

Appendix A:

Project Narrative Documentation

**Comprehensive Strategy for Greenhouse Gas Mitigation
in St. John the Baptist Parish:**

**A Holistic Approach to Environmental Sustainability
and Climate Resilience**

Measure 1: Maurepas Swamp Hardwood Reforestation

Measure 2: Electrifying Transportation in St. John the Baptist Parish

Measure 3: Transitioning to Sustainable Waste Management

Measure 4: Belle Terre Streetscape & Stormwater Improvements

Comprehensive Strategy for Greenhouse Gas Mitigation in St. John the Baptist Parish:

A Holistic Approach to Environmental Sustainability and Climate Resilience

STAFF EXPERTISE

Jaclyn Hotard

Parish President, St. John the Baptist Parish

As Parish President, Hotard's main goals are addressing infrastructure issues, promoting economic development, and improving quality of life for residents through initiatives like expanding recreational opportunities. She sees the parish's greatest strengths as its resilient and compassionate people, as well as its strategic location between Baton Rouge and New Orleans with access to major transportation networks. In addition to her role as Parish President, Hotard also serves as the Chairwoman of the Regional Planning Commission's Board. In this capacity, she works closely with other parish and municipal leaders in the region to coordinate planning and development efforts. Hotard's leadership experience, commitment to her community (she previously served as a SJBPC councilwoman for 16 years prior to her tenure as parish president), and regional influence make her well-positioned to help secure and implement EPA Climate Reduction Grants for St. John the Baptist Parish and the surrounding areas.

Peter Montz, MBA

Chief Administrative Officer, St. John the Baptist Parish

Peter Mountz with his extensive tenure as Purchasing Director at St. John the Baptist Parish and previously with the St. John the Baptist Parish School Board, brings over three decades of invaluable experience in procurement and supply chain management. His profound understanding of purchasing within both the public sector and educational systems in LaPlace, LA, equips him with the unique insight and expertise necessary for the efficient acquisition of goods and services, crucial for the parish's ongoing and future projects.

Tara Lambeth, PhD, AICP, CFM

Planning and Zoning Director, St. John the Baptist Parish

Tara Lambeth, PhD, AICP, CFM, serves as the Planning and Zoning Director for St. John the Baptist Parish, bringing a wealth of expertise in community resilience, hazard mitigation, floodplain management, and adaptation planning. Her professional background encompasses a broad spectrum of responsibilities, including planning, permitting, coastal management, applied research, grant management, as well as community education and outreach, positioning her as a key asset in steering the parish towards sustainable development and resilience against environmental challenges.

Paige Falgoust

Communications Director, St. John the Baptist Parish

Ms. Falgoust as Communications Director for St. John the Baptist Parish, tasked with devising and executing an effective marketing strategy for the project, leveraging her expertise to manage

Comprehensive Strategy for Greenhouse Gas Mitigation in St. John the Baptist Parish:

A Holistic Approach to Environmental Sustainability and Climate Resilience

communications across media channels for both emergency and general updates, oversee the parish's digital presence including its website and social media, and collaborate closely with project coordinators, all while fulfilling her critical role as the emergency Public Information Officer to ensure timely and accurate information dissemination during crises. Her expertise will be vital to ensuring a robust and comprehensive marketing campaign for EV infrastructure.

Dov Block, CFM, Master of Urban and Regional Planning

Coastal and Water Management, St. John the Baptist Parish

Dov Block's expertise as the Coastal and Water Management Division Lead, including floodplain management, coastal zone administration, and stormwater management, makes him well-suited to develop and implement EPA climate grant projects. His background as a licensed Landscape Horticulturist with experience in sustainable landscaping and native plant selection will inform resilient reforestation and streetscape initiatives. Block's skills in community engagement and environmental education from prior roles will be invaluable for executing resident involvement and awareness campaigns central to the climate grant objectives.

Clayton Faucheux

Director of Public Works, St. John the Baptist Government

Clayton Faucheux brings a comprehensive blend of expertise in government operations, environmental management, and public infrastructure development. His background is marked by public service, including his role as a former councilman, and in the environmental sector with Motiva Enterprises, where he specialized in occupational health, safety, and environmental sustainability. Faucheux's educational foundation in business management and project management, paired with his certifications in quality and supply systems management, positions him as a pivotal figure in directing initiatives aimed at climate change reduction and sustainable development within the parish. His unique blend of industry experience, leadership qualities, and dedication to community welfare underscores the parish's capability to effectively implement the EPA Climate Reduction Grant with both vision and precision.

