PARTNERSHIP FOR OUR WORKING COAST
Putting Public-Private Partnerships to Work…

Supporting the Working Coast
Mitigation and Restoration

At Port Fourchon, mitigation is done in a way which restores the historic landscape.
Green Infrastructure = Resiliency

This once vibrant marsh and cheniere ridge platform had degraded into open water, and through the mitigation works completed in conjunction with the expansion of the Port, nearly 1,000 acres of wetlands have been restored to the landscape to date.
Louisiana’s State Coastal Master Plan

- 50 year, $50 Billion Ecosystem Level
- Over $300 M committed or constructed in vicinity of Port Fourchon under 2012 plan
- Redrawn every 5 years
- Approved by Legislature
- All LA enviro $ from Deepwater Horizon are dedicated to Master Plan projects
Deepwater Draft s203
Feasibility Study

- Deepen Belle Pass to -50’
- Deepen Bayou Lafourche, Flotation Canal, Northern Expansion to -30’
- Purpose-built Deepwater Rig Repair and Refurbishment
- ~20M cubic yards of fill construction
• Public-private partnership brings together industry and port with *The Water Institute of the Gulf*
• Driven by industry partners with the vision of protecting and growing America’s Energy Infrastructure by beneficially using dredge materials
• Science expertise at the Institute used to plan for best placement of dredge material to provide maximum protection for critical infrastructure using world-class science
Cutting Edge Science

• TWI is utilizing Delft3D and other modelling to assist s203 project team with:
  • Sedimentation modelling
  • Beneficial use of dredge materials placement
  • WVA analysis
The Chevron Way

vision
At the heart of The Chevron Way is our vision ... to be the global energy company most admired for its people, partnership and performance.

getting results the right way
Find out more at: http://chevronway.chevron.com

enabling human progress
We develop the energy that improves lives and powers the world forward.
Chevron in the Gulf of Mexico
Business Objectives
Chevron in the Gulf of Mexico
Social Objectives

**Health & Social Well-Being**
Contribute to the reduction of the main causes of mortality by promoting healthy quality of life among children and the elderly and providing access to nutritious food.

**Education**
Improve and expand access to quality hands-on STEM education for at-risk youth driving workforce and post-secondary readiness.

**Economic Development**
Support programs that positively impact local jobs, income, or livelihoods and create opportunities for local minority owned and small businesses; promote tourism and culture.

**Environment**
Increase Chevron's participation and visibility in public-private partnerships that support coastal restoration projects and land-loss issues in coastal parishes.
Approach to Environmental Stewardship

Participation in public-private partnerships

Alignment with Louisiana’s Coastal Master Plan

Identify environmental issues / challenges

Collaborate with strong, knowledgeable and experienced partners

Execute with clear milestones, tangible results, and a focus on sustainability

Measure performance with high quality data and share lessons learned
## Commitment to the Environment

<table>
<thead>
<tr>
<th>Partner</th>
<th>Environmental Initiatives:</th>
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<tbody>
<tr>
<td>Louisiana Nature Conservancy</td>
<td>• Oyster reef preservation&lt;br&gt;• Coastal restoration and monitoring&lt;br&gt;• Restoration and monitoring&lt;br&gt;• Vermilion Bay, Grand Isle and St. Bernard Parish</td>
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<tr>
<td>Restore and Retreat</td>
<td>• Expand advocacy and outreach&lt;br&gt;• Preserve coast, community &amp; culture&lt;br&gt;• Coastal restoration projects(Terrebonne and Barataria Basins)</td>
</tr>
<tr>
<td>The Water Institute</td>
<td>• Two projects in Port Fourchon&lt;br&gt;• Enhance coastal habitats&lt;br&gt;• Protect infrastructure and communities</td>
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<tr>
<td>Woodlands Conservancy</td>
<td>• &quot;Seeds to Saplings&quot; environmental education program&lt;br&gt;• Value of watersheds and forested wetlands&lt;br&gt;• Restoration planting in an &quot;outdoor classroom&quot;</td>
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<tr>
<td>America’s Wetland Foundation</td>
<td>• Collaborate on Louisiana coastal issues&lt;br&gt;• Gulf Intracoastal Waterway Shoreline Stabilization and Restoration Project in Lafourche Parish</td>
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<tr>
<td>Coastal Conservation Association</td>
<td>• Support coastal restoration and protect marine fisheries habitat&lt;br&gt;• Construction of West End artificial reef and fishing pier in Orleans Parish&lt;br&gt;• Reef enhancements at Red Fish Pointe (Vermilion Bay) and Point Mast (Terrebonne Bay)</td>
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<tr>
<td>Louisiana Department of Wildlife and Fisheries and Foundation</td>
<td>• Whooping crane repopulation program</td>
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<th>Partner</th>
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<tr>
<td>Audubon Nature Institute</td>
<td>• Live Oak Tree Program planted of 22 oak trees.&lt;br&gt;• AquaVan –brings the Audubon Aquarium to schools.</td>
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<tr>
<td>South Louisiana Wetlands Discovery Center</td>
<td>• Youth Summit&lt;br&gt;• World Wetlands Day&lt;br&gt;• “iRestore” Media Literacy program&lt;br&gt;• Vanishing Points Website</td>
</tr>
<tr>
<td>LSU Coastal Sustainability Studio</td>
<td>• Problem solving for critical coastal issues&lt;br&gt;• Louisiana Community Resilience Institute&lt;br&gt;• Resiliency design, advocacy and project assistance planning</td>
</tr>
<tr>
<td>Ducks Unlimited</td>
<td>• installation of small water control structures&lt;br&gt;• Rice Stewardship Program&lt;br&gt;• conservation - 81,000 acres of rice lands&lt;br&gt;• Restore/maintain waterfowl habitats&lt;br&gt;• 25 million birds that migrate through SW LA.</td>
</tr>
<tr>
<td>New Orleans Geological Society</td>
<td>• Graduate level research projects&lt;br&gt;• Predictive land loss models&lt;br&gt;• Surface fault traces</td>
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Social Investment

http://www.gomsocialinvestmentreport.com
https://gomsiportal.com
Thank You
Partnerships towards Solutions

Ian Voparil

Business Impact & Continuity Manager – Gulf of Mexico, Upstream Deepwater
Shell in US and Louisiana

**Staff Counts**
- 2017 Employees: 4,230
- 2017 Pensioners: 4,011

**Social Investment**
- 2015-2017:
  - Social Investment: $13.8 million
  - Education: $2.5 million
  - Conservation: $3.7 million

**Procurement**
- 2017:
  - Procurement Spend: $1.55 billion
  - SWMBE*: $260.8 million

**664 State-Based Suppliers**
- 128 small women-minority business enterprises

**Tax**
- 2017:
  - Franchise Tax (2016): $9.7 million
  - Royalties: $120,000
  - Severance Tax: $10.8 million
  - Motor Fuels Tax*: $64.3 million
  - Environmental Fee: $185,000
  - Sales and Use Tax*: $48.5 million
  - Property Tax: $79.7 million
  - Total: $228.5 million

**Research and Development**
- 2017:
  - Universities and other research partners: $9.1 million

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LOOKING FORWARD....
FUTURE WITHOUT ACTION - YEAR 50

* From *Louisiana’s Comprehensive Master Plan for a Sustainable Coast* (2017, high scenario)
PHASE 1 ACTIVITIES

• Optimizing Beneficial Use of Dredge Materials
  – Sediment availability and preliminary site selection

• Subsidence Impact
  – Literature review and identified data gaps

• Blue Carbon
  – Examined feasibility of generating potential carbon credits