

State Heating Oil and Propane Program



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2014 SHOPP Workshop

October 8, 2014 | Washington, DC

Key Topics

- Expansion of propane data collection
- EIA resources available to States
- Improvements to SHOPP

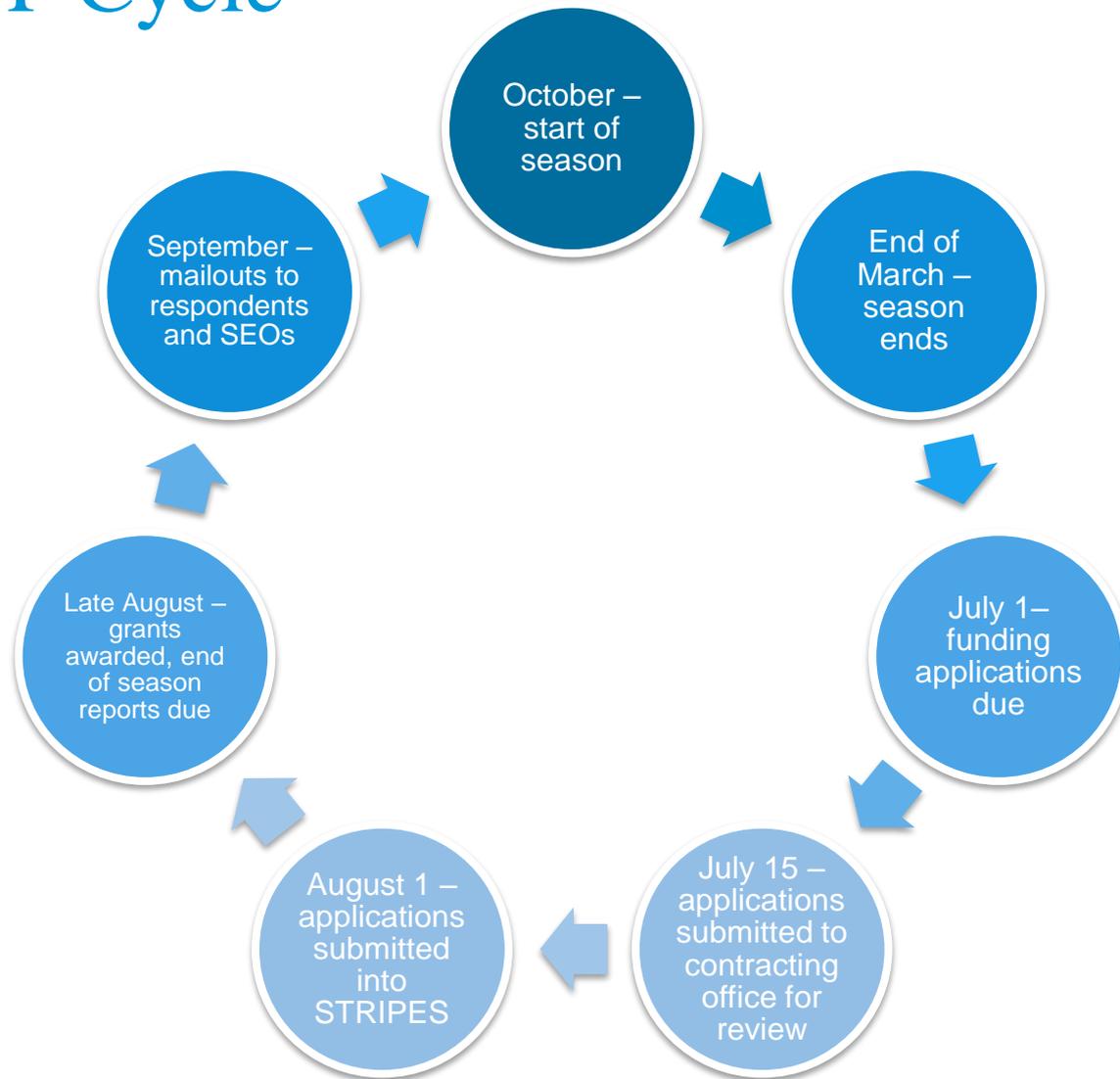
What is SHOPP?

