

SUPPLEMENTAL DATA SOURCES

WESTERN STATES SAMPLE ENERGY DATA SOURCES AND EEIS

Assessments and Short-Term Forecasts

Item	Description	Link	How is this data used?
State Profiles and Energy Estimates (EIA)	Energy use and infrastructures maps by state	eia.gov/state	Baseline state energy data for situational awareness supply chain, support program, and policy development.
Short Term Energy Outlook (EIA)	US Energy Supply and Demand Assessment	https://www.eia.gov/outlooks/steo/	State and regional trends are affected by the US outlook. This report may help identify factors that influence regional supply and demand.
State and Regional Risk Profiles (Temporarily unavailable) (DOE)	Energy Sector Risks by state and region	energy.gov/oe/mission/energy-infrastructure-modeling-analysis/state-and-regional-energy-risk-assessment-initiative	Quantifies energy sector risks at the state and regional level. Helps understand the nature of the threats that may require a response.
Energy Infrastructure with Real-Time Storm Information (EIA)	Maps of infrastructure and storms and warning	https://www.eia.gov/special/disruptions/	Shows areas affected by hurricanes and storms and the critical energy infrastructure in the impacted area.

Item	Description	Link	How is this data used?
Short and Medium Range Weather Forecasts (National Weather Service)	National Forecast Maps	https://www.weather.gov/forecastmaps	Provides for short- and ,medium-term forecast and assists in evaluating the impacts of weather-related events on heating and cooling energy demands.
Heating and Cooling Degree Days (National Weather Service)	Cumulative mean difference from the base temperature	https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/cdus/degree_day_s/	Allows a comparison to normal and recent history of the level of energy demand for heating and cooling.

Petroleum Data

Item	Description	Link	How is this data used?
Monthly State Petroleum Product Use (EIA)	Prime supplier sales volumes by state	eia.gov/dnav/pet/pet_cons_prim_dcunus_m.htm	A measure of petroleum product use. Shows the deliveries of refined petroleum produce by month for end use consumption by state.
State and regional level inventories (EIA)	Refinery, bulk terminal, stocks by state	https://www.eia.gov/petroleum/data.php#consumption	Shows monthly historical primary stocks by state and regions. Can be compared to weekly regional stock data from the EIA Weekly Petroleum Status Report.

Item	Description	Link	How is this data used?
Working and net available shell storage capacity (EIA)	Petroleum Administration for Defense Districts (PADD) level storage capacity	https://www.eia.gov/petroleum/storagecapacity/	Allows user to access stock data and determine at a PADD level how full or low stock levels may be relative to total storage capacity. Allows user to say how full the storage is in the region.
Retail prices gasoline and diesel fuel (AAA)	By state—current daily, historical	https://gasprices.aaa.com/todays-gas-prices	Has current gasoline prices date by states and major cities; spiking prices may be due to supply disruptions.
Gas Buddy	US gasoline price heat map	US and Local National Gas Station Price Heat Map - GasBuddy.com	Provides comparative gasoline prices analysis. Higher prices may indicate supply constraints.
Daily wholesale and retail petroleum product prices (EIA)	National and regional petroleum prices	eia.gov/todayinenergy/prices.cfm	Shows daily wholesale and retail prices for various energy products , including spot prices and select futures prices at national or regional levels.
Residential Heating Oil and Propane Prices (EIA)	Weekly by states during the heating season	Residential Propane Weekly Heating Oil and Propane Prices (October - March) (eia.gov)	Weekly residential prices by state (October through March). Price spikes are indicative of supply problems.
Capacity of Operable Petroleum Refineries by State (EIA)	Barrels per day	eia.gov/petroleum/refinerycapacity/table3.pdf	Operational refinery capacity is important. When one or more refineries shut down, this tool can estimate the total supply disruption and compare it to state demand.

Item	Description	Link	How is this data used?
Pipeline, Marine, and Rail Deliveries (EIA)	Pipeline, Tanker, Barge and Rail by PADD	eia.gov/dnav/pet/PET_MOVE_NETR_A_EPC0_VNR_MBBL_M.htm	Shows the volume of the flow for a full range of petroleum products between PADD, including net imports and exports.

