Fuel Oil Charts

Most Recent Data

Most Recent Data vs. Historical Trends

Historical Archives
INVENTORY CHARTS

Shows the volume of usable fuel oil stored at New England’s generating stations which use oil as their primary or secondary fuel. Also shows the maximum capacity, indicating the on-site storage capacity of usable fuel. These values reflect inventory and capacity as reported on generator surveys and do not account for generator outages or reductions, including emissions limitations.

Fuel oil is categorized in these charts as either Residual Fuel Oil (RFO) or Distillate Fuel Oil (DFO). The RFO category includes #6 Fuel Oil and the DFO category includes #2 Fuel Oil, Ultra Low Sulfur Diesel (ULSD), Kerosene, and Jet Fuel.

DEPLETION CHARTS

Shows the electricity output capability remaining from New England’s oil-fired generating stations, as a function of days of continuous operation at their Seasonal Claimed Capability (SCC). As stations run out of stored oil, their SCC is removed from the remaining output capability. This does not represent a forecast and does not account for replenishment; instead, the area under the curve represents the maximum energy available from oil-fired generators within a given number of days, given current oil levels.

BURN AND REFILL CHARTS

Shows the surveyed consumption and refill of fuel oil at New England’s oil-fired generating stations, as a weekly average across all weeks addressed by a given generator survey. The refill is calculated based on surveyed inventories and consumption. When available, burn and refill are categorized as DFO or RFO.
MOST RECENT DATA
Oil Inventory: Last 12 Months

Fuel Oil Usable Inventory: Last 12 Months
Based on OP-21 generator surveys received from market participants

Percentages indicate inventory as % of maximum

- RFO + DFO max. capacity
- Residual (RFO) max. capacity
- Distillate (DFO) max. capacity
- RFO + DFO inventory
- Residual (RFO) inventory
- Distillate (DFO) inventory

Survey Date

Source: ISO New England
Oil Depletion: Most Recent Surveys

Oil and Electricity Depletion: 5 Most Recent Surveys
Based on OP-21 generator surveys received from market participants

After 3 days of all oil units continuously operating at their seasonal claimed capability (SCC), 8,000 MW would remain available (63% of original 12,800 MW)

MW Available on Oil (at SCC)

Days of Continuous Operation at SCC
(Assuming No Replenishment)

Source: ISO New England
Oil Burn and Refill: Last 12 Months

Fuel Oil Burned and Refilled Per Week: Last 12 Months
Based on OP-21 generator surveys received from market participants

Survey Date
- Feb 1, 2023
- Mar 1, 2023
- Apr 1, 2023
- May 1, 2023
- Jun 1, 2023
- Jul 1, 2023
- Aug 1, 2023
- Sep 1, 2023
- Oct 1, 2023
- Nov 1, 2023
- Dec 1, 2023
- Jan 1, 2024
- Feb 1, 2024

Million Gallons of Oil, Per Week
- -50
- -40
- -30
- -20
- -10
- 0
- 10
- 20
- 30
- 40
- 50

Residual (RFO)
Distillate (DFO)
RFO+DFO burn
RFO+DFO refill

Source: ISO New England
Oil Depletion: Most Recent Winter

Oil and Electricity Depletion: Winter 2022/2023
Based on OP-21 generator surveys received from market participants

Days of Continuous Operation at SCC (Assuming No Replenishment)

MW Available on Oil (at SCC)

Weekly surveys
Winter start
Winter end
Winter average
Full-tank average

Source: ISO New England
MOST RECENT DATA VS. HISTORICAL TRENDS
Oil Inventory: History Since 2014

Fuel Oil Usable Inventory: June 2014 - June 2024
Based on OP-21 generator surveys received from market participants

Percentages indicate inventory as % of maximum

Source: ISO New England
Oil Depletion: Winter Start History

Oil and Electricity Depletion: Winter Start
Based on OP-21 generator surveys received from market participants

Source: ISO New England
Oil Depletion: Winter End History

Oil and Electricity Depletion: Winter End
Based on OP-21 generator surveys received from market participants

Source: ISO New England
HISTORICAL ARCHIVE: OIL DEPLETION

Slides ordered by reverse chronological

Data limited before winter 2018/2019
Oil Depletion: Winter 2021/2022

Oil and Electricity Depletion: Winter 2021/2022
Based on OP-21 generator surveys received from market participants

Days of Continuous Operation at SCC
(Assuming No Replenishment)

Source: ISO New England
Oil Depletion: Winter 2020/2021

Oil and Electricity Depletion: Winter 2020/2021
Based on OP-21 generator surveys received from market participants

Days of Continuous Operation at SCC
(Assuming No Replenishment)

MW Available on Oil (at SCC)

- Weekly surveys
- Winter start
- Winter end
- Winter average
- Full-tank average

Source: ISO New England
Oil Depletion: Winter 2019/2020

Oil and Electricity Depletion: Winter 2019/2020
Based on OP-21 generator surveys received from market participants

Source: ISO New England
Oil Depletion: Winter 2018/2019

Oil and Electricity Depletion: Winter 2018/2019
Based on OP-21 generator surveys received from market participants

Source: ISO New England
Oil Depletion: Winter 2017/2018

Based on OP-21 generator surveys received from market participants

Source: ISO New England
Oil Depletion: Winter 2016/2017

Oil and Electricity Depletion: Winter 2016/2017
Based on OP-21 generator surveys received from market participants

Days of Continuous Operation at SCC
(Assuming No Replenishment)

MW Available on Oil (at SCC)

Source: ISO New England
Oil Depletion: Winter 2015/2016

Oil and Electricity Depletion: Winter 2015/2016
Based on OP-21 generator surveys received from market participants

Days of Continuous Operation at SCC (Assuming No Replenishment)

