Biodiesel can help New York achieve its clean energy goals

Environmental Solutions

**B10**
10% biodiesel eliminates 100 million gallons of heating oil, the equivalent of planting 100,000 trees to remove carbon neutral.

**B20**
20% blend produces a 14.6% reduction in CO₂ emissions and better GHG performance than natural gas (NESCAUM).

**B50**
50% biodiesel use eliminates 500 million gallons of heating oil and 4.29 million metric tons of carbon.

**B100**
100% biodiesel use eliminates 1 billion gallons of heating oil and 8.59 million metric tons of carbon.

Emissions Improvements:
Biodiesel vs Low Sulfur (LS) and Ultra Low Sulfur (ULS) Heating Oil

<table>
<thead>
<tr>
<th>Emissions</th>
<th>PAH</th>
<th>PM</th>
<th>CO</th>
<th>NOₓ</th>
<th>SO₂</th>
<th>CO₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent</td>
<td>-90 to -95%</td>
<td>-86%</td>
<td>Similar to -15%</td>
<td>Similar to -25%</td>
<td>-98% (LS)</td>
<td>Similar (ULS)</td>
</tr>
</tbody>
</table>

Note: PAH = Polycyclic Aromatic Hydrocarbons; PM = Particulate Matter; CO = Carbon Monoxide; NOₓ = Nitrogen Oxides; SO₂ = Sulfur Dioxide; CO₂ = Carbon Dioxide

Current Laws

New York State law requires increasing biodiesel blends in home heating oil:
- 5% by July 1, 2022
- 10% by July 1, 2025
- 20% by July 1, 2030.

New York State offers a tax credit of $0.06–$0.20 per gallon for biodiesel blends between B6 and B20. The credit expires in 2023.

Economic Solutions

- **$4B** Home heating oil is a $4 billion industry
- **753** NYS home heating oil retail businesses
- **8,609** full time jobs
- **1.6M** NYS households and businesses rely on oil heat, using more than 1 billion gallons of heating oil annually