Energy Supply State Report Examples

Report	Type	Organization	Link
Weekly Heating Fuels Report	Historic prices and inventories and analysis	NYSERDA	nyserderda.ny.gov/Cleantech-and-Innovation/EA-Reports-and-Studies/Weekly-Heating-Fuels-Report.aspx
Weekly Transportation Fuels Report	Historic prices and inventories and analysis	NYSERDA	nyserderda.ny.gov/Cleantech-and-Innovation/EA-Reports-and-Studies/Weekly-Transportation-Fuels-Report
Energy Prices and Weather Data	Historic prices and inventories and analysis	NYSERDA	nyserderda.ny.gov/Cleantech-and-Innovation/Energy-Prices
Petroleum Infrastructure Studies	Multiple Studies including terminal, gas stations, etc.	NYSERDA	nyserderda.ny.gov/About/Publications/EA-Reports-and-Studies/Petroleum-Infrastructure-Studies
Michigan Energy Appraisal (Spring and Fall)	Short-term projections for the state and region	Michigan Agency for Energy	Michigan Energy Assessment Winter 2019
California	Energy Maps of California	California Energy Commission	energy.ca.gov/maps

Report	Type	Organization	Link
Kentucky Situational Awareness Report	Consolidated dashboard of relevant EIA information	Kentucky Office of Energy Policy	energy-situation-report-kygis.hub.arcgis.com

SITUATIONAL AWARENESS AND REAL-TIME ASSESSMENT RESOURCES

Emergency Situation Reports (SitReps) and Infrastructure Mapping

Resource	Site Provider	Link	Social Media	Description
EIA Storm Threat Mapping Tool	DOE	https://www.eia.gov/special/disruptions/	Twitter: @EIAgov Facebook: EIA.gov	EIA tracks and reports on selected significant storms that impact or could potentially impact energy infrastructure.
Petroleum Energy Infrastructure and Resources	DOE	eia.gov/app/e1c92d7601b9490697d22dfe2da1b4ac		
Energy Disruptions Maps (Hurricanes, Typhoons, Flooding, Cyclones, Wildfires)	DOE	atlas.eia.gov/pages/energy-disruptions		

Resource	Site Provider	Link	Social Media	Description
Public Emergency Energy Situation Reports	DOE	Emergency Response Hub Department of Energy		Highlights energy emergencies; summarizes DOE actions, energy infrastructure operation status, etc.
State-Specific Emergency Alerts and Situational Awareness Statements	State Emergency Management Agencies			

Weather

Resource	Site Provider	Link	Social Media	Description
National Hurricane Center	National Oceanic and Atmospheric Administration (NOAA)	https://www.nhc.noaa.gov/	Twitter: @NHC_Atlantic Facebook: NWSNHC	Provides hurricane and marine forecasts.
Active Weather Alerts by Hazard	NOAA	weather.gov/alerts		
Snow and Ice Accumulation	NOAA	weather.gov/box/winter		
National Forecast Maps	NOAA	weather.gov/forecastmaps		

Resource	Site Provider	Link	Social Media	Description
Heating Degree Days	NOAA	https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/cdus/degree_days/		Weekly and monthly statistics by state.
Cooling Degree Days	NOAA	https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/cdus/degree_days/		
Climate Outlooks	NOAA	https://www.cpc.ncep.noaa.gov/products/forecasts/		Watches/Warnings; Hazards; Weather Outlooks for three to seven and eight to ten days; monthly; seasonal.

Pipeline Bulletin Boards

Resource	Site Provider	Link	Social Media	Description

Marine Traffic

Resource	Site Provider	Link	Social Media	Description
Tanker Traffic		marinetraffic.com https://www.vesselfinder.com/		Displays near real-time positions of ships worldwide. Can zoom in on ports.