PAST PERFORMANCE

St. John the Baptist Parish has a strong track record of successfully managing and completing various environmental projects that demonstrate their expertise and commitment to sustainability.

Wetland Restoration and Preservation

- *Manchac Wetlands Restoration Project (2018-2022)*: The parish partnered with state and federal agencies to restore over 500 acres of degraded wetlands in the Manchac Swamp. This involved hydrological improvements, invasive species removal, and native plant reestablishment to improve habitat for wildlife and enhance the area's natural flood mitigation capabilities. [1]

- *Bonnet Carré Spillway Wetland Monitoring (2015-present)*: The parish has been actively monitoring the ecological impacts and recovery of wetlands affected by the periodic openings of

Comprehensive Strategy for Greenhouse Gas Mitigation in St. John the Baptist Parish:

A Holistic Approach to Environmental Sustainability and Climate Resilience

the Bonnet Carré Spillway, providing valuable data to guide future management and restoration efforts. [1]

Stormwater Management and Flood Mitigation

- *West Bank Drainage Improvement Project (2020-2021)*: The parish completed a major infrastructure project to upgrade the stormwater drainage system on the West Bank, installing new pumps, culverts, and detention ponds to enhance flood resilience for local communities. [1]

- *Comprehensive Drainage Master Plan (2018)*: The parish developed a detailed master plan to identify and prioritize critical drainage improvements across the region, guiding long-term investments in sustainable stormwater management. [1]

Renewable Energy and Energy Efficiency

- *Solar Panel Installation at Parish Facilities (2019-2020)*: The parish installed rooftop solar photovoltaic systems on several parish-owned buildings, including the courthouse and community centers, to reduce energy consumption and greenhouse gas emissions. [1]

- *LED Streetlight Conversion Program (2017-2018)*: The parish replaced over 5,000 traditional streetlights with energy-efficient LED fixtures, resulting in significant reductions in electricity usage and maintenance costs. [1]

These past projects demonstrate St. John the Baptist Parish's expertise in managing complex environmental initiatives, their commitment to sustainability, and their ability to successfully execute grant-funded programs.

Citations:

[1] <https://www.lobservateur.com/2019/10/09/st-john-the-baptist-parish-adopts-climate-resilience-strategy/>

Comprehensive Strategy for Greenhouse Gas Mitigation in St. John the Baptist Parish:

A Holistic Approach to Environmental Sustainability and Climate Resilience

Coalition to Restore Coastal Louisiana (CRCL)

CRCL is a non-profit organization that works at the state, local, and federal levels to ensure that restoring and protecting coastal Louisiana are top priorities. They work to address the dramatic effects of Louisiana's coastal land loss on the nation's energy, navigation, and fisheries interests, as well as the devastating impacts on local communities. Their work is described as "science-driven, on-the-ground" efforts to save Louisiana's coast, which is facing dramatic land loss.

CRCL's initiatives include:

