-Building with Purpose: Ford Louisville Assembly Plant Earns EPA Pollution Prevention Award for Water Recycling Initiative

M2 PressWIRE

February 18, 2022 Friday

Length: 1092 words

Body

February 18, 2022

Release date- 17022022 - LOUISVILLE, Ky. - In a signal of Ford Motor Company's commitment to sustainability and environmental stewardship, Ford's Louisville Assembly Plant has been presented with a 2021 Pollution Prevention Award by the U.S. Environmental Protection Agency (EPA) Region 4.

* U.S. Environmental Protection Agency presents Ford Motor Company's Louisville Assembly Plant with 2021 Pollution Protection Award

* The Award recognizes Louisville Assembly Plant's significant achievements in water savings and recycling through newly implemented wastewater reuse initiative

* Ford has saved more than 12.5 billion gallons of water since 2000 through manufacturing conservation efforts with an aspiration to make zero water withdrawals for manufacturing processes, using freshwater only for human consumption

The award recognizes the Louisville Assembly Plant for its leadership and commitment to practices that reduce, eliminate or prevent pollution at its source, specifically for a new water recycling initiative developed by plant employees.

In 2020, the Louisville Assembly Plant began implementing a pollution prevention project to reuse treated wastewater in the paint pre-treatment process to reduce the volume of waste water sent from the plant to the Publicly Owned Treatment Works wastewater treatment facility.

During the first year of implementation, the Louisville Assembly Plant reduced more than 5 million gallons of city water use, which equates to over 22 gallons per vehicle and a cost savings of approximately $ 50,000. Reusing

wastewater also helps bring Ford closer to the company's aspiration to only use freshwater for human consumption, and builds on the more than 12.5 billion gallons of water saved to date through water conservation and recycling programs since 2000.

'Ford is proud to match our sustainability ambition with bold, transformative action that aims to help protect our communities as well as our planet,' said Bob Holycross, vice president, sustainability, environment and safety engineering. 'Our environmental stewardship begins long before our vehicles leave the assembly line, and the innovative work being done at Louisville Assembly Plant is a perfect example of how our employees are helping make our sustainability aspirations a reality.'

The EPA award builds on recent recognitions that Ford has earned for its climate and sustainability leadership, including a place on the CDP A-List for water security for the seventh straight year in a row. Ford was also recognized on CDP's A-List for climate change for the third year in a row, for the company's actions to cut emissions, mitigate climate risks and contribute to development of the low-carbon economy.

Building for the Future

Ford is continually looking for opportunities to reduce the effects of our operations and global supply chains, including committing to reach carbon neutrality no later than 2050 across our vehicles, facilities and supply chain.

'This award represents Ford's commitment to make a positive contribution to the environment wherever possible. It isn't just a win for the Louisville Assembly Plant, but also for our employees, UAW partners and the entire Louisville community,' said Lisa Drake, chief operating officer, Ford North America. 'Sustainable manufacturing is core to our current and future business strategy, allowing us to continue to create good jobs while minimizing impact to our planet.'

Ford became the first automaker to sign the Department of Energy's Better Climate Challenge aimed at reducing greenhouse gas emissions from our U.S. manufacturing facilities by 25%- 50% over 10 years, in line with its commitment to improve energy efficiency and power its facilities with 100 percent local, renewable energy by 2035. Additionally, by using renewable and recycled materials in vehicles, the company is reducing waste and using fewer natural resources. Sustainable manufacturing is a core part of the company's electrification plans, which include investing more than $ 30 billion in electric vehicles and batteries through 2025.

Sustainable Supply Chain

In addition to Ford's manufacturing facilities, the company's supply chain sustainability program, Partnership for A Cleaner Environment (PACE), is designed to reduce the overall environmental impact of Ford's key global supply chain partners. PACE programs enable Ford to share sustainability best practices with more than 50 strategic suppliers so that their benefits can be replicated around the world. In terms of water stewardship, PACE participants expect to save an estimated 182 million gallons of water in their global operations from 2020 to 2030.

In addition to the full PACE program, Ford launched a new streamlined version in 2019, FastPACE, to help reduce the overall environmental impact of the company's supply chain partners. With FastPACE, suppliers in China, India, Thailand and now South Africa are using a toolkit that includes hundreds of leading practices and actions on how to address air emissions, energy and water use. Suppliers used the program's reporting tool to enter baseline

environmental data, implement savings projects and report estimated reductions. Global FastPACE suppliers are on track to save an estimated 4,909 metric tons of CO2 and 24 million gallons of water over the next three years.

To learn more about Ford's sustainability performance, data and reporting, please visit sustainability.ford.com.

About Ford Motor Company

Ford Motor Company (NYSE: F) is a global company based in Dearborn, Michigan, that is committed to helping build a better world, where every person is free to move and pursue their dreams. The company's Ford+ plan for growth and value creation combines existing strengths, new capabilities and always-on relationships with customers to enrich experiences for and deepen the loyalty of those customers. Ford designs, manufactures, markets and services a full line of connected, increasingly electrified passenger and commercial vehicles: Ford trucks, utility vehicles, vans and cars, and Lincoln luxury vehicles. The company is pursuing leadership positions in electrification, connected vehicle services and mobility solutions, including self-driving technology, and provides financial services through Ford Motor Credit Company. Ford employs about 183,000 people worldwide. More information about the company, its products and Ford Motor Credit Company is available at corporate.ford.com.

[Editorial queries for this story should be sent to newswire@enpublishing.co.uk]

Load-Date: February 18, 2022

Ford Must Face Most Of NJ's Pollution Case During Cleanup

Law360 Legal News - Corporate

February 23, 2023 Thursday

Section: ENERGY, ENVIRONMENTAL, NATIVE AMERICAN, NEW JERSEY, REAL ESTATE AUTHORITY COMMERCIAL

Length: 627 words

Byline: Ryan Harroff

Highlight: Ford Motor Co. must face almost all the claims the New Jersey Department of Environmental Protection brought against it for allegedly polluting a Passaic County Superfund site with paint sludge and other "hazardous waste" in the 1960s and '70s, according to a Tuesday order from a Garden State court.

Body

Ford Motor Co. must face almost all the claims the New Jersey Department of Environmental Protection brought against it for allegedly polluting a Passaic County Superfund site with paint sludge and other "hazardous waste" in the 1960s and '70s, according to a Tuesday order from a Garden State court.

The New Jersey agency cannot seek public nuisance damages outside of making Ford clean up the site and pay for it, but other than that, the state court declined to toss any of the claims the automaker slammed in its September dismissal motion. Ford had argued that some of the claims against it were premature and others were barred by a previous consent decree, according to the decision, but the court was unconvinced.

For the prematurity issue, Ford based its argument on the idea that a state law on site pollution claims' statute of limitations is the only window where the government can pursue natural resource damages claims, the decision states. In reality, according to the court, there is nothing in the law precluding claims from being brought before that window.

"The focus is on expiration of the time to sue," Superior Court Judge Mary F. Thurber's decision states, adding, "It is true that these are nearly always simultaneous - the arising of the right to sue and the beginning of the statutory clock, but the court is not aware of authority that would prevent the legislature from providing otherwise."

The natural resource damage claims were also the only ones New Jersey was allowed to bring under a 2019 consent decree with the company, Ford had argued.

In that federal settlement, Ford and the borough of Ringwood - where the Superfund site sits - agreed to pay $21 million to remediate the pollution. The court ruled Tuesday that nothing in that settlement blocks New Jersey from bringing its other claims, including strict liability and negligence, adding that Ford seeks to read too far into the consent.

"The court will not read away the state's reservation of all claims not expressly waived," the decision states. "This disposes of defendant's assertions that certain causes of action and certain types of damages were waived. They were not."

But the New Jersey agency tried to go too far, the court said, when its June complaint sought to broaden its ability to get compensatory damages for the public nuisance caused by the pollution at the site outside what the statute allows.

According to the Tuesday decision, the agency's counsel agreed during oral arguments that the damages it sought under its proposed, expanded standard for compensatory damages could already be sought through other means. The court limited the agency's public nuisance damages to site cleanup and the associated costs.

Ford, which operated a car assembly plant in Mahwah, New Jersey, allegedly dumped paint sludge and other toxic substances in nearby Ringwood between 1967 and 1974. Many of the residents of the dumping area are members of the Ramapough Lenape Nation Turtle Clan, the agency's complaint said.

Ford and counsel for the New Jersey agency declined to comment. Representatives for the agency did not immediately reply to requests for comment.

The agency is represented by Thomas Lihan and Carley Doyle of the Office of New Jersey Attorney General Matthew J. Platkin, Alfred M. Anthony and Alexandra B. Knoth of Locks Law Firm LLC, Matthew D. Przywara of The Lanier Law Firm PC and Amanda Lee-Dasgupta and Yelena Dewald of Hausfeld LLP.

Ford is represented by Joseph F. Lagrotteria, Dorothy M. Laguzza and Adam G. Husik of K&L Gates LLP.

The case is New Jersey Department of Environmental Protection et al. v. Ford Motor Co., case number L-3268-22, in the Superior Court of New Jersey, County of Bergen.

--Editing by Linda Voorhis.

Link to PDF

Load-Date: March 5, 2023

BMW joins Ford in recycling marine waste to make vehicle parts

just-auto global news

September 13, 2022 Tuesday 2:18 PM GMT

Length: 586 words

Byline: Graeme Roberts

Body

BMW claims making trim parts for its upcoming Neue Klasse model (due out in 2025) from plastic raw material containing around 30% recycled fishing nets and ropes is a first for the automotive industry. However, Ford made a similar claim last December stating it was using “100% recycled ocean plastics” to make wiring harness clips for the new Bronco Sport.

A BMW spokesman told Just Auto: “The [announcement] is specifically referring to a first for the industry in using recycled fishing net materials in customer-facing/visible interior trim parts inside the vehicle.”

BMW said its “exclusive recycling process” uses maritime industry waste material to produce trim parts “suitable for the exterior and interior of future vehicles”. The resulting components have an approximately 25% lower carbon footprint than their counterparts made from conventionally manufactured plastics.

The group “is working with different approaches to use plastic waste from the maritime industry as a raw material for vehicle components in order to conserve valuable resources and reduce CO2 emissions. This form of recycling makes it possible to reduce the need for petroleum based primary plastics and at the same time counteract ocean pollution,” the Munich based automaker said.

BMW joins Ford in recycling marine waste to make vehicle parts

BMW uses recycled nylon waste as the basis for a synthetic yarn from which floor mats are currently made for the iX and X1 SUVs. The material, known as Econyl, is produced from discarded fishing nets well as worn floor coverings and residual waste from plastics production.

In a new initiative developed in cooperation with the Danish company Plastix, the group is taking the recycling of maritime plastic waste a step further. After separation, fishing nets and ropes undergo an innovative process that produces plastic granules. While recycled maritime plastic has so far only been used in the automotive industry in the form of fibres for new vehicle components, this recycled material is now also suitable for the injection moulding process for the first time. The raw material for the components manufactured in this way “can consist of around 30% maritime plastic waste”, the automaker said.

Ford’s plastic material for recycling is collected from the Indian Ocean and Arabian Sea by DSM Engineering Materials. Items produced using plastics collected from the oceans include a wide range of consumer goods but the rival automaker’s initiative added automotive parts to the list.