Port Conditions

Resource	Site Provider	Link	Social Media	Description
Seattle				
Portland				
Los Angeles				
Others				

Energy Emergency Assurance Coordinators

Resource	State Provider	Link	Social Media	Description
ISERnet	Log into the ISERnet for the current listing by state	ISERnet Login		

State Energy Offices

Resource	State Provider	Link	Social Media	Description
Alaska	Alaska Energy Authority	akenergyauthority.org		
Washington	Washington State Energy Office	https://www.commerce.wa.gov/growing-the-economy/energy/washington-state-energy-office/		
Oregon	Oregon Department of Energy	oregon.gov/energy		
California	California Energy Commission	energy.ca.gov		
Nevada	Nevada Governor's Office of Energy	energy.nv.gov		
Idaho	Idaho Governor's Office of Energy and Mineral Resources	https://oemr.idaho.gov/		
Montana	Montana Energy Office	deq.mt.gov		
Colorado	Colorado Energy Office	colorado.gov/energy		

Resource	State Provider	Link	Social Media	Description
Utah	Utah Office of Energy Development	energy.utah.gov		
Arizona	Arizona Department of Administration	doa.az.gov/divisions		

State Emergency Management Agencies

Resource	Site Provider	Link	Social Media	Description
Alaska				
Washington				
Oregon				
California				
Nevada				
Idaho				
Montana				
Colorado				
Utah				

Resource	Site Provider	Link	Social Media	Description
Arizona				

Trade Associations

Resource	Site Provider	Link	Social Media	Description
American Petroleum Institute		https://www.api.org/		
American Fuel and Petrochemical Manufactures		https://www.afpm.org/		
American Gas Association		aga.org		
National Propane Gas Association		https://www.npga.org/		
Western Petroleum Marketers Association		wpma.com		
Gasoline and Diesel Fuel Stations		Gas Station Convenience Store Associations (petromac.com)		

Quick Energy Analysis

Resource	Site Provider	Link	Social Media	Description
Oil Price Information Service (OPIS) Alerts	OPIS	OPIS Products Energy Pricing, News, Analytics & Software (opisnet.com)		Real time petroleum market information. Subscription fee.
Energy topics from Google	Google	support.google.com/alerts/answer/4815696?hl=en		By creating a Google Alert, you can get email notifications any time Google finds new results on a topic that interests you. Enter key words like energy emergency or liquified natural gas.
"Peak Oil Review" and Peak Oil News"	Association of the Study of Peak Oil-USA	https://energybulletin.org/		Subscribe to the weekly review of world oil market events and subscribe to daily articles.
"Today in Energy"	EIA	https://www.eia.gov/todayinenergy/		Covers key energy issues and topics in a short-article, one-page format. Functionalities include browse by tag, archive files, and searches.

Resource	Site Provider	Link	Social Media	Description
State Energy Risk Profiles Temporarily Unavailable	EIA	energy.gov/oe/mission/energy-infrastructure-modeling-analysis/state-and-regional-energy-risk-assessment-initiative#STATE		Examines the relative magnitude of risks at a regional and state level, highlighting energy infrastructure trends and impacts. The profiles present both natural and man-made hazards with the potential to cause disruption of the electric, petroleum, and natural gas infrastructures.
State Energy Profiles	EIA	https://www.eia.gov/state/		Key data on energy indicators; prices compared to US averages; energy production, supply, electric generation; distribution and marketing; fueling stations; energy consumption and expenditures and state rankings; emissions.

Petroleum Waivers

Resource	Site Provider	Link	Social Media	Description
Transportation Waivers and Emergencies	US Department of Transportation(DOT)	transportation.gov/emergency		DOT will post information related to transportation waivers and other actions.

Resource	Site Provider	Link	Social Media	Description
FMCSA Hours of Service Exemptions	National Propane Gas Association (NPGA)	npga.org		On homepage, under Hours of Service Exemptions.
Petroleum Shortage Response Planning	NASEO	https://naseo.org/petroleum-shortage-response-planning		
Emergency Declarations, Waivers, Exemptions and Permits	Federal Motor Carrier Safety Administration (FMCSA)	fmcsa.dot.gov/emergency-declarations		
Energy Waiver Library	DOE	Energy Waiver Library Department of Energy		