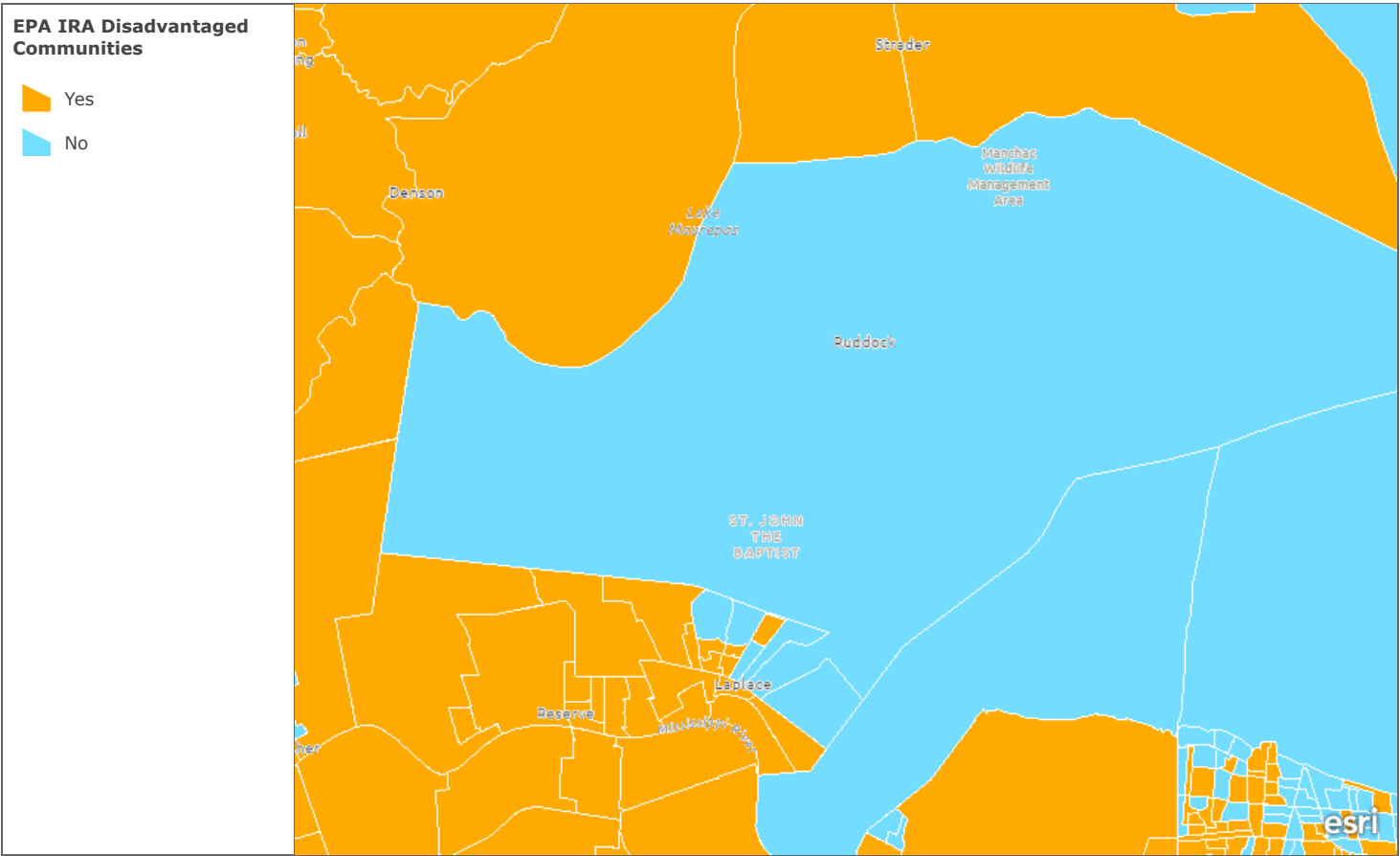
- Coastal Stewardship Awards to recognize heroes in the battle to save Louisiana's coast.
- An annual "Shell-A-Bration" event to celebrate the Oyster Shell Recycling Program, which collects shells from New Orleans restaurants to build oyster reefs and shoreline habitat.
- The Future Coastal Leaders initiative to prepare the next generation to preserve the coast.
- A Native Plants Program that promotes the use of indigenous plant species to stabilize soil, prevent erosion, filter water, and provide wildlife habitat.
- CRCL works through a web of partnerships to identify and propagate native plant species for coastal restoration efforts.

Past Projects:

Founded in 2000, CRCL's Native Plants Program (NPP), leads our efforts to restore Louisiana's coastal habitats by engaging volunteers and stakeholders to be a part of the solution. Our partnerships and events facilitate environmental stewardship by Louisiana industries, landowners, business leaders, residents and visitors. Since its creation, the NPP has engaged more than 15,000 volunteers and directly restored more than 4,500 acres of coastal wetlands in Louisiana. More than 1,000,000 plants have been planted since 2007. (<https://www.crcl.org/native-plants/>)

Our volunteers plant trees in coastal forests (such as cypress-tupelo swamp) to help reduce effects of storm surge and flooding, as well as improve water quality and create habitat for fish and wildlife. Coastal forests across Louisiana's coast offer protection from hurricanes and safeguard our communities. Tree planting events are usually held in the late fall and winter. CRCL often plants bald cypress (*Taxodium distichum*), red swamp maple (*Acer rubrum*), and water tupelo (*Nyssa aquatica*) for coastal forest restoration projects. The native trees that our volunteers plant will grow dense root systems that help hold the sediment in place, encourage land growth and reduce the impacts of subsidence. Restoring these swamp habitats helps to ease the burden on our levees from storm surge energy and protect the surrounding communities. The return of the area's natural hydrology through larger restoration efforts is improving the reproduction and recruitment of the native trees we plant.

