Attachment A: Newsletter posts

January 4th newsletter posts:

New Report Focuses on Non-Petroleum Fuel Options for Waste and Recycling Fleets

Energy Vision's new report *The Refuse Revolution* details alternative fuels and new vehicle technologies for waste and recycling collection truck fleets. The report assesses biodiesel and renewable diesel, fossil and renewable natural gas, hybrid technologies, battery electric vehicles (BEVs), DME, and hydrogen by cost, performance, and climate and health impacts.

What: All In: National Biodiesel Conference and Expo in Las Vegas, NV
When: January 17th-20th, 2022

The 2022 National Biodiesel Conference and Expo will take place in Las Vegas, Nevada, will be the 30th in the organization's history. The event will feature speakers and panels with leaders in the biodiesel industry. Learn more and register for the event **here**.

February 1st newsletter post:

Agriculture Secretary Vilsack: The Future is Bright for Biofuels

In a recent conversation with the House Agriculture Committee, Secretary of Agriculture Tom Vilsack reiterated his agency's support for biofuels and bio-based manufacturing in the United States. Vilsack lauded the potential for biofuels manufacturing to create a circular economy for feedstock producers as the Biden Administration pushes for the expansion of alternative fuels from coast to coast.

March 1st newsletter post:

EPA Commits to Expanding U.S. Biofuel Use

The U.S. Environmental Protection Agency is committed to increasing the use of biofuels, an agency official said on Tuesday, but the industry is still anxiously awaiting the Biden administration to finalize specific blending goals.

March 29th newsletter post:

U.S. EIA: Renewable Diesel Likely to Eclipse Supply of Biodiesel in the Near-term

The U.S. Energy Information Administration's Annual Energy Outlook 2022 projects that the American renewable diesel supply could soon exceed biodiesel supply. The EIA projects that renewable diesel supply will increase from 130,000 barrels per day in 2022 to 145,000 barrels per day in 2050, reflecting a significant increase in renewable diesel production capacity.

April 13th newsletter post:

Report: Biodiesel Market to Expand by 7% by 2031

A new analysis of the global renewable fuels market found that biodiesel's market is set to grow significantly over the next decade. The global biodiesel market is expected to reach more than $180 billion by the end of 2031.

April 27th newsletter posts:

U.S. EIA: Renewable Diesel Likely to Eclipse Supply of Biodiesel in the Near-term

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EPA Proposes Stricter Emissions Rules to Make Heavy-Duty Trucks Run Cleaner

Last week, the U.S. Environmental Protection Agency revealed a proposal to impose tighter emissions regulations for heavy-duty trucks, with the proposed rules taking effect in 2027. The plan aims to cut nitrogen oxide (NOx) emissions by up to 60% by 2045, as well as to increase the longevity of truck engines and their pollutant-scrubbing emissions systems.

May 10th newsletter post:

Biofuel Engine Technology Could Speed Heavy Truck Sustainability Transition

A new study by Gladstein, Neandross & Associates (GNA) analyzed the total cost of ownership (TCO) and expected emissions performance of truck tuner ClearFlame's engine modification system. The study estimated that the technology can cut the overall carbon emissions of the life of a truck by 42% compared with diesel, as well as lower greenhouse gas emissions by 22% compared to battery electric vehicles.

May 24th newsletter posts:

State of Sustainable Fleets 2022 Report

This annual report—which was launched at ACT Expo earlier this month—details the state of low- and zero-emissions fleets across the U.S. Read on to learn about major clean transportation trends and key takeaways of 2021, as well as how and why fleets are accelerating the transition to clean technologies.

Report: Biodiesel can help address health inequities in EJ communities

This study, focusing on 15 high-risk air quality communities coast-to-coast, reinforces the idea that switching to biodiesel results in substantial health benefits—including decreased cancer risk, fewer premature deaths, reduced asthma attacks and fewer lost workdays.

June 7th newsletter post:

Clean Fuels: Study demonstrates lower consumer costs at the pump

A new study from Clean Fuels Alliance America, "The Offsetting Impact of Expanded Biomass Based Diesel Production on Diesel Prices," shows that American production of renewable diesel and biodiesel consistently reduces distillate fuel prices by increasing the overall supply.

June 21st newsletter post:

DOE Announces $59 Million to Expand Biofuels Production and Decarbonize Transportation Sector

The U.S. Department of Energy (DOE) recently announced the commitment of $59 million to accelerate the production of biofuels and bioproducts to reduce emissions and create good-paying jobs in rural America. The DOE's approach is focused on applied research, development, and deployment to improve biofuel performance and scale-up production systems in partnership with industry.

July 5th newsletter post:

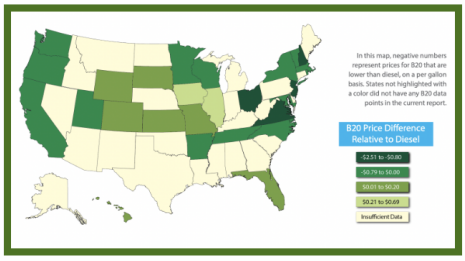
Home Heating Oil in Connecticut Will Now Be Blended With Biodiesel

Starting in July, a new Connecticut state law will require all home heating oil to be blended with biodiesel. The new blend will help reduce heating costs for Connecticut residents as the price of conventional heating oil continues to rise.

July 19th newsletter post:

April Alternative Fuel Price Report Now Available

The Alternative Fuels Data Center's (AFDC) April 2022 Clean Cities Alternative Fuel Price Report is now available. This spring saw the national average retail prices of all fuels increase, from $0.10/gallon for compressed natural gas to $1.44/gallon for diesel. National average prices for B20 biodiesel were lower than national average diesel prices by $0.44/gallon. Meanwhile, the average price for E85 was less than gasoline this quarter, by $0.59/gallon. Read the **full report here**.



Report: Biofuel, bioenergy employment increased in 2021

According to the DOE's 2022 Energy and Employment Report, bioenergy for power generation employed 12,388 workers in 2021, up 349 workers—or 2.9%—when compared to the 12,039 workers employed in 2020. The sector employed 13,178 workers in 2019.

August 2nd newsletter post:

Bipartisan Group of Senators Urges EPA to Increase Volumes of Biofuels in 2023-2024 Renewable Volume Obligations

Members of the Senate Agriculture Committee led 22 of their colleagues are urging the Environmental Protection Agency to support higher amounts of biomass-based biodiesel and other advanced biofuels in the upcoming 2023 and 2024 Renewable Volume Obligations (RVOs). In their letter to EPA Administrator Michael Regan, the senators note that production and use of advanced biofuels benefits America's rural economies and reduces pollution.

August 17th newsletter post:

2022 Inflation Reduction Act: Removing the Federal EV Tax Credit Limit for OEMs and Other Changes for Electric Vehicles

Yesterday, President Biden signed the 2022 Inflation Reduction Act (IRA) into law. The Act is delivering on a broad suite climate initiatives, including:

- *Renewing and expanding the federal EV tax credit,* including eliminating the 200,000 vehicle cap for vehicle manufacturers and the establishment of a $4,000 tax credit for pre-owned vehicles
- *Establishing a new commercial clean vehicle tax credit of up to $7,500 per vehicle,* expanding the affordability of clean fleet vehicles
- *Designating over $3 billion for Neighborhood Access and Equity Grants,* which will help mitigate the danger of overbuilt arterial roadways—especially in underserved areas
- *Extending the excise tax credits for alternative fuels,* including biodiesel and renewable diesel
- *Extending and restructuring the Alternative Fuel Vehicle Refueling Property Credit,* ensuring that CNG, LNG, electricity, and hydrogen stations are eligible through 2032
- *Providing $2 Billion for Low-Carbon Transportation Materials Grants,* which the FHWA may use to reimburse or provide incentives for low-carbon material research or planning

To learn more about what the Inflation Reduction Act will mean for electrified vehicle sales in the U.S., check out **this summary from Forbes**!

The Biofuels Industry Continues to Innovate as It Emerges from the Pandemic

As the biofuel industry recovers from the demand slump of the early COVID-19 pandemic, innovative new processes are helping the industry look to the future. One new biofuel manufacturing process adds bacteria into the fermentation process used during biofuel production—capturing carbon dioxide to limit the environmental impact of production and use that CO_2 to create higher yields.

August 30th

USDA Now Accepting Applications for Biofuel Infrastructure Grants

Last week, the U.S. Department of Agriculture (USDA) announced that the Department is accepting applications for $100 million in grants to increase the sale and use of biofuels derived from U.S. agricultural products. Made available through the Higher Blends Infrastructure Incentive Program (HBIIP), this funding will support a variety of fueling operations, including filling stations, convenience stores, and larger retail stores that also sell fuel. The funds will also support fleet facilities including rail and marine, and fuel distribution facilities, such as fuel terminal operations, midstream operations, distribution facilities as well as home heating oil distribution centers.

Grants will cover up to 50% of total eligible project costs up to $5 million to help owners of transportation fueling and fuel distribution facilities convert to higher blends of ethanol and biodiesel. Applications must be submitted by November 21st, 2022. To learn more, visit the **HBIIP webpage** to sign up for upcoming webinars and to submit your application.

EIA: Total U.S. Biofuel Production Capacity at 21 Billion Gallons Per Year

The Energy Information Administration (EIA) reports that the United States' annual biofuel production capacity has reached 21 billion gallons across the country's 275 facilities. More than 80% of total U.S. biofuel production capacity was for fuel ethanol over the past year.

September 13th newsletter post:

U.S. Expected to Announce 3 Years of Biofuel Blending Mandates

The Biden administration is expected to announce a rule this year that would detail annual biofuel blending mandates for the refining industry for a three-year period instead of just for one. The EPA has been ordered to propose a rulemaking for 2023 mandates by Nov. 16, according to a legal document in July.

USDA Higher Blends Infrastructure Incentive Program: Biofuel Infrastructure Grants

Grants will cover up to 50% of total eligible project costs up to $5 million to help owners of transportation fueling and fuel distribution facilities convert to higher blends of ethanol and biodiesel. Applications must be submitted by **November 21st, 2022**. To learn more, visit the **HBIIP webpage** to sign up for upcoming webinars and to submit your application.

September 27th newsletter posts:

EPA to Finalize Rule on Higher Blended Ethanol

Last week, EPA Administrator Michael Regan said the agency intends to finalize a rule before next summer to allow the year-round sale of gasoline blended with a higher level of ethanol in several states. The proposed rule would allow the sale of E15 all twelve months of the year in select states.

USDA Higher Blends Infrastructure Incentive Program: Biofuel Infrastructure Grants

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October 11th newsletter post:

EPA to Finalize Rule on Higher Blended Ethanol

Last week, EPA Administrator Michael Regan said the agency intends to finalize a rule before next summer to allow the year-round sale of gasoline blended with a higher level of ethanol in several states. The proposed rule would allow the sale of E15 all twelve months of the year in select states.

November 8th newsletter post:

Local Oil Delivery Company Says Biodiesel Blend Helps Keep Its Prices Lower

A Massachusetts-based oil delivery company says that using a biodiesel blend allows it to price its home heating oil at a lower price—a critical accomplishment for a region where a large number of homes depend on oil for home heating during the winter months.

November 22nd newsletter post:

National Laboratories Research Biofuel Solutions for Different Engine Types

The results of a new collaborative study penned by Argonne National Laboratory, National Renewable Energy Laboratory, Pacific Northwest National Laboratory, and Idaho National Laboratory suggest that that when combined with advanced engine design, biofuel can reduce greenhouse gas emissions by roughly 60% while improving fuel efficiency or reducing tailpipe emissions.

December 6th newsletter posts:

Join Us on December 15th for a Webinar on Reducing Your Fleet's Carbon Footprint!

Join Empire Clean Cities on **Monday, December 19th, at 2pm** for a webinar about the steps your fleet can take to reduce its carbon footprint!

From using drop-in alternative fuels to adopting electrified vehicles to integrating fuel-saving practices to your everyday fleet activities, there are plenty of steps you can take to reduce your fleet's carbon emissions and save money. This webinar will cover all of those actions and more, including:

- **Biodiesel:** Where to get it, how to use it, and how it's helped NYC avert thousands of tons of CO2 and pollutant emissions
- **EVs:** the model availability of electric vehicles from light-duty to class 8, and how to access funding to purchase or lease EVs for your fleet
- **Emissions-fighting best practices:** tools, resources, and best practices for maximizing your current fleet's fuel economy
- **And more!**

Please share with your network—and register for this **FREE** webinar at the link below!

Register here!

NYC DCAS Partners With American Lung Association on Biofuels Training

New York State and New York City continue to expand their adoption of biogenic fuels to reduce carbon dioxide and air pollutant emissions. To advance these goals, DCAS Fleet recently announced a partnership with the American Lung Association to provide NYC's mechanics, fleet staff, and operators with a free online certificate training program about the operation and benefits of biobased fleet products through Biobased Academy. The Biobased Certified Fleet Professional course, the first course offered under the program, launched in autumn 2022.

The training details the safe handling, environmental benefits, and different varieties of biobased solutions in a fleet-centered manner, building on a similar in-person program launched in 2013 for City mechanics by NYC and the National Biodiesel Board (now the Clean Fuels Alliance of America). **The training—which takes approximately five to six hours in total to complete—can be taken for free by City of New York employees using the code USB22.**

Canola Oil Approved as Feedstock for Renewable Diesel by EPA

The EPA has ruled that canola oil-derived renewable diesel now qualifies as advanced biofuels under the Renewable Fuel Standard (RFS) program—providing "more ways to reduce greenhouse gas emissions [and] renewable fuel producers diversified feedstock options," according to USCA president Andrew Moore.

December 20th newsletter post:

Webinar Recording: "Reducing Your Fleet's Carbon Footprint"

Did you miss yesterday's webinar? We've got you covered! Watch the recording of Empire Clean Cities' "Reducing Your Fleet's Carbon Footprint" webinar and learn about all the actions your fleet can take to reduce fuel costs and emissions—including using drop-in fuels, accessing electric alternatives, and more.