The process begins with DSM harvesting discarded nylon fishing nets. The plastic is washed of saltwater, dried, and extruded to form small pellets, which are then injection moulded by supplier HellermannTyton into the desired clip shape. Ford plans additional parts using recycled ocean plastics, including transmission brackets, wire shields and floor side rails all stationary parts with strength and durability demands that the material can meet or exceed. But, unlike BMW’s parts, not customer-facing.

Ford has used recycled plastics for 20 years though not until recently nateria collected from oceans. Most recently, the automaker used recycled water bottles to produce underbody shields for the 2020 Escape.

BMW said its new process creates additional application possibilities for recycled plastics. The group has set a target of increasing the proportion of secondary materials in the thermoplastics used in new vehicles from currently around 20% to an average of 40% by 2030.

Load-Date: October 13, 2022

Ford Accused Of Dumping Toxins, Hiding Scope Of Pollution

Law360 Legal News - Corporate

June 16, 2022 Thursday

Section: AUTOMOTIVE, ENERGY, ENVIRONMENTAL, NATIVE AMERICAN, NEW JERSEY

Length: 889 words

Byline: Bill Wichert

Highlight: Ford Motor Co. was slammed Thursday with a natural resource damages lawsuit from the New Jersey Department of Environmental Protection alleging that the automaker polluted an area that includes the homeland of a Native American tribe and later concealed the extent of the contamination from subsequent property owners and regulators.

Body

Ford Motor Co. was slammed Thursday with a natural resource damages lawsuit from the New Jersey Department of Environmental Protection alleging that the automaker polluted an area that includes the homeland of a Native American tribe and later concealed the extent of the contamination from subsequent property owners and regulators.

The DEP launched the action to secure compensation for the lost value of the natural resources contaminated by the hazardous material that Ford allegedly took from its nearby car assembly plant and dumped at a Superfund site known as Ringwood Mines in the borough of Ringwood.

Many of the roughly 200 residents within Ringwood Mines are members of the Ramapough Lenape Nation Turtle Clan, the agency's complaint said.

Acting New Jersey Attorney General Matthew J. Platkin said Thursday in a statement, "Today we hold Ford accountable for natural resource damages - for knowingly polluting some of the state's most precious environmental assets, then walking away without disclosing the toxic mess they had made or attempting to mitigate the harm."

"To other corporate polluters and anyone else so inclined, our message is simple: Treat New Jersey's air, land, and water like your own private dumping ground and we will not look the other way," Platkin said. "We will hold you responsible, and we will make you pay."

A Ford spokeswoman told Law360 on Thursday in a statement, "Ford takes its environmental responsibility seriously and has shown that through our actions to address issues in Upper Ringwood."

"We understand this has affected the community and have worked cooperatively with the Borough of Ringwood, the New Jersey Department of Environmental Protection and the U.S. Environmental Protection Agency while implementing the remediation plan stipulated by the EPA," she said. "We have only just received the NJDEP's claims [and] therefore we can't provide a further comment until we understand them better."

Ford bought Ringwood Mines in January 1965 to use it as a landfill for the waste generated by the assembly plant in Mahwah, New Jersey, according to the complaint. Between 1967 and 1974, Ford directed the disposal of paint sludge and other toxic substances at various locations throughout the 500-acre site, the complaint said.

Those materials include lead, arsenic, benzene and polychlorinated biphenyls, or PCBs, the complaint said.

Around 1970, the company began selling or donating parts of Ringwood Mines - including by giving portions to the DEP and Ringwood - "without fully disclosing the presence or extent of the contamination to the buyers or donees," the complaint said. By December 1973, the company no longer owned land at the site, according to the complaint.

The EPA placed Ringwood Mines on its Superfund program's National Priorities List, or NPL, in 1983, the complaint said. After Ford had conducted cleanup activities there, the agency in 1994 removed the site from the NPL, "believing that all paint sludge and drums of hazardous substances had been removed from the site," the complaint said.

After residents discovered additional deposits of paint sludge around the site, "Ringwood Mines became the first Superfund site to be restored to the NPL due to Ford's failure to disclose the full extent of the contamination at the site," the complaint said.

"Between December 2004 and May 2019, Ford removed an additional 53,528 tons of paint sludge, drum remnants and associated soil from Ringwood Mines," the complaint said. "Nonetheless, the natural resources of Ringwood Mines remain contaminated with hazardous substances due to Ford's dumping and discharging at the site."

Under a state and federal settlement in 2019, the automaker agreed to pay $2.1 million to the state for the DEP's previous expenses related to remediation at Ringwood Mines, state officials said. That agreement also called for Ford to conduct cleanup work in a section designated as operable unit 2, or OU2, officials said.

The following year, Ford, the DEP and related parties entered into a consent decree with respect to remedial action for OU2, according to the complaint. In the consent decree, the DEP agreed to not go after Ford to recoup site-related costs incurred before the effective date of the consent decree or future costs related to cleaning up OU2, the complaint said.

Under the consent decree, the DEP "explicitly reserved all rights against Ford with respect to natural resource damages," the complaint said.

"Plaintiffs do not seek the costs addressed by the 2020 consent decree, and nothing alleged in this complaint should be inferred to the contrary," the complaint said. "Plaintiffs plead and seek costs, direct or indirect, incurred after the effective date of the 2020 consent decree and unrelated to the remedies selected for OU2."

The DEP is represented by Aaron Kleinbaum, Thomas Lihan and Carley Doyle and Gary W. Wolf II of the New Jersey Attorney General's Office, Richard D. Meadow of The Lanier Law Firm PC, Alfred M. Anthony of Locks Law Firm LLC and Katie R. Beran of Hausfeld LLP.

Counsel information for Ford was not immediately available Thursday.

The case is New Jersey Department of Environmental Protection et al. v. Ford Motor Co., case number L-3268-22, in the Superior Court of New Jersey, County of Bergen.

--Editing by Rich Mills.

Link to PDF

Load-Date: June 30, 2022

Ford Bronco Sport Becomes First Vehicle to Feature Parts Made of 100% Recycled Ocean Plastic

Contify Automotive News

December 8, 2021 Wednesday 6:30 AM EST

Length: 1013 words

Body

Dearborn, Michigan, Dec. 8 -- Ford Motor Company issued the following news release:

* Ford adds to its legacy of using sustainable materials in its vehicles and becomes the first automaker to use 100% recycled ocean plastics to produce car parts; wiring harness clips in Ford Bronco Sport are the first of many the company plans to produce using discarded plastic fishing nets

* Ocean plastic is collected by workers in the Indian Ocean and Arabian Sea, promoting healthier marine life, reducing landfill waste and providing jobs

* Recycled plastics provide a durable, low-cost material that is comparable to petroleum-based plastic at 10% cost savings and requiring less energy to produce

Ford adds to its legacy of using sustainable materials in its vehicles and becomes the first automaker to use 100% recycled ocean plastics to produce car parts; wiring harness clips in Ford Bronco Sport are the first of many the company plans to produce using discarded plastic fishing nets

Ocean plastic is collected by workers in the Indian Ocean and Arabian Sea, promoting healthier marine life, reducing landfill waste and providing jobs

Recycled plastics provide a durable, low-cost material that is comparable to petroleum-based plastic at 10% cost savings and requiring less energy to produce

DEARBORN, Mich., Dec. 8, 2021 - Consumer products made from recycled ocean plastics include everything from sunglasses and T-shirts to running shoes and yarn. Now, Ford is adding to its legacy as a leader in sustainability and is the first automaker to use 100% recycled ocean plastics to produce automotive parts.

Wiring harness clips in Ford Bronco(TM) Sport models are made of ocean-harvested plastic - commonly referred to as "ghost gear." The strength and durability of the nylon material equals that of previously used petroleum-based parts but with a 10 % cost savings and requiring less energy to produce. The small parts represent a large first step in the company's plans to produce other parts of recycled ocean plastics on other models.

"This is another example of Ford leading the charge on sustainability," said Jim Buczkowski, vice president of research and Henry Ford technical fellow. "It is a strong example of circular economy, and while these clips are small, they are an important first step in our explorations to use recycled ocean plastics for additional parts in the future."

Ford Bronco Sport Becomes First Vehicle to Feature Parts Made of 100% Recycled Ocean Plastic

Up to 13 million metric tons of plastic enter the ocean each year, threatening marine life and polluting shorelines, according to Pew Charitable Trusts, a global nongovernmental organization. Much of that is attributed to the fishing industry, which has come to rely on plastic fishing nets and other equipment because of the durability, light weight, buoyancy and low cost of the material. Those same qualities contribute to creating ghost nets, a fatal and growing threat to marine life. Ghost gear comprises nearly 10% of all sea-based plastic waste, entangling fish, sharks, dolphins, seals, sea turtles and birds.

Invisible to vehicle occupants, the Bronco Sport's wiring harness clips, which weigh about five grams, fasten to the sides of the Bronco Sport second-row seats and guide wires that power side-curtain airbags. Despite spending time in saltwater and sunlight, the material is as strong and durable as petroleum-based clips, Ford testing shows.

Spurring jobs creation throughout the development process, the plastic material is collected from the Indian Ocean and Arabian Sea by DSM Engineering Materials. Items produced using plastics collected from the oceans include a wide range of consumer goods, but not until now have automotive parts been on that list.

The process begins with DSM harvesting discarded nylon fishing nets. The plastic is washed of saltwater, dried, and extruded to form small pellets, which are then injection-molded by supplier HellermannTyton into the desired clip shape. Ford is already planning additional parts using recycled ocean plastics, including transmission brackets, wire shields and floor side rails - all stationary parts with strength and durability demands that the material can meet or exceed.

"As a global leader in cable management innovation, HellermannTyton strives for eco-friendly ways to pave the path to a more sustainable future," said Anisia Peterman, HellermannTyton's automotive product manager. "Developments like this do not come easy, so we are proud to collaborate with Ford in support of a unique product solution that contributes to healthier oceans."

The Ford legacy of using recycled plastic

For more than two decades, Ford has used recycled plastics not collected from oceans to produce various parts for automobiles. Most recently, the automaker used recycled water bottles to produce lightweight, aerodynamic-enhancing, noise-reducing underbody shields on the 2020 Ford Escape.

The introduction of parts made of recycled ocean plastic opens new opportunities and builds on a global effort to help reduce ocean debris that hampers sea life or, when harvested, further clutters landfills.

About Ford Motor Company

Ford Motor Company (NYSE: F) is a global company based in Dearborn, Michigan, that is committed to helping build a better world, where every person is free to move and pursue their dreams. The company's Ford+ plan for growth and value creation combines existing strengths, new capabilities and always-on relationships with customers to enrich experiences for and deepen the loyalty of those customers. Ford designs, manufactures, markets and services a full line of connected, increasingly electrified passenger and commercial vehicles: Ford trucks, utility vehicles, vans and cars, and Lincoln luxury vehicles. The company is pursuing leadership positions in electrification, connected vehicle services and mobility solutions, including self-driving technology, and provides financial services through Ford Motor Credit Company. Ford employs about 184,000 people worldwide. More information about the company, its products and Ford Motor Credit Company is available at corporate.ford.com.