Source: ISO New England
Oil Depletion: Winter 2014/2015

Oil and Electricity Depletion: Winter 2014/2015
Based on OP-21 generator surveys received from market participants

Source: ISO New England
HISTORICAL ARCHIVE: OIL INVENTORY

Slides ordered by reverse chronological

RFO/DFO breakdown not recorded before Sep. 2021

Data collected monthly before winter 2018/2019
Oil Inventory: 2022-2023

Fuel Oil Usable Inventory: June 2022 - June 2023
Based on OP-21 generator surveys received from market participants

Percentages indicate inventory as % of maximum

- DFO max. capacity
- Residual (RFO) max. capacity
- Distillate (DFO) max. capacity

- RFO + DFO inventory
- Residual (RFO) inventory
- Distillate (DFO) inventory

Source: ISO New England
Oil Inventory: 2021-2022

Fuel Oil Usable Inventory: June 2021 - June 2022
Based on OP-21 generator surveys received from market participants

Percentages indicate inventory as % of maximum

- RFO + DFO max. capacity
- Residual (RFO) max. capacity
- Distillate (DFO) max. capacity
- RFO + DFO inventory
- Residual (RFO) inventory
- Distillate (DFO) inventory

Source: ISO New England
Oil Inventory: 2020-2021

Fuel Oil Usable Inventory: June 2020 - June 2021
Based on OP-21 generator surveys received from market participants

Percentages indicate inventory as % of maximum

- RFO + DFO max. capacity
- Residual (RFO) max. capacity
- Distillate (DFO) max. capacity
- RFO + DFO inventory
- Residual (RFO) inventory
- Distillate (DFO) inventory

Survey Date

Source: ISO New England
Oil Inventory: 2019-2020

Fuel Oil Usable Inventory: June 2019 - June 2020
Based on OP-21 generator surveys received from market participants

Percentages indicate inventory as % of maximum

- RFO + DFO max. capacity
- Residual (RFO) max. capacity
- Distillate (DFO) max. capacity
- RFO + DFO inventory
- Residual (RFO) inventory
- Distillate (DFO) inventory

Source: ISO New England
Oil Inventory: 2018-2019

Fuel Oil Usable Inventory: June 2018 - June 2019
Based on OP-21 generator surveys received from market participants

Percentages indicate inventory as % of maximum

<table>
<thead>
<tr>
<th>Survey Date</th>
<th>RFO + DFO max. capacity</th>
<th>Residual (RFO) max. capacity</th>
<th>Distillate (DFO) max. capacity</th>
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Source: ISO New England
Oil Inventory: 2017-2018

Fuel Oil Usable Inventory: June 2017 - June 2018
Based on OP-21 generator surveys received from market participants

Percentages indicate inventory as % of maximum

- RFO + DFO max. capacity
- Residual (RFO) max. capacity
- Distillate (DFO) max. capacity
- RFO + DFO inventory
- Residual (RFO) inventory
- Distillate (DFO) inventory

Million Gallons of Oil

Survey Date

Source: ISO New England
Oil Inventory: 2016-2017

Fuel Oil Usable Inventory: June 2016 - June 2017
Based on OP-21 generator surveys received from market participants

Percentages indicate inventory as % of maximum

- --- RFO + DFO max. capacity
- --- Residual (RFO) max. capacity
- --- Distillate (DFO) max. capacity
- --- RFO + DFO inventory
- --- Residual (RFO) inventory
- --- Distillate (DFO) inventory

Survey Date

Source: ISO New England
Oil Inventory: 2015-2016

Fuel Oil Usable Inventory: June 2015 - June 2016
Based on OP-21 generator surveys received from market participants

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- Residual (RFO) inventory
- Distillate (DFO) inventory

Survey Date

Source: ISO New England
Oil Inventory: 2014-2015

Fuel Oil Usable Inventory: June 2014 - June 2015
Based on OP-21 generator surveys received from market participants

Percentages indicate inventory as % of maximum

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- RFO + DFO inventory
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Survey Date

Source: ISO New England
HISTORICAL ARCHIVE: OIL BURN AND REFILL

Slides ordered by reverse chronological

RFO/DFO breakdown not recorded before Dec. 2021

Data collected monthly before winter 2018/2019
Oil Burn and Refill: 2022-2023

Fuel Oil Burned and Refilled Per Week: June 2022 - June 2023
Based on OP-21 generator surveys received from market participants

Source: ISO New England
Fuel Oil Burned and Refilled Per Week: June 2021 - June 2022

Based on OP-21 generator surveys received from market participants

Source: ISO New England
Oil Burn and Refill: 2020-2021

Fuel Oil Burned and Refilled Per Week: June 2020 - June 2021
Based on OP-21 generator surveys received from market participants

Source: ISO New England
Oil Burn and Refill: 2019-2020

Fuel Oil Burned and Refilled Per Week: June 2019 - June 2020
Based on OP-21 generator surveys received from market participants

Source: ISO New England
Oil Burn and Refill: 2018-2019

Fuel Oil Burned and Refilled Per Week: June 2018 - June 2019

*Based on OP-21 generator surveys received from market participants*

Source: ISO New England
Oil Burn and Refill: 2017-2018

Fuel Oil Burned and Refilled Per Week: June 2017 - June 2018
Based on OP-21 generator surveys received from market participants

Source: ISO New England
Oil Burn and Refill: 2016-2017

Fuel Oil Burned and Refilled Per Week: June 2016 - June 2017
Based on OP-21 generator surveys received from market participants

ISO-NE PUBLIC

Survey Date

Source: ISO New England
Oil Burn and Refill: 2015-2016

Fuel Oil Burned and Refilled Per Week: June 2015 - June 2016

Based on OP-21 generator surveys received from market participants

Source: ISO New England