- State Heating Oil and Propane Program (SHOPP)
 - cooperative data collection effort between EIA and State Energy Offices (SEOs)
 - data used by policymakers, industry analysts, and consumers
 - collects weekly residential heating oil and propane prices at a State level from October through March
- Data collection
 - EIA-877 Survey Form and Instructions, Winter Heating Fuels Telephone Survey, <http://www.eia.gov/survey/#eia-877>
- Funding
 - 50/50 cost sharing program
 - 5-year cooperative agreement

SHOPP benefits

- Cost-sharing
 - EIA provides 50% of the total state cost of participation
 - Average state cost for propane collection is \$6,000, ranging from \$2,000 to \$11,000, some of this includes voluntary travel
- Timely information on market conditions in your state
 - LIHEAP, fuel transportation waivers, Jones Act, etc.
 - Helps states respond to consumer and legislative inquiries about heating oil and propane prices (EIA receives calls from propane consumers from states that do not participate and are looking for price information)
- Information sharing
 - Weekly status reports during the heating season
 - Direct retailer contact **by states** often provides early insight into market issues
 - SHOPP Conference and annual Winter Heating Fuels Conference

SHOPP Cycle



Expansion of Propane Data Collection

Major Events in History of SHOPP

1978-79
Beginning of
State
Heating Oil
Program
(SHOP)

1990-1991
State Heating
Oil and
Propane
Program
(SHOPP)
mandated by
Congress

2000
Northeast
Heating Oil
Reserve
established

2014
Propane
price data
collection
expands
from 24
States to
38 States

1985
SHOP data
collection
expands in
response to
rise in
heating oil
prices during
1984

1999-2000
SHOPP data
are collected
on a weekly
basis

2013-14
Propane
shortage in
Midwest
caused
sharp price
increases

Residential Propane States

Petroleum Administration for Defense Districts
 Winter Heating Fuels Survey - PADD 1 and 2 represented States



Propane

East Coast (PADD 1)

New England (PADD 1A)

- Connecticut
- Maine
- Massachusetts
- New Hampshire
- Rhode Island
- Vermont

Central Atlantic (PADD 1B)

- Delaware
- Maryland
- New Jersey
- New York
- Pennsylvania

Lower Atlantic (PADD 1C)

- North Carolina
- Virginia

Midwest (PADD 2)