EPA IRA Disadvantaged Communities Measure 1: Maurepas Swamp Hardwood Reforestation

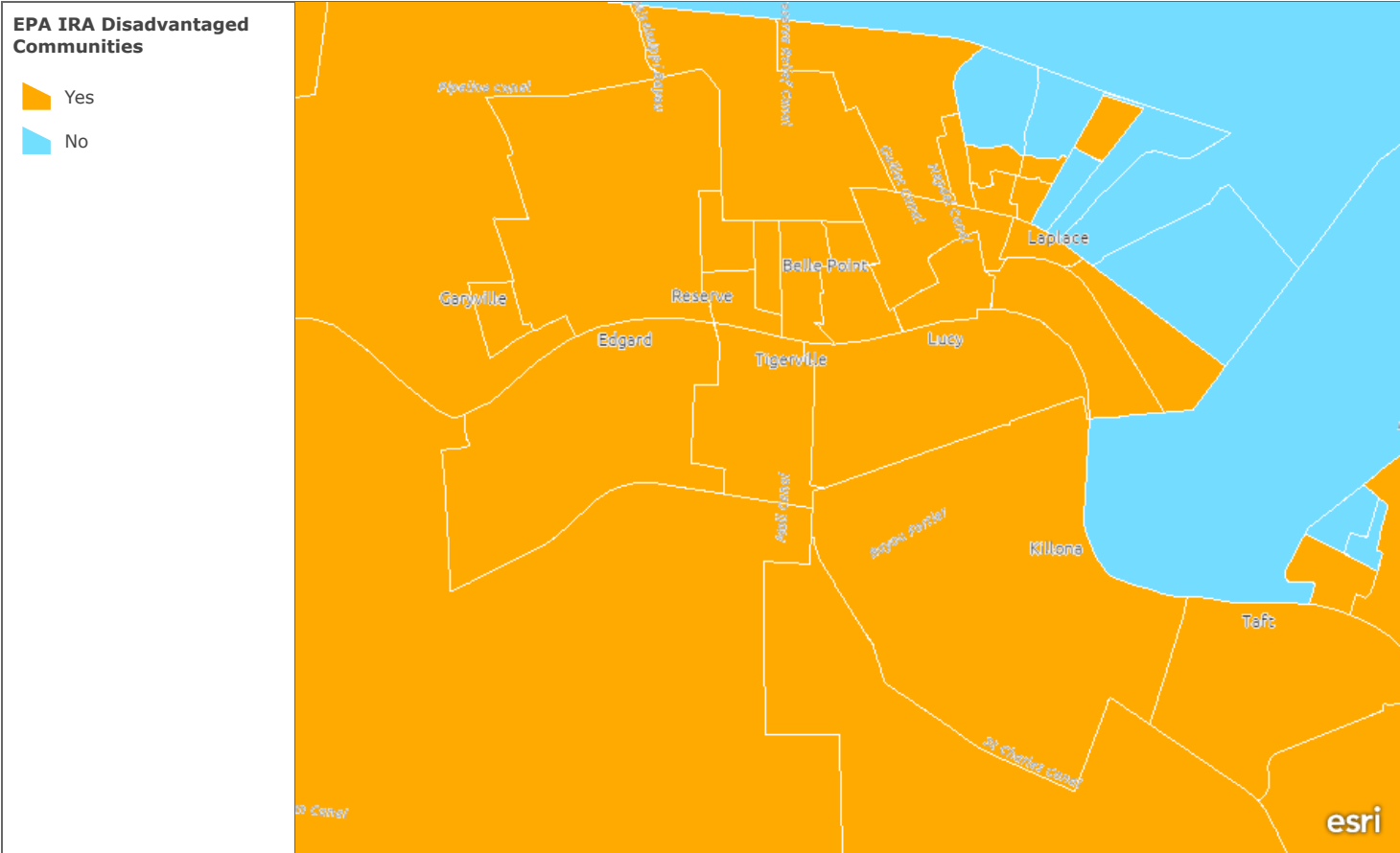


EPA IRA Disadvantaged Communities

CONANP, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS | CONANP, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS

EPA IRA Disadvantaged Communities

Measure 2: Electrifying Transportation in St. John the Baptist Parish

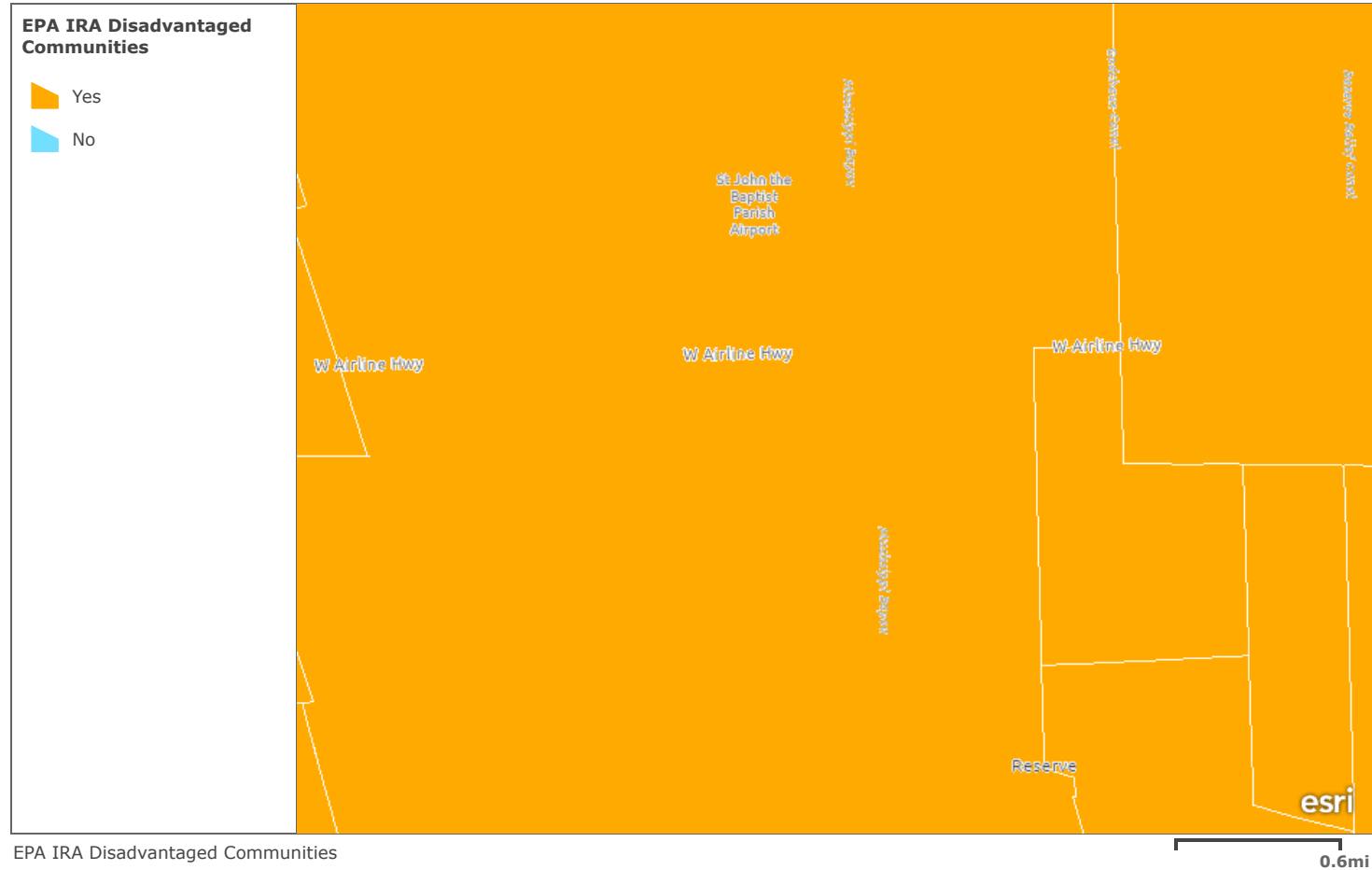


EPA IRA Disadvantaged Communities

CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS | CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS

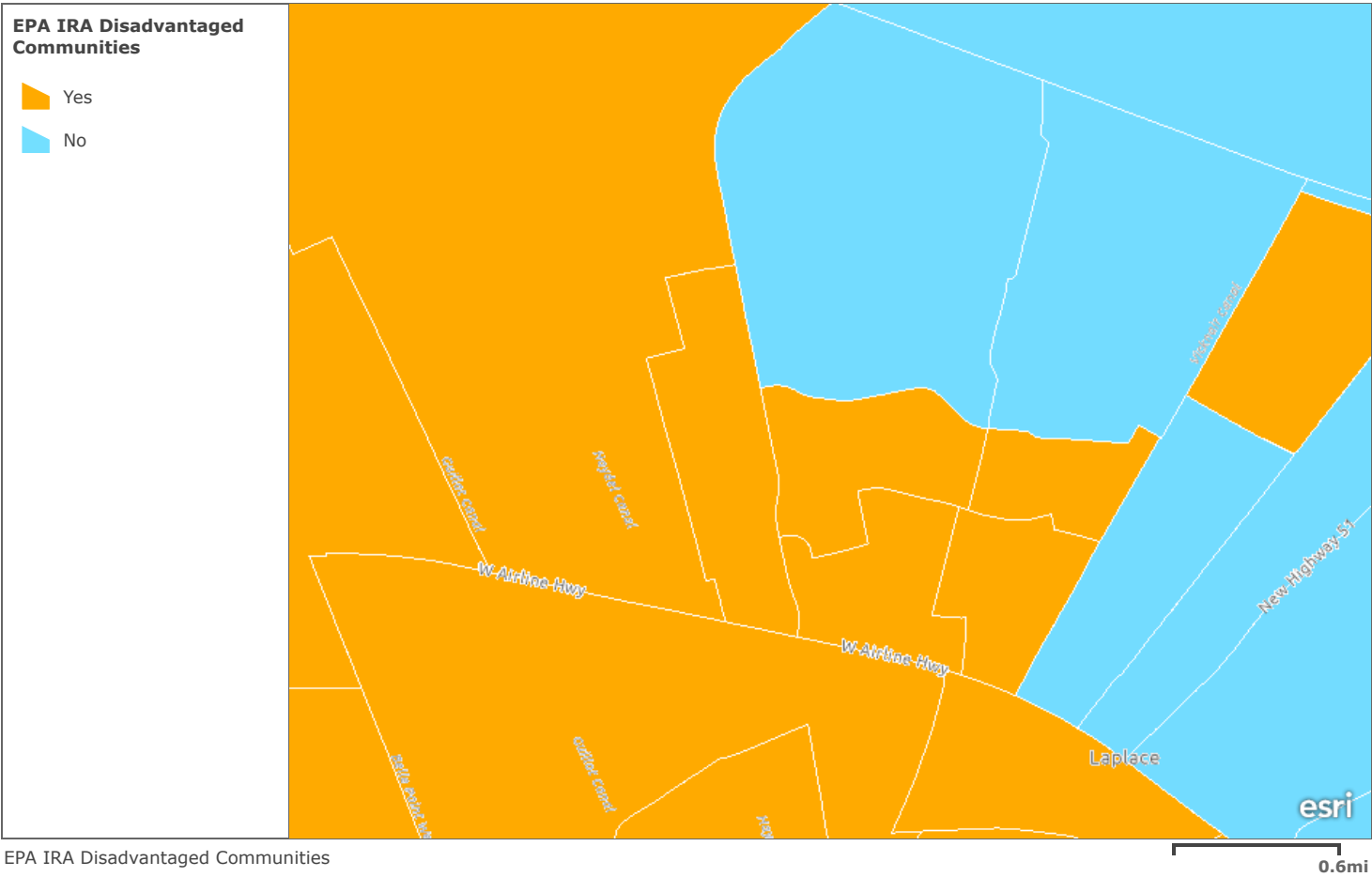
EPA IRA Disadvantaged Communities

Measure 3: Transitioning to Sustainable Waste Management



CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS | CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

EPA IRA Disadvantaged Communities Measure 4: Belle Terre Streetscape & Stormwater Improvements



CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS | CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS