-cut-carbon-emissions/kE7wnIisqRlRUioviwjH4K/story.html)
  + New York Times: [nytimes.com/2017/08/07/epa climate change report](https://www.nytimes.com/2017/08/07/climate/climate-change-drastic-warming-trump.html?mwrsm=Email)
  + Boston Globe: [If the feds won’t face climate change, the region can](https://www.bostonglobe.com/metro/2017/08/10/state-approves-major-new-rules-cut-carbon-emissions/kE7wnIisqRlRUioviwjH4K/story.html) (regional transportation RGGI)
  + Bloomberg: [The Cheap Energy Revolution is Here and Coal Won’t Cut It](https://www.bloomberg.com/news/articles/2017-04-26/the-cheap-energy-revolution-is-here-and-coal-won-t-cut-it)
  + New York Times: [What You can Do About Climate Change](https://www.nytimes.com/2017/03/25/opinion/sunday/what-you-can-do-about-climate-change.html)
* **State Level Climate Action Plans**
  + [California](https://www.arb.ca.gov/cc/cleanenergy/clean_fs2.htm): Excellent 2-page Summary
    - [Making the Cleanest Cars Affordable](https://www.arb.ca.gov/newsrel/efmp_plus_up.pdf): CA EPA pilot program helping low income families save money with fuel efficient and EV cars
  + [Massachusetts](http://www.mass.gov/eea/docs/eea/energy/cecp-for-2020.pdf): Clean Energy and Climate Plan for 2020
    - [Climate Ready Boston](https://www.boston.gov/sites/default/files/02_20161206_executivesummary_digital.pdf) – Full study
    - [Climate Ready Boston](https://www.boston.gov/sites/default/files/document-file-12-2016/brag_report_summary.pdf) – Exec Summary
  + [New York](http://www.dec.ny.gov/docs/administration_pdf/irexecsumover.pdf): Executive Summary of NY Climate Actino Plan – Interim Report
  + [Colorado](http://cwcbweblink.state.co.us/WebLink/ElectronicFile.aspx?docid=196541&searchid=243b8969-739b-448c-bd2d-699af9b7aea0&&dbid=0): Climate Plan: State Level Policies & Strategies to Mitigate and Adapt