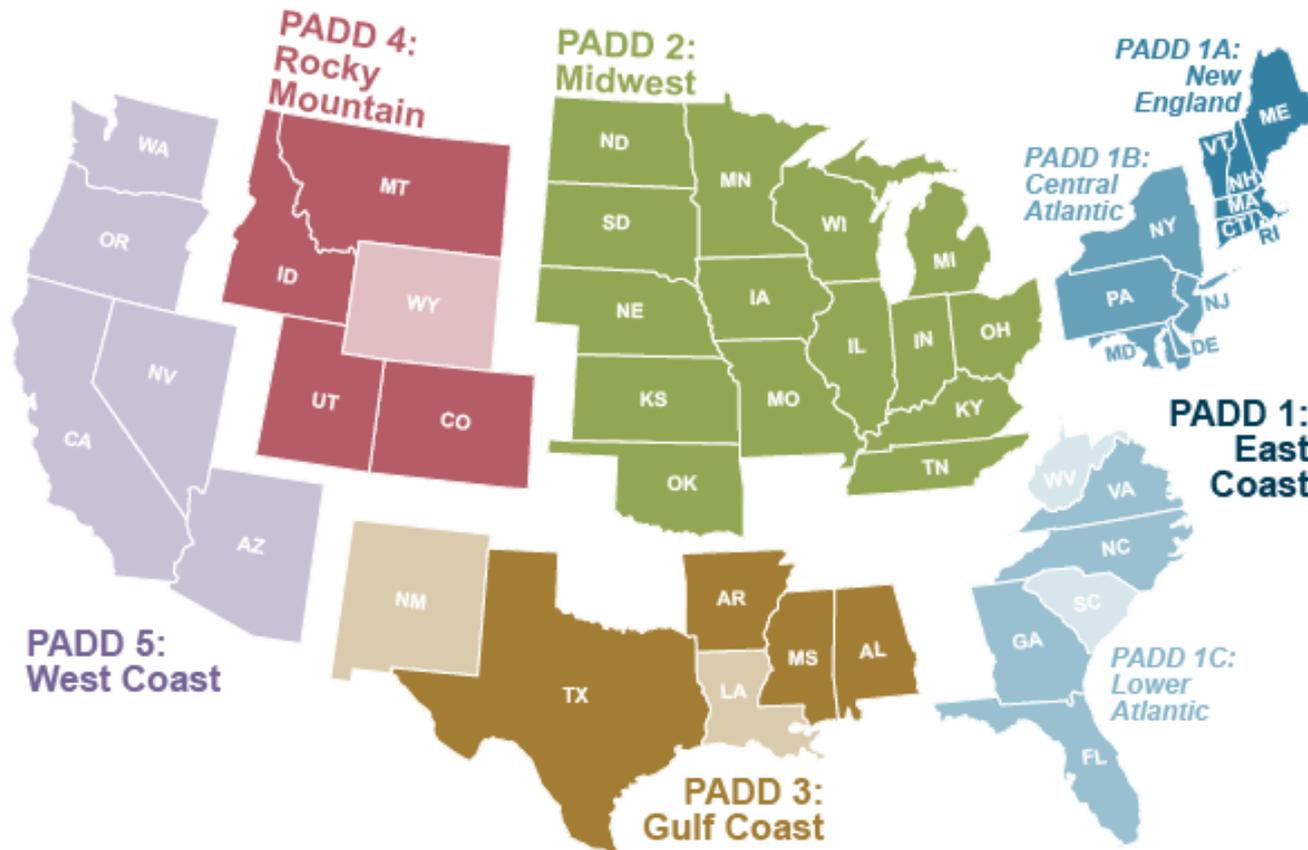
- Indiana
- Iowa
- Kentucky
- Michigan
- Minnesota
- Missouri
- Nebraska
- North Dakota
- Ohio
- South Dakota
- Wisconsin

Source: EIA, Heating Oil and Propane Update

Residential propane states 2014-2015 Season

Petroleum Administration for Defense Districts

Winter Heating Fuels Survey — PADD 1, 2, 3, and 4 represented States



New States, 2014

- Alabama
- Arkansas
- Colorado
- Florida
- Georgia
- Illinois
- Idaho
- Kansas
- Mississippi
- Montana
- Oklahoma
- Tennessee
- Texas
- Utah

EIA Resources Available to States

EIA Providing More Heating Fuel Data

- More Detailed Weekly Propane Stock Data – In addition to weekly PADD-level propane stocks, EIA will publish figures for Kansas (Conway hub), Michigan, Ohio, and a 4-state total for MN, WI, IA, and IL.
- Notification to Governors of Low Stock Levels – Pursuant to the Reliable Home Heating Act, EIA will notify state Governors when stocks of heating oil, natural gas, or propane in their PADD fall below the 5-year average for more than 3 weeks.
- Increased Visibility on EIA Website and Targeted Communication with State Officials
- EIA is creating a winter fuels webpage showcasing stock and price data.

State Energy Portal

U.S. STATES

MICHIGAN

State Profile and Energy Estimates

CHANGE STATE/TERRITORY ▾

OVERVIEW DATA ANALYSIS RANKINGS COMPARE FIND ? HELP

Profile Overview

Layers/Legend Base Maps

Map details and data

Send map questions, comments and suggestions to: mapping@eia.gov

QUICK FACTS

- In 2010, Michigan had more underground natural gas storage capacity – 1.1 trillion cubic feet – than any other State in the Nation.
- The Antrim Gas Field, located in Michigan's Lower Peninsula, was ranked 15th in the Nation in estimated proved wet natural gas reserves as of 2009 and produced an estimated 126 billion cubic feet of gas that year.
- In 2011, Michigan's three nuclear power plants, with four reactor units, provided 30 percent of the State's net electricity generation.
- Michigan used coal for 54 percent of its net electricity generation in 2011; much of its coal is

Print State Energy Profile
(overview, data, & analysis)

Michigan, U.S. Rankings

Consumption	
Total Energy per Capita	35
Expenditures	
Total Energy per Capita	37
Production	
Total Energy	25
Crude Oil	16
Natural Gas	17
Coal	--
Electricity	12
Prices	
Natural Gas	42
Electricity	11
Environment	
Carbon Dioxide Emissions	11
See more rankings >	

Today In Energy

[See all state articles >](#)

Household Energy Use



EIA's State Energy Portal gives users detailed portraits of energy production, consumption, and energy prices at the state level

The State Energy Portal features almost 90 key data series, state Quick Facts, and charts for each state

State Energy Portal
www.eia.gov/state

Expanding state-based posts on social media

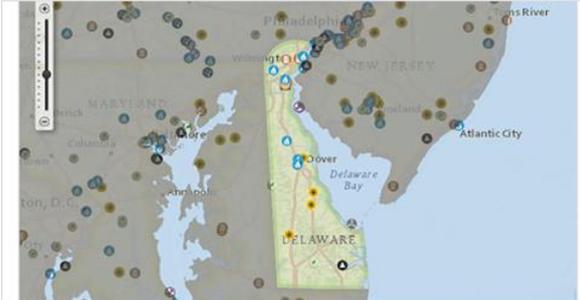
As part of this campaign, EIA will make state-related data more accessible via social media. Many state organizations and agencies use social media as a primary means of communication.

EIA's Office of Communications is currently highlighting an energy fact for each state every week on our Facebook page (examples below). They will also be creating a central repository where states can go to access any charts, graphs, or images that help tell their state's energy story.

 U.S. Energy Information Administration shared a link.
Posted by Dale Sweetnam [?] · May 3

#DidYouKnow?

In 2013, #Delaware generated 75% of its #electricity from natural gas and 21% from #coal. <http://go.usa.gov/kdNG>



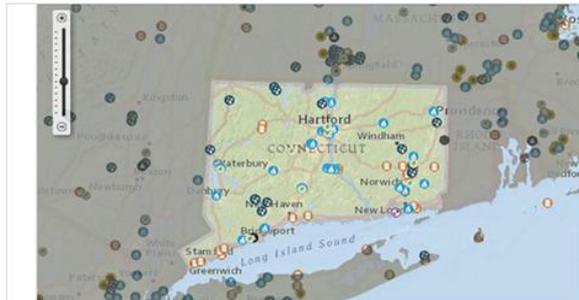
Delaware State Energy Profile
www.eia.gov

U.S. Energy Information Administration - EIA - Official Energy Statistics from the U.S. Government

 U.S. Energy Information Administration shared a link.
Posted by Dale Sweetnam [?] · April 26

#DidYouKnow?

#Connecticut is one of the lowest energy-consuming states on a per capita basis and had the nation's lowest #energy intensity in 2010. <http://go.usa.gov/knFG>



Connecticut State Energy Profile
www.eia.gov

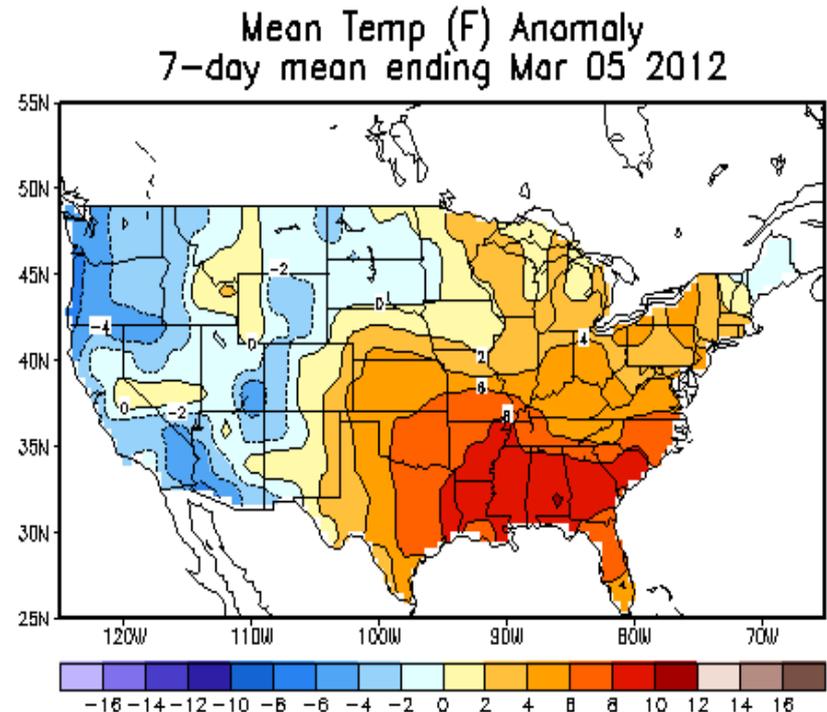
U.S. Energy Information Administration - EIA - Official Energy Statistics from the U.S. Government

Information Sharing: Weekly Email Status Reports to SEOs

Promotes communication and information sharing between EIA and State Energy Offices

Examples of topics covered in Weekly Email Status Reports to SEOs:

- Summarize weekly heating fuel activity
- Expectations based on trends
- Data collection techniques
- Alternate reporting schedules due to weather or holidays
- Latest news on industry related events
- NOAA Weather Reports



Chance to share information with other State Energy Offices and EIA

SHOPP Improvements

- Office of Communications will be sending SHOPP participants emails that highlight reports or analysis that may be of interest
- Proposal to SHOPP Group: Monthly SHOPP Conference Call during SHOPP Season starting November 13, 2014
 - December 11, January 15, February 12, March 12
- Updated FAQ's for data users, SEO's and respondents

SHOPP Improvements

- Prices reported by large propane retailers
 - most large propane retailers report pricing data directly to EIA from a single source
 - EIA staff are working to determine which prices are most reflective of the non-discounted price paid by the typical consumer
 - working to improve consistency of prices reported among companies
- Creation of new propane sample frame for expansion yielded more up-to-date information on retailers for all states
- Annual analysis of weights used to compute regional and national averages

SHOPP Improvements

- Data collection training recording to be posted on the Heating Oil and Propane Update page
- SEO work on data quality goes a long way toward improving the integrity of our data
- EIA encourages your feedback on ways SHOPP can be improved

For More Information: Data Publications

U.S. Energy Information Administration home page www.eia.gov

This Week in Petroleum (TWIP) <http://www.eia.gov/oog/info/twip/twip.asp>

Heating Oil and Propane Update (HOPU)

<http://www.eia.gov/petroleum/heatingoilpropane/>

FAQs for SEOs:

http://www.eia.gov/petroleum/heatingoilpropane/faq_stateofficials.cfm

Weekly Petroleum Status Report (WPSR)

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Short-Term Energy Outlook (STEO) <http://www.eia.gov/forecasts/steo/>

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