Source: Ford Motor Company

Load-Date: December 8, 2021

Ford could recycle 25 percent of its plastic bulk with a new 'flash heat' method

India Engineering news

June 1, 2022

Length: 695 words

Dateline: New Delhi, 2022-06-01 10:04:49

Body

June 01 -- Not every old car ends up in a landfill.

Well, not all of every car, to be precise. And the part of old cars that are turned into graphene could make a comeback as an enhanced part for a new car, in a process called circular recycling.

An average SUV contains up to 771 lbs (350 kg) of plastic that would be left in a landfill for centuries if not for a recycling process outlined in a new study published in the debut issue of a new Nature journal, called Communications Engineering.

And, multiplied out to the roughly 10 million vehicles discarded as trash every year, this could help move the needle and bring the auto industry closer to sustainable standards - using circular recycling to substantially lessen the impact of the world's primary means of transportation on the environment.

Circular recycling of plastic waste in old vehiclesThe project was led by James Tour, a chemist at Rice University, who worked with Lead Study Author Kevin Wyss - and it focused on reusing the graphene in old cars to forge enhanced polyurethane foam for new vehicles. The study details tests that showed how graphene-infused foam had a 34 percent increase in tensile strength, with a 25 percent increase in low-frequency noise absorption. And all of this, with just a 0.1 percent difference in weight of the graphene.
The best part: when the new car reaches its end, engineers can just re-flash the foam into graphene, again.
Get more updates on this story and more with The Blueprint, our daily newsletter: Sign up here for free.

"Ford sent us 10 pounds of mixed plastic waste from a vehicle shredding facility," said Tour, in an embargoed release shared with IE. "We flashed it, we sent the graphene back to Ford, they put it into new foam composites and it did everything it was supposed to do."

"Then they sent us the new composites and we flashed those and turned them back into graphene," added Tour. "It's a great example of circular recycling." Plastic used in vehicles has increased by an incredible 75 percent in the last six years as a way to cut down on weight, and increase fuel economy for vehicles.

But separating the different kinds of plastic in cars at the end of their life for recycling has remained a problem for a long time, said Tour. And this problem is all the more acutely felt because of upcoming environmental regulations surrounding end-of-life vehicles. "In Europe, cars come back to the manufacturer, which is allowed to landfill only 5 percent of a vehicle."

How Flash Joule heating recycles up to 25 percent of plastic waste in vehicles"That means they must recycle 95 percent, and it's just overwhelming to them," added Tour. Flash Joule heating, the method used to recycle graphene, was first introduced by the Tour lab in 2020. It places mixed ground plastic and a coke additive (employed for its conductivity) between electrodes inside a tube. Then this is placed high voltage.

This rapid electrocution, which can rise to nearly 5,000 degrees Fahrenheit, vaporizes everything but turbostratic graphene - and that's simple for scientists to solubilize. This flash heating process also provides benefits for the environment, since it doesn't take solvents, and only uses a comparably small amount of energy to generate viable graphene.

Rice lab tested its process by grounding Ford's waste "fluff" - consisting of plastic bumpers, carpets, gaskets, mats, and seating and door casings from expired F-150 pickup trucks into a fine powder. This powder was then flash heated in two steps (with a low current and then a higher one).

The first process left highly carbonized plastic that was roughly 30 percent of the initial bulk (the remaining 70 percent was outgassed or recovered as hydrocarbon-rich oils and waxes). Then the high-current flashing converted the carbonized plastic into graphene, which had 85 percent of the second bulk. Doing the multiplication, that leaves 25.5 percent of the initial bulk from Ford successfully recycled. This is a substantial step for the auto industry, as it works tirelessly to build sustainability into the next generation of all-electric vehicles - which rely on circular recycling of plastic materials.

Load-Date: June 1, 2022

Ford backs research to boost value of recycled plastics

Automotive Monitor Worldwide

June 9, 2022 Thursday

Length: 432 words

Body

Ford Motor Company is collaborating with Rice University to process the plastic parts of used vehicles to produce graphene. The carmaker sells more than 3.5 million units every year.

The average SUV contains up to 350kg of plastic and much of the mixed plastic ends up being incinerated when the car is scrapped, according to Deborah Mielewski, technical fellow for sustainability at Ford. She points out that the US shreds 10 to 15 million vehicles each year, with more than 27 million shredded globally.

But there is an alternative, according to Rice University chemist James Tour and graduate student Kevin Wyss. They report that automotive parts can be ground into powder and converted into graphene thanks to the University labs innovative flash Joule heating process.

The R&D project was established to create enhanced polyurethane foam for new vehicles. Tests showed that graphene-infused foam had a 34% increase in tensile strength and a 25% increase in low-frequency noise absorption. Thats with only 0.1% by weight or less of graphene, says Wyss.

Ford sent the lab team 5kg samples of mixed plastic waste from vehicle shredding facilities to work with. The material was muddy and wet, Tour recalls. Once Ford realised the recycled material did everything it was supposed to do, the lab started working on production waste composites again with promising results.

How does it work?

Mixed ground plastic and a coke additive (for conductivity) are packed between electrodes in a tube and blasted with high voltage. The sudden intense heat upwards of 2 700 Celsius vaporises other elements and leaves behind turbostratic graphene.

Flash heating offers significant environmental benefits as the process does not require solvents and uses a minimum of energy to produce the graphene.

To test whether end-of-life, mixed plastic could be transformed, the Rice lab ground the shredder fluff from bumpers, gaskets, carpets, mats, seating and door casings from end-of-life F-150 pickup trucks into a fine powder without washing or pre-sorting the components.

The lab flashed the powder in two steps, first under a low current and then a high current in a heater Wyss designed for the experiment. Powder heated between 10 to 16 seconds in low current produced a highly carbonised

plastic accounting for about 30% of the initial bulk. The other 70% was either dispersed as gas or recovered as hydrocarbon-rich waxes and oils.

The carbonised plastic was then subjected to high-current flashing, converting 85% of it into graphene while shedding hydrogen, oxygen, chlorine, silicon and trace metal impurities.

Load-Date: June 9, 2022

Ford and HP work on 3D printing waste recycling

just-auto global news

March 26, 2021 Friday 10:04 AM GMT

Length: 613 words

Byline: Dave Leggett

Body

Ford is teaming up with HP to reuse spent 3D printed powders and parts, closing the loop and turning them into injection molded vehicle parts an industry first, it is claimed.

Ford says the resulting injection molded parts are better for the environment with no compromise in the durability and quality standards Ford and its customers demand.

The recycled materials are being used to manufacture injection-molded fuel-line clips installed first on Super Duty F-250 trucks. The parts have better chemical and moisture resistance than conventional versions, are 7% lighter and cost 10% less. The Ford research team has identified 10 other fuel-line clips on existing vehicles that could benefit from this innovative use of material and are migrating it to future models.

"Finding new ways to work with sustainable materials, reducing waste and leading the development of the circular economy are passions at Ford," said Debbie Mielewski, Ford technical fellow, Sustainability.

"Many companies are finding great uses for 3D printing technologies, but, together with HP, we're the first to find a high-value application for waste powder that likely would have gone to landfill, transforming it into functional and durable auto parts."

HP 3D printers are already designed for high efficiency, with systems and structures to minimize the excess material they generate and reuse a greater percentage of the materials put into them. Working with Ford, which uses HP's 3D printing technology at the company's Advanced Manufacturing Center, the team created this solution that produces zero waste.

"You get more sustainable manufacturing processes with 3D, but we are always striving to do more, driving our industry forward to find new ways to reduce, reuse and recycle powders and parts," said Ellen Jackowski, chief sustainability and social impact officer, HP. "Our collaboration with Ford extends the environmental benefits of 3D printing even further, showcasing how we are bringing entirely different industries together to make better use of spent manufacturing materials, enabling a new circular economy."

For its part, Ford is developing new applications and utilizing a multitude of different processes and materials for 3D printing, including filaments, sand, powders and liquid vat polymerization. The company already employs 3D printing for a variety of low-volume commercial vehicle parts, as well as fixtures used by assembly line workers, saving time and enhancing quality.

Companywide, Ford has a goal to achieve 100% sustainable materials in its vehicles.

"A key to achieving our sustainability goals and solving the broader problems of society is working with other like-minded companies we can't do it alone," Mielewski said. "With HP, we defined the waste problem, solved technical challenges and found a solution in less than one year, which is something in which we all take pride."

Three other companies helped Ford and HP make the project outcome possible.

SmileDirectClub, the next-generation oral care company with the first medtech platform for straightening teeth, operates the largest facility of HP 3D printing systems in the U.S. The company's fleet of more than 60 HP 3D printers produces more than 40,000 aligners a day. The resulting used 3D printed parts are collected and recycled with HP to increase volume for Ford.

Resin producer Lavergne, a longtime recycling partner of HP, transforms those molds and discarded powder from Ford's HP 3D printers into high-quality recycled plastic pellets, suitable for injection molding. The pellets are then molded into fuel-line clips by Ford supplier ARaymond, who designs, engineers and manufactures assembly systems.

Load-Date: March 26, 2021

Ford Global Technologies, LLC's US Patent application for "Air Pollution Detection And Remediation Systems And Methods" is in published phase now

Impact Financial News

July 30, 2022 Saturday

Length: 261 words

Body

ALEXANDRIA, Va: United States Patent and Trademark Office has published on July 28, 2022, an application no. 20220234414 for the registration of US patent by Ford Global Technologies, LLC for "Air Pollution Detection And Remediation Systems And Methods".Inventors: Wingfield; Eric; (Ann Arbor, MI) ; Moore; Doug; (Southfield, MI) ; Hickey; Gwen; (Dearborn, MI) ; Palanisamy; Ananda; (Dearborn, MI) ; De Kleine; Robert; (Dearborn, MI)Applicant: Ford Global Technologies, LLCApplication filing date: January 22, 2021According to the abstract released by the U.S Patent & Trademark Office: "The disclosure generally pertains to systems and methods for using vehicles to detect and remediate air pollution.

In an example implementation, a server computer transmits a directive to a vehicle controller of a vehicle, to measure an air pollution level around the vehicle at a first location. The vehicle controller executes an air pollution measurement and transmits measurement data to the server computer. The server computer evaluates the measurement data and directs the vehicle controller to perform a remedial action for reducing the air pollution level at the first location. The remedial action can involve, for example, the vehicle controller moving the vehicle from the first location to a second location. The server computer may also determine whether the first location is a transient pollution location or a persistent pollution by directing the vehicle controller to carry out measurements at two different times and/or by employing two different sampling rates."

Load-Date: August 1, 2022

End of Document

Investigators from Ford Motor Company Target Transportation (Closed-loop Recycling of Thermoset Composites From Electric Motor Assembly Process Into Flexible Polyurethane Foams)

Transportation Daily News

October 12, 2022 Wednesday

Section: TRANSPORTATION

Length: 465 words

Body

2022 OCT 12 (NewsRx) -- By a News Reporter-Staff News Editor at Transportation Daily News -- Fresh data on Transportation are presented in a new report. According to news reporting originating from Dearborn, Michigan, by NewsRx correspondents, research stated, "Polyurethane foams (PU) are used in many automotive applications due to their durability and sound absorption properties. This paper examines the effects of reusing predominantly silica-filled thermoset composites as a reinforcing agent when ground to a particle size less than 106 mu m (0%, 2.5%, 5%, 7.5% by wt%) on mechanical, physical, thermal, and sound absorption properties of PU foam."

Our news editors obtained a quote from the research from Ford Motor Company, "Young's modulus improved by 27%, and tensile strength increased by 18% with 7.5% reinforcement. Compression stress improved at 25%, 50%, and 65% strain by 37%, 41%, and 44%, respectively, with the 7.5% filler. Compression modulus increased by 66% with 7.5% filler. The addition of the filler did not impact tensile extension or tear resistance. TGA showed increased thermal stability, and the sound absorption coefficient increased over a spectrum of frequencies."

According to the news editors, the research concluded: "This research demonstrates a promising recycling opportunity for thermoset materials and how Ford Motor Company can create a closed-loop recycling process from an assembly aid material into another vehicle application."

This research has been peer-reviewed.

For more information on this research see: Closed-loop Recycling of Thermoset Composites From Electric Motor Assembly Process Into Flexible Polyurethane Foams. Polymer Composites, 2022. Polymer Composites can be contacted at: Wiley, 111 River St, Hoboken 07030-5774, NJ, USA. (Wiley-Blackwell - www.wiley.com/; Polymer Composites - onlinelibrary.wiley.com/journal/10.1002/(ISSN)1548-0569)

The news editors report that additional information may be obtained by contacting Rachel Couvreur, Ford Motor Company, Research and Innovation Centre, Dearborn, MI 48124, United States. Additional authors for this research include Sandeep Tamrakar, Deborah Mielewski, Alper Kiziltas and Pauline Savich.

The direct object identifier (DOI) for that additional information is: https://doi.org/10.1002/pc.26966. This DOI is a link to an online electronic document that is either free or for purchase, and can be your direct source for a journal article and its citation.

Keywords for this news article include: Dearborn, Michigan, United States, North and Central America, Transportation, Automobile Companies, Business, Business, Ford Motor Company, Ford Motor Company.

Investigators from Ford Motor Company Target Transportation (Closed-loop Recycling of Thermoset Composites From Electric Motor Assembly Process Into Flexible Po....

Load-Date: October 12, 2022

End of Document

Ford Global Technologies, LLC (Michigan)'s US Patent application for "POLLUTION MANAGEMENT SYSTEMS AND METHODS" is in published phase now

Impact Financial News

January 5, 2021 Tuesday

Length: 204 words

Body

ALEXANDRIA, Va: United States Patent and Trademark Office has published on December 31, 2020, an application no. 20200410862 for the registration of US patent by Ford Global Technologies, LLC (Michigan) for "POLLUTION MANAGEMENT SYSTEMS AND METHODS".Inventors: Malczyk; Andrew; (London, GB) ; Jackson; Emily; (Dartford, GB) ; Raisin; Adrian; (Walthamstow, GB)Applicant: Ford Global Technologies, LLC Dearborn MI US (Michigan)Application filing date: June 25, 2020According to the abstract released by the U.S Patent & Trademark Office: "A pollution management method is provided. The method comprises determining a target relating to a level of pollution in an area associated with one or more parking spaces; monitoring a level of pollution in the area; adjusting a parking policy of the one or more parking spaces based on a comparison between the target and the level of pollution, in order to incentivise or disincentivise parking in the area; monitoring vehicles parking in the area; and re-adjusting the parking policy according to the vehicles parking in the area in order to adjust the incentivise or disincentivise to parking in the area and thereby achieve the target relating to the level of pollution in the area."

Load-Date: January 7, 2021

Audi, Ford, Vauxhall, Mercedes and BMW diesel car drivers could be owed £12,000 each after buying 'polluting' vehicles

dailyrecord.co.uk

July 1, 2021 Thursday 10:57 AM GMT

Section: LIFESTYLE,MONEY; Version:1

Length: 574 words

Byline: By Sophie Law
Highlight: Motorists who have owned a diesel car or van in Scotland made between 2007 and 2018 could be affected.

Body

Driversof diesel cars could be in line for up to £12,000 each after buying polluting vehicles by manufacturers.

Motorists who have owned a diesel car or van inScotland, England or Wales made between 2007 and 2018 could be affected.

Law firms are trying to gather drivers of certain cars together to make big claims against vehiclemanufacturers- though nothing is certain, according toMoneySavingExpert.

Lawyers say the brands affected are Audi, BMW, Chrysler, Citroen, Fiat, Ford, Hyundai, Jaguar, Kia, Land Rover, Mini, Mercedes-Benz, Nissan, Peugeot, Porsche, Renault, Seat, Skoda, Vauxhall, Volkswagen and Volvo.

The issue is that many diesel cars were made with 'defeat devices', often in the form of software code, that cheated emissions tests.

These tests have to be passed in many countries before a car can be sold. The devices meant many vehicles were actually more polluting than advertised.

Now law firms say you could be able to claim because you wouldn't have bought these cars had you known, and you may have overpaid for one.

Scots starting new job could claim up to £400 - check if you're eligible

ASDA announces new change that will cost all online shoppers £8.50

Drivers who purchased vehicles that were more polluting than they were led to believe could be owed up to £12,000 each.

And experts suggest there could be 9.6million of them.

If one in three owners claim, and the cases are successful, the total payout could match the scale of the PPI scandal, which cost banks £38billion.

Audi, Ford, Vauxhall, Mercedes and BMW diesel car drivers could be owed £12,000 each after buying 'polluting' vehicles

If your car or van had to be modified to meet the emissions rules, it could have lower fuel efficiency, worse performance or a lower value.

More than a dozen legal firms are competing to attract drivers, including Leigh Day, Slater & Gordon and PGMBM.

Financial help available in Scotland

Slater and Gordon is leading the claim in England and Wales for a group of more than 90,000 affected vehicle owners.

The English High Court has recently ruled that the software fitted in the vehicles was a 'defeat device', which is an important step in the case.

Scottish Parliament passed the Civil Litigation (Expenses and Group Proceedings) (Scotland) Act 2018 in May 2018 enabling group litigations to be raised in Scotland for the first time.

Although the Act was passed in 2018, the legislation is only planned to come into effect in August 2020.

Lawyers in Scotland will be raising a collective action on behalf of affected car owners against VW as soon as the legislation is in place, according toSlater & Gordon.

All the car manufacturers completely deny the claims. Only cases affecting Audi, Mercedes-Benz, Seat Skoda and Volkswagen have gone to court so far.

Most-Read Money Stories Today

If you think you have a genuine claim, have a look on MoneySavingExpert's website to see which law firm could handle your case.

From there, visit the law firm's website to see if you have a qualifying vehicle by entering your number plate.

If you qualify, you will be told what to do to be part of a mass claim.

It is free to join such a claim, but law firms will take up to 50% of any cash you win as a fee.

Most of the lawyers will let you cancel a claim within 14 days with no fee. After that date there could be a cancellation fee.

If you lose the case you should pay nothing, as law firms have insurance to cover them for the costs of failed court action.

However, there is a small chance you could pay a slice of these costs if the case fails and the insurance doesn't pay out.

Load-Date: July 1, 2021

India- Ford now produces F-250 parts using recycled 3D printer waste

MENAFN - Business & Finance News (English)

March 27, 2021 Saturday

Length: 551 words

Body

Link to Image

Link to Story

- American automaker Ford has teamed up with HP and three other companies to repurpose spent 3D printing raw materials such as powders and filaments. The new process converts the waste into material suitable for injection molding plastic parts for vehicles. In what Ford called an industry-first, the company is using the new technique to mass-produce fuel-line clips for its F-250 trucks.
- In this article 3D printing processes add material layer-by-layer to create components Ford's 3D printing waste isn't immediately usable for injection molding Ford, HP collaborated with Lavergne to convert waste to pellets Ford's fuel-line clips using repurposed material couldn't possibly be lighter World's largest HP 3D printer facility supplements volume for Ford
- Cost savings 3D printing processes add material layer-by-layer to create components
- Ford said the manufactured parts are 7% lighter and also cost 10% less. 3D printing is an additive manufacturing process that adds material layer by layer to create parts instead of conventional subtractive processes which remove material. This means that it inherently wastes less material. However, wastage still occurs in the form of failed or erroneous prints, calibration prints, and spools for filament.
- Details Ford's 3D printing waste isn't immediately usable for injection molding
- Ford uses HP 3D printers at its Advanced Manufacturing Center for making prototypes, fixtures used by assembly line workers, and low-volume commercial vehicle parts. The company's 3D printing technologies require material input in various physical forms such as powders, liquids, and filament. However, print waste and the unused raw material aren't immediately reusable for injection molding fuel-line clips.
- Zero wastage Ford, HP collaborated with Lavergne to convert waste to pellets
- Injection molding requires material input in pellet form. This is where resin producer Lavergne comes in. The company converts discarded powder and prints from Ford's facilities into pellets. These pellets are molded into fuel-line clips by Ford's supplier ARaymond that also deals with the design, engineering, and

manufacturing of assembly systems. Ford has also tied up with SmileDirectClub, an oral care and medtech platform.

- Marketing gimmick? Ford's fuel-line clips using repurposed material couldn't possibly be lighter
- Ford claims to have achieved 7% weight savings on the ten-gram fuel-line clips for a three-ton truck. However, carmakers typically use ABS plastic, nylon, and polycarbonate for prototyping. These materials are denser than injection molding car parts generally made from PVC, polyurethane, and polypropylene. So, when the denser recycled raw material is injection molded, the resulting parts cannot possibly be lighter.
- All smiles World's largest HP 3D printer facility supplements volume for Ford
- SmileDirectClub also operates the world's largest facility of the HP 3D printing systems. Its 60+ printers together produce more than 40,000 dental aligners each day. These used 3D-printed parts are also collected and recycled to boost pellet production volume for Ford. Although the new zero-waste process is a small optimization, it could have a sizable impact considering Ford's scale of operations.

MENAFN27032021000165011035ID1101820354

Load-Date: July 28, 2021

Ford, Ford Credit Introduce Sustainable Financing Framework Prioritizing EV, Clean Production, Community Investments

Business Wire

November 4, 2021 Thursday 12:30 PM GMT

Length: 1469 words

Dateline: DEARBORN, Mich.

Body

Ford Motor Company and its financing subsidiary, Ford Motor Credit Company, today introduced the North America auto industry's first sustainable financing framework, focusing on and paying for ambitious plans in vehicle electrification and other environmental and social areas.

Separately, Ford today also announced a cash tender offer to repurchase up to $5 billion of the company's higher-cost debt. Actions such as the debt tender offer and the issuance of 0% convertible notes earlier this year, together with anticipated broader access to capital from the new sustainable financing framework, are consistent with Ford's objectives to further strengthen its balance sheet and financial flexibility and return its credit ratings to investment grade.

"Winning businesses are financially healthy and lead in sustainability - it's not a choice, they rely on each other," said John Lawler, Ford's CFO. "We're again putting our money where our mouth is, prioritizing and allocating capital to environmental and social initiatives that are good for people, good for the planet, and good for Ford."

Today's announcement was made on the fifth anniversary of the Paris Climate Agreement, as Ford executives joined world leaders, environmental advocates and other forward-looking companies at the United Nations Climate Change Conference (COP26) in Glasgow, Scotland.

Among other expected benefits, initiatives outlined in Ford's sustainable financing framework are intended to help the company become carbon neutral no later than 2050, in line with its commitment to the Paris Agreement. Ford was one of the first full-line U.S. automakers to pledge to reduce greenhouse gas emissions from its vehicles, operations and supply chain in alignment with goals of the accord. This pledge is backed by science-based interim targets the automaker intends to achieve by 2035.

The potential positive environmental and social influence of projects described in Ford's sustainable financing framework earned an "advanced" rating - the highest possible - from Vigeo Eiris. Vigeo Eiris, an arm of Moody's Corp., makes independent assessments of organizations' goals and performance against environmental, social and governance matters.

Guided by aggressive environmental and social goals, a significant portion of related financing will go toward accelerating Ford's leadership in electric vehicles. Objectives include expanding EV technology and charging infrastructure to remove obstacles to adoption and improve the customer experience, and EV and battery manufacturing to reduce emissions.

"We're going to build high-quality electric vehicles at scale and do so in a way that has a positive impact on people and the environment," said Bob Holycross, Ford's vice president, Sustainability, Environment and Safety Engineering. "In communities where air pollution and climate change are disproportionate burdens today, access to

EVs can have the additional benefit of moving people to the front of the line for the health, economic and mobility benefits these vehicles can provide."

How Ford's Sustainable Financing Framework Works

The framework will cover a variety of both unsecured and securitization funding transactions, including ESG bonds issued by Ford and Ford Credit to finance environmental and social projects, and how Ford's electrification and mobility projects will be evaluated and selected. The framework will also govern how the proceeds will be managed and how Ford and Ford Credit will report results. Funds will be fully allocated within 24 months of each sustainable financing issuance.

Net proceeds from sustainable financing will be invested and expended in four areas:

- Clean Transportation - Designing, developing and manufacturing zero-emissions transportation, focusing on battery electric vehicles and the batteries that power them across the full range of design, development, manufacturing and end-of-life. Examples include Ford's recent announcement of the largest U.S. investment in electric vehicles at one time by an automotive manufacturer, together with SK Innovation, in new Tennessee and Kentucky mega-sites; collaborating with Redwood Materials on recycling options for scrap and end-of-life EVs and lithium-ion batteries; and offering financing products and wholesale loans to establish or improve the EV charging infrastructure.
- Clean Manufacturing - Further reducing the environmental footprint of Ford's operations through renewable energy, sustainable water and wastewater management, waste management, and energy-efficient buildings. As examples, Ford's new advanced campuses in Tennessee and Kentucky will be designed to have as minimal an impact as possible - and even to generate beneficial effects - on the surrounding environment.
- Making Lives Better - Advancing economic opportunity and equity for underrepresented and/or disadvantaged populations through projects to help widen Ford's supplier and dealer diversity networks. The goal is to create programs and opportunities for businesses owned by minorities, women, military veterans and disabled people, and for women-focused community ventures and social enterprises that promote better health, develop critical skills, and support child and maternal health, education and disability support services.
- Community Revitalization - Supporting and lifting disadvantaged communities by creating and renovating spaces to provide employment opportunities and access to essential services. One such project is Ford's investment in redeveloping the historic Michigan Central Station and surrounding area to create a new mobility innovation district in Detroit's Corktown neighborhood. The project is bringing together diverse thinkers and doers to help solve complex community challenges and improve access and equity for all.

Ford's sustainable financing framework aligns with its ambitious sustainability goals, as well as environmental and social principles and best practices established by the International Capital Market Association and the Loan Market Association. Those groups counsel transparency, disclosure, measuring impact and external reviews in sustainable financing.

In addition to external verification, a new sustainable financing committee established within Ford will assure that funded projects comply with Ford's corporate social responsibility strategic plan and otherwise meet eligibility criteria. The committee comprises senior representatives from Treasury, Sustainability, Corporate Finance, Investor Relations, Ford Credit and Legal.

Committed to a Sustainable Future

Ford's extensive support of and leadership at COP26 will include joining with other signatories to the ambitious RouteZero initiative. Led by the international non-profit the Climate Group and the United Nations High-Level Climate Champions, RouteZero aims to reduce carbon associated with road transportation. More than 50

businesses, cities and regions have pledged to work together toward 100% zero-emission cars and vans globally by 2040, and in leading markets no later than 2035.

Additionally, Ford's Holycross will address high-level business representatives, financiers, government officials, policymakers, innovators, members of academia and environmental influencers at the World Climate Summit: The Investment COP on Nov. 7. The event is a leading forum for business- and investment-driven solutions to climate change convened by the World Climate Foundation. In his remarks, Holycross will focus on Ford's substantial sustainability accomplishments to date, and how the company is focused on leading the electric revolution at scale.

About Ford Motor Company

Ford Motor Company (NYSE: F) is a global company based in Dearborn, Michigan, that is committed to helping build a better world, where every person is free to move and pursue their dreams. The company's Ford+ plan for growth and value creation combines existing strengths, new capabilities and always-on relationships with customers to enrich experiences for and deepen the loyalty of those customers. Ford designs, manufactures, markets and services a full line of connected, increasingly electrified passenger and commercial vehicles: Ford trucks, utility vehicles, vans and cars, and Lincoln luxury vehicles. The company is pursuing leadership positions in electrification, connected vehicle services and mobility solutions, including self-driving technology, and provides financial services through Ford Motor Credit Company. Ford employs about 184,000 people worldwide. More information about the company, its products and Ford Motor Credit Company is available at corporate.ford.com .

For news releases, related materials and high-resolution photos and video, visit www.media.ford.com .

View source version on businesswire.com: https://www.businesswire.com/news/home/20211104005615/en/

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Load-Date: November 4, 2021

Ford to produce 2 million electric cars by the end of 2026

CE Noticias Financieras English

April 5, 2023 Wednesday

Length: 334 words

Body

The automotive company Ford's goal is to produce 2 million electric vehicles by the end of 2026, and expects to have half of the global sales of such vehicles by 2030, detailed in its integrated financial and sustainability report.in this report, the company stated that since last year, and until 2026, it will allocate 50 billion dollars for the development and manufacture of batteries, as well as electric cars and their components.The company expects the annual production of its Ford Model e to reach 600 thousand units worldwide by 2023, and to reach 2 million by the end of 2026. "We are undertaking a massive transformation to lead the era of electric and connected transportation," explained executive president Bill Ford.For Ford, the introduction of electric vehicles reduces the global impact of CO2 by saving more than 30 thousand liters of gasoline during the useful life of the car.In line with environmental care, the automaker presented in its report the progress achieved in the last 5 years, including: a 40 percent reduction in carbon emissions from the manufacture of its cars, due to the investment of 26 million dollars to update its facilities and improve its energy efficiency.In its report, the company remarked that by 2050 the sum of all its operations will have a neutral impact on greenhouse gas (GHG) emissions. In addition, from 2019 to 2022 Ford reduced its Scope 3 emissions by 23 percent, which refers to all those outside the company, such as pollution caused by its employees.Due to the implementation of new policies, such as audits of its suppliers during 2021, to better control the origin of its raw materials, such as lithium, nickel and cobalt.

"In 2022, we made a number of advances towards carbon neutrality, including the introduction of exciting new electric vehicles, upgrading our facilities, investing in renewable and carbon-free electricity," said Cynthia Williams, Ford's global director of sustainability, certification and compliance.SNGZ

Load-Date: April 6, 2023

PT Vale Indonesia and Huayou Sign Agreement with Ford Motor Supporting Growth of the Global Sustainable EV Industry

Contify Automotive News

March 30, 2023 Thursday 6:30 AM EST

Length: 1437 words

Body

PT Vale Indonesia Tbk and China's Zhejiang Huayou Cobalt Co. announced a three-party collaboration to advance more sustainable nickel production in Indonesia and help make electric vehicle batteries more affordable. The Pomalaa Block High-Pressure Acid Leaching (HPAL) Project could produce up to 120 kilotons per year of contained nickel in the form of mixed hydroxide precipitate.

Key Highlights:

* It will also enhance Indonesia's EV manufacturing industry and support Ford's plan to deliver a 2 million EV production run rate by the

* This block is a National Strategic Project with an investment of up to Indonesian rupiah 67.5 trillion and is expected to generate 12,000 construction jobs.

Original Press Release:

Jakarta, March 30 --Ford Motor Company issued the following news release:

PT Vale Indonesia Tbk and China's Zhejiang Huayou Cobalt Co. today announced an agreement with global automaker Ford Motor Co., creating a three-party collaboration to advance more sustainable nickel production in Indonesia and help make electric vehicle batteries more affordable.

All three companies are making equity investments in the Pomalaa Block High-Pressure Acid Leaching (HPAL) Project through a definitive agreement celebrated today at a ceremony featuring Indonesia President Joko Widodo.

The Pomalaa Block HPAL Project will process ore provided by PT Vale Indonesia from its Pomalaa Block mine to produce MHP. This HPAL plant will operate under PT Kolaka Nickel Indonesia in the Pomalaa Block nickel industrial area in Kolaka, Southwest Sulawesi, Indonesia. Subject to regulatory approval, the project could produce up to 120 kilotons per year of contained nickel in the form of mixed hydroxide precipitate (MHP), a lower-cost nickel product used in EV batteries with nickel-rich cathodes.

Pomalaa Block HPAL Project early site preparations have already started, and full construction is expected to start this year, with commercial operations beginning in 2026. The collaboration will deliver materials essential for the auto industry's shift to EVs, enhance Indonesia's EV manufacturing industry and support Ford's plan to deliver a 2 million EV production run rate by the end of 2026 and further scale over time.

The three-way nickel processing project - together with a separate supply agreement under development with Ford and Huayou for a precursor cathode active material critical to manufacturing lithium-ion batteries - collectively will combine with Ford's other sourced nickel, significantly contributing to support its EV production targets by the end of 2026.

"This framework gives Ford direct control to source the nickel we need - in one of the industry's lowest-cost ways - and allows us to ensure the nickel is mined in line with our company's sustainability targets, setting the right ESG standards as we scale," said Lisa Drake, vice president for Ford Model e EV industrialization. "Working this way puts Ford in a position to help make EVs more accessible for millions and to do it in a way that helps better protect people and the planet."

"This agreement shows it's not just about what we mine - but how we do it," said Febriany Eddy, PT Vale Indonesia CEO. "We embed our environmental, social and governance standards into everything we do, and the result is a unique collaboration with global automaker Ford and leading global mineral processor Huayou to jointly invest in this project. This global co-operation is in line with Indonesia's vision to build a domestic EV ecosystem and makes PT Vale an important contributor toward addressing the world's decarbonization challenge, with an investment that will generate local economic benefits and ensure the optimal utilization of Indonesia's nickel resources."

This agreement is the continuation of PT Vale Indonesia's Pomalaa Block ground-breaking last November. This block is a National Strategic Project with an investment of up to Indonesian rupiah 67.5 trillion and is expected to generate 12,000 construction jobs.

"Huayou is a technology-driven enterprise, and a leading manufacturer of green, low carbon, high ESG standard new energy battery materials. This strategic cooperation is one of the flagship projects under the Belt and Road Initiative and Global Maritime Fulcrum synergy, also links Indonesia nickel and cobalt resources to EV makers via Huayou's advanced capability and HPAL technology, is a great business model of EV value chain and will make a splendid contribution to the EV industry ecology development of Indonesia. The MHP produced in this project will be processed further into nickel sulphate, cobalt sulphate Li-ion battery materials, and ternary PCAM," Dr. George Fang, Senior Vice President of Huayou, said. "The joint efforts of three parties aims to create a very positive influence on the economy and social development of Indonesia as well as the global EV industry and its supply chain."

The project was inaugurated by the Coordinating Minister of Maritime Affairs and Investment, Luhut Binsar Pandjaitan. During his speech, Minister Luhut said Pomalaa Block is the stepping stone for Indonesia to be recognized as a high-quality mineral producer for the global EV ecosystem.

"This partnership affirms PT Vale Indonesia as the premiere supplier and champion of sustainable and low-carbon nickel, building on our 55-year history as a key partner with a commitment to drive lasting socioeconomic benefits for Indonesia on its path to becoming a critical hub for the global EV value chain," said Deshnee Naidoo, PT Vale President Commissioner and Executive Vice-President of Vale Energy Transition Metals.

Morgan Stanley & Co. LLC is serving as Ford's financial advisor in connection with this transaction, while Standard Chartered is providing similar services for Huayou.

About Ford Motor Company

Ford Motor Company (NYSE: F) is a global company based in Dearborn, Michigan, committed to helping build a better world, where every person is free to move and pursue their dreams. The company's Ford+ plan for growth and value creation combines existing strengths, new capabilities and always-on relationships with customers to enrich experiences for customers and deepen their loyalty. Ford develops and delivers innovative, must-have Ford trucks, sport utility vehicles, commercial vans and cars and Lincoln luxury vehicles, along with connected services. The company does that through three customer-centered business segments: Ford Blue, engineering iconic gaspowered and hybrid vehicles; Ford Model e, inventing breakthrough EVs along with embedded software that defines exceptional digital experiences for all customers; and Ford Pro, helping commercial customers transform and expand their businesses with vehicles and services tailored to their needs. Additionally, Ford is pursuing mobility solutions through Ford Next, and provides financial services through Ford Motor Credit Company. Ford employs about 173,000 people worldwide. More information about the company and its products and services is available at corporate.ford.com.

PT Vale Indonesia and Huayou Sign Agreement with Ford Motor Supporting Growth of the Global Sustainable EV Industry

About PTVI

Established on July 25, 1968, over half a century of operations in Indonesia, PT Vale Indonesia Tbk (IDX: INCO) grew to become one of the leading mineral mining companies, with a 55-year track record of positively contributing to Indonesia's sustainable development. PT Vale produces nickel with a focus on downstream processing, underpinned by renewable and low-carbon energy and a belief that mining is essential to the world's development. Visit and get to know us more at vale.com/indonesia

About Zhejiang Huayou Cobalt Co.

Founded in 2002, Huayou is headquartered in Tongxiang, PRC., and listed on the Shanghai Stock Exchange with a market capitalization of around US$14 billion. Huayou is a leading manufacturer of new energy battery materials in China, with four major business segments, including development and refining of battery metal resources (nickel, cobalt, lithium), production of precursors, ternary cathode materials, and recycling of battery materials, hereby possessing a complete industrial chain from the development of battery metal resources to R&D and production of battery materials. Currently, Huayou is the global tier-one manufacturer in terms of refined cobalt product, ternary precursor and ternary cathode. Huayou has forged strategic collaborations with Vale, LG Chem, POSCO, CATL, Tesla, BYD, Ford, Volkswagen, BMW etc. More information about the company and its products and services is available at www.huayou.com

[Category: Automobile Manufacturers, Automobiles, Partnerships and Alliances, Procurement and Sales, ESG]

Source: Ford Motor Company

Load-Date: April 1, 2023

Ford Highlighted as Corporate Leader in CDP Water Report, Building on Double A Score for Water Security and Climate Change

Impact Financial News

March 24, 2023 Friday

Length: 369 words

Body

Detroit, Michigan: Ford Motor Company has issued the following press release:

Ford has beenrecognizedby the Carbon Disclosure Project (CDP), a leading global environmental non-profit with the largest environmental database in the world, in a report highlighting current water risks and future water-related financial opportunities for businesses.The reporthighlights Ford ' s water saving innovations in its manufacturing facilities around the world as real-world business success stories.“Ford has unquestioningly benefitted from our years-long relationship with CDP and we appreciate the valuable insight its water security program has added to our internal processes,” said Andy Hobbs, global director, Environmental Quality Office, Environmental & Safety Compliance at Ford. “It ' s gratifying, each year, to see our progress toward zero water withdrawals for manufacturing processes. Together with CDP and a growing number of our suppliers, we are ensuring billions of gallons of water are preserved for human consumption.

”Ford ' s water strategy aims to make zero water withdrawals for manufacturing processes in order to support freshwater availability in local communities and uses recycling and reuse systems to save water and conserve energy.Since 2000, Ford has achieved a 76.2% reduction in absolute freshwater use, accounting for a cumulative 186.3 billion gallons of water saved. In 2022, Ford used 22 percent less water globally, the equivalent of providing a year ' s worth of water to 1.7 million homes.In a global evaluation of more than 15,500 global companies, Ford ' s efforts in the areas of water security and climate stewardship received a coveted double ‘A ' score from the CDP last year. Ford was the only automaker to achieve the CDP A List in both water and climate.“We were grateful to receive a double ‘A ' score from CDP and also encouraged to see an increasing number of companies participating in CDP ' s data collection,” said Cynthia Williams, Global Director, Sustainability, Homologation and Compliance, Ford. “This is an important metric, which Ford will remain committed to as we push toward our goal of carbon neutrality. We encourage our suppliers and partners to do the same. ”

Load-Date: March 25, 2023

End of Document

Research project to develop new, sustainable e motor manufacturing processes kick-off on Ford Cologne-Niehl site

just-auto global news

May 8, 2021 Saturday 11:18 AM GMT

Length: 693 words

Byline: just-auto plus

Body

Ford is among a number of consortium partners that today announced the creation of a European research centre to investigate new production processes for the next-generation of electric motors.

The aim of the research project, called HaPiPro2, is to develop future-facing products and new processes that will form the foundation for various European manufacturers to play a leading global role in the mass-production of electric vehicle components.

The consortium includes Ford, Thyssenkrupp System Engineering, RWTH Aachen University s 3D-printing and product engineering departments, and electric motor experts, Engiro. During the 36-month public-funded project, the companies will work together to develop flexible, scalable and efficient new production methods that could be used for future e-motor components along a single production line.

Ford is committed to helping the industry enable the future of vehicle electrification, said Gunnar Herrmann, executive chairman, Ford of Germany. We are proud to host and contribute to this landmark research centre that

will be a unique, advanced engineering platform for all companies to research and evaluate the future of electric motor production processes.

The new e-motor joint research centre will be located within Ford s Cologne-Niehl plant, in Germany.

The name of the initiative, HaPiPro2, refers to the hairpin technology used in the wire-winding inside the e-motor assemblies. Hairpin technology is a key area of innovation in electric-drive systems, and the HaPiPro2 research will investigate how to exploit its potential to enable the efficient production of multiple e-motors variations on a single production line.

In addition to hosting the research centre on its site and operating the systems, Ford will lead the development of new laser-based methods for joining the copper hairpin contacts, and research the use of artificial intelligence tools for process control.

Contributions from other consortium partners include the Digital Additive Production department from RWTH Aachen University which will lend its 3D printing expertise to develop tooling for the production line and explore further opportunities for additive manufacturing in the production process.

Ensuring sustainability will also be a key deliverable for the consortium, with a closed-loop approach ensuring that maintenance, re-use and re-cycling of e-motor components will be considered alongside initial manufacture.

The main objective of the HaPiPro2 project is about more than the efficient design of the e-motor itself, but about developing variant flexibility when producing it, said Prof. Achim Kampker, Production Engineering of E-Mobility Components (PEM), RWTH Aachen University. The PEM at RWTH Aachen University will contribute its expertise in application-oriented research to the overall hairpin process chain, as well as the analysis of cause-effect relationships and the testing of digital methods within production planning.

Ford s commitment to an electrified future

The continued transformation of Ford s business in Europe is being led by its commitment to an all-electric future, where it has put plans in place to lead in the areas that play to its strengths.

In February, Ford committed that its commercial vehicle range in Europe will be zero emissions capable, all-electric or plug-in hybrid, by 2024, with two-thirds of commercial vehicle sales expected to be all electric or plug-in hybrid by 2030. By mid-2026, 100 percent of its passenger vehicle range also will be zero emissions capable, all-electric or plug-in hybrid, moving to all-electric by 2030.

The company s first European manufactured, all-electric volume passenger vehicle also will be built in Cologne in 2023 at the new Cologne Electrification Centre following a $1 billion investment it continues to modernize its facilities in the preparation for the shift to an all-electric future.

Ford s commitment to electrification extends to the introduction of 17 new electrified vehicles for customers in Europe before the end of this year. These include all-new, all-electric Mustang Mach-E, deliveries of which are now underway in Europe.

Load-Date: May 10, 2021

The Toxic Legacy of Ford Motor Company

Newstex Blogs

Workers' Compensation

June 21, 2022 Tuesday 1:20 AM EST

Length: 2023 words

Byline: Jon L. Gelman

Body

Jun 21, 2022(Workers' Compensation: http://workers-compensation.blogspot.com/ Delivered by Newstex) ;

The State of New Jersey is suing Ford Motor Company [FMC] for environmental pollution due to dumping its toxic waste in Ringwood, New Jersey. FMC operated a huge assembly plant in Mahwah, New Jersey, from 1955 through June 1980.

The facility produced 6 million cars during its 25-year history. It is alleged that FMC hired a company to cart off its toxic waste to old mine property that FMC owned in Ringwood. The allegations in the lawsuit state that the carting company 'disposed of trash, paint sludge, drummed waste and other non-liquid wastes from the plant on the ground and in pits and abandoned mine shafts at various locations within Ringwood Mines.'
https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEg150edrc8qhJtVwPpg0JteBNcNrj_C5YclkWrdlAS7oHnShNt7cOE5s91TQYSp_i0Q186-0Fsr20P9-Mj7JnIPV0jMXf5k1Da-UPv2XZOLhb0fIkhmFXmTJcTa4KQfOWsoRhHk4qoYcJmgUwcajDr0iJ7Abmy-iEGScOaEUpC-CfXGc8C8YFfq88Dh/s2310/EPA%20RINGWOOD.jpg
Those who worked in and about the area may be eligible for workers' compensation benefits for related medical conditions as a result of the occupational exposure. Individuals should consult an attorney-at-law to review the matter on a timely basis.
The chemicals dumped in Ringwood were toxic substances, including but not exclusive to: lead,arsenic,benzene,1,4-dioxane,antimony,vanadium,polychlorinated biphenyls ('PCBs'),semi-volatile organic compounds ('SVOCs'),benzo(a)anthracene,benzo(a)pyrene,benzo(b)fluoranthene, benzo(k)fluoranthene,bis(2-Ethylhexyl)phthalate,chrysene,dibenzo(a,h)anthracene,indeno(1,2,3-cd)pyrene,naphthalene, andpentachlorophenol.

