

PROJECT AT A GLANCE

Catalyzing climate action in critical ecosystems

Dow teams up with Restore the Earth Foundation to help breathe new life into “North America’s Amazon” through the replanting of native trees



Project Name: Nature-based solutions for a positive climate legacy

Project Description: Replanting of 400 acres of trees in the Pointe-aux-Chenes Wildlife Management Area to help restore a critical ecosystem

Project Start: 2019

Crediting Period: Project Lifetime, 40 years

Collaborators: International Olympic Committee (IOC) & Restore the Earth Foundation, Inc.

Location: Pointe-aux-Chenes Wildlife Management Area

Why Beyond Business as Usual? Accelerates adoption of nature-based solutions in critical U.S. wetland ecosystem, while offering carbon reduction, improved water quality, enhanced wildlife habitat and increased social and economic value.

over 200,000 coastal residents from future storms through enhanced buffering capacity and surge absorption functions of healthy coastal forests and wetlands inside levee protection systems.

Taking tangible action to breathe new life into this critical area requires collaboration and sustained partnership. As a part of Dow’s carbon partnership with the International Olympic Committee (IOC), which encourages organizations to adopt programs for reducing carbon emissions, Dow teamed up with Restore the Earth Foundation to help replant 400 acres of native bald cypress trees in the Pointe-aux-Chenes WMA of Montegut, Louisiana.

Nature’s Most Valuable Asset

Dow’s commitment to this private-public collaboration with Restore the Earth Foundation began as a greater interest in engaging with the southern region of the United States, specifically Louisiana, due to the Company’s significant presence in the state with four major operational sites – St. Charles, Plaquemine, Grand Bayou and Greensburg.

What followed was a journey of discovery into the critical nature of the wetland, its industry, wildlife and subsequent fragility to the effects of climate change. In fact, increasing rates of sea level rise are projected to affect Louisiana over the next 50 years, and without strong protective coastal ecosystems, this will result in more frequent and dramatic flooding events and higher storm surge for the region’s human and animal communities.²

To help play its part in protecting this coastal region in its backyard, Dow chose to team up with Restore the Earth Foundation in their effort to restore 4,000 acres of critical bald cypress forest. Within Dow’s specific agreement with Restore the Earth Foundation, an estimated 80,000 tonnes of carbon dioxide emissions reductions will be produced over a 40-year period.

In addition to carbon sequestration and verified carbon credits, this project is anticipated to generate a significant impact on water quality and biodiversity benefits with a total of \$22 million in environmental, social and economic value in the region, as estimated by Restore the Earth’s [EcoMetrics Model](#) and outlined in the [Cypress Reforestation Social Return on Investment Report](#).

Big Impact in the Bayou State

The Amazon. The Congo. The Mississippi. These three rivers represent the largest watersheds on Earth. They also share a common thread of being degraded or destroyed by human and industrial development and major weather events. In fact, 80% of wetland loss in the United States is located in the Mississippi River Basin, primarily in Louisiana.¹ Louisiana’s vulnerable coastal region wetlands represent 40% of the wetlands in the United States – an area that took a hard hit after Hurricane Katrina, accelerating major forest and habitat deterioration, and loss of native wildlife.

Within Louisiana is the Pointe-aux-Chenes Wildlife Management Area (WMA). The site is an essential ecosystem that includes diverse physical, biological and socioeconomic resources. It is the largest remaining land mass that could protect coastal communities from the open waters of the Gulf of Mexico. Restoration of a historic cypress forest is essential to help to curb the impact of global climate change through carbon capture, and containing key resources which support local communities, industries and millions of jobs. It also offers the first and last line of defense to protect

¹<http://restoretheearth.org/projects/?ofdl=4525>

²<https://sealevel.climatecentral.org/uploads/ssrf/LA-Report.pdf>

Research, Regulate, Restore

As climate change continues to pose a real threat to civilization, the need for natural, long-term solutions to combat greenhouse gases and support reforestation is critical.

To help ensure that this particular project is one of the most fail-proof of the planting programs in the U.S., Restore the Earth Foundation conducted more than six years of extensive research into the types of trees, location, planting time, growth conditions, survival rate and follow-up protocol. The research doesn't stop there. As a part of its partnership with Restore the Earth Foundation, Dow aims to enable additional opportunities to expand awareness of current opportunities to increase collaboration with regulatory bodies in the southern region of the United States, yielding benefits to both industry and environment.

How far does the impact of this partnership reach? It goes far beyond the day-to-day operations of a materials science company. It extends past the 400 acres of replanted bald cypress trees. And, it goes further than balancing the IOC's operational footprint. The agreement between Dow and Restore the Earth serves as a unifying force, helping to bring more stakeholders to the table and accelerate adoption of low-carbon solutions in business operations around the globe. It leaves a legacy of nature-focused solutions and challenges similar organizations to follow Dow's blueprint for climate action through cross-sector collaboration. If we're going to realize a better future for our planet, it's going to take dedication and a lot of hard work. Together, we stand a chance.

Dow-IOC official carbon partnership: combining the power of sport and science for a more sustainable future

Dow is a Worldwide Partner and the Official Chemistry Company of the Olympic Movement. In 2017, Dow was appointed the Official Carbon Partner of the International Olympic Committee (IOC) to develop carbon mitigation programs using science to create carbon savings that are applied to balance the operational carbon footprint of the IOC. Dow is collaborating with customers, value chain partners and industry leaders to work together to introduce innovative low-carbon technologies in the sectors of Buildings & Infrastructure, Food & Packaging and Manufacturing & Energy. These mitigation projects are tailored to the technology needs of the various geographic regions and help to accelerate the adoption of more sustainable technologies across different sectors and value chains. The program and carbon reductions are verified by a third party, Environmental Resources Management.

Be part of the program

As part of the Dow-IOC Carbon Partnership, we seek to deploy better technologies that reduce costs and promote resource-efficient processes. We invite industry leaders who would like to gain competitive differentiation, enhance sustainability expertise and be climate leaders to work with Dow and other technical experts to improve the economic and environmental profile of their operations and solutions.

Learn more at <https://corporate.dow.com/en-us/about/partnerships/sports/sustainability/ioc-carbon-partner.html>.



OFFICIAL CARBON PARTNER

About Dow

Dow (NYSE: DOW) combines one of the broadest technology sets in the industry with asset integration, focused innovation and global scale to achieve profitable growth and become the most innovative, customer-centric, inclusive and sustainable materials science company. Dow's portfolio of performance materials, industrial intermediates and plastics businesses delivers a broad range of differentiated science-based products and solutions for our customers in high-growth segments, such as packaging, infrastructure and consumer care. Dow operates 113 manufacturing sites in 31 countries and employs approximately 37,000 people. Dow delivered pro forma sales of approximately \$50 billion in 2018. References to Dow or the Company mean Dow Inc. and its subsidiaries. For more information, please visit www.dow.com or follow @DowNewsroom on Twitter.

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