



Supporting the Working Coast Through Innovative Public-Private Partnerships

The Greater Lafourche Port Commission (GLPC) operates Port Fourchon, the nation's premier oil and gas services port which services more than 90 percent of all U.S. Gulf of Mexico deepwater offshore energy production activities.

In 2016, the GLPC formally announced its plans to obtain federal regulatory approval to deepen Belle Pass at the mouth of Bayou Lafourche to a target depth of -50 feet in order to provide an additional port facility capable of handling the heavy maintenance,

refurbishment, and decommissioning needs of the deepwater energy industry.

This large-scale dredging project will generate tens of millions of cubic yards of material over its lifespan.

The GLPC has made it clear that they intend to see this material used beneficially for the project's development, environmental mitigation obligations, potential carbon sequestration, and as an integral and renewable borrow source for coastal restoration and protection initiatives locally.

OVERVIEW

Purpose: Using a Public-Private Partnership to develop a science-based plan for the use of port dredged material to provide additional flood and storm risk reduction for critical infrastructure and nearby vulnerable communities.

Current Partners: The Water Institute of the Gulf, Port Fourchon, Shell, Chevron, and Danos.

Outcome: A win-win for energy independence, industry, and security by using dredge material beneficially to provide protection to vital infrastructure and communities while also providing enhanced ecosystem benefits.

**The Institute is a certified Delft3D Modeling Center.*



Project goal

Energy industry partners Chevron, Shell, and Danos along with GLPC and The Water Institute of the Gulf came together to form the Partnership for Our Working Coast which takes a science-based approach to maximizing the benefits of coastal restoration efforts to protect energy assets and critical infrastructure as a vital component of industry's risk management and sustainability business drivers.

In close collaboration with companies to determine what areas in and around the port were most important from a critical infrastructure and asset protection perspective, the group has focused its efforts on science and engineering to answer questions around the port concerning:

(a) options for optimizing the placement of beneficially-used dredged material to create nature-based defenses for critical infrastructure and communities

(b) land subsidence

(c) quantification of the potential for blue carbon capture and sequestration potential of the coastal ecosystems created using the dredged material

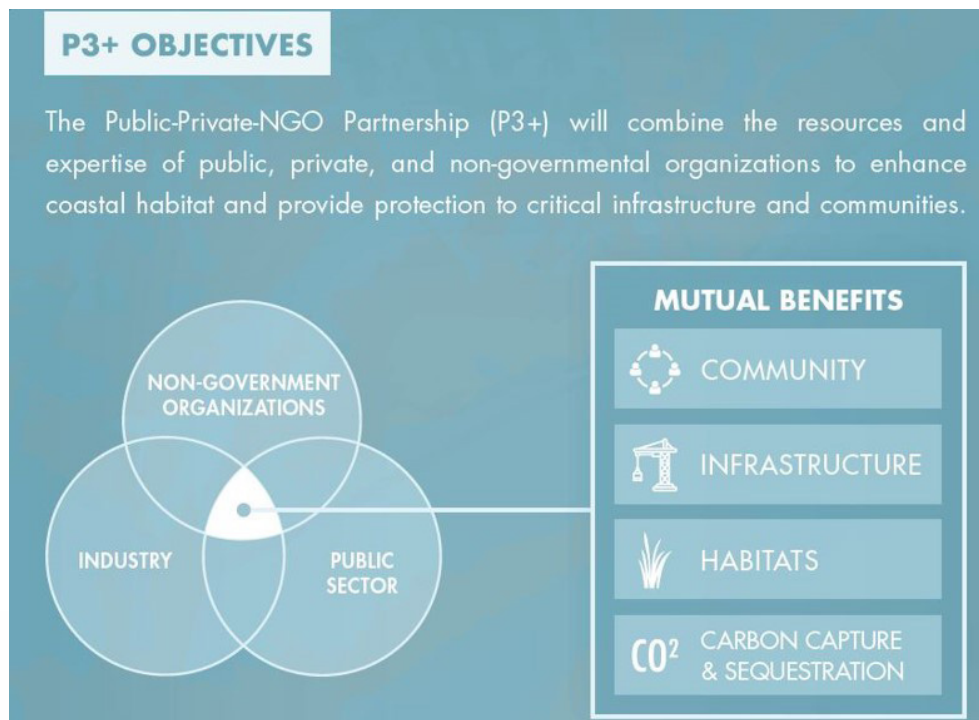
(d) community resilience.

Moving forward

This innovative partnership is working to recruit additional members for future work as plans move forward on implementing Phase Two of this Partnership for Our Working Coast initiative.

This effort will contribute to Louisiana's coastal sustainability efforts, protect coastal communities, and support America's Working Coast.

For more information about the Partnership for Our Working Coast visit www.partnershipforourworkingcoast.com.



LET'S WORK TOGETHER

We look forward to the chance to work with you to understand and predict future conditions, as well as potential solutions, so that you can make the decisions regarding which investments are needed for the long-term sustainability of your interests – from infrastructure, to communities, to the environment.

For more information about the Partnership for Our Working Coast is available at <https://thewaterinstitute.org/projects/partnership-for-our-working-coast>.