Acting Attorney General Matthew J. Platkin and Commissioner of Environmental Protection (DEP) Shawn M. LaTourette announced last week that the DEP has filed suit against Ford Motor Co. over its contamination of hundreds of acres of soil, water, wetlands and other natural resources in Passaic County.
The lawsuit seeks compensation for Natural Resource Damages (NRDs) caused by Ford's disposal, over many years, of toxic paint sludge and other pollutants within a former iron mining area known as Ringwood Mines in the Borough of Ringwood.
Among other things, the 500-acre Ringwood Mines area encompasses the historic homeland of the Ramapough Lenape Nation, a Native American Tribe formally recognized by the State.

Many of the approximately 200 residents who live within Ringwood Mines are Tribe members, and the community meets the criteria for an 'overburdened community' as defined by New Jersey's Environmental Justice Law aimed at equitably protecting low-income, minority and/or non-English speaking communities from environmental pollution. The site at issue is known as the Ringwood Mines/Landfill Superfund Site.

The Toxic Legacy of Ford Motor Company

'Today we hold Ford accountable for Natural Resource Damages — for knowingly polluting some of the State's most precious environmental assets, then walking away without disclosing the toxic mess they had made or attempting to mitigate the harm,' said Acting Attorney General Platkin. 'To other corporate polluters and anyone else so inclined, our message is simple: treat New Jersey's air, land, and water like your own private dumping ground and we will not look the other way. We will hold you responsible, and we will make you pay.'

'No matter our race, income, or ancestry, every resident of the State of New Jersey is entitled to the good care and enjoyment of our natural, historic, and cultural resources,' Commissioner LaTourette said. 'When those resources are damaged by polluters who knew better and could do better, the State has a duty to step in on behalf of our residents and their resources to demand accountability. Today we make that demand of Ford for its history of polluting the land and degrading the natural resources that belong to the people of New Jersey, including those once enjoyed by members of the Ramapough Lenape Nation for whom we must further the promise of environmental justice.'

Filed today in New Jersey Superior Court, the State's lawsuit alleges that Ford purchased Ringwood Mines in 1965 for the express purpose of using it as a landfill where it could dispose of hazardous waste generated by its auto assembly plant in Mahwah - at one time the largest auto assembly plant in the U.S.

Between 1967 and 1974, the complaint recounts, Ford disposed thousands of tons of toxic paint sludge in the forests and on the grounds within Ringwood Mines, as well as in its abandoned mineshafts and pits. Multiple other pollutants were dumped there as well, including various non-liquid pollutants and waste stored in drums.

Subsequently, Ford either donated or sold off all of its contaminated Ringwood Mines properties while fully aware - but without disclosing - that those properties were contaminated with hazardous and toxic wastes, the complaint notes.

Ford's actions were 'deliberate acts or omissions taken with a wanton and willful disregard for the welfare of the residents of New Jersey' and caused harm to the air, soil, groundwater, surface water, wetlands, and biota within Ringwood Mines, threatening human health, wildlife and aquatic life in the process.

Harmful substances found at the site include lead, arsenic, benzene, polychlorinated biphenyls (PCBs), semi-volatile organic compounds, chrysene and 1,4 dioxane, a colorless solvent believed to be a carcinogen, as well as other pollutants.

The contaminated property at issue includes abandoned pits, inactive landfills, open waste dumps and mineshafts. The property also includes a municipal recycling center, a municipal garage and 48 private homes, as well as a portion of Ringwood State Park.

In 1970, Ford donated 290 acres of the site to Ringwood Borough, which used the donated acreage for a landfill. Ford also donated 190 acres to DEP, which subsequently added the donated acreage to Ringwood State Park.

Between 1983 and 1994, EPA listed the property on its National Priorities List. The site was deleted from the list in 1994 following Ford's removal of about 8,300 cubic yards of paint sludge and soil.

However, newly discovered pockets of paint sludge were found on site in 1995, 1998 and 2004, and DEP testing of nearby residential properties in 2005 showed elevated lead levels in the soil.

In light of DEP's discovery, lead-impacted soil and paint sludge were removed from affected residential properties. Beginning in 2006, EPA reinstated Ringwood Mines to the National Priorities List.

In 2019, Ford agreed to pay the State $2.1 million to cover DEP's past costs related to cleanup and disposal of the paint sludge and other contaminants within Ringwood Mines. The $2.1-million payment was part of a state-federal settlement that resolved allegations of liability for costs incurred by both DEP and the EPA as a result of Ford's long-term dumping.

The same 2019 settlement called for Ford to perform cleanup work in a specific portion of the Ringwood Mines property designated as Operable Unit 2, and involved remediation of sections known as the Peters Pit Mine Area, the Cannons Mine Pit Area, and the O'Connor Disposal Area.

In addition to seeking compensation for lost natural resources, today's lawsuit seeks punitive damages and penalties due to Ford's 'wanton and willful disregard for the people of New Jersey' as shown by its discharge of

hazardous substances directly into the environment, failure to notify DEP of those discharges, and Ford's ongoing 'concealment of the full extent of the contamination.'

The multi-count lawsuit specifically alleges violations of New Jersey's Spill Compensation and Control Act, Water Pollution Control Act, and Solid Waste Management Act, and also includes common law claims of strict liability, negligence, public nuisance and trespass.

Public Documents:

RECORD OF DECISION Ringwood Mines/Landfill Superfund Site Operable Unit Three, US EPA, Sept. 29. 2020[1]

Complaint:

N.J. DEPT. OF ENV. PROTECTION VS FORD MOTOR COMPANY[2]

Recommended Citation: Gelman, Jon L., The Toxic Legacy of Ford Motor Company, Workers' Compensation Blog, June 20,2022),https://workers-compensation.blogspot.com/2022/06/the-toxic-legacy-of-ford-motor-company.html[3]

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Jon L. Gelman[10]of Wayne, NJ, is the author ofNJ Workers' Compensation Law[11](Thomson-Reuters) and co-author of the national treatise,Modern Workers' Compensation Law[12](Thomson-Reuters). For over five decades, theLaw Offices of Jon L Gelman[13] 1.973.696.7900 jon@gelmans.com [14] have represented injured workers and their families who have sufferedoccupational accidents and illnesses[13].;

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Author:"Workers' Compensation Law"[19]Thomson-Reuters

[1]: https://semspub.epa.gov/work/02/615708.pdf [2]: http://N.J.%20DEPT.%20OF%20ENV.%20P%20ROTECTION%20VS%20FORD%20MOTOR%20COM [3]: https://workers-compensation.blogspot.com/2022/06/the-toxic-legacy-of-ford-motor-company.html [4]: https://workers-compensation.blogspot.com/2022/06/is-medicare-for-all-prescription-for.html [5]: https://workers-compensation.blogspot.com/2022/06/federal-court-roundup-subject-to-us-epa.html [6]: https://workers-compensation.blogspot.com/2022/06/nj-landscaper-ordered-by-federal-court.html [7]: https://workers-compensation.blogspot.com/2022/06/burn-pit-benefits-us-senate-passed-pact.html [8]: https://workers-compensation.blogspot.com/2022/06/osha-fines-robbinsville-nj-368k-for.html [9]: https://workers-compensation.blogspot.com/2022/06/covid-19-on-brain-neurological-symptoms.html [10]: http://www.gelmans.com/Firm/Bios/tabid/69/Default.aspx [11]: http://store.westlaw.com/workers-compensation-law-3d-vols-38-39a-new-jersey-practice/722/17152728/productdetail [12]: http://store.westlaw.com/modern-workers-compensation/2339/13515915/productdetail [13]: http://www.gelmans.com/PracticeAreas/WorkersCompensation/tabid/64/Default.aspx [14]: https://mail.google.com/mail/?view=cm&fs=1&tf=1&to=jon@gelmans.com [15]: https://workers-compensation.blogspot.com/ [16]: https://twitter.com/jongelman [17]: https://www.linkedin.com/in/jongelman [18]: https://www.linkedin.com/groups/82861/ [19]: https://store.legal.thomsonreuters.com/law-products/Practice-Materials/Workers-Compensation-Law-3d-Vols-38---39A-New-Jersey-Practice-Series/p/100030113

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Load-Date: July 19, 2022

End of Document

Ford Says Mileage, Pollution Probes Have Ended

Indian Manufacturing News

February 9, 2021 Tuesday

Length: 184 words

Dateline: New Delhi, 2021-02-09 09:50:30

Body

February 09 -- The U.S. Justice Department and state of California have ended investigations into Ford Motor Co.'s gas mileage and emissions certification processes.

Ford says in its annual report filed with the Securities and Exchange Commission on Friday that the DOJ and the California Air Resources Board told the company they don't intend to take further action.

But the filing says probes by the U.S. Environmental Protection Agency and its Canadian counterpart are continuing.

In 2018 a group of Ford employees reported possible problems with a mathematical model used to calculate pollution and mileage, prompting Ford to hire an outside firm to run tests. In 2019 Ford launched an investigation into whether it overstated gas mileage and understated emissions from a wide range of vehicles. The company disclosed the matter to the EPA and CARB.
The Justice Department later opened the criminal investigation.
Ford said in a statement Friday that the DOJ and CARB findings are "consistent with the company's own investigation and conclusion that we appropriately completed our certification processes."

Load-Date: February 9, 2021

Ford to Invest in KY & TN with Mega Campus and Twin Battery Plants

Newstex Blogs

AUTO Connected Car News

September 28, 2021 Tuesday 12:06 AM EST

Length: 1552 words

Byline: Gilbert Shar

Body

Sep 27, 2021(AUTO Connected Car News: http://www.autoconnectedcar.com Delivered by Newstex)

https://www.autoconnectedcar.com/wp-content/uploads/2021/08/Altair_Enlighten_Award_Winner_Ford_Motor_Company_Newsroom_1.jpgWinner, Sustainable Product - Vehicle: Ford Motor Company, 2021 Ford Mustang Mach-E emits zero CO2 while driving and has a 100 percent vegan interior.

Ford Motor Company is announcing plans to bring electric vehicles at scale to American customers with two new massive, environmentally and technologically advanced campuses in Tennessee and Kentucky that will produce the next generation of electric F-Series trucks and the batteries to power future electric Ford and Lincoln vehicles.

Ford plans to make the largest ever U.S. investment in electric vehicles at one time by any automotive manufacturer and, together with its partner, SK Innovation, plans to invest $11.4 billion and create nearly 11,000 new jobs at the Tennessee and Kentucky mega-sites, strengthening local communities and building on Ford's position as America's leading employer of hourly autoworkers.

An all-new $5.6 billion mega campus in Stanton, Tenn., called Blue Oval City, will create approximately 6,000 new jobs and reimagine how vehicles and batteries are manufactured.

Blue Oval City will become a vertically integrated ecosystem for Ford to assemble an expanded lineup of electric F-Series vehicles and will include a BlueOvalSK battery plant, key suppliers and recycling. Ford's new Tennessee assembly plant is designed to be carbon neutral with zero waste to landfill once fully operational.

In central Kentucky, Ford plans to build a dedicated battery manufacturing complex with SK Innovation - the $5.8 billion BlueOvalSK Battery Park - creating 5,000 jobs. Twin battery plants on the site are intended to supply Ford's North American assembly plants with locally assembled batteries for powering next-generation electric Ford and Lincoln vehicles. Investments in the new Tennessee and Kentucky battery plants are planned to be made via BlueOvalSK, a new joint venture to be formed by Ford and SK Innovation, subject to definitive agreements, regulatory approvals and other conditions.

'This is a transformative moment where Ford will lead America's transition to electric vehicles and usher in a new era of clean, carbon-neutral manufacturing,' said Ford Executive Chair Bill Ford. 'With this investment and a spirit of innovation, we can achieve goals once thought mutually exclusive - protect our planet, build great electric vehicles Americans will love and contribute to our nation's prosperity.'

This news comes amid strong demand for the all-new Ford F-150 Lightning truck, E-Transit and Mustang Mach-E electric vehicles, and is on top of Ford's recent announcement to expand production capacity and add jobs at the Ford Rouge Electric Vehicle Center in Dearborn, Mich.

'This is our moment - our biggest investment ever - to help build a better future for America,' said Jim Farley, Ford president and CEO. 'We are moving now to deliver breakthrough electric vehicles for the many rather than the few.

It's about creating good jobs that support American families, an ultra-efficient, carbon-neutral manufacturing system, and a growing business that delivers value for communities, dealers and shareholders.'

Ford's $7 billion investment is the largest ever manufacturing investment at one time by any automotive manufacturer in the U.S. Part of Ford's more-than-$30 billion investment in electric vehicles through 2025, this investment supports the company's longer-term goal to create a sustainable American manufacturing ecosystem, and to accelerate its progress towards achieving carbon neutrality, backed by science-based targets in line with the Paris Climate Agreement. Overall, Ford expects 40% to 50% of its global vehicle volume to be fully electric by 2030.
'We are proud to be partnering with Ford as they open a new chapter in automobile history,' said Dongseob Jee, president of battery business, SK Innovation. 'We are excited to be taking this decisive leap together, as partners, and to bring about our common vision for a cleaner planet. Our joint venture, BlueOvalSK, will embody this spirit of collaboration. We look forward to growing our trust-based partnership by delivering on our market-leading value proposition, experience and cutting-edge expertise.'

All-new Ford Blue Oval City

Reimagining how electric vehicles - and the batteries that power them - are designed, manufactured and recycled, Ford is creating an all-new electric vehicle manufacturing ecosystem.
Blue Oval City will be among the largest auto manufacturing campuses in U.S. history. Like the iconic Rouge complex in Michigan did a century earlier, Blue Oval City will usher in a new era for American manufacturing.

The 3,600-acre campus covering nearly 6 square miles will encompass vehicle assembly, battery production and a supplier park in a vertically integrated system that delivers cost efficiency while minimizing the carbon footprint of the manufacturing process. The assembly plant will use always-on cloud-connected technologies to drive vast improvements in quality and productivity. The mega campus is designed to add more sustainability solutions, including the potential to use local renewable energy sources such as geothermal, solar and wind power.
'West Tennessee is primed to deliver the workforce and quality of life needed to create the next great American success story with Ford Motor Company and SK Innovation,' said Tennessee Gov. Bill Lee. 'This is a watershed moment for Tennesseans as we lead the future of the automotive industry and advanced manufacturing.'
Creating approximately 6,000 jobs, Blue Oval City will be a hive of technical innovation to build next-generation electric F-Series trucks. This growth opportunity will allow Ford to reach new customers with an expanded electric truck lineup.
'Blue Oval City's assembly plant will harness Ford's global manufacturing expertise and cutting-edge technologies to deliver cost efficiencies and the quality that our customers expect,' said Kumar Galhotra, Ford president, Americas & International Markets Group. 'This will enable Ford to lead in the race to bring dependable, affordable and advanced electric vehicles to even more Americans.'

Bigger assembly plant, smaller environmental impact

Despite its size, the assembly plant at Blue Oval City is designed to have as minimal an impact as possible on the surrounding environment - and even to generate positive impacts. The assembly plant's goal is to have a regenerative impact on the local environment through biomimicry in design of the facility. From the start of production in 2025, Ford's goal is for the assembly plant to be carbon neutral.

Through an on-site wastewater treatment plant, the assembly plant aspires to make zero freshwater withdrawals for assembly processes by incorporating water reuse and recycling systems. Zero-waste-to-landfill processes will capture materials and production scrap at an on-site materials collection center to sort and route materials for recycling or processing either at the plant or at off-site facilities once the plant is operational.

Ford is collaborating with Redwood Materials, a leading battery materials company, to make electric vehicles more sustainable and affordable for Americans by localizing the supply chain network, creating recycling options for scrap and end-of-life vehicles, and ramping up lithium-ion recycling. Ford believes battery recycling is essential for the success of an electrified future and has the potential to offer significant economic benefits as well as help solve for end-of-life battery recycling.

BlueOvalSK Battery Park

Joining the Ford electric manufacturing revolution is a planned $5.8 billion, 1,500-acre BlueOvalSK battery manufacturing campus in Glendale, Ky., which is targeted to open in 2025.

Twin co-located plants will be capable of producing up to 43 gigawatt hours each for a total of 86 gigawatt hours annually. Together, these American-made batteries will power next-generation electric Ford and Lincoln vehicles.

Bringing 5,000 new jobs to Kentucky, BlueOvalSK Battery Park will be centrally located to support Ford's North American assembly plants' footprint.

'We thank Ford Motor Company and SK Innovation for their investment in Team Kentucky,' said Kentucky Gov. Andy Beshear. 'This is the single largest investment in the history of our state and this project solidifies our leadership role in the future of the automotive manufacturing industry. It will transform our economy, creating a better Kentucky, with more opportunities, for our families for generations. Our economy is on fire - or maybe it's electric. Our time is now. Our future is now.'

Technician investments in Texas and the U.S.

Ford is investing $90 million in Texas alone as part of a $525 million total investment across the U.S. during the next five years to transform America's auto technician industry. The investment will go toward job training and career readiness initiatives for the current and next generation of technicians. These programs aim to develop highly skilled technicians and will support Ford's growing portfolio of connected electric vehicles.

Load-Date: September 27, 2021

Ford announces huge US investment for batteries and EVs with SK

MarketLine NewsWire (Formerly Datamonitor)

September 28, 2021 Tuesday 9:44 AM GMT

Section: UNITED STATES

Length: 1386 words

Highlight: Ford has announced plans for two new manufacturing facilities in Tennessee and Kentucky that will produce the next generation of electric F-Series trucks and the batteries to power future electric Ford and Lincoln vehicles.

Body

Ford said it plans to make the largest ever US investment in electric vehicles at one time by any automotive manufacturer and, together with its partner, SK Innovation, plans to invest $11.4 billion and create nearly 11,000 new jobs at the Tennessee and Kentucky sites. Investments in the new Tennessee and Kentucky battery plants are planned to be made via BlueOvalSK, a new joint venture to be formed by Ford and SK Innovation, subject to definitive agreements, regulatory approvals and other conditions. A $5.6 billion mega campus will be created in Stanton, Tennessee, called Blue Oval City, will create approximately 6,000 new jobs. Blue Oval City will become a vertically integrated ecosystem for Ford to assemble an expanded lineup of electric F-Series vehicles and will include a BlueOvalSK battery plant, key suppliers and recycling. Ford's new Tennessee assembly plant is designed to be carbon neutral with zero waste to landfill once fully operational.

In central Kentucky, Ford plans to build a dedicated battery manufacturing complex with SK Innovation - the $5.8 billion BlueOvalSK Battery Park - creating 5,000 jobs. Twin battery plants on the site are intended to supply Ford's North American assembly plants with locally assembled batteries for powering next-generation electric Ford and Lincoln vehicles. "This is a transformative moment where Ford will lead America's transition to electric vehicles and usher in a new era of clean, carbon-neutral manufacturing," said Ford Executive Chair Bill Ford. "With this investment and a spirit of innovation, we can achieve goals once thought mutually exclusive - protect our planet, build great electric vehicles Americans will love and contribute to our nation's prosperity." Ford has reported strong demand for its new Ford F-150 Lightning truck, E-Transit and Mustang Mach-E electric vehicles and already said it plans to expand production capacity and add jobs at the Ford Rouge Electric Vehicle Center in Dearborn, Mich. "This is our moment - our biggest investment ever - to help build a better future for America," said Jim Farley, Ford president and CEO. "We are moving now to deliver breakthrough electric vehicles for the many rather than the few. It's about creating good jobs that support American families, an ultra-efficient, carbon-neutral manufacturing system, and a growing business that delivers value for communities, dealers and shareholders." Ford says its $7 billion investment is the largest ever manufacturing investment at one time by any automotive manufacturer in the US. Part of Ford's more-than-$30 billion investment in electric vehicles through 2025, this investment supports the company's longer-term goal to create a sustainable American manufacturing ecosystem, and to accelerate its

progress towards achieving carbon neutrality, backed by science-based targets in line with the Paris Climate Agreement. Overall, Ford expects 40% to 50% of its global vehicle volume to be fully electric by 2030. "We are proud to be partnering with Ford as they open a new chapter in automobile history," said Dongseob Jee, president of battery business, SK Innovation. "We are excited to be taking this decisive leap together, as partners, and to bring about our common vision for a cleaner planet. Our joint venture, BlueOvalSK, will embody this spirit of collaboration. We look forward to growing our trust-based partnership by delivering on our market-leading value proposition, experience and cutting-edge expertise." All-new Ford Blue Oval City Reimagining how electric vehicles - and the batteries that power them - are designed, manufactured and recycled, Ford says it is creating an all-new electric vehicle manufacturing ecosystem. Blue Oval City will be among the largest auto manufacturing campuses in US history and Ford claims it will usher in a new era for American manufacturing. The 3,600-acre campus covering nearly 6 square miles will encompass vehicle assembly, battery production and a supplier park in a vertically integrated system that delivers cost efficiency while minimizing the carbon footprint of the manufacturing process. The assembly plant will use always-on cloud-connected technologies to drive vast improvements in quality and productivity. The mega campus is designed to add more sustainability solutions, including the potential to use local renewable energy sources such as geothermal, solar and wind power. "West Tennessee is primed to deliver the workforce and quality of life needed to create the next great American success story with Ford Motor Company and SK Innovation," said Tennessee Gov. Bill Lee. "This is a watershed moment for Tennesseans as we lead the future of the automotive industry and advanced manufacturing." Creating approximately 6,000 jobs, Blue Oval City will build next-generation electric F-Series trucks. This growth opportunity will allow Ford to reach new customers with an expanded electric truck lineup, it says. "Blue Oval City's assembly plant will harness Ford's global manufacturing expertise and cutting-edge technologies to deliver cost efficiencies and the quality that our customers expect," said Kumar Galhotra, Ford president, Americas & International Markets Group. "This will enable Ford to lead in the race to bring dependable, affordable and advanced electric vehicles to even more Americans." Bigger assembly plant, smaller environmental impact Despite its size, the assembly plant at Blue Oval City is designed to have as minimal an impact as possible on the surrounding environment - and even to generate positive impacts. 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Load-Date: October 11, 2021

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