



NET ZERO PLAN

for the City of Fort Lauderdale

RFP # Event 95

June 13, 2023



SUBMITTED BY

EXP U.S. Services Inc.
6750 North Andrews Avenue, Suite 200 | Fort Lauderdale, FL 33309 | USA
t: +1.305.631.2208 | exp.com

CAM #23-0792
Exhibit 5
Page 1 of 199



4.2.1. TABLE OF CONTENTS

SECTION 4.2.2.	Executive Summary	1 – 2
SECTION 4.2.3.	Experience and Qualifications	3 – 11
SECTION 4.2.4.	Approach to Scope of Work	12 – 24
SECTION 4.2.5.	References	25 – 41
SECTION 4.2.6.	Minority/Women (M/WBE) Participation	42
SECTION 4.2.7.	Subcontractors	43
SECTION 4.2.8.	Required Forms	44 – 69
APPENDICES		
A.	Business Licenses + Certificates	
B.	Personnel Resumes	
C.	Sustainability Policy	

June 13, 2023



City of Fort Lauderdale

Ms. Laurie Platkin, Procurement Specialist
100 N. Andrews Avenue, Fort Lauderdale, FL 33301

re: Event #95 | Net Zero Plan for the City of Fort Lauderdale

Dear Ms. Platkin,

EXP U.S. Services Inc. (EXP) is grateful and excited for the opportunity to submit this letter of intent to deliver all requested services for the Net Zero Plan for the City of Fort Lauderdale.

EXP has reviewed the Request for Proposal (RFP) and has selected a team that is exceptionally well-suited to provide the requested services. The EXP Team is comprised of EXP and Garth Solutions Inc. for community engagement and branding. Together, our Team has an extensive portfolio of local personnel and relevant projects assisting municipalities in developing and implementing sustainable and resilient infrastructure programs which promote and encourage sustainable, resilient and vibrant cities. Our team is structured to perform the necessary activities efficiently, cost effectively and with high quality deliverables.

We believe Team EXP is best qualified for this project for the following reasons:

- **Experienced Principal in Charge + Quality Assurance** | Carmen Olazabal, PE, PMP, MBA, ENV SP, LEED AP has 25 years of experience delivering complex projects in both the public and private sector. She has managed diverse technical teams and stakeholders to develop innovative solutions and advance discussion into comprehensive multi-year sustainable programs. Her collaborative approach, strong public sector experience, and diverse experience integrating sustainability into engineering solutions make her an asset for this project.
- **Knowledgeable Project Manager** | Ajani Stewart, CFM has over 20 years of experience leading multi-disciplinary groups. He has worked directly for several South Florida municipalities managing their sustainability projects and initiatives and delivering results to communities.
- **Approach to Service** | Understanding the importance and time-sensitive nature of this project, our Team will have an “all hands-on deck” approach which will be centered on delivering results through action, engaging the community and delivering community-centered solutions.
- **Quantity, Quality and Availability of Staff** | EXP is a full service architectural and engineering firm with 4,000 professionals across North America. This includes over 300 professionals across nine offices in Florida. EXP continues to grow locally on the municipal side while delivering excellent customer service. We have been able to do this by hiring the right talent ahead of contracts to ensure we can put the best staff, who has the time availability for our clients, and can deliver excellent services. The primary staff placed on this project will have 75% + time availability for this project, and we will be able to mobilize additional resources as needed to meet necessary timelines.
- **Relevant Experience** | EXP leads the industry in developing sustainability plans and implementing net zero projects. Our plans are actionable, sustainable, and accessible for everyone, including stakeholders of all ages and abilities. Our strength lies not only in our in-depth understanding of changing climate conditions, but also our keen ability to understand the function, purpose and promise of a community’s climate and sustainability goals.

We have developed a response that clearly demonstrates our qualifications. Team EXP is asking for your work and looking forward to being your trusted advisor. If you have questions, or require any information, do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in blue ink that reads "Kyle Henry".

Kyle Henry, Vice President, Business Development
t: +1.305.631.2208 | m: +1.561.329.9263 | e: kyle.henry@exp.com

EXP U.S. Services Inc.
6750 North Andrews, Suite 2000
Fort Lauderdale, FL 33309 | USA
t: +1.305.631.2208 | exp.com

CAM #23-0792
Exhibit 5
Page 3 of 199

EXECUTIVE SUMMARY

4.2.2



SECTION 4.2.2

EXECUTIVE SUMMARY

EXP is a full service architectural and engineering firm with 4,000 professionals across North America. This includes over 300 professionals across nine offices in Florida. EXP continues to grow locally on the municipal side while delivering excellent customer service.

PRIMARY OFFICE LOCATION

Services for this project will be primarily delivered from our Fort Lauderdale office located at 6750 North Andrews Avenue, Suite 200, Fort Lauderdale, FL 33309 with support from our local offices.

PROJECT MANAGEMENT



CARMEN OLAZABAL, PE, PMP, LEED AP, ENV SP | MIAMI, FL
PRINCIPAL IN CHARGE / QUALITY ASSURANCE | PRIMARY CONTACT
 m: +1.305.962.8185 | e: carmen.olazabal@exp.com

Carmen will be the primary point of contact to the City and will act as the Principal in Charge and Quality Assurance for this project. Carmen has 25 years of experience delivering complex projects in both the public and private sector. She has managed diverse technical teams and stakeholders to develop innovative solutions and advance discussion into comprehensive multi-year sustainable programs. Her collaborative approach, strong public sector experience, and diverse experience integrating sustainability into engineering solutions make her an asset for this project. Carmen will ensure that any concerns the City may have with the performance of the teams are addressed promptly to the City's satisfaction. Carmen has the authority to bring on additional resources as needed or make any changes to the team in consultation with the City to meet the project requirements.



AJANI STEWART, CFM | FORT LAUDERDALE, FL
PROJECT MANAGER | SECONDARY CONTACT
 m: +1.305.302.9628 | e: ajani.stewart@exp.com

Our team will be led by Ajani Stewart, who will be the Project Manager and secondary contact to the City. Ajani has over 20 years of experience leading multidisciplinary groups. He has worked directly for several South Florida municipalities managing their sustainability projects and initiatives and delivering results to communities. He will be fully responsible for the day-to-day management of the teams, the coordination of staff assignments, subcontractors and the accountability for schedule and budget control.

PROPOSED TEAM

We have presented our key team members qualifications and office locations in **Section B – Experience + Qualifications**.

We are confident that our Project Team will provide the comprehensive expertise required to ensure that any projects are completed to the utmost satisfaction of the City. The primary staff placed on this project will have 75% + time availability for this project, and we will be able to mobilize additional resources as needed to meet necessary timelines. EXP can ensure continuous availability of qualified and experienced staff to fulfill the requirements of this project by drawing on resources from our various branch offices. This integrated, sole responsibility team approach will provide the City with a responsive and agile team that will react quickly and effectively to the needs.

KEY ELEMENTS

At the end of this plan, the City of Fort Lauderdale will have published one of the most aggressive Net Zero roadmaps in South Florida, resulting in an active and thriving community that is the Venice of America. We understand that the City of Fort Lauderdale has a reputable history achieving its strategic planning goals, we also know that our Team has been effective in delivering on our client's visions based on our firm's strong characteristics. As shown in our proposal, the city can expect the below key elements from Team EXP.

WHY CHOOSE EXP?

EXCELLENT FIRM + PROJECT TEAM QUALIFICATIONS

- ✓ We are client-focused with the capabilities and depth of resources of a large multidisciplinary firm.
- ✓ The city will obtain our full attention, dedication and commitment for the entire duration of this project.
- ✓ Highly qualified and experienced staff including Project Manager, Ajani Stewart, CFM, who has been practicing the areas of sustainability, resiliency and environmental protection in Florida for over 20 years.
- ✓ Extensive project experience developing strategic plans and administering carbon solutions to local, national and international clients.
- ✓ Experts on the latest and greatest Net Zero initiatives and innovations.
- ✓ Devotion to conservation implementing the most sustainable solutions, evident through our own sustainable business practices.

FUNCTIONAL APPROACH TO SCOPE OF WORK

- ✓ Our team of local experts are knowledgeable of the City of Fort Lauderdale history, goals, and existing conditions.
- ✓ Prepared to administer a realistic prioritization of actionable solutions in the following key areas: renewable energy transition, sustainable transportation, green infrastructure, sustainable water management, waste management, community engagement, collaborations & partnerships, and monitoring & reporting.
- ✓ An organized methodology to efficiently execute all tasks through our proposed Discovery, Assessment, and Plan Development phases.
- ✓ A Branding Strategy that maximizes the engagement of the public and benefits to the city.
- ✓ An impactful Public Engagement Strategy that emphasizes communications with vulnerable and low-income communities.
- ✓ Proficient in an abundant range of technologies to enhance our capabilities and resources available to the city.

**EXPERIENCE +
QUALIFICATIONS**

4.2.3





SECTION 4.2.3

117

years in business

4000

professionals

40+

years of energy
management experience

400+

LEED projects

200+

clean + renewal energy
projects since 1970

KEY CONTACT

Carmen Olazabal,
PE, PMP, MBA, LEED AP, ENV SP
Principal in Charge / QA
m: +1.305.962.8185
e: carmen.olazabal@exp.com

EXPERIENCE + QUALIFICATIONS

With a mission to understand, innovate, partner and deliver, EXP provides engineering, design and consulting services to the world's built and natural environments. Our heritage dates back to 1906, when the earliest of EXP's predecessor companies started its engineering infrastructure practice. Today, 4,000 creative EXP professionals across North America provide the passion and experience needed to deliver successful projects around the world.

WHAT WE DO | ENERGY MANAGEMENT + SUSTAINABILITY

At EXP, sustainability is embedded in everything we do. We are focused on creating positive environmental, social and economic impacts for our clients, communities and within our organization. We are passionate about the contributions that our projects and relationships bring to sustainable and living communities. Across our practice, we progress forward-thinking solutions that drive value for our clients. We leverage technology to improve sustainable design performance, implement green construction practices and use scientific methods to protect the world's natural habitats.

SOCIAL RESPONSIBILITY



EXP is dedicated to working with clients to achieve their energy targets with sustainable designs. With a combination of sophisticated simulation techniques and a comprehensive understanding of building systems, we have provided paths to our client's environmental goals. Sustainable design services such as identifying areas for energy retrofits, preparing roadmaps to net zero carbon facilities and energy modelling are well within our repertoire. Our design teams have participated in integrated design process sessions aimed at exploring alternative solutions to conserving energy. In addition, EXP has assisted clients with applications for incentives to assist in the funding of green initiatives.

TABLE 1 PAST PROJECT EXPERIENCE		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
SCOPE ITEMS																														
SUSTAINABILITY ACTION PLANS	Net Zero Plan, Decarbonization and Implementation	○	○				○	○		○	○	○	○	○	○	○	○	○	○	○	○		○	○						
	Sustainability Planning and Strategy	○	○	○	○	○	○	○		○	○	○	○	○	○		○	○		○	○	○	○	○	○	○	○	○		
GHG REDUCTIONS	Improved Energy Efficiency	○	○	○	○		○			○	○	○	○	○	○	○	○	○	○	○	○		○	○			○		○	
	Electrification	○	○	○	○		○	○		○	○	○	○	○	○	○	○	○	○	○	○					○	○			
	GHG Inventory	○	○		○		○			○	○	○	○	○	○	○	○	○		○	○	○	○				○			
RENEWABLE ENERGY	Clean Energy Sources	○	○	○	○		○			○	○	○	○	○	○	○					○					○				
	Waste to Energy										○	○																		
MODELLING + MONITORING	Energy Audit	○	○				○						○		○				○	○	○	○	○	○	○	○				
	Commissioning/ Retro-Commissioning	○			○								○							○		○	○	○	○	○	○			
	Energy Modelling	○	○	○	○		○			○	○	○	○	○	○	○				○	○	○	○	○	○	○	○			
RESOURCE CONSERVATION	Waste Management	○			○	○	○	○		○	○	○	○	○							○	○			○	○				
	Water Conservation	○			○		○	○		○	○	○	○	○							○	○	○		○	○				
SMART BUILDING	Building Automation	○			○																○	○				○	○			
	Smart Metering	○			○																○	○	○				○			
SUSTAINABLE TRANSPORTATION	EV/Alternative Vehicle	○	○				○			○	○				○					○	○							○		
	EV Charging	○					○			○	○										○									
	Travel Mileage Reduction									○	○								○		○							○	○	
COMMUNITY ENGAGEMENT	Branding								○										○									○	○	
	Strategic Communication	○		○					○	○	○	○	○	○					○		○							○	○	
	Stakeholder Engagement	○		○		○			○	○	○	○	○	○				○					○			○	○	○	○	

PROJECT KEY			
1	NASA Kennedy Space Center Vision 2032	15	575 Princess Street
2	Bahia Beach Resort + Residences- Carbon Neutral Study	16	Capilano Tower + Sunnyside Manor
3	Miami International Airport- Solar Feasibility Study	17	Midwest Carbon Express Project, Carbon Capture Transportation + Sequestration Project
4	UTC Center for Intelligent Buildings	18	Coral Gables Public Safety Building
5	Solid Waste Management Strategies for Nunavut	19	L'Avenue- Commercial
6	Faro + Luna Building	20	University of Central Florida, Energy Audits, Retro-Commissioning, Energy Modeling + LEED
7	Rithm at Uptown Tampa	21	Liberty Property Trust- Energy Management Program
8	General Obligation Bond CIP Strategic Branding and Outreach	22	Energy Audits and Energy Modelling- Dr. Roddie Community Centre
9	Doral Sustainability Integration Plan	23	Valencia College East Campus Chiller Commissioning + Energy Studies
10	Coral Gables Sustainability Plan	24	Marina Bay Sands- Energy Auditing, Commissioning + Energy Modelling
11	Miami Dade Green Print Climate Action Plan	25	Long Fellow Lusk Like Science Development
12	Palm Bay Sustainability Action Plan	26	Taubman Centers Inc, Enterprise Energy Management
13	BPR Facilities: Carbon Neutrality Planning	27	NoMA Business Improvement District- Sustainable Transportation Project
14	Carbon Neutral Island Concept	28	Las Olas Beachfront Corridor

*Detailed Project Profiles followed by additional project experience highlights can be found in **Section D – References**

PAST PROJECT EXPERIENCE

Sustainable design services such as preparing roadmaps to net zero, identifying opportunities for energy efficiency and renewable energy, and energy modelling are well within our repertoire. Our design teams have participated in integrated design process sessions aimed at exploring alternative solutions to conserving energy and integrating renewable energy options for our projects.

“For over 40 years, EXP has provided sustainability and resiliency plans, energy audits and retro-commissioning for existing buildings across the world. Our Energy Management practice has effectively, and economically, reduced greenhouse gas emissions, helping clients achieve their net zero and carbon emissions reductions by their targeted deadlines.”

In addition to providing design solutions, EXP has assisted clients with applications for incentives to assist in the funding of green initiatives. Our team is comprised of experts with specialized, relevant experience to the proposed project.

Developing a comprehensive Net Zero Plan for Fort Lauderdale will require expertise on the planning side including:

- Performing municipal sustainability plans
- Developing net zero strategies
- Completing GHG inventory
- Performing energy modelling
- Renewal energy feasibility
- Proposing resource conservation strategies
- Planning for sustainable transportation
- Community engagement

In addition, to achieve a practical and actionable Net Zero Plan, the City of Fort Lauderdale needs a team that has real world experience designing and implementing solutions in the following areas:

- Energy Efficient Design (LEED Gold, Silver and Platinum)
- Net Zero Buildings

- Renewal Energy Solutions
- Smart Building and Building Automation
- Sustainable Transportation (travel mileage reduction, EV/alternative vehicle)
- Waste to Energy
- Commissioning and Energy Audits

Our multidisciplinary team has been assembled specifically to address all these areas. **Table 1** shows how our past project experience comprehensively cover all these areas. Detailed Project Profiles followed by additional project experience highlights can be found in **Section D – References**.

SUSTAINABLE BUSINESS PRACTICES

Sustainability is a key part of EXP’s core values. Numerous personnel are LEED accredited. As an organization, EXP holds a Gold membership with the USGBC, as well as being one of the very few USGBC Proven Providers. EXP is one of the few companies, recognized by USGBC as a LEED Proven Provider. This elite group of LEED professionals provides Administration and Guidance, on LEED projects, to the highest quality, that the project is ‘self-certified’ through a shortened review process. Annual audits, by GBCI, are performed to ensure this level of quality documentation is maintained by a Proven Provider.

EXP RANKS AMONG THE TOP COMPANIES FOR SUSTAINABLE DESIGN, IMPLEMENTATION OF ENERGY SYSTEMS, AND SUBMISSIONS TO CERTIFICATION BODIES FOR VARIOUS GREEN RATING SYSTEMS.

Energy modelling internal training is also offered to our design teams. Sustainability resources including green design handbooks and references are available to all staff. EXP is dedicated to working with clients to achieve their energy targets with sustainable designs. With a combination of sophisticated simulation techniques and comprehensive understanding of building systems. In addition to providing design solutions, EXP has assisted clients with applications for incentives to assist in the funding of green initiatives.

EXP has a firm-wide sustainability policy and action plan that guides sustainability activities for the firm. The policy and action plan serve as the underpinning for EXP’s approach to project sustainability, research and thought leadership, participation in green certification programs, sustainability initiatives within our operations and corporate social responsibility. This policy (attached in **Appendix C**) is approved and authorized by EXP’s executive leadership at the highest level.

BUSINESS STRUCTURE

EXP has been in business for 117 years via heritage companies and employs 4000 professionals worldwide with our U.S. headquarters in Chicago, Illinois. Our corporate and ownership structure is a privately-owned North American corporation. Our corporate leadership team is comprised of a Board of Directors and an Executive Team, with leaders from across the various regions and groups. Our “flat” leadership structure across the company enables efficient decision making and resource identification. EXP is registered in the State of Florida under State Statute Chapter 471 to provide Architectural/Engineering Services. Please refer to **Appendix A** for copies of our certificates, licenses and State of Florida Corporate Registration.

STATE REGISTRATION	ENTITY NAME	LICENSING AUTHORITY	RESPONSIBLE IN CHARGE	CERTIFICATE #
Florida (FL)	EXP U.S. Services Inc.	Board of Professional Engineers	William McGuire [E] #65653	297101
Florida (FL)	EXP U.S. Services Inc.	Board of Architecture and Interior Design	Timothy Neumann [A] #92521	92521

PRIMARY CONTACT

The Primary Contact for this assignment will be Carmen Olazabal. Contact details are as follows.

Carmen Olazabal, PE, PMP, MBA, LEED AP, ENV SP
 m : +1.305.962.8185 | e : carmen.olazabal@exp.com

DEPTH OF OUR FIRM

We are an integrated, motivated team working together with all types of clients, on projects large and small: locally, regionally, nationally, globally.

EXP has over 90 offices in North America, including 38 offices across the United States. In Florida, we have nine offices in Fort Lauderdale, Orlando, Miami, Fort Myers, Tallahassee, Tampa, Sarasota, Jacksonville, and Brooksville.

Please refer to **Figure B** for a visual representation of EXP offices across Florida and **Figure C** for offices across North America.



9 OFFICES

- PRIMARY OFFICE FOR THIS PROJECT
- LOCAL SUPPORTING OFFICES

FIGURE B | EXP OFFICES IN FLORIDA



FIGURE C | EXP OFFICES IN NORTH AMERICA

4000

employees globally

9

offices in Florida

38+

offices across the United States

RESOURCES

Today, 4,000 creative EXP professionals operating out of over 90 offices across North America provide the passion and experience needed to deliver successful projects around the world. Our professional staff hold numerous sustainability credentials.

Across the firm, EXP professionals hold LEED, WELL, Environmental Professional (EP), Envision Sustainability Professional (ENV SP) and other green credentials and certifications. Our Energy Team Members include licensed professional engineers and many hold commissioning certifications under the ACG program. EXP has over 400 LEED Certified projects, many of which include commissioning, retro-commissioning and energy audits as part of our scope. EXP has proven experience delivering energy efficient solutions to owners and project teams.

TEAM COMMITMENT

EXP and its subcontractor, Garth Solutions Inc, can provide all of the required services using our diversified team of professionals consisting of professional engineers and technologists in multiple disciplines, scientists, drafting and administrative support staff. Our team will be fully dedicated, committed and focused for the full duration of this assignment. We wish to emphasize that our team is supported by project engineers, technicians, and designers who are experienced and qualified in this type of work. If ever the need should arise, our alternate team members can “step in” to support the key discipline leads to ensure seamless project leadership at all times.

The project team assembled represents a significant depth of qualifications and experience reflective of the importance of this assignment. **Figure D** shows our organization chart presenting the key team members and their reporting relationships. Following the organization chart is a brief description of the qualifications, experience, and roles of key team members. Understanding that the City prefers the proposal to be under 100 pages, we have not include the expanded resumes in this section. However, the expanded version of entire team’s experience on similar projects is provided as an appendix (**Appendix B – Personnel Resumes**) for your reference if you need it.





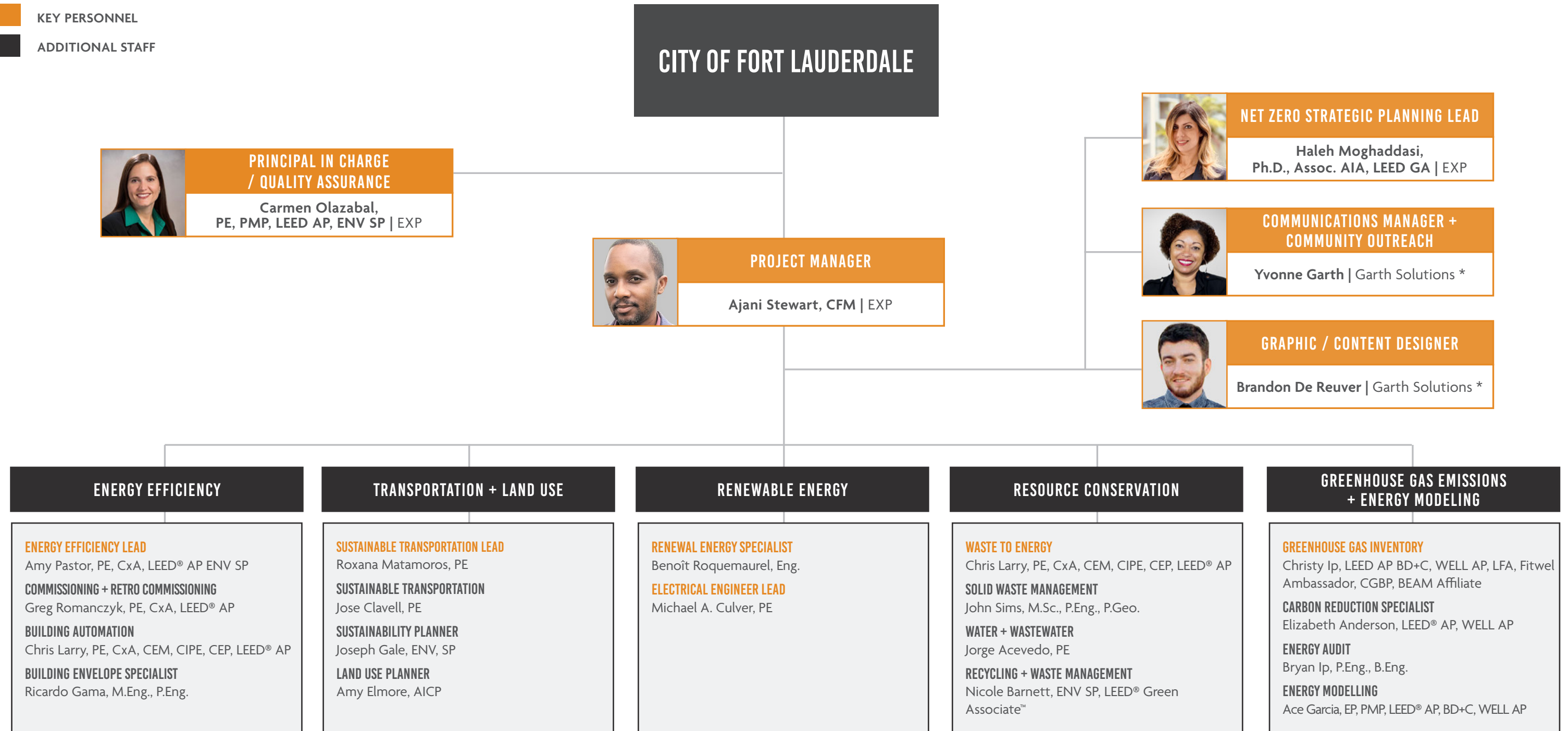
**OUR PERSONNEL ARE
LEED ACCREDITED AND
ENVISION SUSTAINABILITY
PROFESSIONALS.**

**#25 RANKING
FOR ENR'S 2023
TOP 500 DESIGN
FIRMS**

FIGURE 1

ORGANIZATION CHART

 KEY PERSONNEL
 ADDITIONAL STAFF



*Sub-Consultant



CARMEN OLAZABAL, PE, PMP, LEED AP, ENV SP
Principal in Charge / Quality Assurance | EXP | Miami, FL

Carmen is a sustainability professional with over 25 years over experience. She has effectively managed technical teams and stakeholders to develop creative solutions and advance discussions into a cohesive and comprehensive sustainable strategy. Carmen has successfully managed sustainable projects and implemented net zero strategies that reduce greenhouse gas emissions, reduce carbon footprint, and improve air quality by actively tracking progress and effectively communicating with critical stakeholders, including extensive outreach to build public support.

AJANI STEWART, CFM
Project Manager | EXP | Fort Lauderdale, FL

Ajani is experienced in project management and leading multidisciplinary teams. He has been practicing in the areas of sustainability, resiliency and environmental protection in Florida for over 20 years. He also has extensive experience in partnership and capacity building, stakeholder engagement, and FEMA Hazard Mitigation Assistance (HMGP/FMA/BRIC) programs.

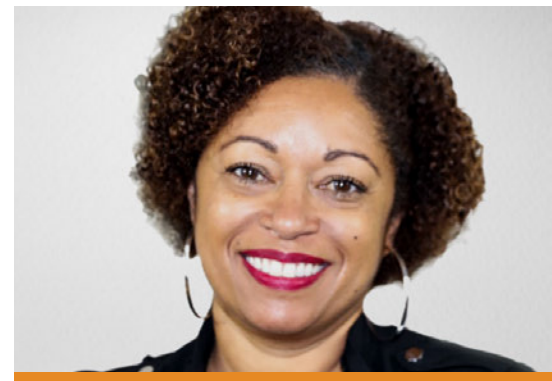


HALEH MOGHADDASI, PH.D., ASSOC. AIA, LEED GA
Net Zero Strategic Planning Lead | EXP | Miami, FL

Dr. Moghaddasi is an Architectural/sustainable engineer with a specialty in net zero strategic planning, sustainable practices, energy system performance, and project development at both building and community levels. Her innovative net zero strategies were published in multiple scientific journals to cut emissions in buildings, transportation, and power systems, and provided methods to measure, verify, and track the progress of global Net Zero targets, through energy modeling, energy auditing, and benchmarking.

YVONNE GARTH
Communications Manager | Garth Solutions Inc. | Davie, FL

Yvonne offers over 20 years of experience in creating successful communications and community outreach for infrastructure projects in South Florida. She leads GSI's support with public awareness campaigns promoting stakeholder education, engagement, and community buy-in. With expertise in communication plan development, media relations, and community facilitation, Yvonne is the trusted partner of notable public sector organizations in Florida and beyond.





BRANDON DE REUVER

Graphic / Content Designer | Garth Solutions Inc. | Davie, FL

Brandon has over 15 years of experience that ranges from copywriting and presentation development to social media marketing and web design, Brandon now uses his diverse experience to lead strategic communications planning for many of GSI's high-profile clients, including the Broward County Public Schools \$1.4 Billion SMART Bond Program and Naples Airport Authority's Marketing and Public Relations projects.

AMY PASTOR, PE, CXA, LEED® AP, ENV SP
Energy Efficiency Lead | EXP | Orlando, FL

Amy is the Vice President of Sustainability. A licensed Mechanical Engineer, Amy has a diverse background in design, commissioning, energy studies, energy modeling, measurement and verification (M&V), sustainability and project management. Amy takes a holistic approach to sustainability; however, her main focus is on energy audits and LEED-related Commissioning.



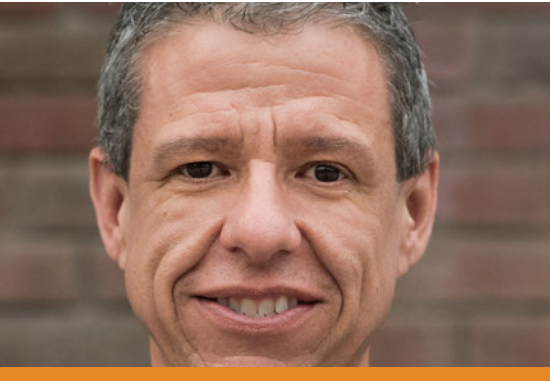
ROXANNA MATAMOROS, PE
Sustainable Transportation Lead | EXP | Miami, FL

Roxana has over 21 years of experience in sustainable transportation including roadway design and operations, pedestrian and bicycle facilities, and transportation safety. Her areas of specialization include complete street designs, roadway signing and pavement markings, development of engineering cost estimates and specifications, signalization and drainage analysis. She has experience working on roadway projects for both the Florida Department of Transportation (FDOT) and various municipalities throughout the State of Florida and is a licensed Professional Engineer.

BENOÎT ROQUEMAUREL, ENG.
Renewal Energy Specialist | EXP | Montreal, QC

Benoît's qualifications are based on 37 years' experience on solar PV power plants, mini and micro-hydropower plants and rural electrification projects powered by renewable energy systems. His first experience was as a volunteer in Ethiopia, then as a design engineer and project manager for private companies in France and the manager of an overseas renewable energy subsidiary of one of the major French energy players.



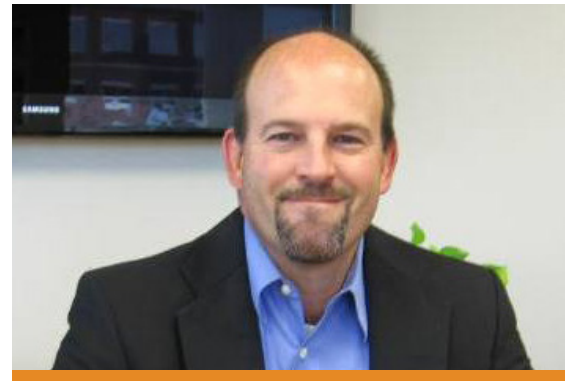


MICHAEL A. CULVER, PE
 Electrical Engineer Lead | EXP | Orlando, FL

Michael (Mike) is a Principal with over 30 years of experience. He is responsible for electrical quality control at EXP. He is responsible for the cohesiveness of the electrical designs with respect to the project as a whole and to each of the other disciplines. He has experience with sustainability master planning, design studies, energy audits and renewable energy design and implementation.

CHRIS LARRY, PE, CXA, CEM, CIPE, CEP, LEED® AP
 Building Automation + Waste to Energy | EXP | Richmond, VA

Chris brings more than 30 years of comprehensive experience in new and renovation projects with particular focus on Smart/Intelligent, energy-efficient systems and with a design-build breadth of knowledge specializing in unique solutions which solve problems, improve comfort, and reduce consumption. Chris is leading the industry through his work with the Association of Energy Engineers (AEE) where he has been a local chapter president and has taught courses for the CEM. AEE also chose him as “Energy Engineer of the Year 2000,” an International award.



CHRISTY IP, LEED AP BD+C, WELL AP, LFA, FITWELL AMBASSADOR, CGBP, BEAM AFFILIATE
 Greenhouse Gas Inventory | EXP | Markham, ON

Christy brings eight years of sustainability and clean energy experience to EXP. She has personally worked on more than 100 LEED, WELL, Fitwel and CALGreen projects and continues to support numerous clients in achieving their green building, site and corporate sustainability goals including ISO 14001, environmental impact assessment and ESG reporting. As a LEED Pro Reviewer, Christy provides detailed feedback to the creators of USGBC Education courses to improve their continuing education materials, and also stays current on trending issues in green building and sustainability.



WHY EXP

- ✓ **Knowledgeable** in understanding of project approach + scope of work.
- ✓ **Specialized** in technical capabilities for monitoring GHG + energy in buildings + transportation sectors.
- ✓ **Experienced** with strategic sustainable planning projects of similar scope.
- ✓ **Experts** in branding + facilitating effective community outreach.

APPROACH TO SCOPE OF WORK

4.2.4



SECTION 4.2.4

APPROACH TO SCOPE OF WORK

The City of Fort Lauderdale is committed to achieving its sustainable goals as demonstrated through its adopted plans, initiatives and commitments. For the past 12 years, there has been a considerable amount of greenhouse gas (GHG) emissions reductions since the City's first Sustainability Action Plan for both the community and government operations. Maintaining and progressing its successes, the City of Fort Lauderdale has continued its planning efforts and established more decarbonization goals through the Advance Fort Lauderdale 2040 Comprehensive Plan, Fast Forward 2035 Vision Plan, Press Play Fort Lauderdale 2024, and the Net Zero Greenhouse Gas Emissions Policy in support of the Race to Zero and Ready for 100 campaigned commitments. All of these documented plans, policies, and pledges have put the City of Fort Lauderdale on the map for leading widespread decarbonization efforts, demonstrating its legacy by continuously investing in its existing needs and its progressive future.



CITY'S GOALS AND OBJECTIVES

With a goal of city government operations becoming Net Zero by 2040 and a community carbon neutrality goal by 2050, the City of Fort Lauderdale is ready for the strategic implementation of advanced decarbonization efforts. Electricity has been the leading source of energy usage that contributes to the most amount of greenhouse gas emissions.

Targeting this energy source with proposed alternatives and strategies to consume less energy overall will be included in the plan as the most direct and effective solution. We understand the main contributing sectors of the reported 53,453 MT CO₂e in 2019, respective to government operations, were water supply and wastewater treatment facilities at 44% of total local government emissions.

The 1,968,196 metric tons of citywide CO₂e reported in 2019, were mostly contributed to by the residential and commercial energy consumption (51%) and transportation (44%) sectors. Assessing the local trends of energy consumption, accounting for projected population and economic growth, and aligning these details with the City's resources and technological advancements will ultimately position EXP and the City of Fort Lauderdale with the best possible decarbonization path to a Net Zero community.

VISION AND METHODOLOGY

EXP is highly qualified to create an optimal Roadmap to a Net Zero Plan tailored specifically to the City of Fort Lauderdale; as we are well aware of the existing conditions of the City, the City's history of sustainable implementations, and the City's vision for the future. Understanding the progress made thus far in the City's ICLEI150 Race to Zero Initiative, EXP has a clear vision for the prioritization that would address the highest GHG emission contributors.

Our Team has the knowledge and expertise across multiple disciplines relating to Net Zero strategies, and we are certainly capable of administering a plan to address the most abundant energy sources and contributing sectors of GHG emissions in both Community and Governmental Operations based on the 2019 Greenhouse Gas Inventory Report.

Achieving Net Zero is not accomplished solely through City government oversight and implementation; efforts from various third-party stakeholders will be accounted for and encouraged by our engagement strategy which will incorporate proven community engagement strategies. For example, we are aware that the City of Fort Lauderdale 2021 Neighbor Survey is a noteworthy tool that compiled meaningful feedback from the City's residents.

The survey provides insight into the community's level of concern for various services, plans and efforts to enhance or implement within the City. The gathered data have guided previously adopted plans such as the Press Play Fort Lauderdale 2024, the City's Vision Plan, the City's five-year Strategic Plan, and Fast Forward Fort Lauderdale 2035.

Along with other pertinent resources, we intend to utilize this survey to help create mass public buy-in and community-wide participation for this City's Net Zero Plan as it should align with the needs, values, and resources of the City.

“EXP has a clear vision for the prioritization that would address the highest GHG emission contributors.”

PROPOSED STRATEGIES AND IDEAS

Fort Lauderdale can establish realistic incentives and implementation processes to achieve their GHG goals by looking at responsible sectors, paving the way for carbon neutrality in 2050 and ensuring the sustainability of the city for generations to come. Below is a list of potential strategies:

RENEWABLE ENERGY TRANSITION | The city can prioritize the transition to renewable energy sources, such as solar, wind, and geothermal energy, to power municipal operations and encourage residents and businesses to adopt clean energy technologies. Developing a comprehensive renewable energy plan to transition to 100% clean energy sources is fundamental to sufficient progress as well as meeting set targets. The plan could include, for instance, increasing the share of solar energy in the city's electricity generation, implementing energy efficiency measures to reduce energy demand across sectors and collaborating with utility providers to support the integration of renewable energy and grid decarbonization.

SUSTAINABLE TRANSPORTATION | Establishing a personalized roadmap for transitioning to a zero-emission transportation system should be principal seeing how transportation is the largest sector responsible for Fort Lauderdale's community emissions. The city can focus on promoting sustainable transportation options, such as enhancing public transit systems, incentivizing the use of electric vehicles (EVs), improving active transportation infrastructure, and greatly encouraging the use of public transit and active transportation. Increasing the presence of EV charging stations, implementing micromobility sharing programs, and enacting rebates related to sustainable transportation practices can be proposed to support these initiatives. Utilizing resources provided by global networks should always be considered, especially where emissions are concentrated.

GREEN INFRASTRUCTURE | Fort Lauderdale can leverage the transition to a sustainable future to stimulate the growth of a green economy. This could involve attracting green businesses, supporting clean technology startups, providing job training in renewable energy and energy efficiency sectors, and promoting green jobs and entrepreneurship. Additionally, the city can adopt or strengthen green building standards and codes, requiring new developments and renovations to meet specific sustainability criteria. This could include encouraging the adoption of green building practices and technologies, implementing programs to retrofit existing buildings for improved energy performance, and promoting the installation of renewable energy systems on buildings. Continually, incorporating climate resilience and low-carbon design principles into land use and urban planning is also imperative. Enforcing compact and mixed-use development to minimize transportation needs, enhancing green spaces, urban forests, and natural areas, as well as supporting urban agriculture are all explorable subjects.



SUSTAINABLE WATER MANAGEMENT | Fort Lauderdale can prioritize sustainable water management by enforcing wastewater treatment regulations and water conservation efforts. This includes investing in advanced treatment technologies for efficient pollutant removal and resource recovery, while promoting water-saving technologies and practices to conserve water resources and raise awareness about water conservation. Through comprehensive water management, the city can protect water supplies, increase the energy efficiency of treatment systems, enhance stormwater drainage, and ultimately ensure long-term sustainability with water resilience.

WASTE MANAGEMENT | The City of Fort Lauderdale already employs waste-to-energy systems which provides resourceful energy production, but it also creates GHG emissions. Our team will evaluate strategies for reducing these emissions. Furthermore, additional programs can be applied to further advance the level of sustainability when treating waste. Programs could involve implementing comprehensive recycling and composting programs citywide, developing initiatives to reduce waste generation and promote reuse, the further utilization of anaerobic digestion and biogas facilities for organic waste, as well as capturing landfill gas to reduce methane emissions.

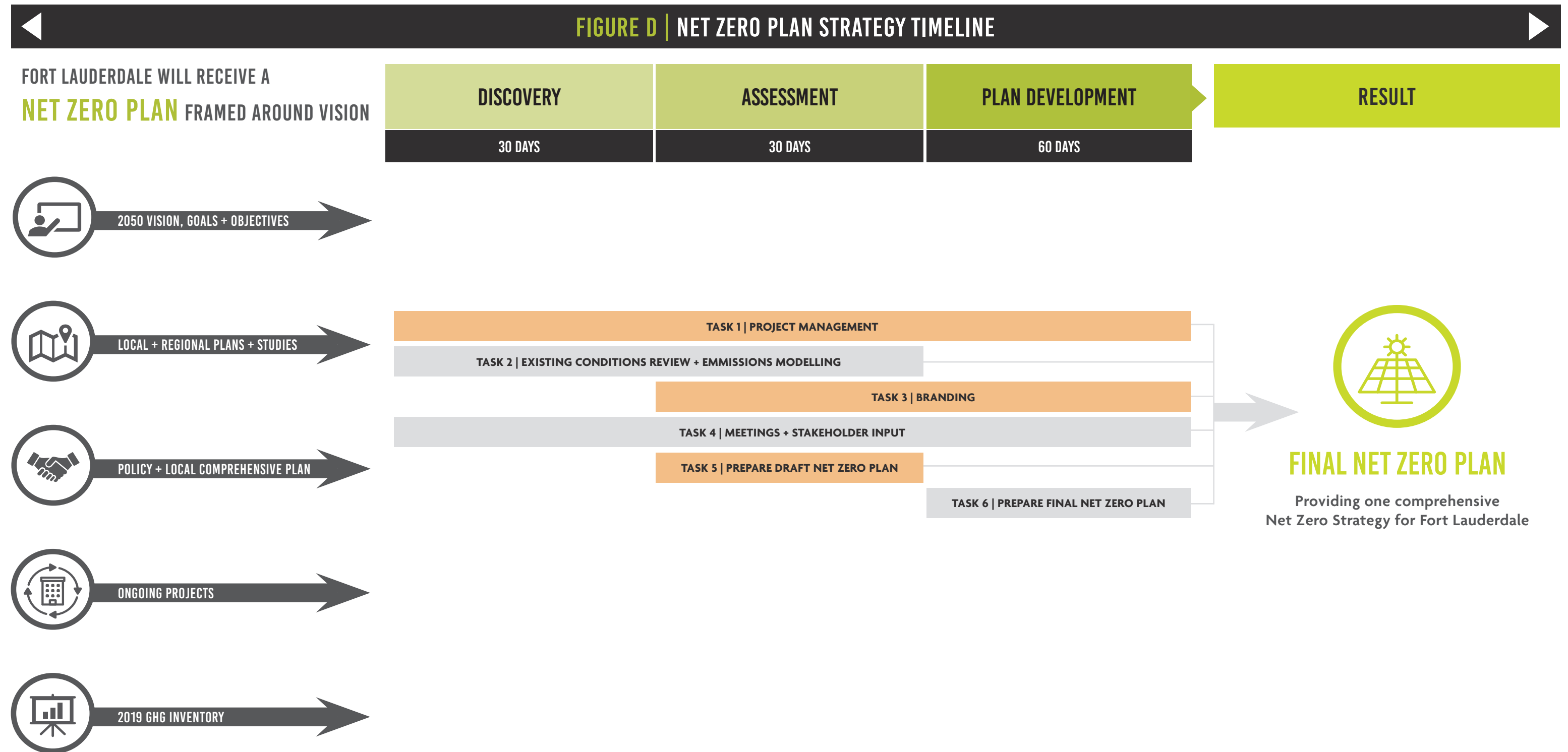
COMMUNITY ENGAGEMENT AND EDUCATION | The city can actively engage and educate the community about the Net Zero Plan, its benefits, and ways individuals can contribute to achieving the goals. This can include workshops, outreach programs, educational campaigns, and partnerships with local organizations and schools.

COLLABORATIONS AND PARTNERSHIPS | The city can establish collaborations and partnerships with relevant stakeholders, including local businesses, academic institutions, global networks, and neighboring municipalities. Working together can foster innovation, additional resources, and collective action towards achieving the Net Zero goals. Partnerships are additionally important for transparency, advocating for supportive policies and financial incentives, as well as extending environmental justice (EJ) and diversity, equity, and inclusion (DEI) efforts.

MONITORING AND REPORTING | Fort Lauderdale can build upon their robust monitoring and reporting framework to better track progress towards its Net Zero goals. Regular updates and transparent reporting on key indicators, such as GHG emissions, energy consumption, and renewable energy generation, can help consistently evaluate the effectiveness of implemented initiatives and guide future actions.

PROPOSED APPROACH

Our Team has envisioned a three-step approach to deliver City's Net Zero Plan. The three phases are planned to encompass all tasks included within the RFP, as shown in **Figure D** below.



STEP 1 | DISCOVERY PHASE

Our Plan starts with the **Discovery Phase**, where we will initiate Task 1: Project Management, Task2: Existing Conditions Review and Task 4: Meetings and Stakeholders Input. These three tasks will be interconnected as we aim to clearly identify all existing conditions, goals and objectives together with internal and external stakeholders while using best project management practices. During the Discovery phase, EXP will establish the Project Management Plan (PMP) that will define key milestones, deliverables, and the project timeline. The PMP will also include a communication plan identifying key stakeholders and defining a communication strategy best suited for the entirety of the plan's development. The progress will be continuously updated and accessible on the Project Management Portal which will be tailored for the City of Fort Lauderdale. The discovery phase is anticipated to be completed 30 days after receiving the notice to proceed.

After getting a firm understanding of existing conditions, and defining goals, objectives and expectations during the Discovery Phase, our Team will proceed to the Assessment Phase. During this phase, we will continue with Task 1: Project Management, Task2: Existing Conditions Review and Task 4: Meetings and Stakeholders Input and will start Task 3: Branding. The Team will perform a gap analysis, future emission projections, emissions modelling, and a SWOT (strengths, weaknesses, opportunities, and threats) analysis. The Team will also assess the existing brands associated with the City pertaining to their environmental efforts and develop a branding strategy for effective outreach and communication methods to optimize public engagement.

STEP 2 | ASSESSMENT PHASE

The **Assessment Phase** projected to take 30 days to complete starting immediately after the discovery phase. After getting a firm understanding of existing conditions, and defining goals, objectives and expectations during the Discovery Phase, our Team will proceed to the Assessment Phase. During this phase, we will continue with Task 1: Project Management, Task2: Existing Conditions Review and Task 4: Meetings and Stakeholders Input and will start Task 3: Branding.

The Team will perform a gap analysis, future emission projections, emissions modelling, and a SWOT (strengths, weaknesses, opportunities, and threats) analysis. The Team will also assess the existing brands associated with the City pertaining to their environmental efforts and develop a branding strategy for effective outreach and communication methods to optimize public engagement. The assessment phase is projected to take 30 days to complete starting immediately after the discovery phase.

STEP 3 | PLAN DEVELOPMENT PHASE

After completing the Assessment Phase, our team will continue with the **Plan Development Phase** where we will continue with Task 1: Project Management, Task2: Existing Conditions Review, Task 3: Branding, Task 4: Meetings and Stakeholders Input and will start Task 5: Prepare Draft Net Zero Plan, followed by Task 6: Prepare Final Net Zero Plan.

During this stage, based on the assessment we will develop strategies to meet the sustainable goals and objectives for the City of Fort Lauderdale based on the feedback received from the administration and stakeholders. The Team will apply all discovered and assessed material to prepare a draft Net Zero plan. The plan will prioritize strategies that are in alignment with existing City and regional plans based on the prioritization matrix and provide recommendations towards the branding strategy for community outreach.

END RESULT | FINAL NET ZERO PLAN

Once the Draft Net Zero Plan is prepared, EXP will submit it to the City for review and comments. Once feedback is received, we will hold the plan finalization workshop to gather final stakeholder feedback. We will then use all this collected feedback and transition to Task 6 where we will prepare the final **Net Zero Plan**. EXP will present the final plan to the Sustainability Advisory Board and the City Commission for approval. This phase will take 60 days, making the overall project timeline a total of 120 days after receiving the Notice to Proceed.

Below in more detail is our **approach** for each task.

TASK 1 | PROJECT MANAGEMENT

As part of this task, our team will provide proactive direction and oversight by utilizing project management best practices and leveraging our multidisciplinary experience with GHG mitigation strategies to provide a comprehensive Net Zero roadmap that aligns with Fort Lauderdale's goals.

Our **Designated Project Manager, Ajani Stewart**, is an experienced Project Manager with over 20 years of experience leading multidisciplinary groups. He has worked directly for several South Florida municipalities managing their sustainability projects and initiatives, and delivering results to communities.

He will lead our cross-functional team by supervising staff, actively communicating with City's project team (including frequent communication with the City Project Manager), and controlling cost and timeline.

Our Team will organize, lead, and document all project meetings throughout each phase of the project. The Team’s tasks shall include coordination of meeting times and attendees, posting of agenda, documentation of key items for discussion and required actions, and issue tracking/follow-up. Our Project Manager will meet regularly to maintain active communication. These meetings will serve as a setting for the exchange of information, coordination of activities and responsibilities, and the review of documents progress.

EXP will prepare agendas and meeting minutes for all meetings to document the discussions and indicate the actions required for maintaining progress. Meeting minutes will identify action items, due dates and assigned party. Critical decisions and approaches for work execution and responsible parties should be agreed upon and recorded for traceability along with appropriate documents that are part of the meeting handouts.

Our Team will develop and maintain a **project management web portal** that is customized for the City of Fort Lauderdale. The portal will actively communicate progress with internal and external stakeholders in a timely manner to ensure accountability and timely completion of the project. The project management portal will include project schedule/ milestones, action items list, status updates, project-related documents, deliverables, and team contact information. Below is one example of where EXP successfully implemented a project management web portal.



The EXP team implemented and maintained an **interactive program** and project level analysis including financial trends in Power BI dashboard for Broward County Public Schools – Office of Physical Plant Operations (PPO), with global filters that helped **improve** monthly budgeting. This deployment features all of the planned, current, and completed projects with visual graphics indicating various components of each project, such as: estimated budgets, phased progress, type of projects, funding types, level of activity, records by the PM’s and more.

Our team also created monthly reports using this dashboard to ensure **seamless communication** of the project data for all **stakeholders**, highlighting critical decision-making information to proactively **identify potential issues** before they impact availability or performance. There are **20+ users** utilizing this dashboard to track funding, status of projects and projects by zone and district. **This dashboard played a crucial role in making financial decisions for the County.**

Our Team will closely with the City of Fort Lauderdale to develop a written project plan and timeline identifying key milestones and deliverables that aligns with your objectives (see our projected timeline, including milestones and deliverables in the **Scheduling Methodology Section**). Furthermore, we will prepare a request for information (RFI) as needed for any information that is required to proceed with tasks. As a deliverable, our team will provide a technical memo during the Discovery Phase identifying the project management approach, key milestones, and project timeline.

TASK 2 | EXISTING CONDITIONS REVIEW AND EMISSIONS MODELLING

The Existing Conditions Review & Emissions Modelling task will take place during our proposed discovery and assessment phases. Our team will conduct an **in-depth review of all relevant existing documentation** pertaining to the analysis of City operations and citywide emissions sources, City and regional plans and procedures in place to address emissions sources, and policies at the city, regional, state, and national levels established to report GHG emissions.

EXP will perform a gap analysis of the City's GHG inventories, past and current initiatives, and foreseeable challenges to future implementations.

Our Team will use this information to complete a **SWOT (strength, weaknesses, opportunities, threats) analysis** in each source category (Transportation, Buildings, Waste, etc).

To support the existing conditions review and **detailed gap analysis** of the latest GHG inventory, our team will complete a calibrated **GHG modelling** which will be used to determine accurate **sector-specific emissions projection** reductions associated with potential countermeasures for government facilities and citywide operations per sector.

The modelling will be accompanied with future emissions projections that will factor in **anticipated population growth and economic expansions by decade within the City, starting with the year 2030, then 2040, and 2050.**

The projections will study various pathways of future emissions scenarios: including business as usual operations and multiple sector-specific levels of GHG reduction operations.

At the end of this task, EXP will deliver a technical memorandum outlining the data collected, providing a review of the existing GHG inventories and the results and conclusions of our future emissions scenarios analysis.

TASK 3 | BRANDING

For initiatives like the Roadmap to Net Zero Plan, strategic branding plays a pivotal role in generating meaningful connections and engagement with local communities. A well-crafted brand serves as a beacon, embodying the values, goals, and vision of the initiative, and communicating these in a way that resonates with the community. It fosters a sense of shared identity and purpose, encouraging community members to see themselves as integral parts of the initiative, and bridging gaps between all demographics by making all feel seen, heard, and valued.

For the Roadmap to Net Zero Plan, the development of a branding strategy should begin with a broad and comprehensive understanding of the vision and key messaging within pre-existing initiatives like the Fast Forward 2035 Vision Plan and others.

“Ensuring that our creative team is familiar with each of these ongoing initiatives and has made note of essential parallels will preserve a sense of cohesion and consistency between essential aspects of the City’s projects and its reinvigorated GHG reduction goals.”

Following this foundational awareness, we dive deeper into the perspectives and insights of both internal and external stakeholder groups, maximizing efficiency through the use of survey and polling technology to identify key themes, aspirations, and obstacles associated with environmental impacts across the City of Fort Lauderdale.

More detailed interviews will be conducted for key stakeholders and influential third parties identified by the City. These initial insights will help further inform the creation of a brand that embodies the city's commitment to sustainability, inclusivity, and community engagement, while inspiring action and fostering a sense of ownership among community members within all local demographics.

A comprehensive review of **existing brands** associated with environmental and climate change mitigation initiatives in Fort Lauderdale, including non-governmental organizations, businesses, and community groups, will help to guide our team in the development of the Roadmap to Net Zero branding strategy by building on best practices, identifying opportunities for collaboration, and assessing the effectiveness of similar campaigns in engaging the community and promoting environmental action. We will provide the City with a **short summary** describing these brands and best practices from outside the City.

Our approach to community-centric branding also includes exploring strategic connections with other relevant brands and influencers in the local area. This could involve partnering with small businesses, schools, religious groups, or community organizations to jointly promote City efforts along with their own sustainability initiatives, or to help gain access to specific populations more effectively. Experience working with the communities within the City of Fort Lauderdale and across South Florida will give our team a head start in providing **actionable recommendations** to the City in its efforts to encourage engagement and interaction with the planning process. By maintaining an intimate awareness of the individual needs of each community, and the environmental obstacles perceived through lenses unique to specific socio-economic, demographic, geographical, cultural, and personal circumstances, our team can help identify messaging and imagery that resonates with specific target audiences while maintaining the essential aspects of the plan's overarching brand.

Our Team will make **recommendations for branding the plan**, such as through social media, community events, and local media, and opportunities for increasing awareness of the City Plan are identified. The process employed by our team in developing a brand strategy ensures that all materials are designed to be clear, engaging, and easy to understand — and that our recommendations are practical, effective, targeted to all of Fort Lauderdale's diverse communities, and tailored to the City's unique context and vision. By creating a brand that reflects the community's aspirations and concerns, and that inspires trust and engagement, we can foster a deeper connection between the City and its residents, **driving meaningful participation and collaboration towards achieving the shared goal of a sustainable future.**

TASK 4 | MEETINGS + STAKEHOLDER INPUT



While the brand strategy will form the basis of what will be communicated and why it is relevant to the various audiences and stakeholder groups, proactive interaction and engagement is required to maintain buy-in and ensure ongoing alignment during the planning process.

For **internal stakeholder** meetings, our team includes a range of project and account management professionals experienced in all aspects of a successful project update and/or input meeting, from **timely agenda distribution**, logistics, visually descriptive presentations, virtual/hybrid meeting setup, production of materials, website publication, follow up, preparing and distributing meeting minutes, and more. Minutes of all meetings will be taken by the Consultant and **shared and posted on the project portal** (along with all relevant meeting documentation) within 2 working days of the date of the meeting. All meetings will take the City staff logistics of time, place, and invitees into consideration when coordinating the meeting schedule.

To maintain consistent engagement of key **external stakeholders**, we maintain a database of key organizations and individuals requiring ongoing communication and consultation, based on City direction as well as those identified in the strategic branding process. A variety of means and methods for collecting feedback from all stakeholders will be deployed to ensure that input is captured, documented, and ultimately reflected in the Roadmap to Net Zero Plan.



Image Source: Garth Solutions Inc.

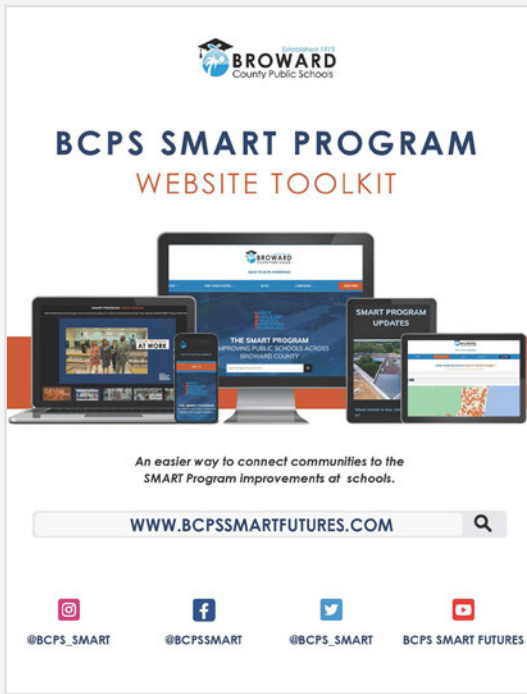


Image Source: Garth Solutions Inc.

With the need for climate resilience being so universally critical to South Florida, the goals and objectives of our approach to engaging Fort Lauderdale residents centers on educating and empowering affected front-line populations to appreciate the importance of sustainability initiatives, and ultimately help secure the future of their communities.

Raising awareness and reinforcing public understanding of the environmental conditions which necessitate the need for such planning will be essential to lay the groundwork for stakeholder participation and input during the initial stages of the planning process.

Due to the sensitive nature of planning across a range of areas with varying levels of vulnerability, stressors, access to infrastructure, and other critical issues, attention must be paid to preserving the social and cultural fabric of Fort Lauderdale’s communities, and gaining street-level insight into the unique issues and needs which may differ from one area to the next.

Facilitating a collaborative process that **promotes respect and openness to the diversity of all communities** helps to provide stakeholders with a sense of project ownership and involvement, encouraging consensus on the intentions, desired outcomes, and priorities of the ultimate plan.

Our proposal includes the following meetings:

- **One (1) Kick-Off Meeting** – EXP and its key staff will meet with the City Manager’s representative(s) at contract start-up to internally discuss the project kick-off and plan its development.
- **Monthly Meetings** – EXP’s project management staff will meet with the City to provide progress updates for the Plan’s development.
- **Up to five (5) Internal Stakeholder Meetings** – EXP shall organize and attend internal stakeholder meetings to discuss progress, concerns, etc. throughout the contract period.
 - This includes post-assessment meetings. After completing the assessment and content of each chapter, EXP shall schedule calls with the City Manager’s representative(s) to discuss the draft reports results/explanations and go over proper process and procedure before continuing with the remaining plan sections.
 - Internal stakeholder meetings will include the Public Works Department including its Utility, Engineering, and Sustainability Divisions; Parks and Recreation Department; Development Services Department; Fort Lauderdale Executive Airport; Transportation and Mobility Department; Emergency Management; and others as determined by the City.

- **Up to seven (7) External Stakeholder Meetings** – EXP shall organize and attend meetings to provide and receive feedback to and from the relevant stakeholders to incite clear and effective communication; that aims to result in participant understanding of project expectations, obstacles and successes. The following groups that will be invited include but are not limited to the City of Fort Lauderdale Sustainability Advisory Board (SAB), the Council of Civic Associations, and (one meeting per) the Commission District.
- **Community Workshop** – EXP will facilitate a workshop with the residents and community stakeholders to acquire initial community input on the Plan and its future implications.
- **Final Workshop** – EXP will prepare a meeting to discuss the finalization of the Plan with the residents and community stakeholders prior to final presentations.
- **Two (2) Final Presentations/Meetings** – EXP will prepare and deliver a presentation detailing the Final Net Zero Plan and its entire contents to the City of Fort Lauderdale Sustainability Advisory Board and the City Commission at the Conference separately.
- **One (1) Final Resolution** – EXP will create and deliver a resolution presentation to the City of Fort Lauderdale to address questions as needed.

TASK 5 | PREPARE DRAFT NET ZERO PLAN

Our Team will work very closely with the City of Fort Lauderdale staff to develop a draft Net Zero plan that aligns with the City’s objectives. Based on the information collected from the previous tasks, and research as to best local government practices for GHG reduction, the EXP team will propose actions that best respond to the unique Fort Lauderdale community. The proposed actions will identify GHG reductions in new and existing buildings, increase renewable energy sources, reduce of vehicle miles traveled and increase the adoption of electric and alternative fuel vehicles.

These actions can be categorized into three main sectors: power systems, buildings, and transportation as summarized in this diagram.

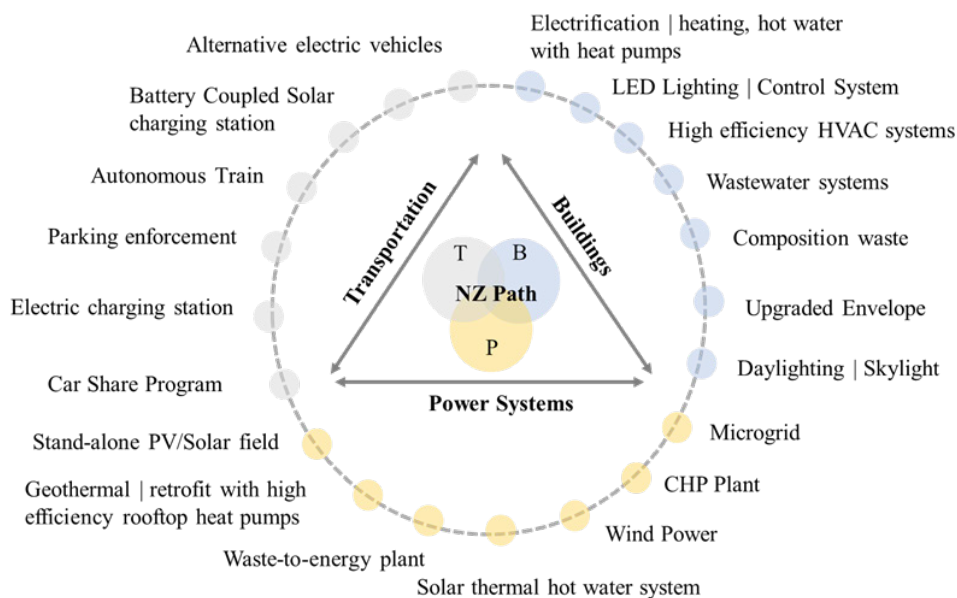


Image Source: Moghaddasi H., et al. An Adaptable Net Zero Model. *Energies*. 2022; 15(11):4016. <https://doi.org/10.3390/en15114016>

THE ACTIONS WILL BE DEVELOPED TO BE AMBITIOUS BUT ACHIEVABLE, ALIGN WITH CITY’S CURRENT PLANS, AND INCREASE RESILIENCY WHEREVER POSSIBLE TO ADDRESS THE TRIPLE BOTTOM LINE.

While some actions are under the direct City’s control, others will require influencing third party behavior. Our Team will consider programs, initiatives, and incentives to influence third party behavior and promote reducing carbon footprint in the community. The effect of each action will be modeled to predict their likely GHG reduction.

To prioritize actions, our Team will work closely with the City to create a prioritization framework weighting the following criteria:

- Actions impact towards GHG reduction
- Total cost of the project (including initial cost and lifecycle cost)
- Return on Investment
- Impact to the triple bottom line and resiliency
- Alignment with City’s strategic priorities
- Ability to control outcome
- Timeframe and logistical challenges
- How it contributes to the performance metrics

Action items included in the Net Zero Plan will align with goals that can be tracked through SMART (specific, measurable, achievable, relevant and time-based) metrics. We will develop this SMART metrics in close coordination with the City and propose utilizing software such as Clearpath, which is already used by the City, to track them moving forward. The plan will be drafted in non-technical language and supported by appendices that will provide the technical information. It will provide a clear roadmap to achieving the City’s Net Zero goals and specifically address answers to the **Who, What, When, Where, Why, and How** questions for each task.

Below is a sample of how we could organize the information using a portion of an objective referenced in the City of Fort Lauderdale Comprehensive Plan’s Transportation & Mobility Element:

TYPE	NET ZERO PERFORMANCE					
	ACTION ITEM	IMPLEMENTATION	RESPONSIBILITY	TIMEFRAME	GOAL ALIGNMENT	METRIC
	WHAT	WHERE + HOW	WHO	WHEN	WHY	
SUSTAINABLE TRANSPORTATION	<ul style="list-style-type: none"> Bicycle Mobility + Micromobility Devices 	<ul style="list-style-type: none"> Work with transit agencies to improve connections between rail and bus and existing and planned bicycle routes. 	<ul style="list-style-type: none"> Transportation + Mobility Department Sustainability Department Community Redevelopment Agency Sustainability Advisory Board Broward MPO FDOT Transit Agencies 	<ul style="list-style-type: none"> FY 2025 	<ul style="list-style-type: none"> Energy Efficiency Reduce Vehicle Miles Traveled Reduction of Transportation GHG Emissions – Citywide 	<ul style="list-style-type: none"> Estimated 5% GHG Reduction

The draft report will include the following sections, as outlined in the RFP, and will be submitted to the City for review and comments:

- A. Executive Summary
- B. Chapter 1 – Background
- C. Chapter 2 – Methods
- D. Chapter 3 – Roadmap to Net Zero Actions
- E. Chapter 4 – Monitoring Progress and Next Steps
- F. Appendix A – Action Prioritization Results
- G. Appendix B – Implementation Roadmap
- H. Appendix C – GHG Calculators and Inputs

TASK 6 | PREPARE FINAL NET ZERO PLAN

Once the Draft Net Zero Plan is prepared, EXP will submit to the City for review and approval. Based on the feedback received, our Team will edit the plan to incorporate recommendations received in previous tasks and submit an electronic version of the plan for final staff review. Upon receipt of staff comments, EXP will work diligently to edit as appropriate, finalize the plan, and present the final Net Zero Plan to the Sustainability Advisory Board and the City Commission. Our team will deliver 50 printed and bound hard copies, as well as electronic copies of the final published plan in Word and pdf as requested by the City.

SCHEDULING METHODOLOGY

Our Team will work closely with the City of Fort Lauderdale to develop a timeline including milestones and deliverables that align with the City’s objectives. We will actively monitor the progress and proactively communicate with the City Project Manager to ensure our team performs the project on time and within budget.

Below is our projected timeline, including milestones and deliverables.

PROJECT DELIVERY SCHEDULE	30 DAYS	30 DAYS	60 DAYS
	DISCOVERY	ASSESSMENT	PLAN DEVELOPMENT
	◀ ◀ NOTICE TO PROCEED ▶ ▶		
	TASK 1 PROJECT MANAGEMENT		
	TASK 2 EXISTING CONDITIONS REVIEW + EMISSIONS MODELING		
		TASK 3 BRANDING	
	TASK 4 MEETINGS + STAKEHOLDER INPUT		
		TASK 5 PREPARE DRAFT NET ZERO PLAN	
			TASK 6 PREPARE FINAL NET ZERO PLAN
ACTIONS	Develop Project Management Plan (define plan and timeline identifying key milestones and deliverables)	Prepare SWOT analysis	Develop overall Implementation plan based on prioritization matrix
	Conduct project meetings	Perform Gap analysis	Recommend branding materials and outreach strategy
	Identify key stakeholders and communication strategy	Future emission projections (2030, 2040, 2050)	Align plan with existing City and regional plans
	Review existing plans and GHG inventory	Emmissions modeling	Prepare net zero plan draft
	Review City resources, opportunities and challenges	Conduct progress meetings	Conduct progress meetings
	Develop Project Management Portal (to be updated as project progresses)	Stakeholder meetings	Stakeholder meetings
		Update project management portal	Draft final Net Zero Plan
		Develop branding strategy	Present plan to the Sustainability Advisory Board
		Develop prioritization matrix taking into account stakeholder input	Present plan to City Commission

CURRENT WORKLOAD

Our client-centered strategy has been to hire the right talent ahead of contracts to ensure we can put the best staff, who has the time availability for our clients, and can deliver excellent services. The primary staff placed on this project will have 75% + time availability for this project, and we will be able to mobilize additional resources as needed to meet necessary timelines or peaks in demand.

More specifically, our Lead Project Manager, Ajani Stewart, CFM and our Net Zero Strategic Planning Lead, Haleh Moghaddasi, Ph.D., Assoc. AIA, LEED GA will not be providing services to another municipality throughout the 120-day duration of this project; and therefore, will provide exclusive attention to the City of Fort Lauderdale and the development of this Net Zero Plan.

CAPABILITIES AND RESOURCES

EXP is committed to providing the most innovative solutions that will improve emission projections, increase accountability, improve communication, and ultimately deliver better results to our clients.

Below are some of the technologies we use in projects to better serve our clients:

CATEGORIES	TOOLS / RESOURCES
GHG Emissions Inventory and Energy Audit	<p>IESVE energy modeling software is able to predict building performance. Its capabilities include:</p> <ul style="list-style-type: none"> Assessing energy consumption and providing a breakdown of key drivers Analyzing energy conservation measures Peak building loads Assessing passive design strategies including solar shading, thermal mass and natural ventilation Capturing sunlight for the potential to measure daylight dimming strategies Carbon predictions from the building energy and fuel needs Building control strategies using formula based controls responding to parameters active throughout the simulation Renewable energy potential to offset building energy demands Condensation analysis
Mapping and 3D Printing & Digital Platform/Simulation	<ul style="list-style-type: none"> Lidar (light detection and ranging or laser radar)/Laser Scanning: Point cloud mapping and 3D imaging of building features to facilitate retrofit planning and minimize site visits IES Virtual Environment Simulation Tool, Procore, Revizto, iTwin from Bentley, Virtual Reality/VR/AR&MR, BIM, 3D Printing & Rapid Prototyping, Field Automation, CityEngine
Life Cost Assessment (LCA)	Athena LCA or One Click LCA performs life cycle assessments which evaluates the environmental impact of construction projects and products.
Enterprise Business Solutions	Team EXP uses cloud hosted solutions that provide additional access and survivability of project documents in case of any disasters.
Platform Data Management & Collaboration	Allows sharing across disciplines and real-time with our clients.

REFERENCES

4.2.5





EXP

VISION 2032

sustainability
master planning
+ implementation

NASA KENNEDY SPACE CENTER VISION 2032

Climate Target Planning | Brevard County, FL

EXP worked on the Strategic Master Plan called NASA Vision 2032. The plan focused on reducing the carbon footprint while still allowing for future growth and development of the KSC. It includes plans for facility reuse, repurposing or consolidation, proposed improvements to water and electrical utility services and improvements and strategies to align energy goals with future code requirements and energy standards.

Our team has also been involved in the implementation of Vision 2032 including:

NASA CENTRAL CAMPUS HEADQUARTERS

EXP served as the LEED Administrator and Energy Modeling team for the 192,000 SF NASA Headquarters (HQ) Building that Achieved LEED Platinum certification. The expansion of the 2 MW photovoltaic field, associated with the HQ project, will offset all of the electricity used in the building and, after monitoring and tracking the energy use for 12 months, the project is expected to be certified as their first Net Zero building.

Located in Kennedy Space Center's Industrial Area, the Central Campus Headquarters building ("HQ1") is a 7-story, 192,000 SF building which consolidates many shared services and administrative office functions. HQ1 incorporates sustainable design, construction, and operational practices to achieve an integrated energy-efficient building with a reduced impact on the environment. Water consumption has been reduced by over 40% by installing low-flow water-efficient plumbing fixtures. The landscape does not require irrigation. The building contains environmentally friendly, hard-flooring surface materials with limited use of carpet and composite wood.

CLIENT

NASA
Steve Belflower, AIA
t: +1.407.839.0886
e: sbelflower@huntonbrady.com

TIMELINE

2009 – 2020

SIZE

192, 000 SF

COST

Fees: \$23.5K
Construction Cost: Improvements
not yet constructed

SERVICES

Sustainability Planning
GHG Emission Inventory
Development of Emission Reducing
Strategies
Strategic Planning
Energy Modelling + Energy Audits
LEED Administration
Commissioning + Enhanced
Commissioning CAM #23-0792
Exhibit 5
Page 32 of 199

NASA KENNEDY SPACE CENTER VISION 2032 – *continued*

Climate Target Planning | Brevard County, FL

Chilled beams and energy recovery units provide high efficiency cooling, and reduce system loads. HQ1's power is fully backed-up by a new 800-kilowatt emergency generator with enhanced environmental ratings. The building is able to boast a 100% energy cost savings, using high-efficiency chillers, LED lighting, condensing boilers and a thermally efficient envelope.

Additional cost savings comes from the on-site photovoltaic field, allowing for this building to achieve net zero. The project achieved LEED Platinum Certification under the LEED for New Construction v2009 Rating System. Improvements within the Sevilla Estates neighborhood. The project is bounded by NW 89th.

PROPELLANTS NORTH ADMINISTRATIVE AND MAINTENANCE FACILITY

EXP provided LEED fundamental and enhanced commissioning for this 10,000 SF facility which achieved LEED Platinum certification. The project includes rainwater cisterns for irrigation and toilet flushing, underfloor displacement air conditioning systems, energy recovery wheels, separate photovoltaic systems for building power and vehicle charging, automatic daylighting controls and measurement & verification systems. EXP commissioned the HVAC, building automation, lighting control and water re-use systems for the project.





BAHIA BEACH RESORT + RESIDENCES

GHG Reductions | *Rio Grande, PR*

Bahia Beach Resort (BBR), wanted to determine the sustainability of its current carbon emissions, as defined by the Environmental Protection Agencies (EPAs) as Scope 1 and Scope 2 emissions and identify ways to reduce its carbon emissions if necessary. To aid in this process, BBR hired EXP to conduct a Carbon Neutral Study to serve as an estimation and planning tool for the resort.

The resort covers 483 gated acres, consisting of a hotel, private residences, farms, bird sanctuaries, golf course, and other amenities. The study includes utility bill analysis and the area method to calculate the carbon emissions generated by the property. The carbon emissions are defined as Scope 1 and Scope 2 emissions, which are direct and indirect emissions from sources controlled or owned by BBR. The current carbon emissions from the buildings are estimated to be 11,561 MTCO_{2e}, while the future carbon emissions are estimated to be 7,150 MTCO_{2e}. The carbon offsets from the bird sanctuaries on the property were found to be insufficient to make the resort carbon neutral.

Several strategies were explored to reduce carbon emissions, such as design reviews, energy audits, renewable energy installations, and purchasing carbon certificates.

CARBON NEUTRAL STUDIES

for 48 gated acres resort

CLIENT

Bahia Beach Resort + Golf Club
Ali Sattar, Agent
e: ali.sattar@bahiapr.com

TIMELINE

2022 – Ongoing

SIZE

483 gated acres

COST

Fees for Study: \$70K

SERVICES

- Energy Audit
- Planning to lower carbon emissions
- Strategic planning of sustainable development Carbon Neutral Study
- Design review(s) of construction documents for future buildings
- Energy Audits and retro-commissioning of existing buildings
- Installing renewable energy
- Aligning a project boundary that achieved Carbon Neutral Certificate

EXP

MIAMI INTERNATIONAL AIRPORT

Renewable Energy | Miami, FL

EXP was contracted by the Miami-Dade Aviation Department (MDAD) to review and evaluate the potential of locating a solar photovoltaic system on the roof of the Miami International Airport Terminal Complex.

This project considered a complete system installation including solar panel array locations, space for support equipment, and recommended types of solar panels best suited for installation. ROM calculations of electrical power generation, electrical configurations to the roof, electrical rooms for DC to AC inverter panel locations and connections to the building electrical system were also evaluated. This project included a phasing plan to implement the PV installation, maintenance considerations and costs, value analysis, and stakeholder considerations. Preliminary design concepts were developed for roof locations and analyzed in more detail, including structural constraints, geometric analysis (glint and glare), and environmental considerations. Based on costs of similar projects, preliminary design costs were prepared and provided to MDAD.

EXP is currently developing the design of the proposed solar installation in coordination with providing professional architectural, engineering, construction administration, additional services, work site services, and dedicated services as authorized by MDAD to enable the Airport to obtain a complete roof replacement and lighting protection system of the North, Central, and South Terminal Areas.

SOLAR FEASIBILITY STUDY

including terminal wide
re-roofing + lighting
system upgrades

CLIENT

Miami-Dade Aviation Department
Jose Arturo Corral, Project Manager
t: +1.305.876.7077
e: jcorral@flymia.com

TIMELINE

May 2022 – Ongoing

SIZE

483 gated acres

COST

Fees: \$500K
Estimated: \$1.5M
Actual: N/A - Project not
constructed yet

SERVICES

Sustainability Planning
Energy Modeling
Design Services



EXP

UTC CENTER FOR INTELLIGENT BUILDINGS

Energy Audit Modelling | Palm Beach, FL

This state-of-the-art building features innovative themes for visitors to interact with the building technologies. While it serves as an office building for UTC employees, it also serves as a display case for UTC technologies and a go to example of everything an intelligent building can be. The first couple floors serve as a customer experience space with a display area, multipurpose conference room, dining space, and open exhibit spaces. The remaining three floors are dedicated to UTC employees with a large terrace located on the 5th level.

SCOPE + FEATURES

- 600-ton series counter-flow chiller plant
- Smart Building Controls including fully integrated day lighting control system and dynamic glazing
- 350KW PV Solar Array
- 4-level parking garage with over 500 parking spaces
- Multipurpose exhibit space
- Multipurpose conference & classroom space
- Full function kitchen with ancillary display kitchen
- Fitness center

SUSTAINABILITY

“Earning LEED Platinum certification is a significant achievement, as sustainability is a core value of our organization and our portfolio of products,” said Carrier president Bob McDonough. *“We designed the UTC Center for Intelligent Buildings to push the boundaries of sustainable building design and provide our employees and customers with a model of what’s possible when Carrier’s best technologies are deployed in green buildings. Earning LEED Platinum is a testament to what can be accomplished when advanced building technologies are integrated into intelligent building design.”*

RFP # Event 95 | Net Zero Plan for the City of Fort Lauderdale

LEED BD+ C: NC PLATINUM

ACEC 2020 Project
of the Year

CLIENT

Hunton Brady
Steve Belflower, AIA, LEED AP
t: +1.407.839.0886
e: sbelflower@huntonbrady.com

TIMELINE

Completion: 2018

SIZE

250,000 SF
53,000 SF Parking Garage

COST

Fees: \$250K
Construction Cost: \$83.4M
(estimated + actual)

SERVICES

LEED Administration
Energy Modeling
Technology Design
Mechanical + Electrical
Plumbing
On-Site Construction +
Administration
Lighting Design

CAM #23-0792
Exhibit 5
Page 36 of 199



EXP

SOLID WASTE MANAGEMENT STRATEGIES FOR NUNAVUT

Resource Conservation | *Iqaluit, NU, CANADA*

Nunavut communities are faced with a wide range of waste management issues that include operations, financing, logistics, community culture, and scarcity of resources, among others. Some of these issues are an immediate concern, such as improperly managed and insecure storage of hazardous waste, while others such as recycling are more of an issue to be addressed in the long-term.

To address these and other issues, the Government of Nunavut (GN) retained EXP to develop a Solid Waste Management Strategy (SWMS) for the territory. The SWMS provides guidance on how to transition from the existing solid waste management system to one that integrates solid waste management best practices. These practices include the areas of operations, design and program administration.

SOLID WASTE MANAGEMENT STRATEGY

CLIENT

Government of Nunavut
Bill Westwell, Senior Planning Manager
t: +1.867.975.5461
e: bwestwell@gov.nu.ca

TIMELINE

2013 – 2014

COST

Fees: \$172K
Construction Cost: N/A.
This was a planning study.

SERVICES

Strategic Planning
Waste Management



EXP

FARO + LUNA BUILDING

Smart Building | Montreal, QC, CANADA

BentallGreenOak is a real estate owner, manager and investor. BentallGreenOak's corporate responsibilities are oriented to be carbon neutral by 2050 for their properties. BGO is also aiming for the BOMA BEST certification in 2023. BentallGreenOak wished to obtain recommendations from Energy Efficiency experts in order to identify, prioritize and evaluate the profitability of energy efficiency measures; that would then integrate BGO's asset management plan.

To identify these opportunities, BentallGreenOak Investment Management awarded a contract to EXP to perform an ASHRAE Level II audit and a Water Audit for both Faro and Luna building, located in Montreal, Quebec.

The audits contributed to a GHG Reduction Pathway Feasibility Study, which included a Decarbonization Action Plan for Carbon Neutrality by 2050.

The study was partially funded with the Ecoperformance program grant from Transition Energetique Quebec. In the study, an Implementation Plan was developed and recommended to the Client. The Plan targeted the reduction of the most important GHG end uses emitters. The plan also considered the reality of different energy sources.

ASHRAE + WATER AUDITS

For the ASHRAE Level I audit, the mandate was to analyze the energy consumption, review historical bills, survey the facility site, analyze functional spaces, and identify low and no-cost energy efficiency measures (EEMs) as well as those with capital investment potential.

CARBON NEUTRALITY BY 2050

CLIENT

BentallGreenOak
Dan Valiquette, Director
t: +1.416.771.6381
e: dan.valiquette@bentallgreenoak.com

TIMELINE

March 2022 – Sept 2022

SIZE

19 854 m2

COST

Fees: \$250K
Construction Cost: Not yet constructed.

SERVICES

Energy Efficiency
LEED and BOMA BEST Consulting
Life Cycle Analysis
Sustainable Development
Waste Management
Water Supply

FARO + LUNA BUILDING *- continued*

Smart Building | Montreal, QC, CANADA

The client had an additional request to evaluate the return on investment of the proposed measures. For the ASHRAE Level II audit, this included all of the activities related to the ASHRAE LEVEL I audit in addition to breaking down energy cost components, reviewing current O&M procedures, determining key operating parameters, breaking down energy end-use, developing a list of initial EEMs, evaluating energy savings, estimating EEM costs, and analyzing results.

A water audit was performed as well and results regarding benchmarking to other similar buildings in comparison to each building's own water consumption were presented. Performance was rated in terms of cubic meters per year per square meter.





EXP

RITHM AT UPTOWN TAMPA

Sustainable Transportation | Tampa, FL

Rithm At Uptown is an urban neighborhood development consisting of multi-story buildings, showcasing life sciences and technology research institutes and complexes. Located within Tampa's Uptown District, near the University of South Florida's main campus, Rithm will be the largest mixed used innovation community in Florida upon full build-out.

Conceptual master planning documents include areas for retail, entertainment, hospitality, medical specialties and education spaces. Corporate offices and co-working spaces are also included in the project's vision. Embracing the "live, work, play" model, the development will also include residential buildings, fitness centers and open spaces.

EXP provided Sustainable Consulting services to assist Panasonic in developing the vision for a future ready city. EXP performed energy models, to drive design decisions that will conserve energy, water and natural resources, ultimately reducing carbon emissions and negative impacts on the environment. Design guidelines were developed to provide future developers with sustainable initiatives required for implementation at this site.

Beyond the sustainable studies, EXP determined the electrical infrastructure necessary to support the site and the desire to provide at least 800 electric vehicle charging stations for visitors and residents.

5,000,000 SF

large mixed use innovation
community

CLIENT

Panasonic Enterprise Solutions
Company
Peter Jacobson
t: +1.720.998.0825
c: +1.720.759.8345
e: peter.jacobson@us.panasonic.com

SIZE

5,000,000 SF

COST

Fees: \$50K
Construction Cost: N/A. Not yet
constructed.

SERVICES

Electrical Infrastructure
Sustainable Consulting
Energy Modeling
EV Charging Station Infrastructure



GARTH SOLUTIONS INC.

GENERAL OBLIGATION BOND CAPITAL IMPROVEMENT PROGRAM STRATEGIC BRANDING + OUTREACH

Branding | Broward County, FL

The SMART Bond Program is a \$1.4 Billion General Obligation Bond referendum that provides critically needed funding for 232 Broward County Public Schools. This invested capital funding is to enhance students' learning environments by focusing on Safety, Music and Art, Athletics, Renovation and Technology (S.M.A.R.T.) improvements.

SCOPE OF WORK

GSI was brought on to the Program Management team to create and implement a strategic communication and outreach program that informed the school community, businesses, staff, and advisory committees about the improvements being made on the 232 school campuses. GSI executed the following approach:

- Developed and deployed an extensive communications plan that provided monthly, quarterly, and yearly reports to diverse stakeholders utilizing community-focused materials to relay SMART Program projects' progress.
- Provided custom reports, newsletters, media alerts, presentations, and more at key project milestones as well as on demand.
- Worked strategically in collaboration with the BCPS Office of Communications to ensure that messaging, graphics, and communication materials are accurate, effective, and targeted while maintaining strict District branding guidelines.

RFP # Event 95 | Net Zero Plan for the City of Fort Lauderdale

\$1.4 B

SMART Bond Program
for 232 Broward County
Public Schools

CLIENT

AECOM

OWNER

Broward County Public Schools
John Sullivan, Chief Communications
+ Legislative Affairs Officer
t: +1.754.321.2616
e: johnj.sullivan@browardschools.com

TIMELINE

2015 – Present

SIZE

5,000,000 SF

COST

Estimated: \$1.4B for the program
Construction: N/A. Not yet constructed

SERVICES

Communication Materials
Public Involvement
/ Community Engagement
Stakeholder Outreach
Graphic Design + Social Media

GENERAL OBLIGATION BOND CAPITAL IMPROVEMENT PROGRAM *- continued*

Branding | Broward County, FL



BCPS SMART PROGRAM WEBSITE TOOLKIT



An easier way to connect communities to the SMART Program improvements at schools.

WWW.BCPSSMARTFUTURES.COM



- Augmented the BCPS program team with a full-time dedicated staff (including Project Managers, Procurement Specialists, Administrative and Document Control personnel) who are located on site throughout the project.
- Worked side by side with the School District facilities team and other program consultants to implement all aspects of planning, design, and construction management.
- Provided administrative support to Project Managers, assisting with the management process of several schools, maintaining a comprehensive database of documents, and supporting the procurement of District vendors.
- Compiled and produced a quarterly report that is submitted to a third-party Bond Oversight Committee.

METHODS USED

- Communications Materials
- Meeting Facilitation
- Graphic Design
- Program Specific Website
- Stakeholder Meetings
- Collateral Materials
- Technical Reports
- Drone Footage
- Photo Documentation
- Contractor/Vendor Recruitment
- Email Marketing
- Social Media
- Digital Surveys
- Cross Departmental Coordination
- Virtual Meetings
- Construction Signage
- Stakeholder Outreach
- Public Involvement/ Community Engagement
- Staff Augmentation



DORAL SUSTAINABILITY INTEGRATION PLAN

Doral, FL | [Climate Target Planning](#)

For more than two years, EXP has assessed the existing conditions, policies, and plans as well as identified improvement opportunities for the City of Doral, leading to the initiation of their Sustainability Integration Plan (SIP). We will integrate Doral's previous green plans and policies into a comprehensive strategy, serving as a sustainability roadmap for the City. The plan will establish objectives with measurable metrics and a prioritization framework so that interim targets can be made on time.

CARBON NEUTRAL ISLAND CONCEPT

Rose Island, Bahamas | [Climate Target Planning](#)

The EXP Carbon Neutral Island Resort (CNIR) concept for Rose Island utilizes air, water, earth and sun to create sustainable living spaces. Employing leading-edge technologies that create abundant amounts of energy and integrate the relationship between nature and society could allow the resort to operate in a carbon-neutral status. Design features included deep sea water cooling, solar hot water, gasification to create hot water, water collection and re-use systems, and wind power.



CORAL GABLES SUSTAINABILITY PLAN

Coral Gables, FL | [Climate Target Planning](#)

Coral Gables Sustainability Plan identifies projects the City can implement to decrease energy, water, and fuel consumption while increasing sustainability education/awareness, waste diversion (recycling) and alternative modes of transportation. As Assistant City Manager, Carmen Olazabal created interdepartmental working teams and worked with them in workshops to define the City's green goals, strategies, and performance indicators to track the City's progress and integrate sustainability into all levels of decision making. The plan set goals to reduce energy and water consumption, fuel usage and overall greenhouse gas emissions by 2025.



MIAMI-DADE GREEN PRINT CLIMATE ACTION PLAN

Miami-Dade County, FL | [Climate Target Planning](#)

The Green Print is Miami Dade County's roadmap to achieve their sustainable goals. It contains the Climate Action Plan within it, which includes 137 separate initiatives, many of which will directly contribute to GHG emissions reduction. Ajani Stewart, acting as Miami Dade County's sustainability initiative coordinator, implemented various initiatives that contributed to meeting the goal of reducing GHG emissions to 80% of 2008 levels by 2050.





PALM BAY SUSTAINABILITY ACTION PLAN

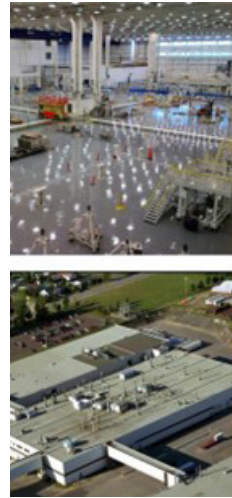
Palm Bay, FL | [Climate Target Planning](#)

The City of Palm Bay Sustainability Action Plan consists of recommendations to operational alternatives within five different areas of concern: Natural Environment (Land & Water Systems), Built Environment (Energy & Buildings), Transportation & Mobility, Innovative Waste Management, and Education & Public Engagement. Nicole Barnett, in coordination with the Palm Bay Sustainability Advisory Board, developed this plan and acquired City Council approval for implementation.

BPR FACILITIES + PRIORITY SITES: CARBON NEUTRAL PLANNING

USA, Canada, Mexico + Europe | [Climate Target Planning](#)

EXP provided sustainable planning and implementation services to Bombardier Recreational Products (BPR) with the goal of achieving carbon neutrality by 2030. Our Team analyzed greenhouse gas (GHG) emissions of BRP's facilities in their priority sites to propose GHG reduction measures. Energy audits were conducted to identify emission sources. Energy efficiency, clean energy production, available subsidies, building automation, and GHG emission mitigation measures were proposed based on their energy performance, GHG reduction potential and payback period. The EXP team also increased coordination with internal teams to obtain commitment from priority sites to carry out the measures identified.



575 PRINCESS ST – 10-STORY BUILDING + 2-STORY PARKING GARAGE

Kingston, ON | [GHG Reductions in New + Existing Buildings](#)

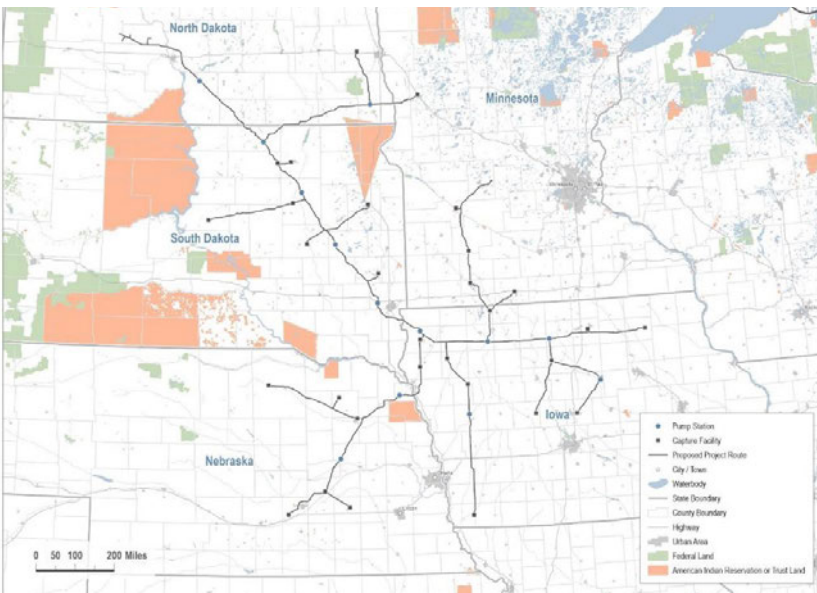
EXP provided mechanical and electrical engineering services, which involved conceptualization, construction, and several technology design elements, including security systems and cellular reception boosting. EXP utilized geothermal energy, making it the first large multifamily residential building in Kingston to do so. EXP also collaborated with a geothermal consultant to design an HVAC system that reduced the building's carbon footprint, improved energy efficiency, and enhanced the rooftop amenity space.

CAPILANO TOWER + SUNNYSIDE MANOR

Vancouver, BC | [GHG Reductions in New + Existing Buildings](#)

EXP is currently working on two deep energy retrofit projects for Capilano Tower and Sunnyside Manor, two high-rise buildings constructed in the 1970s. Both projects involve building envelope and mechanical system upgrades to reduce greenhouse gas emissions by more than 50%. EXP aims to reduce energy usage by 60% and greenhouse gas emissions by 85%. Replacing the glazing with a high performance triple glazed window wall system will greatly improve the building's thermal performance.





MIDWEST CARBON EXPRESS PROJECT, CARBON CAPTURE TRANSPORTATION + SEQUESTRATION PROJECT

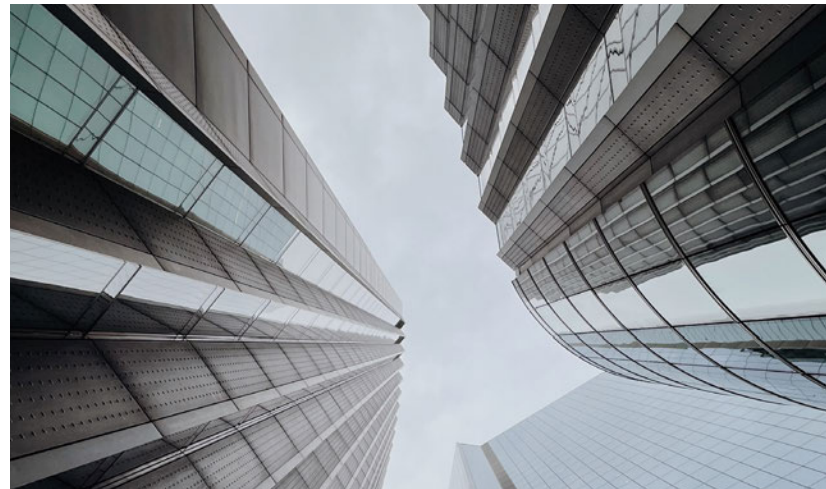
Minnesota, Iowa, Nebraska, North + South Dakota
GHG Reductions in New + Existing Buildings

EXP provided project management and oversight expertise for the Midwest Carbon Express (MCE) Project, with a focus on environmental field surveys and permitting. They lead the compilation and filing of major state applications and coordinated with the project team and outside counsel for data requests, expert witnesses, and hearing support. EXP also implemented a proactive tribal engagement strategy, reaching out to 62 potential tribes in the region and hiring tribal monitors for cultural resource surveys. Moreover, they effectively managed environmental and cultural survey data through their data management systems, ensuring quality standards were met for federal and state permitting requirements.

L/AVENUE – COMMERCIAL

Montreal, QC | **GHG Reductions in New + Existing Buildings**

EXP conducted a feasibility analysis of the targeted certification requirements and assessed the practicality of the performance pathway utilizing the Arc Skoru platform to collect a variety of data. This data involved consumption metrics, quantifying diverted waste, recording transportation habits, and capturing IAQ levels. Properly evaluating the building’s performance and GHG emissions is essential when comprehending the effects of Scope 1 and 2. Based on the objectives and budget, a scorecard and action plan were developed to target performance credits. The project achieved LEED recertification by focusing on energy efficiency, occupant satisfaction, active transportation, and air quality.



CORAL GABLES PUBLIC SAFETY BUILDING

Coral Gables, FL | **Energy Auditing, Commissioning + Energy Modelling**

The Public Safety Building has been designed to be energy efficient and with several enhancements to ensure operations during power grid failure. These include an uninterruptible power system, two parallel 1,500 kW gensets (located above the flood plain), and redundant air-conditioning. EXP performed LEED Fundamental and Enhanced Commissioning for all HVAC equipment, lighting controls, power distribution and service water heating to meet the City’s minimum requirements for LEED Silver certification.

UNIVERSITY OF CENTRAL FLORIDA, ENERGY AUDITS, RETRO-COMMISSIONING, ENERGY MODELING + LEED

Orlando, FL | [Energy Auditing](#), [Commissioning](#) + [Energy Modelling](#)

In 2016, EXP partnered with UCF to develop UCF's LEED for Existing Buildings and sites initiatives, which included a list of energy conservation measures and determined payback for capital expenditures projects. EXP also led stakeholder engagement meetings and provided ASHRAE Level 1, 2 and 3 audits. This report has allowed UCF to make remarkable progress towards their Net Zero 2050 goal: buildings are more efficient, the latest energy saving technologies are employed, cleaner sources of energy are used, and natural resources are conserved. As a result, existing buildings on campus use 38% less energy than before efforts began. EXP has also supported UCF 50+ implementation projects, 30 of which have achieved LEED Silver or higher.



VALENCIA COLLEGE EAST CAMPUS CHILLER COMMISSIONING + ENERGY STUDIES

Orlando, FL | [Energy Auditing](#), [Commissioning](#) + [Energy Modelling](#)

Planned additions to Valencia's East Campus required a utility expansion at the central plant. EXP provided an initial assessment of the existing central plant and design reviews of the expansion project to ensure control of the new and existing chillers would be fully integrated, for optimal operations and efficiencies. After the new chillers were installed, EXP commissioned the new equipment and the interoperation with the existing equipment. EXP helped to revise and document the chiller plant sequences of operation. EXP created a Systems Manual, outlining the various modes of operation for the plant, information on the predations and maintenance of the equipment and recommendations for future re-commissioning efforts.



Image Source: Admission 24

ENERGY AUDITS – DR. RODDIE COMMUNITY CENTRE + FORMER SCHOOL

St. Peter's Bay, PEI | [Energy Auditing](#), [Commissioning](#) + [Energy Modelling](#)

EXP performed an Energy Audit of the Dr. Roddie Community Centre and the multi-purpose building to assess energy utilization and quantify potential energy conservation opportunities. Energy models were developed using a variety of historical data and site review information. The models were balanced against the energy consumption records for both buildings individually. Site specific energy efficiency opportunities were identified, developed and presented in a final report. These opportunities included estimated energy reductions, associated monetary savings, implementation costs, simple payback, and GHG emission reductions.





LIBERTY PROPERTY TRUST (LPT), ENTERPRISE FACILITY + ENERGY MANAGEMENT PROGRAM

Various Locations throughout the USA | **Energy Auditing, Commissioning + Energy Modelling**

As part of LPT’s corporate initiative to save 30% on energy by 2012, EXP provided energy engineering, enterprise network consulting, and facility management services. The program included energy and water assessments, wireless network extension, advanced metering, a centralized energy management database, reporting, and dashboards. EXP also recommended a Green, double-net lease, public reporting of energy consumption, tenant sub-metering, and building control system standardization.

MARINA BAY SANDS (MBS)

Singapore | **Energy Auditing, Commissioning + Energy Modelling**

MBS is the highlight building of the Singapore skyline. EXP conducted functional testing on PAUs, AHUs, other air handling equipment, and on chilled water heat exchangers and pumping systems. After making the necessary corrections, performance testing on the air systems was completed. EXP collaborated with MBS Facility Staff to develop Facility Improvement Measures (FIMs) pursuing four individual LEED Existing Building certifications. So far, two projects have achieved certification, one earning gold, and the other platinum shortly after.



LONGFELLOW LUSK LIFE SCIENCE DEVELOPMENT

San Diego, CA | **Clean Energy + Resource Conservation**

The Longfellow Lusk Life Sciences Development is currently the largest Developer Life Sciences Campus project in the United States currently in design and construction. Development sustainability goals and features include: 100% electrification (i.e., no natural gas use for building heating or amenities), LEED Gold, Fitwell, 38% and 50% ASHRAE betterment for Laboratory and Amenities Buildings respectively, Greyand Recycled-Water systems, central utility plants, extensive photovoltaics, and green roofs. Resilient design features address Global Warming, Seawater Rise, and Wildfire Smoke mitigation concerns.

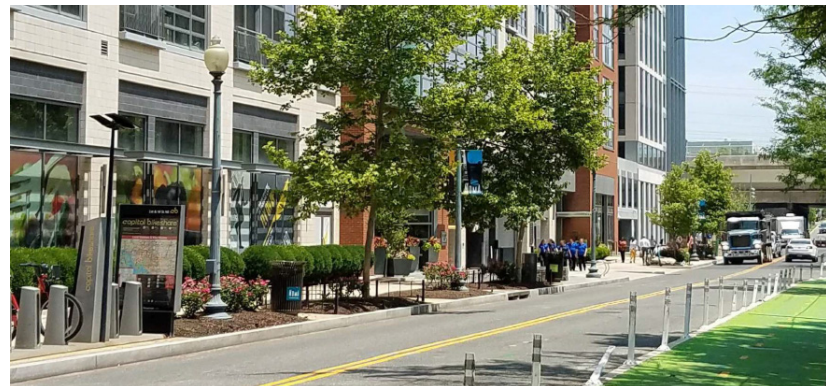




**NOMA BUSINESS IMPROVEMENT DISTRICT
TRANSPORTATION PROJECT**

Washington, DC | [Sustainable Transportation](#)

EXP provided transportation engineering, site/civil engineering, urban planning, and project management to the NoMa Business Improvement District. The projects prioritized pedestrian and bicycle connectivity by using strategies like an elevated tabletop to slow traffic in a way that is aesthetically pleasing and well-lit, encouraging multi modal transportation to reduce VMT.

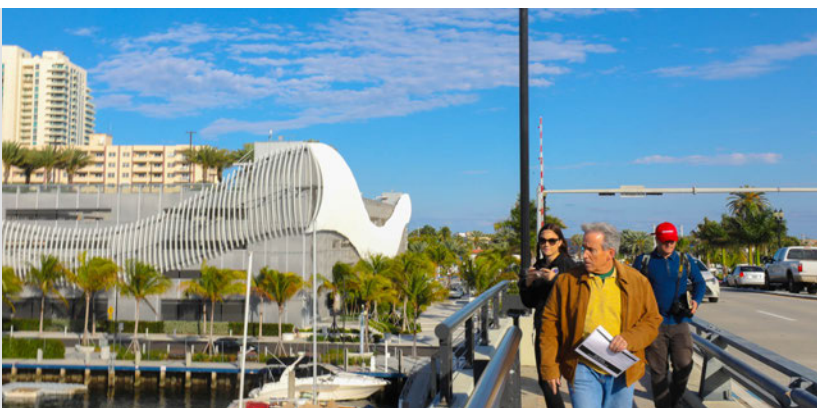
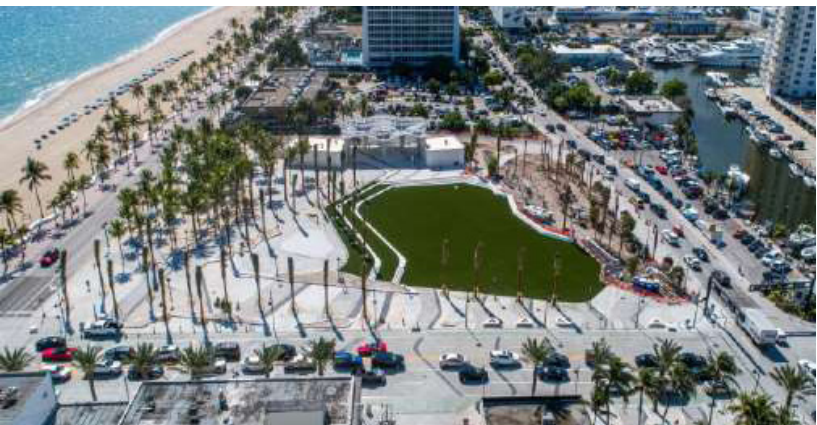


**LAS OLAS BOULEVARD BEACHFRONT CORRIDOR + CONCEPTUAL
STREETSCAPE DESIGN**

Fort Lauderdale, FL | [Sustainable Transportation, Energy Efficiency](#)
+ [Community Engagement](#)

The Las Olas project is a \$51 million new waterfront urban streetscape, park, roadway and public garage development in downtown Ft. Lauderdale. EXP worked in close collaboration with the design team to develop a energy-efficient lighting design that provided dynamic media wall that covers the exterior of the Parking Garage and dynamic street lighting that was energy efficient as well as complied wit the Turtle Nesting Season lighting requirements. The project resulted in more open and flexible greenspace, a tree-lined promenade and increase in connectivity through strategic landscape design and streetscape.

Garth Solutions Inc. (GSI) provided public engagement services through stakeholder meetings, workshops, surveys, and virtual tools. Despite the challenges posed by the COVID-19 pandemic, GSI successfully executed the public engagement activities, including a virtual walking tour of the corridor.



MINORITY/WOMEN (M/WBE) PARTICIPATION

4.2.6



SECTION 4.2.6

MINORITY / WOMEN (M/WBE PARTICIPATION)

EXP places strong emphasis on diversity, inclusion, and participation. In fact, our firm's history is rooted in diversity.

Our core architectural design team originating from EXP's legacy firm, was classified as a Minority Business Enterprise and this status continued until 1994.

We are serious about engaging Minority and Women Business Enterprise, Small and Disadvantaged Business Enterprise, Veteran Owned Businesses and LGBTQA certified consultants in meaningful project roles that will allow them to expand their capabilities and work on projects that they might not otherwise have the ability to be assigned due to their size or experience. **For this project, we have retained Garth Solutions Inc, a local Florida based M/WBE firm to provide Communications + Branding services.**

EXP is fully committed to the utilization of these businesses on a regular basis, whether we have contractual goals or not, and are proficient in using their skills and abilities to enhance the success of our projects. At the same time, our staff provides active mentoring of our subcontractors to ensure they have the information, resources, and support they need to facilitate the success of every project. **Our commitment to partnering with small businesses and helping them develop extends to serving as a Mentor for the U.S. Small Business Administration's 8(a) Mentor Protege Program.** As a fully integrated architectural and engineering design practice, EXP has a proven record of success in designing and directing innovative and aggressive programs that have resulted in substantial small business participation in all aspects of project activity.

Strategies for achievement of goals: The goals of a comprehensive and strategically designed M/WBE, SDBE, VOB and LGBTQA Participation Plan are: (1) capacity building and business development; (2) significant participation in all aspects of project activity; and (3) skill enhancement. The strategies described are designed to achieve these goals within the

context of the highest possible level of participation of M/WBE, SDBE, VOB and LGBTQA firms.

The following work plan describes the approach adopted by EXP for designing, implementing, and enforcing a creative and credible M/WBE, SDBE, VOB and LGBTQA Participation Plan. A successful plan depends on a thorough understanding of the complex scope of the project, and the potential for a truly significant impact upon the growth of small firms.

- A conviction, grounded in experience that success depends on leadership by individuals who know how to make a Participation Plan work, and have the track record to prove it.
- A belief that achievement of our compliance with statistical levels of participation by small firms and individuals is just one, and not necessarily the most important, measure of the success of a Participation Plan.
- An awareness that capable M/WBE, SDBE, VOB and LGBTQA firms are active in all areas of the development, design, and implementation of the Architectural and Engineering Design Services for the Ocean Drive Corridor and Lummus Park Enhancement Project.
- Experience with proven strategies that result in substantial, legitimate participation by the highest feasible number of M/WBE, SDBE, VOB and LGBTQA firms, as well as the commitment to a constant search for innovation in effort and program design.
- The understanding that rigorous review, reporting and verification procedures, and the highest level of public accountability, are required to support the integrity of small business programs.
- The belief that the most effective efforts are those that are undertaken in the spirit of cooperation and mutual support of economic development of these firms, rather than the adverse context characterized by the concept of "compliance".

SUBCONTRACTORS

4.2.7



SECTION 4.2.7

SUBCONTRACTORS

EXP has partnered with Garth Solutions Inc. (GSI) to provide Communications, Communication Outreach + Branding on this project. Upon award, GSI will enter into a contractual relationship with EXP for the project duration and report to our Project Manager.

EXP will ensure that all work performed by these firms will also conform to the EXP Quality Assurance Program. Staff in this organization will, for all practical quality assurance intents and purposes, be treated as EXP augmented staff.



Based in Davie, Florida, Garth Solutions, Inc. (GSI) is a communications and management consulting firm that delivers targeted and strategic business solutions to a diverse portfolio of clients in both the public and private sectors across the USA and Caribbean. Their team of 45 full-time professionals and network of available consulting subject-matter-experts are natural collaborators who enjoy working relationships with trusted market partners.

The firm's innate ability to customize solutions to the unique dynamics and requirements of every project, regardless of size and location, has been fundamental to delivering efficient results for their clients. Augmenting the firm's core in-house talent with their global network of specialists promotes scalability and enables them to positively impact marquis projects such as **Broward County Public School's \$1.4 Billion capital improvement project** and **Las Olas Boulevard's** corridor of improvements that included the construction of a state-of-the-art parking garage facility.

GSI plays an integral role as the lead public outreach consultant on project engagements throughout Broward, Miami-Dade, and Collier County. For many of these projects, they often execute communication and outreach with both internal and external stakeholders including local communities, HOAs and citizen groups, local businesses, governmental agencies, and planning boards. Over the years, this exposure and experience has enabled them to build strong relationships throughout South Florida, with an understanding of municipal and community dynamics across the region.



20 YEARS OF EXPERIENCE WORKING ON CAPITAL IMPROVEMENT PROJECTS ACROSS SOUTH FLORIDA.

REQUIRED FORMS

4.2.8



SECTION 4.2.8

REQUIRED FORMS

- A. Proposal Certification
- B. Cost Proposal
- C. Non-Collusion Statement
- D. Non-Discrimination Certification Form
- E. Local Business Preference (LBP)
- F. Disadvantaged Business Enterprise Preference (DBEP)
- G. Contract Payment Method
- H. E-Verify Affirmation Statement
- I. Sample Insurance Certificate
- J. W-9 for Proposing Firm
- K. Active Status Page from Division of Corporations – Sunbiz.org

A. PROPOSAL CERTIFICATION



CITY OF FORT LAUDERDALE BID/PROPOSAL CERTIFICATION

Please Note: It is the sole responsibility of the bidder/proposer to ensure that their response is submitted electronically through the [City's on-line strategic sourcing platform](#) prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

If you are a foreign corporation, you may be required to obtain a certificate of authority from the department of state, in accordance with Florida Statute §607.1501 (visit <http://www.dos.state.fl.us/>).

Company: (Legal Registration) EXP U.S. Services Inc. EIN (Optional): 46-0523964

Address: 6750 North Andrews Avenue Suite 200

City: Fort Lauderdale State: FL Zip: 33309

Telephone No.: 305-631-2208 FAX No.: N/A Email: kyle.henry@exp.com

Delivery: Calendar days after receipt of Purchase Order (**section 1.02 of General Conditions**): 120

Total Bid Discount (**section 1.05 of General Conditions**): N/A

Check box if your firm qualifies for DBE (**section 1.09 of General Conditions**):

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:

Addendum No.	Date Issued	Addendum No.	Date Issued	Addendum No.	Date Issued	Addendum No.	Date Issued
<u>1</u>	<u>6/9/2023</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

VARIANCES: If you take exception or have variances to any term, condition, specification, scope of service, or requirement in this competitive solicitation you must specify such exception or variance in the space provided below or reference in the space provided below all variances contained on other pages within your response. Additional pages may be attached if necessary. No exceptions or variances will be deemed to be part of the response submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A.

N/A

The below signatory hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid/proposal. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this bid/proposal. The below signatory also hereby agrees, by virtue of submitting or attempting to submit a response, that in no event shall the City's liability for respondent's direct, indirect, incidental, consequential, special or exemplary damages, expenses, or lost profits arising out of this competitive solicitation process, including but not limited to public advertisement, bid conferences, site visits, evaluations, oral presentations, or award proceedings exceed the amount of Five Hundred Dollars (\$500.00). This limitation shall not apply to claims arising under any provision of indemnification or the City's protest ordinance contained in this competitive solicitation.

Submitted by:

Kyle Henry

Name (printed)

6/13/2023

Date



Signature

Vice President

Title

B. COST PROPOSAL

SECTION VI - COST PROPOSAL PAGE

Proposer Name: EXP US Services

Proposer agrees to supply the products and services at the prices bid/proposed below in accordance with the terms, conditions and specifications contained in this RFP.

Cost to the City: Contractor shall quote firm, fixed, costs for all services/products identified in this request for proposal. These firm fixed costs for the project include any costs for travel and miscellaneous expenses. No other costs will be accepted.

Notes:

Attach a breakdown of all costs by task, including but not limited to staff time and hours per task broken out by job titles. Labor breakdown shall include titles, hourly rates, and hours assigned per task.

1. Task 1 – Project Management Subtotal:	\$ <u>20,000</u>
2. Task 2 - Existing Conditions Review & Emissions Modelling Subtotal:	\$ <u>27,000</u>
3. Task 3 – Branding Subtotal:	\$ <u>4,500</u>
4. Task 4 – Meetings and Stakeholder Input Subtotal:	\$ <u>49,000</u>
5. Task 5 – Prepare Draft Net Zero Plan Subtotal:	\$ <u>37,500</u>
6. Task 6 – Prepare Final Net Zero Plan Subtotal:	\$ <u>12,000</u>
Total Roadmap to Net Zero Plan Project Cost	\$ <u>150,000</u>

Submitted by:

Kyle Henry
Name (printed)

6/13/23
Date


Signature

Vice President
Title

C. NON-COLLUSION STATEMENT



NON-COLLUSION STATEMENT

By signing this offer, the vendor/contractor certifies that this offer is made independently and free from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,


3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g., ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents, and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

<u>NAME</u>	<u>RELATIONSHIPS</u>
N/A	N/A
_____	_____
_____	_____
_____	_____
_____	_____

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.



 Authoriz
Kyle Henry

 Name (Printed)

Vice President

 Title
6/13/2023

 Date

D. NON-DISCRIMINATION CERTIFICATION FORM





**CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH
NON-DISCRIMINATION PROVISIONS OF THE CONTRACT**

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to City Ordinance Sec. 2-17(a)(i)(ii), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

- A. Contractors doing business with the City shall not discriminate against their employees based on the employee's race, color, religion, gender (including identity or expression), marital status, sexual orientation, national origin, age, disability, or any other protected classification as defined by applicable law.

Contracts. Every Contract exceeding \$100,000, or otherwise exempt from this section shall contain language that obligates the Contractor to comply with the applicable provisions of this section.

The Contract shall include provisions for the following:

- (i) The Contractor certifies and represents that it will comply with this section during the entire term of the contract.
- (ii) The failure of the Contractor to comply with this section shall be deemed to be a material breach of the contract, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.

A handwritten signature in blue ink, appearing to read "K. Henry".

Authorized Signature

Kyle Henry, Vice President

Print Name and Title

6/13/2023

Date

E.LOCAL BUSINESS PREFERENCE (LBP)



LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT

The Business identified below certifies that it qualifies for the local business price preference classification as indicated herein, and further certifies and agrees that it will re-affirm its local preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this ITB. Violation of the foregoing provision may result in contract termination.

(1) is a Class A Business as defined in City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. A copy of the City of Fort Lauderdale current year Business Tax Receipt and a complete list of full-time employees and evidence of their addresses shall be provided within 10 calendar days of a formal request by the City.

Business Name

(2) is a Class B Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. A copy of the Business Tax Receipt or a complete list of full-time employees and evidence of their addresses shall be provided within 10 calendar days of a formal request by the City.

Business Name

(3) is a Class C Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. A copy of the Broward County Business Tax Receipt shall be provided within 10 calendar days of a formal request by the City.

Business Name

(4) requests a Conditional Class A classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.

Business Name

(5) requests a Conditional Class B classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.

EXP U.S. Services Inc. Business Name

(6) is considered a Class D Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186 and does not qualify for Local Preference consideration.

Business Name

BIDDER'S COMPANY: EXP U.S. Services Inc.

AUTHORIZED COMPANY PERSON: Kyle Henry

[Handwritten Signature]

6/13/2023

PRINT NAME

SIGNATURE

DATE

F. DISADVANTAGED BUSINESS ENTERPRISE PREFERENCE (DBEP)





DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATION STATEMENT

The Business identified below certifies that it qualifies for the disadvantaged business enterprise price preference classification as indicated herein, and further certifies and agrees that it will re-affirm its preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this solicitation. Violation of the foregoing provision may result in contract termination.

(1) is a disadvantaged class 1 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the city, and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(2) is a disadvantaged class 2 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business within the limits of the city with a full-time employee(s) and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(3) is a disadvantaged class 3 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the Tri-County area and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(4) is a disadvantaged class 4 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that does not qualify as a Class A, Class B, or Class C business, but is located in the State of Florida and provides supporting documentation of its disadvantaged certification as established in the City's Procurement Manual.

Business Name

(5) is not considered a Disadvantaged Enterprise Business as defined in the City of Fort Lauderdale Ordinance Sec.2-185 and does not qualify for DBE Preference consideration.

EXP U.S. Services Inc.

Business Name

BIDDER'S COMPANY: **EXP U.S. Services Inc.**

AUTHORIZED COMPANY PERSON: **Kyle Henry**

PRINT NAME

Kyle Henry

SIGNATURE

6/13/2023

DATE



DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATION STATEMENT

The Business identified below certifies that it qualifies for the disadvantaged business enterprise price preference classification as indicated herein, and further certifies and agrees that it will re-affirm its preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this solicitation. Violation of the foregoing provision may result in contract termination.

(1) is a disadvantaged class 1 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the city, and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(2) is a disadvantaged class 2 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business within the limits of the city with a full-time employee(s) and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(3) is a disadvantaged class 3 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the Tri-County area and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Garth Solutions, Inc.
Business Name

(4) is a disadvantaged class 4 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that does not qualify as a Class A, Class B, or Class C business, but is located in the State of Florida and provides supporting documentation of its disadvantaged certification as established in the City's Procurement Manual.

Business Name

(5) is not considered a Disadvantaged Enterprise Business as defined in the City of Fort Lauderdale Ordinance Sec.2-185 and does not qualify for DBE Preference consideration.

Business Name

BIDDER'S COMPANY: Garth Solutions, Inc.

AUTHORIZED COMPANY PERSON: Yvonne Garth
PRINT NAME

[Signature]
SIGNATURE

06/08/23
DATE

G. CONTRACT PAYMENT METHOD



CONTRACT PAYMENT METHOD

The City of Fort Lauderdale has implemented a Procurement Card (P-Card) program which changes how payments are remitted to its vendors. The City has transitioned from traditional paper checks to credit card payments via MasterCard or Visa as part of this program.

This allows you as a vendor of the City of Fort Lauderdale to receive your payments fast and safely. No more waiting for checks to be printed and mailed.

In accordance with the contract, payments on this contract will be made utilizing the City's P-Card (MasterCard or Visa). Accordingly, bidders must presently have the ability to accept the credit card or take whatever steps necessary to implement acceptance of a card before the start of the contract term, or contract award by the City.

All costs associated with the Contractor's participation in this purchasing program shall be borne by the Contractor. The City reserves the right to revise this program as necessary.

By signing below, you agree with these terms.

Please indicate which credit card payment you prefer:

MasterCard

Visa

EXP U.S. Services Inc.

Company Name

Kyle Henry

Name (Printed)

Signature

Vice President

Title

6/13/2023

Date

H. E-VERIFY AFFIRMATION STATEMENT





E-VERIFY AFFIRMATION STATEMENT

Solicitation/Bid /Contract No: _____ RFP # Event 95

Project Description:

With the sunseting of the 2011 SAP and the adoption of new GHG reduction goals, the City of Fort Lauderdale is soliciting Professional Consulting Services to develop a Roadman to Net Zero Plan (Plan) that will identify pathways to achieve the City's Contractor/Proposer/Bidder acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of,

- A. all persons employed by Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,
- B. all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the Contract is a condition of the Contract.

Contractor/Proposer/ Bidder Company Name: **EXP U.S. Services Inc.** _____

Authorized Company Person's Signature: _____ *Kuffey*

Authorized Company Person's Title: **Vice President** _____

Date: **6/13/2023** _____

I. SAMPLE INSURANCE CERTIFICATE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/30/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis Towers Watson Midwest, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	CONTACT NAME: Willis Towers Watson Certificate Center PHONE (A/C, No, Ext): 1-877-945-7378 E-MAIL ADDRESS: certificates@willis.com	FAX (A/C, No): 1-888-467-2378
	INSURER(S) AFFORDING COVERAGE	
INSURED EXP U.S. Services Inc. 201 Alhambra Circle, Suite 800 Coral Gables, FL 33134	INSURER A: XL Insurance America Inc NAIC # 24554	
	INSURER B: National Fire Insurance Company of Hartford 20478	
	INSURER C: Continental Casualty Company 20443	
	INSURER D: AIG Insurance Company of Canada B1206	
	INSURER E:	
	INSURER F:	


COVERAGES **CERTIFICATE NUMBER: W29105837** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liability GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	Y	US00057823LI23A	03/31/2023	03/31/2024	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 2,000,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY	Y		6076413496	03/31/2023	03/31/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N No	N/A	6072004033	03/31/2023	03/31/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Professional Liability			061127095	03/31/2023	03/31/2024	Per Claim \$3,000,000 Aggregate \$3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 Re: RFP # Event 95- Net Zero Plan for the City of Fort Lauderdale.
 Location: In the City of Fort Lauderdale within Broward County, Florida

The City, a Florida municipal corporation, its officials, employees, and volunteers are included as Additional Insureds with respect to General Liability and Auto Liability policies
 General Liability policy shall be Primary and Non-contributory with any other insurance in force for or which may be

CERTIFICATE HOLDER City of Fort Lauderdale 100 N. Andrews Avenue Fort Lauderdale, FL 33301	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

J. W-9 FOR PROPOSING FIRM

Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. EXP U.S. Services Inc.	
2 Business name/disregarded entity name, if different from above	
3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ▶	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) 5 Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
5 Address (number, street, and apt. or suite no.) See instructions. 205 N Michigan Ave, Ste 3600	Requester's name and address (optional)
6 City, state, and ZIP code Chicago IL 60601	
7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number										
or										
Employer identification number										
4	6		-	0	5	2	3	9	6	4

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here

Signature of U.S. person ▶



Date ▶ 1/24/2023

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

**K. ACTIVE STATUS PAGE
FROM DIVISIONS OF
CORPORATIONS – SUNBIZ.ORG**





[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Search by Entity Name](#) /

Detail by Entity Name

Foreign Profit Corporation
EXP U.S. SERVICES INC.

Filing Information

Document Number	F11000001440
FEI/EIN Number	46-0523964
Date Filed	04/04/2011
State	DE
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	02/27/2012
Event Effective Date	NONE

Principal Address

56 Queen Street East
Suite 301
Brampton, Ontario L6V 4M8 CA

Changed: 05/13/2020

Mailing Address

56 Queen Street East
Suite 301
Brampton, Ontario L6V 4M8 CA

Changed: 05/13/2020

Registered Agent Name & Address

C T CORPORATION SYSTEM
1200 SOUTH PINE ISLAND ROAD
PLANTATION, FL 33324

Name Changed: 12/22/2011

Address Changed: 12/22/2011

Officer/Director Detail

Name & Address

Title VP

Stevens, Phil

2601 Westhall Lane
Maitland, FL 32751

Title CFO/Treasurer

Walters, Deborah
205 N. Michigan Ave.
Suite 3600
Chicago, IL 60601

Title Director/COO/President

Dvorak, Mark
205 N. Michigan Ave.
Suite 3600
Chicago, IL 60601

Title Chairman of the board/CEO

Dvorak, Ivan
205 N. Michigan Ave.
Suite 3600
Chicago, IL 60601

Title Secretary

Ahn, Hae-Jin (Priscilla)
56 Queen Street East
Suite 301
Brampton, Ontario L6V 4M8 CA

Title VP

Weise, Kathy
205 N. Michigan Ave.
Suite 3600
Chicago, IL 60601

Title VP

McGuire, William
2601 Westhall Lane
Maitland, FL 32751

Title VP

Danley, Byron
205 North Michigan Avenue
Suite 3600
Chicago, IL 60601

Title VP

Nair, R Shankar
442 E. North Water St.
Chicago, IL 60601

Title VP

Gibson, Paul
5670 Oberlin Drive
San Diego, CA 92121

Title Director/Executive Vice President

Neumann, Timothy D
5700 Fairmount Ave.
Downers Grove, IL 60516

Annual Reports

Report Year	Filed Date
2019	03/28/2019
2019	05/13/2019
2020	05/13/2020

Document Images

05/13/2020 -- ANNUAL REPORT	View image in PDF format
05/13/2019 -- AMENDED ANNUAL REPORT	View image in PDF format
03/28/2019 -- ANNUAL REPORT	View image in PDF format
04/20/2018 -- AMENDED ANNUAL REPORT	View image in PDF format
04/04/2018 -- ANNUAL REPORT	View image in PDF format
11/17/2017 -- AMENDED ANNUAL REPORT	View image in PDF format
06/19/2017 -- AMENDED ANNUAL REPORT	View image in PDF format
04/27/2017 -- AMENDED ANNUAL REPORT	View image in PDF format
04/21/2017 -- ANNUAL REPORT	View image in PDF format
04/04/2016 -- ANNUAL REPORT	View image in PDF format
04/23/2015 -- ANNUAL REPORT	View image in PDF format
04/05/2014 -- ANNUAL REPORT	View image in PDF format
04/15/2013 -- ANNUAL REPORT	View image in PDF format
04/26/2012 -- ANNUAL REPORT	View image in PDF format
02/27/2012 -- Amendment	View image in PDF format
12/22/2011 -- Reg. Agent Change	View image in PDF format
09/21/2011 -- Amendment	View image in PDF format
04/04/2011 -- Foreign Profit	View image in PDF format

APPENDICES



A

**BUSINESS LICENSES
+ CERTIFICATES**

State of Florida

Department of State

I certify from the records of this office that EXP U.S. SERVICES INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on April 4, 2011.

The document number of this corporation is F11000001440.

I further certify that said corporation has paid all fees due this office through December 31, 2022, that its most recent annual report/uniform business report was filed on February 3, 2022, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Third day of February, 2022*



Randy Rye
Secretary of State

Tracking Number: 3966243283CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

State of Florida

Woman & Minority Business Certification

Garth Solutions, Inc

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
September 29, 2022 to September 29, 2024



J. Todd Inman
Florida Department of Management Services



Office of Economic and
Small Business Development

Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6010 • TTY 954-357-5664

This Certificate is Awarded to:

GARTH SOLUTIONS, INC.

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

**County Business Enterprise
Small Business Enterprise
Anniversary Date: June 13th**

A handwritten signature in black ink that reads "Chris Robinson".

Small Business Development Manager

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A service of the Broward County Board of County Commissioners
www.broward.org/smallbusiness

B

PERSONNEL RESUMES

Understanding that the City prefers the proposal to be under 100 pages, full expanded resumes are included in this appendix for your reference only if you need them.



25+

years of sustainability
engineering experience

Professional Registrations

- Professional Engineer – FL (#69589)
+ PR (#19838)
- LEED AP # 0010444929
- Project Management Professional
(PMP #3223782)
- ENV SP (#49992)

Education + Training

- MBA, Harvard Business School,
Boston, MA
- MS (Structural Engineering)
University of California, Berkeley
- BS (Civil Engineering), Massachusetts
Institute of Technology, Cambridge, MA

Affiliations + Memberships

- Coral Gables Sustainability Board
Member
- Greater Miami Chamber of
Commerce Resilient Solutions
Summit Panelist
- 305 Resilient Working Groups
- Florida Engineering Society
- Southeast Regional Compact for
Climate Change

Awards + Recognition

- Ford Mujer Legendaria for
Environmental and Human
Sustainability (2022)

CARMEN OLAZABAL, PE, PMP, LEED AP, ENV SP

Proposed Role: Principal-in-Charge + Quality Assurance

Carmen is a committed sustainability professional leading in engineering and project management in both the public and private sector. For over 25 years, she has effectively managed technical teams and stakeholders to develop creative solutions and advance discussions into a cohesive and comprehensive sustainable strategy.

Carmen has successfully managed sustainable projects and implemented net zero strategies that reduce greenhouse gas emissions, reduce carbon footprint, and improve air quality by actively tracking progress and effectively communicating with critical stakeholders, including extensive outreach to build public support.

Project Experience

Sustainability Planning + GHG Reduction Initiatives

***City of Coral Gables, Sustainability and GHG reduction Action Plan, Coral Gables, FL (2015)**

Created interdepartmental working teams to develop a plan that guided the sustainability initiatives of the City. Worked with teams to define the City's green goals, strategies and performance indicators to track the City's progress and integrate sustainability into all levels of decision making. The plan set goals to reduce energy and water consumption, fuel usage and overall greenhouse gas emissions by 2025.

***City of Coral Gables, Tree Master Plan, Coral Gables, FL**

Presented and received approval from the City Commission for a plan that evaluated existing trees, created an inventory, comprehensively replaced dead, sick and missing trees throughout the City and outlined future tree monitoring and maintenance plan. The implementation resulted in an improved urban environment with better shading in sidewalks incentivizing alternative modes of transportation, improved air quality, and stormwater mitigation.

***City of Coral Gables, Bike Master Plan Presentation and Adoption, Coral Gables, FL**

Worked on the development of the Bicycle and Pedestrian Plan adopted by the Commission. After the plan, Miami-Dade County identified the City as an emerging leader for creating and promoting safe-cycling initiatives in South Florida. Implementation of the plan will result in trip reduction and therefore reduced GHG emission reduction and improved air quality.

Improving Energy Efficiency + Building Performance

***Town of Miami Lakes, LED Streetlight Conversion Program, Miami Lakes, FL**

Managed the evaluation, procurement and implementation of a LED Streetlight conversion program which consisted of converting approximately 915 streetlights to LED fixtures. It resulted in reduced energy consumption resulting in GHG reduction.

CARMEN OLAZABAL, PE, PMP, LEED AP, ENV SP – *continued*

Proposed Role: Principal-in-Charge + Quality Assurance

***Village of Key Biscayne, Key Biscayne Facility Assessment, Key Biscayne, FL**

Provided facility condition assessment including proposed remedial action and pro-active maintenance work to enhance the energy efficiency of the facility reducing GHG emissions.

Improving Mobility to Incentivize Alternative Transportation Modes and Reduce GHG Emissions

***Town of Miami Lakes, Complete Street Implementation of Business Park East, Miami Lakes, FL**

Led the design team for the client by promoting other forms of mobility via wider sidewalks, dedicated bike lanes, better lighting and increased tree canopy. Evaluated different scenarios for the Client based on expected car trip reduction (i.e. GHG emission reduction), technical efficacy, economic impact and benefit to the public and implementing the public engagement plan.

***Town of Miami Lakes, FDOT Transportation Alternative Program (TAP) 60th Ave., Miami Lakes, FL**

Managed the design and construction phase for the client. The project included the creation of a shared use path, drainage design, cross walks and milling and re-surfacing of the road. The project resulted in trip reduction and therefore reduced GHG emission and improved air quality.

***Ingraham Park renovation and connecting surrounding pedestrian/bike trails Coral Gables, FL (2011-2014)**

Oversaw the complete renovation of 4-acre passive park and the development of the 5-mile multi-modal complete street streetscape to connect the park to the existing nearby bike network.

The project also included improving the safety at the adjoining intersection of Ingraham Terrace and LeJeune Road and dedicating an outer loop for bikes and an inner loop for pedestrian to encourage multimodal uses and enhance safety. The project incentivizes alternative modes of transportation reducing vehicle trips and as a result GHG emissions.

**Work performed at previous firm.*



AJANI STEWART, CFM

Proposed Role: Project Manager

Ajani is experienced in project management and leading multidisciplinary teams. He has been practicing in the areas of sustainability, resiliency and environmental protection in Florida for over 20 years. He also has extensive experience in partnership and capacity building, stakeholder engagement, and FEMA Hazard Mitigation Assistance (HMGP/FMA/BRIC) programs.

20+

years of sustainability
engineering experience

Professional Registrations

- Certified Floodplain Manager – ASFPM
- Stormwater, Erosion + Sedimentation Control Certified Inspector – FDEP

Education + Training

- MBA, Environmental Management, Florida Atlantic University
- BS, Environmental Studies, Florida International University

Affiliations + Memberships

- Steering Committee (former), Southeast FL Regional Climate Change Compact
- Steering Committee (former), Southeast Sustainability Directors Network
- Board liaison (former), City of Miami Sea Level Rise Committee

Awards + Recognition

- 2017 CLEO Institute Climate Leadership Circle Inductee – exclusive annual award recognizing climate leaders in South Florida

Project Experience

Sustainability Coordinator + Resilience Program Manager at City of Miami

*City of Miami, Building Efficiency 305 (BE305) program, Miami, FL

Led the implementation of Miami Dade County's Building Efficiency program for the City which aims at improving energy and water efficiency in large public and private buildings.

*City of Miami, Energy Efficiency and Conservation Block Grant, Miami, FL

Managed \$5M Energy Efficiency & Conservation Block grant and energy performance savings contracts for building retrofits, resulting in over \$200K energy and maintenance savings annually.

*City of Miami, Office of Resilience and Sustainability – Resilience Programs Manager, Miami, FL

Integrated sustainability principles across city operations, capital projects and land-use policies. Aligned the city's strategic plan with sustainability metrics. Co-led the development of Miami's successful application as part of 100 Resilient Cities, Resilient 305 team and served on the leadership team for that effort. Co-Chaired and led stakeholder engagement for the R305 Living with Water Innovative Infrastructure Workgroup.

Sustainability + Resiliency Planning

*Sustainability and Resiliency Assessment – Shell Global, Various Sites, PA

Led assessment of site-specific sustainability and resiliency contexts of sites in PA. Developed site-specific goals, targets, best practices, and metrics to monitor and improve sustainability performance and risk reduction. Aligned recommendations with Shell Global's sustainability goals including for renewable energy and net-zero initiatives; and alignment with UN's 13 Sustainable Development Goals.

*Miami Dade County, GreenPrint Climate Action Plan Implementation, Miami, FL

Implemented various initiatives under the County's GreenPrint Climate Action plan as the sustainability initiatives coordinator. Initiatives were aimed at reducing GHG emissions to 80% of 2008 levels by 2050.

AJANI STEWART, CFM – *continued*

Proposed Role: Project Manager

***Civil Works Strategic Plan Development / U.S. Army Corps of Engineers, Southwest Division (SWD)**

Co-led the development of a Civil Works Strategic Plan (CWSP) for the Galveston TX, Fort Worth TX, Tulsa OK, and Little Rock AR Districts of the USACE SWD. Phased project scope for CWSP included analysis of future threats/opportunities, trends and associated impacts to the SWD's civil works mission, including analyzing physical hazards such as coastal storm risk in Galveston District, economic drivers and population trends. The CWSP will be aligned with a strategic response plan to identify near term actions the SWD must advance now to be best positioned for meeting challenges through a 2035 planning horizon.

***County-wide Sea Level Rise Adaptation Strategy / Miami-Dade County, Miami FL**

Project manager for Miami-Dade Sea Level Rise Strategy. Oversaw all tasks including data gap analyses, engagement and outreach, risk analyses, scenario and adaptation planning, implementation & funding roadmap development. Since launching in 2021, the Strategy has directly resulted in Miami-Dade receiving over \$120M in additional federal and state grant funding for infrastructure and planning projects for hazard mitigation and resilience.

***Shoreline Protection Alternatives Analysis & Funding Strategy, City of Tarpon Springs, FL**

Project manager for technical feasibility analyses of several shoreline and flood mitigation alternatives for Whitcomb Bayou – which is experiencing increasing risk for tidal, surge, and heavy precipitation flood hazards. Analyzes technical/engineering, level of protection, community preferences and regulatory feasibility of alternatives, and developed strategy for alignment with appropriate state and federal funding programs for hazard mitigation and resilience.

**Work performed at previous firm.*



7
years of net zero strategic
planning + sustainability
experience

Professional Registrations

- Member ASHRAE# 0084584791
- NCARB Record # 835865
- Associate AIA # 39194457
- Licensed Architectural Engineer Supervisor # 1211000200 (IR)
- GBCI # 0011067666

Education + Training

- Ph.D., Architecture/Net Zero, Texas A&M University, College Station, TX, 2022
- M.Sc., Sustainable Systems, Rochester Institute of Technology, NY, 2017
- M.ARCH., Architecture & Design, Yerevan State University of Architecture and Construction, Armenia, 2012
- B.Sc., Architectural Engineering, Qazvin Azad University, Iran, 2009
- A.S., Architectural Technology Allameh Mohaddes Nouri University, Iran, 2006

Affiliations + Memberships

- ASHRAE Board Member of Governance
- ASHRAE Sustainability/Government Affairs Chair

HALEH MOGHADDASI, Ph.D., Assoc. AIA, LEED GA

Proposed Role: Net Zero Strategic Planning Lead

Dr. Moghaddasi is an Architectural/sustainable engineer with a specialty in net zero strategic planning, sustainable practices, energy system performance, and project development at both building and community levels.

Her innovative net zero strategies were published in multiple scientific journals to cut emissions in buildings, transportation, and power systems, and provided methods to measure, verify, and track the progress of global Net Zero targets, through energy modeling, energy auditing, and benchmarking.

Her published research on carbon neutrality and her current services at EXP has been applied in higher education, residential, commercial, retail, and other public buildings/projects. Her research was acknowledged with multiple awards and recognitions, and she was named a 2022 Linda Latham Scholar by The American Council for an Energy-Efficient Economy (ACEEE).

Dr. Moghaddasi is also an adjunct professor at the University of Miami, School of Architecture. She is a Full Member Grade in ASHRAE Miami Chapter and acts as a Board Member of Governance and Sustainability/Government Affairs Chair.

Project Experience

*Miami International Airport Solar Feasibility Study, Miami, FL, USA (2022-Ongoing)

Quality assurance. EXP was contracted by the Miami-Dade Aviation Department (MDAD) to review and evaluate the potential of locating a solar photovoltaic system on the roof of the Miami International Airport Terminal Complex. This project considered a complete system installation including solar panel array locations, space for support equipment, and recommended types of solar panels best suited for installation.

*Developing Net Zero Strategic Planning, Serenbe Development, Atlanta, GA (2017-2022)

Net Zero Expert/Leading Researcher. Dr. Moghaddasi conducted energy analysis at the building and community levels, including benchmarking, energy modeling and utility data analysis; calculated cost and energy savings, and net zero rating for individual buildings and the entire community that accelerate the project's carbon neutrality goal. Dr. Moghaddasi estimated that the project could save around 65–90% in utility energy use compared to the baseline and become Net Zero by 88% (onsite renewables), where the project could purchase RECs and become 100% NZ. Sites Area (1,200 acres). The project is developed by 30% (2020-ongoing) by the Serenbe Development.

*NYSERDA Carbon Challenge Program, in response to the Rochester Climate Action Plan, City of Rochester, Department of Environmental Services, Rochester, NY (2018)

Sustainability Specialist. Assisting in developing a net zero framework to strategize indicators that could help accelerate achieving Rochester' Climate Action Plan.

HALEH MOGHADDASI, Ph.D., Assoc. AIA, LEED GA – *continued*

Proposed Role: Net Zero Strategic Planning Lead

- ASHRAE-DOE Schools Pilot Program Member
- American Institute of Architects (AIA)-Associate Member
- ASHRAE-Full Member
- US Green Building Council Los Angeles (USGBC-LA)
- The National Council of Architectural Registration Board (NCARB)
- International Code Council (ICC)
- National Center for Faculty Development & Diversity (NCFDD)

Select Publications

- Net zero and electrified buildings: Establishing a new nomenclature for world-wide use, American Council for Energy-Efficient Economy (ACEEE), 2022
- Adaptable Net Zero Model: Energy Analysis of a Monitored Case Study, Journal of Energies, May 2022
- Net Zero Energy Communities: Integrated Power System, Building and Transport Sectors, Journal of Energies, October 2021
- Net Zero Energy Buildings: Variations, Clarifications, and Requirements in Response to the Paris Agreement, Journal of Energies, June 2021
- What it Takes to Become a Net Zero Development: Case Study of Serenbe, Georgia, Prometheus Journal, May 2020

***Eppright Hall, Utility Efficiency of the Residence Life Division of Student Affairs, Texas A&M University, College Station, TX (2020)**

Project Manager/Sustainable Analyst. Our team was responsible for providing energy efficient solutions to optimize energy efficiency, including LED lighting technology, solar PV, green roof, water waste management, high performance window glazing, commissioning, and energy modeling in campus buildings.

***Golisano Institute for Sustainability Building, LEED Platinum, Golisano Institute for Sustainability, Rochester Institute of Technology, NY (2016)**

Quality assurance. Responsible for visiting the PV sites and approving site tests.

***Arnett library and Public Market, PV Fieldwork Inspection, City of Rochester, Department of Environmental Services, Rochester, NY (2018)**

Quality assurance. Responsible for visiting the PV sites and approving site tests.

***LaMarketa Community Sustainable Planning, City of Rochester, Department of Environmental Services Rochester & Neighborhood Development, NY (2017-2019)**

Project Manager/Lead Designer. Responsible for designing and developing site plans and cost estimating. Services included, the expression of architectural, historical, and cultural neighborhood identity, promoting sustainable design, maintain and appeal new local businesses for a variety of goods and services, repurposing current vacant assets while considering the suitable amounts and usages of greenspaces, and addressing the vehicular, pedestrian, bike, and public forms of transportation within the neighborhoods with the deliberation of parking services. Sites Area (Approx. 1300 LF or 72,765 SF).

***Driving Park/Dewey Avenue, City of Rochester, Department of Environmental Services Rochester & Business Development, Rochester, NY (2019)**

Project Manager/Lead Designer. Responsible for preparing preliminary designs and creating architectural renderings for the front elevations of the 12 commercial façade improvements in the Driving Park/Dewey Avenue area. The design included the improvement of all facades, pedestrian walkways, planting space, canopies, drainage design, signage, and street lighting. The amount leverages \$30,000 in grant funds for the façade improvements to help owners to overcome their reluctance to invest \$4,500 from their own funds. (Approx. 2000 LF).

***Didar Commercial Building, Sustainable/Mixed-Use Center, Tehran, Iran (2015)**

Project Manager/Architect, responsible for preparing interior design drawings, and updating project schedule and site progress. Led a team of five individuals to design and develop the project.

**Work performed at previous firm.*

HALEH MOGHADDASI, Ph.D., Assoc. AIA, LEED GA – continued

Proposed Role: Net Zero Strategic Planning Lead

***Damavand Center, Sustainable/Mixed-Use Center, Tehran, Iran (2014)**

Project Manager/Architect, responsible for preparing design drawings, and construction plans, and updating project schedule and site progress. Led a team of five individuals to design and develop the project.

***Iranian Organization for Engineering Order of Building province, Designing Central Engineering Institute (Competition), Mazandaran, Iran (2013-2015)**

Licensed Architectural Engineer Supervisor. Responsible for supervision of design drawings, construction, and implementation of projects.

***University of Miami, School of Architecture, Teaching Experiences, Miami, US (2022-2023)**

Adjuncts Professor. Design Studio (I), Net Zero Practices in Architecture; and Environmental Building Systems II.

**Work performed at previous firm.*



YVONNE GARTH

COMMUNICATIONS MANAGER

PROFESSIONAL BIO

YEARS OF EXPERIENCE

26

SKILLS & SPECIALTIES

Public Outreach management
Campaign execution
Brand management
Marketing communications
Stakeholder communications
Strategic planning

WHY YVONNE?

Extensive experience coordinating public outreach on various projects over the past 20 years.

Trusted Public Relations & Marketing expert with over 30 years of developing successful strategies for high profile clients.

Planned and implemented successful events of different scopes to connect clients with the intended parties.

Provides her clients with outstanding service by consistently thinking outside the box to deliver innovative solutions.

Yvonne, CEO of Garth Solutions, offers over 20 years of experience in creating successful communications and community outreach for infrastructure projects in South Florida. She leads GSI's support with public awareness campaigns promoting stakeholder education, engagement, and community buy-in.

With expertise in communication plan development, media relations, and community facilitation, Yvonne is the trusted partner of notable public sector organizations in Florida and beyond. Her deep community relationships earned her a reputation as a key resource for leaders in global firms and public agencies alike. Yvonne's ability to deliver consistent, measurable results through effective solutions makes her the ideal partner for this project. Yvonne and GSI are committed to working closely with you to achieve your goals and surpass your expectations.

PROJECTS & EXPERIENCE

City of St. Petersburg Vision 2050 Plan | St. Petersburg, FL

Broward County Public Schools Bond Program | Fort Lauderdale, FL

Las Olas Beach Park Project | Fort Lauderdale, FL

Conceptual Streetscape Design for Las Olas Boulevard | Fort Lauderdale, FL

City of Hollywood New Police Headquarters | Hollywood, FL

City of Hollywood Blvd Landscaping | Hollywood, FL

Boca Raton Airport Authority | Boca Raton, FL

Naples Airport Authority | Naples, FL





BRANDON DE REUVER

GRAPHIC/CONTENT DESIGNER

PROFESSIONAL BIO

YEARS OF EXPERIENCE

15

SKILLS & SPECIALTIES

- Strategic planning
- Creative Direction
- Copywriting
- Strategic Storytelling
- Multimedia production
- Presentation development

WHY BRANDON?

Experience creating and implementing comprehensive communication plans.

15 years of diverse experience creating digital content for a variety of platforms and mediums.

Strong understanding of social media marketing, analytics, paid advertising, and other online promotional tools.

Experience in campaign management, copywriting, and videography.

Builds powerful connections between brands and their audiences.

With over 15 years of experience that ranges from copywriting and presentation development to social media marketing and web design, Brandon now uses his diverse experience to lead strategic communications planning for many of GSI's high-profile clients, including the Broward County Public Schools \$1.4 Billion SMART Bond Program and Naples Airport Authority's Marketing and Public Relations projects. Brandon's focus on thorough research and out-of-the-box thinking paired with his hands-on experience in a wide variety of creative roles has resulted in the production of in-depth marketing plans and purpose-driven deliverables that work to achieve long-term client objectives.

Overall, Brandon's focus on thorough research, coupled with his expertise in website design and development, helps him to create communication strategies that are not only effective, but also aesthetically pleasing and user-friendly. His ability to combine creativity and strategy has been instrumental in the success of many of GSI's high-profile projects, and his dedication to delivering results makes him a valuable asset to the team.

PROJECTS & EXPERIENCE

Broward County Public Schools Bond Program | Fort Lauderdale, FL

Boca Raton Airport Authority | Boca Raton, FL

Naples Airport Authority | Naples, FL

City of Hollywood Blvd Landscaping | Hollywood, FL

Conceptual Streetscape Design for Las Olas Boulevard | Fort Lauderdale, FL

City of St. Petersburg Vision 2050 Plan | St. Petersburg, FL

Las Olas Beach Park Project | Ft. Lauderdale, FL





17+

years of energy management
+ carbon emission reduction
experience

Professional Registrations

- Professional Engineer – CA, FL, GA, IL, PA
- Leadership in Energy and Environmental Design Accredited Professional (LEED AP BD+C)
- Commissioning Authority (CxA)
- Florida Green Coalition HiRise Design Professional

Education + Training

- Masters of Architectural Engineering, Pennsylvania State University, University Park, PA
- Bachelor of Architectural Engineering, Pennsylvania State University, University Park, PA

Affiliations + Memberships

- US Green Building Council (USGBC)
- University of Florida Green Building Learning Collaborate (UF GBLC) Advisory Board
- USGBC Central Florida, Board Member and Chair, Present
- USGBC Central Florida, Vice Chair {CY2020}, Secretary {CY2018-19}, Membership Promotion Chair {CY2013-14}
- USGBC Women In Green Mentorship to Sponsorship Co-Chair, Present

AMY PASTOR, PE, CxA, LEED® AP, ENV SP

Proposed Role: Energy Efficiency Lead

Amy is the Vice President of Sustainability. A licensed Mechanical Engineer, Amy has a diverse background in design, commissioning, energy studies, energy modeling, measurement and verification (M&V), sustainability and project management. Amy takes a holistic approach to sustainability; however, her main focus is on energy audits and LEED-related Commissioning.

Amy provides expertise in energy studies and model calibrations, validating real-life energy bills and calibrating the M&V resources of a facility. She believes that, through all of these focuses, we can make a difference by saving wasted energy and providing positive impacts on the environment through energy conservation measures. She has personally worked on over 180 LEED Certified projects.

Project Experience

UCF Alumni Center, Orlando, FL

In 2007, UCF committed to becoming climate neutral by the year 2050. UCF has made remarkable progress toward that goal. Buildings are more efficient, employ the latest energy saving technologies, use cleaner energy, and conserve our natural resources. As a result, existing buildings on campus use 38% less energy than when efforts began. The UCF FAIRWINDS Alumni Center is a 26,953 SF existing building constructed in 2005. EXP provided LEED Administration and ASHRAE Level 1, 2 and 3 Energy Audits for the Alumni Center, which achieved LEED Gold under the v4 O+M: Existing Buildings Rating System. Amy was the Project Manager, LEED Administrator and the Energy Audit Professional.

Illumina Hayward, Hayward, CA

Prior to planned upgrades to the HVAC systems at the illumina facility in Hayward, CA, EXP was engaged to provide base line commissioning efforts. This audit included collecting relevant temperature, humidity and airflow data to benchmark the facility's current operating conditions. After the new systems were installed, EXP provided commissioning of the HVAC and building automation system controls, to ensure that a reduction in energy and greenhouse gas emissions has been realized. Amy was the Project Manager, coordinating directly with the owner and facility team to schedule pre- and post-installation test efforts.

SeaWorld Parks Building Automation System Updates, Multiple Locations

Sea World Parks & Entertainment contracted EXP to perform site analyses on four of their theme parks in the US (Sea World San Antonio, SeaWorld San Diego, Busch Gardens Williamsburg and Sesame Place). The goal of the site analyses was to determine areas of the park that could best benefit from being retrofitted and upgraded to a centralized Building Automation System (BAS) in an effort to have better control of the systems and to reduce operational costs and greenhouse gas emissions from energy and water use in the park and buildings. Along with site analyses, EXP prepared documentation to assist SeaWorld in bidding the project to contractors, including development of control drawings, specifications and a Request for Proposal document that was issued to the bidders.

AMY PASTOR, PE, CxA, LEED® AP, ENV SP – *continued*

Proposed Role: Energy Efficiency Lead

- Membership Promotion Co-Chairperson, ASHRAE Central Florida, 2007-10
- American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

Select Publication

- Florida Engineering Society Journal, Energy Edition 2020

Awards + Recognition

- BD+C 40 Under 40, 2020

Amy was the Project Manager, client interface and technical advisor, performing QA/QC on all documents prepared for Sea World.

Coral Gables Public Safety Building, Coral Gables, FL

Located in the heart of historic Coral Gables, the new Public Safety Building houses the city's Police Headquarters and Administration, Fire Department Administration, 911 Call Center, First Responders Dispatch Center, EOC Command and Operations, Fire Station #1, Human Resources Department, Labor Relations, and IT Department. The Public Safety building has been designed with several enhancements to ensure operation during power grid failure. These include an uninterruptable power system, two parallel 1,500 kW gensets (located above the flood plain), and redundant air-conditioning to ensure indoor conditions for critical operations center. EXP provided LEED Fundamental and Enhanced Commissioning for the building's MEP systems. Amy was the Principal in Charge for the project.

Pena Station NEXT, Denver, CO

Pena Station NEXT is a 400-acre "transit-oriented" smart city development on the train route connecting Denver to its international airport. The project is a showcase for the possibilities of microgrids that combine solar panels and energy storage, in conjunction with power distribution provided by local utilities. Amy was the Project Coordinator for EXP, interfacing with the client and coordinating schedule and deliverables from the EXP team. Amy also led the energy modeling efforts, determining the estimated annual energy consumption on the site for the assumed program.

Marina Bay Sands, Singapore

Marina Bay Sands (MBS) is the highlight building of the Singapore skyline. The facility consists of 2,560 rooms over 3 hotel towers. Other amenities include the SkyPark, Casino gaming floors, 4 levels of shopping, the Meetings, Incentives, Conventions & Exhibitions (MICE), two large Theatres, and the Art & Science Museum. (ASM). EXP performed functional testing on all airside and waterside equipment, including the five chilled water heat exchanger and pumping systems, connected to the local utility - Singapore District Cooling (SDC). EXP, with MBS Facility Staff, developed Facility Improvement Measures (FIMs), with the goal of creating the most efficient system operations for the property, allowing the project to pursue 4 individual LEED Existing Building certifications. Through enhancements to the energy management system, in connection with these FIMs, large reductions in energy usage were seen throughout the property. Amy was the Project Manager, LEED Administration and technical advisor for QA/QC on the project, interacting with the client and the EXP team to meet the project goals of energy efficiency and LEED O+M certification (ASM - O+M Gold; MICE - O+M Platinum).

AMY PASTOR, PE, CxA, LEED® AP ENV SP – *continued*

Proposed Role: Energy Efficiency Lead

Vas Water World, Abu Dhabi

EXP performed a site survey, energy study and retro-commissioning at the Yas Water World park in Abu Dhabi. Onsite efforts focused on finding energy saving in the pool heating and cooling system (i.e. heat exchangers, pumps, filtration equipment). EXP observed issues with programmed sequences of operation, maintenance deficiencies, and pressurization issues, causing inefficient operations of the entire pump system operations. The most notable issues observed were due to the improper programming and maintenance of the boilers for the park. EXP worked with the Owner and a local service company to present new, efficient boiler control sequences and improved graphical user interfaces. Amy was the Project Manager and technical advisor, providing QA/QC for all deliverables to the client.

Additional Experience

Energy Audits, Model Calibrations + Other Services

- Ascension Health Care
- Retrocommissioning & Facility Improvement – Corporate Initiative
- Commissioning Standard Development – Corporate Initiative
- Energy Audits, Multiple Locations in FL and MI
- Bohemian Savannah Energy Audit, Savannah, GA
- [REDACTED]
- Ferrari World and Yaz Waterworld, Abu Dhabi
- Liberty Property Trust Partnership Facilities – Energy Star Validations, Multiple Locations in FL
- Lynx Operations – Facility Preventative Maintenance Scheduling, Orlando, FL
- Maitland Summit Sub-Metering Verification, Maitland, FL
- Resurrection Health Care, 3 facilities, Chicago, IL
- The Palazzo Resort-Hotel-Casino, Las Vegas, NV – Energy Model Calibration
- SeaWorld Parks & Entertainment – Energy Audits, Multiple Locations

Commissioning, LEED + Energy Modeling Experience

- Broward County Convention Center and Hotel, Ft. Lauderdale, FL – Pursuing LEED Certification
- 1301 Shoreway Drive, Belmont, CA – Pursuing LEED Certification
- 1Door4Care, Ottawa, ON – Pursuing LEED Certification
- 2nd & 2nd, Miami, FL
- 200 Kansas Street, San Francisco, CA – Pursuing LEED Certification
- 2020 Salzedo, Coral Gables, FL – LEED CSv2009 Certified
- 2121 Dwight Way, Berkeley, CA – LEED NCv2009 Gold
- 425 N. Boylan, Raleigh, NC – LEED NCv2009 Gold
- 642 Quarry Road, San Carlos, CA – Pursuing LEED Certification
- 777 Industrial Road, San Carlos, CA – Pursuing LEED Certification
- 850 NW Office Towers 1 and 2, Miami, FL – FGBC Certified
- ACC East Orlando, Orlando, FL
- ACPT Office, St. Petersburg, FL – Pursuing LEED NCv2009 Certification



21+

years of sustainable transportation engineering experience

Professional Registrations

- Professional Engineer – FL (#77979)
- Temporary Traffic Control (TTC) Advanced, No. 43438
- FDOT Local Agency Program + Federal Highway Administration Certification, 2019

Education + Training

- B.S., Civil Engineering, University of Detroit Mercy, Detroit, MI

Affiliations + Memberships

- Member, Florida Board of Professional Engineers

ROXANA MATAMOROS, PE

Proposed Role: Sustainable Transportation Lead

Roxana has over 21 years of experience in sustainable transportation including roadway design and operations, pedestrian and bicycle facilities, and transportation safety. She is a well-established professional in multi-modal roadway design engineering communities. She has experience working on roadway projects for both the Florida Department of Transportation (FDOT) and various municipalities throughout the State of Florida and is a licensed Professional Engineer.

Project Experience

Fuchs Park Improvements, South Miami, FL (2018-Ongoing)

Senior Engineer and EOR. Providing contract documents to construct a new perimeter asphalt trail around the existing lake at Fuchs Park. All improvements within this project shall be in accordance with the American for Disabilities Act (ADA), including providing access to the existing pavilion areas, restroom facilities, and lakeside benches. This project included construction administration (CEI) as well.

Kayak Dock, Canoe Launch and Parking Lot Design, Cutler Bay (2017-2021)

Project Engineer and EOR. Design services for the conversion and rehabilitation of the existing vacant land located at Lakes by The Bay in Cutler Bay, Florida, into a new park which includes a handicap accessible canoe and kayak launch, fishing pier, one educational pavilion and two recreational pavilions. Services included construction administration services (CEI)

Atlantic Shores Boulevard Complete Street Roadway Improvements, Hallandale Beach (2018-Ongoing)

Project Engineer. The City of Hallandale Beach retained MARLIN to provide design and reconstruction services for Atlantic Shores Boulevard from Diplomat Parkway to US 1. Roadway improvements are intended to increase safety and improve the roadway and streetscapes on Atlantic Shores Boulevard. This is a Complete Streets project that addresses on-street parking and creates a more pedestrian-friendly corridor by implementing wider sidewalks.

Miami-Dade County, Engineering and Design Under the FDOT Safe Routes to School Local Agency Program (LAP) (2017-Ongoing)

Project Engineer. This is a Continuing services contract for the engineering, Design and post-design services for the preparation of design documents for the construction of FDOT Safe Route to School LAP contracts. Roxana was responsible for roadway design on this LAP contract.

FDOT District 4, Districtwide Minor Design Projects (2006-2011; 2016-Present)

Project Engineer. Districtwide minor design contract varies in task work order assignments, including design and in-house support. Assignments included preparing contract plans for safety projects, signing and pavement marking, signalization and lighting, adaptive signal control, and developing the Design-Build/RFP scope package.

ROXANA MATAMOROS, PE – *continued*

Proposed Role: Sustainable Transportation Lead

FDOT District 6, Key Deer Preservation and US 1 Improvements

Structural Engineer. Bridge design services required to provide under-roadway underpasses for the endangered Key Deer that inhabit Big Pine Key in the Florida Keys. Both underpasses are concrete bridge structures with a crossing width of 25 feet and a height of 8 feet. The dimensions were set by researchers who studied the deer and determined these dimensions would provide the deer with a sense of safety and comfort, thereby encouraging the use of the crossing. Deer guards consisting of steel grid decking, customized to the roadway's width and 25 feet in length, were also designed. They were installed at the four side roads that intersect US-1 and one across US-1 to prevent the deer from accessing the corridor. The project also included overhead sign structures and signal mast arms.

Miami-Dade County, Miami International Airport North Terminal Development Automated People Mover (APM)

Structural Engineer. Design of 2,500 feet of the elevated concrete guideway for this APM system. This project included two cross-over units. Also, extensive coordination with Sumitomo Corporation of America (SCOA), the APM supplier, was an essential requirement since numerous embedments, conduits, and blackouts are required in the guideway structure to accommodate the electrical systems.

**Work performed at previous firm.*

20+

years of sustainable transportation engineering experience

Professional Registrations

- Professional Engineer – FL (#66759)

Education + Training

- B.S., Civil Engineering, University of South Florida, 1999
- Modeling and Simulation of Transportation Network, Massachusetts Institute of Technology, 2011

Affiliations + Memberships

- Member, Florida Board of Professional Engineers

JOSE CLAVELL, PE**Proposed Role: Sustainable Transportation**

Jose has over 20 years of experience managing multimodal planning and preliminary design projects and design projects. His experience includes work in the multiple SMART Corridor, Transit and PD&E Studies throughout his career. Jose was the Project Manager for the City of Miami Beach Master Plan currently being used by the CMB. Jose has vast experience in the development of concepts for transit corridor within an urban area.

Jose was part of the Technical Oversight Committee of the Smart Plan in Miami-Dade County created by FDOT for the development of Transit corridors including BRT, LRT, HRT and BERT.

Jose has also served as the FDOT District Six reviewer for Multimodal Development Component as part of his support of Modal Development. In addition, he has conducted multiple multimodal feasibility studies, master plans, and has provided grants and funding management support for the Florida Department of Transportation (FDOT) Office of Modal Development. He also contributed to the PD&E Manual and the development of manhour estimate when developing PD&E Scopes.

Project Experience**1-395 Pedestrian Baywalk And Bikeway Bridge Project, Miami, FL**

Architectural and Engineering Services for the 1-395 Pedestrian Baywalk and Bikeway Bridge Project. Services to design a ped/bike bridge, and develop this project from conceptual design, through schematic and design development, all the way to 100% construction documents and permitting approvals, with the end goal of a bid document package. 2014 - 2015.

City of Miami Beach, Transportation Master Plan, Miami-Dade County, FL

Project Manager responsible for this transportation element intended to provide direction for the future of the City of Miami Beach transportation system. This plan will be integrated into the City of Miami Beach 2025 Comprehensive Plan, and in particular with transportation plans that will affect the City of Miami Beach Transportation Network including local, regional and state plans. This Master Plan updated their existing City of Miami Beach Municipal Mobility Plan and provided a project bank for the City of Miami Beach. This effort will also include interagency coordination and public outreach. Project Length: Over 22.6 miles of Arterial Roadway. Project Duration: 2013- 2014.

City of Miami Beach I West Avenue Bridge Project Development and Environment (PD&E) Study, Miami-Dade County, FL

Project Manager for a PD&E study to construct a new low-level bridge on West Avenue over the Collins Canal. The study was conducted by the City of Miami Beach with FDOT through the Federal Highway Administration's (FHWA) Local Agency Program (LAP). Proposed improvements included a new roadway and a low-level fixed bridge over the Collins Canal.

JOSE CLAVELL, PE – *continued*

Proposed Role: Sustainable Transportation

The bridge includes two bi-directional through-lanes and turn lanes, as well as bike lanes and sidewalks on each side. The West Avenue Bridge is already constructed and complemented the City's efforts to provide a greater degree of connectivity. Project Length: approx. BOO LF.. Project Duration: 2012-2014.

FDOT District 4, South Florida East Coast Corridor Transit PD&E Study; Tri-Region SF, FL

Senior Engineer for the completion of alternatives analysis study and the selection of a corridor-length locally preferred alternative. This 85-mile-long corridor study involves evaluating a short list of transit technologies and station locations in a 1-mile-wide study area centered on the existing Florida East Coast Railway line. Project Length: 85 miles. Project Duration: Ongoing

FDOT District 6 I Kendall Corridor PD&E Transit Roadway Study; Miami-Dade, FL

Project Manager for this PD&E study consisting of evaluating transit/roadway alternatives by analyzing the future demand for these transportation facilities and services. In 2002, the SR-94/Kendall Drive Corridor (Kendall Corridor) was identified as one of six Rapid Transit Corridors in the People's Transportation Plan (PTP). Miami-Dade TPO Governing Board directed that the Kendall Corridor be implemented in an expedited manner assuming full Bus Rapid Transit (BRT), Light Rail Transit (LRT), Heavy Rail Transit (HRT), or other appropriate premium transit modal technologies and strategies including reversible lanes. Project Duration: Ongoing

FDOT District 6 I Public Transportation Consultant Services; Miami-Dade, FL

Project Manager responsible for this contract consisting of public transportation grants management, plans reviews, interagency coordination, conducting corridor analysis studies and providing support for transit technical reviews. Responsibilities were specifically to oversee programs and included preparing scopes and cost estimates, reviewing for compliance of all technical items for Transit Programs in Miami-Dade County. Project Duration: 2018

**Work performed at previous firm.*



10+

years of sustainability +
resilience planning experience

Professional Registrations

- Envision Sustainability Professional (#32299)

Education + Training

- MS (Sustainable Management), University of Wisconsin, WI
- BA (Environmental Science), Linfield University, OR

Affiliations + Memberships

- Institute for Sustainable Infrastructure
- American Association of Airport Executives
- Airports Council International North America
- GreenBiz Group

Speaking Engagements

- “Transition to Alternative Fuels” NWAAA Annual Conference, Kelowna, British Columbia, Canada, September 2023
- “Future of Airport Resiliency” ACI-NA/ACC NEPA Workshop Conference, Washington, DC, USA, December 2022
- “Net Zero Carbon Footprints,” National Airports Conference (NAC), Orlando, FL, USA, October 2022

JOSEPH GALE, ENV SP

Proposed Role: Sustainability Planner

Joseph has 10 years of experience in sustainability and resilience planning, environmental management, and strategic partnering to implement net zero initiatives. He has undertaken major sustainable and environmental planning assignments at the Seattle-Tacoma International Airport, Miami International Airport, LaGuardia Airport, Hollywood Burbank Airport, Tampa, Atlanta, Indianapolis, and others. The GreenBiz Group and World Business Council for Sustainable Development named Joseph as one of the 2018 “30 Under 30” based on a global search for emerging leaders shaping the next generation of sustainable business.

Project Experience

Miami International Airport, Solar Feasibility Study – Terminal Wide Re-roofing and Lightning System Upgrades, Miami, Florida

This project involved review and evaluation of locating a solar PV system on the roof of the Miami International Airport Terminal Complex. This project considered a complete system installation including solar panel array locations, space for support equipment, recommended types of solar panels best suited for installation, understanding of the roof’s structural membrane and systems, ROM calculations of electrical power generation, electrical configurations to the roof, electrical rooms for DC to AC inverter panel locations and connections to the building electrical system were evaluated. This project also included a phasing plan to implement the PV installation, maintenance considerations and costs, value analysis, and stakeholder considerations. The project is now in design/installation phase. Role – Project Manager.

Coalition for Disaster Resilient Infrastructure (CDRI), Global Study on Disaster Resilience of Airports – Phase 2, New Delhi, India

This project evaluated the disaster resilience of global airport infrastructure and is comprised of two parts: 1) a comprehensive disaster risk study of infrastructure across selected airports and 2) financing mechanisms for these airport’s investments in disaster-resilient infrastructure. The disaster resilience of selected airports evaluated historical disaster impacts, hazard exposure mapping, resilient planning and design, and business continuity plans. Financing mechanisms for airports and investments in disaster resilient infrastructure included evaluation of financial mechanisms for airports, disaster impact, wider economic benefits, and investor appetite. Role – Project Manager.

Seattle-Tacoma International Airport, Municipal Solid Waste to Liquid Fuels (SAF) Study, Seattle, Washington

This project evaluated the feasibility of directing some or all the municipal solid waste (MSW) and other material received in King County and other regional (western WA and OR) solid waste facilities to a potential future sustainable fuel production facility. This joint initiative funded by the Port of Seattle and King County Solid Waste Division was intended to support both entities in achieving their greenhouse gas emission reduction, economic development, and waste goals.

JOSEPH GALE, ENV SP – *continued*

Proposed Role: Sustainability Planner

The study provided insight into the potential costs and benefits from building and operating a renewable energy fuel production facility that uses regionally generated MSW and will evaluate feasible conversion technologies, existing feedstocks, identify and evaluate facility locations, project financing, and partnership opportunities with potential equity and social justice implications for host communities, emissions, and employment. Role – Project Manager.

Tampa International Airport, Sustainable Management Plan, Tampa, Florida

This project included the redevelopment and refinement of the airport's Sustainable Management Plan including sustainability initiatives, sustainability program implementation planning, and a toolkit to support implementation. Key actions resulting from this project included in-person workshop and presentation materials for airport mission and visioning sessions, sustainability initiative identification, and implementation support. Role – Project Manager.

Tampa International Airport, Initial Resiliency Assessment and Action Plan, Tampa, Florida, USA

This project involved an initial climate change resiliency assessment and initial action plan to understand potential changes in the climate (including higher temperatures, extreme precipitation, and sea level rise) that may cause risks and vulnerabilities to Tampa International Airport's (TPA) assets and operations in the future. The study took a deeper look at the potential impacts caused by changes in climate and paired them with 73 of TPA's on-airport and regional assets and 10 critical airport operations to create over 1,000 asset-impact pairs. The project then determined the risk and vulnerability of each asset-impact pair to identify assets and operations that may experience the negative effects of climate change. Using an adaptive management approach, this deliverable provided TPA with a roadmap to develop cohesive planning, design, and operational tactics to build resilience. Role – Project Manager.

John Glenn Columbus International Airport, VALE Grant for Ground Power Units and Pre-Conditioned Air, Columbus, Ohio, USA

This VALE Grant included a request to install electrified gates and preconditioned air units that would supplant reliance on aircraft Auxiliary Power Units (APUs) at John Glenn Columbus International Airport (CMH) for gates B36 and C48. Gates B36 and C48 shall be fitted with refurbished passenger boarding bridges installed under a concurrent project. This project included criteria pollutant reduction measures, emission reduction measures, confirmation of estimated emission reductions, relationship to the state's implementation plan, funding sources, cost effectiveness, project commitments, and a project schedule. Responsible for project management and client-interfacing. In FY 2018, CMH successfully received VALE Grant funding for \$368,551. Role – Air Quality Lead.

North Florida Transportation Planning Organization, Electric Vehicle Workshop and Charging Station Feasibility Study, Jacksonville, Florida, USA

This project included a four-day electric vehicle (EV) workshop held with the North Florida Transportation Planning Organization to review types of EV technologies, types of charge, battery size and range, EV infrastructure/multiple charge points, business benefits of investing in EVs, Jacksonville Energy Authority energy mix, EV comparison chart, federal fleet management requirements, EV infrastructure map, local case studies, EV infrastructure and EV vehicle growth projections, and a Q&A, feedback and barriers to implementation discussion. This project also included a preliminary charging station feasibility study summarizing capital, operating, and maintenance costs specific to EV charging station investment. Role – Project Manager.

**Work performed at previous firm.*



12+

years of transportation,
land use planning, + public
engagement industry xperience

Professional Registrations

- AICP – FL (#77979)

Education + Training

- Middle Georgia State University
- M.S., Digital Forensics University of Central Florida
- Public Speaking & Media Relations Training
- Public Involvement Training, FEMA
- Toastmasters
- LEAN Six Sigma Certification
- Smartsheet Certification

Affiliations + Memberships

- American Institute of Certified Planners
- Vice Chair, American Planning Association of Florida- Sun Coast Section
- Member, American Planning Association of Florida- Equity, Diversity, and Inclusion Committee
- Member, American Planning Association of Florida- Editorial Committee
- Mentor, American Planning Association of Florida- Mentorship Program

AMY ELMORE, AICP

Proposed Role: Land Use Planner

Amy is a highly motivated planning professional with a commitment to personal and professional excellence. She excels in a challenging and fast-paced environment with a high level of detail, strong verbal communication skills, excellent analytical and planning skills, and the ability to manage multiple projects and tasks successfully to meet and exceed organizational goals.

She brings more than 12 years' experience working with both the public and private sectors encompassing a myriad of disciplines in planning, communications, media relations, public involvement, and project management.

Her background includes developing and managing equity-focused, innovative planning and communications strategies, as well as forming intergovernmental and community partnerships, public information/communication programs, safety planning, multimodal planning, community planning, change management, consensus building, interagency collaboration, community outreach, special event planning, high profile campaigns, and crisis management. She has managed many planning projects, including local and regional Long Range Transportation Plans, especially related to public engagement programs for Environmental Justice Areas, and in compliance with Title VI and ADA regulations for local planning departments, regional agencies, regional non-profits, and local Metropolitan Planning Organizations and Planning Councils.

Notable Experience

- 50+ Safety/Educational Campaigns
- 100+ Public Outreach Campaigns
- 15+ presentations given for local, state, and national conferences on topics including equitable outreach, hybrid outreach, building relationships, negotiating through public discourse, social media, public engagement, & ADA compliance
- Mobility Studies
- Target Zero Plans/Campaigns
- Regional Transportation Studies
- Transit-Oriented Development Studies
- Geofencing Studies
- Summit Planning
- Rebranding & Website Design
- Dashboards/Performance Measures
- Zoning & Land Use Analyses
- Zoning & Land Use Amendments
- Site Reviews
- Comprehensive Plan Updates

AMY ELMORE, AICP – *continued*

Proposed Role: Land Use Planner

Project Experience

FDOT District Seven, PD&E Continuing Services

Value Innovation Community Planner. This contract will provide development and implementation of the community awareness /public involvement activities for various projects within the district. As part of this, Amy is responsible for the contractual services of Public Information Services for District Seven PD&E, construction, planning, and design. Responsibilities include construction public outreach and community outreach; plan and execute special events; prepare news releases, public service announcements, and fact sheets for news media; social media coordination, graphic services, maintaining databases including mailing lists and public inquiries and complaints; customer service, project website creation and maintenance and preparation of all project collateral materials, videos, and presentations. (2022-present)

Hillsborough County Comprehensive Plan Update

Project Manager. EXP has been providing facilitation to ensure meaningful public engagement for the Future Land Use Section update of the unincorporated Hillsborough County Comprehensive Plan. This project will include public engagement, stakeholder engagement, elected and appointed official liaison, and overall policy recommendations. (2022-present)

Plan Hillsborough General Planning Services

Project Manager. EXP has been providing General Planning Services to Plan Hillsborough, including the following activities: public outreach, strategic planning, community planning, facilitation, master planning, planning, and zoning reviews, preparation of applications for planning grants, videos, graphics, presentations for public meetings, development and implementation of hybrid public workshops, and preparation of any technical documents to support the staff as requested. (2022-present)

FDOT District Six, NW 67 Intermodal Corridor Study, Miami-Dade County, FL

Senior Transportation Planner and Public Engagement Lead. This project part of an evaluation of a roadway segment of the National Highway Freight Network (NHFN) to develop improvements that address existing and future operational, social, economic, and safety needs of this corridor that includes the cargo area of the Miami International Airport as well as the adjacent street network that encompasses parts of NW 36 Street, Perimeter Drive, and NW 25 Street. It will also provide freight travel continuity to this critical regional system and a large industrial and trade area. (2022-present)

FDOT District Six, NW 36th Street Multimodal Corridor Study, Miami-Dade County, FL

Senior Transportation Planner. SR 948/NW 36th Street is an east-west corridor in Miami-Dade County, Florida. From SR 826/Palmetto Expressway to I-195/SR 112/Julia Tuttle Causeway, SR 948 is 8.626 miles long and traverses the cities of Virginia Gardens, Miami Springs, Hialeah, and Miami. The goal of this scope of services is to document the range and complexity of professional transportation planning and traffic engineering services required for the development and evaluation of multimodal improvements that address existing and future mobility, operational, social, economic, and safety needs along SR 948/NW 36th Street. (2020-present)

*Downtown St. Petersburg Mobility Study (DTSP)

Communications and Outreach Program Manager. The purpose of this study was to understand the context and vision for multimodal mobility in DTSP, conduct conceptual planning and evaluation of multimodal improvement options, and prioritize short- and long-term projects. The project required Amy to coordinate meetings with FDOT, municipalities, and

**Work performed at previous firm.*

AMY ELMORE, AICP – *continued*

Proposed Role: Land Use Planner

stakeholders; create and implement a Public Involvement Plan (PIP); Host more than 20 public workshops, develop high-profile campaigns, and review all final deliverables. (2020-2022)

***Target Zero, Safe Streets Action Plan – Communications and Outreach Program Manager.**

For the Target Zero, Safe Streets Action Plan, Amy worked with dozens of local partner agencies in a cohesive communications strategy, including a virtual summit, art contest, quizzes, videos, news releases, local media, blogs, newsletters, Email blasts, flyers, signage, and many community events. (2020-2022)

***SunRunner Rising Transit Oriented Development Study**

Communications and Outreach Program Manager. The SunRunner Rising Development Study examined ways to improve economic development and ridership, foster multimodal connectivity and accessibility, improve transit access for pedestrians and bicyclists, engage the private sector, identify infrastructure needs, and enable mixed-use development near transit stations. During the project, Amy created social media campaigns, news releases, blogs, and hosted virtual public workshops. (2020-2022)

***Target Employment and Industrial Lands Study**

Communications and Outreach Program Manager. This study engages key stakeholders, as well as local, regional, and national agencies to create a holistic set of policies aimed at having a balance of living wage jobs, attainable housing, and good transportation options. Amy coordinated meetings, planned community events, and created news releases, surveys, email blasts, websites, and social media content to help achieve this goal. (2022)

***Gateway Master Plan**

Communications and Outreach Program Manager. The Gateway Master Plan brought together many local agencies and governments to create an action-oriented redevelopment strategy that focuses on building partnerships to guide future development and multimodal connectivity, both regionally and throughout the district. Amy created news releases, blogs, social media content, graphics, websites, and Email blasts as well as a performance measures dashboard. (2020-2022)

***Pasco Comprehensive Plan Dashboard**

Planner II. Amy created and implemented the Pasco Project Pipeline Dashboard, an innovative, online tool that outlines the upcoming Comprehensive Plan Amendments, and allows contractors, engineers, developers, residents, and stakeholders to see current development projects in real time. (2017-2018)

**Work performed at previous firm.*



37+

years of renewable energy analysis + development experience

Professional Registrations

- Professional Engineer: Quebec OIQ (#5023686)

Education + Training

- Engineering Degree in Energy Engineering, National Institute of Applied Sciences (INSA), Toulouse, France, 1983
- Hydroelectricity Course, National Engineering School of Mechanics and Hydraulics (ENSHMG), Grenoble, France, 1984
- Drinking Water Systems Design, International Water Office (OIEau), Limoges, 2004

Affiliations + Memberships

- Member, Ordre des ingénieurs du Québec

BENOÎT ROQUEMAUREL, Eng.

Proposed Role: Renewal Energy Specialist

Benoît's qualifications are based on 37 years' experience on solar PV power plants, mini and micro-hydropower plants and rural electrification projects powered by renewable energy systems. His first experience was as a volunteer in Ethiopia, then as a design engineer and project manager for private companies in France and the manager of an overseas renewable energy subsidiary of one of the major French energy players. He has extensive knowledge of energy laws and regulations from his work in Europe and Canada.

This technical and management experience, acquired mainly in France, in French overseas departments and developing countries, led Benoît to create SERT, a consulting firm focused on the design and work supervision of renewable energy power plants, expertise and training. In 2007 SERT merged with SOGREA (now ARTELIA). Since November 2011, Benoît is Project Manager and in charge of renewable energy projects at EXP's Energy Division in Montreal, Canada.

Project Experience

Potentia, Technical assessment and Due Diligence of two 2.2 MW and 1 MW grid tied Solar Power Plants, Newcastle and Forfar 2016/2017, ON

Technical assessment and Due Diligence.

Community of Roura, 2007/2009, French Guyana

Member of the construction management team. Rehabilitation of the 100 kW hybrid Kaw Solar Power Plant.

EDF, Photovoltaic solar power plant, Village of Camopi (on the Opyapock River) 2001/2002, French Guyana

Member of the detailed design and construction management team. Design of the minigrad and installation of public lighting.

Community of Grand Santi, Detailed design, and construction management for the hybrid solar PV Power plant of the village of Gran Santi, Commune of Grand Santi, French Guyana

Detailed design and construction management for the hybrid solar PV Power plant of the village of Gran Santi (108 households 90 kWp).

Community of Saint Laurent du Maroni, Solar PV systems (2 plants of 1 MW, 1 plant of 700 kWp), Remire, Saint Laurent du Maroni and Mana 2008/2009, French Guyana

Supervision of the works during the construction of solar PV systems for the 3 high schools. Construction of solar PV systems for the 3 high schools of Remire.

ADEME and EDF Services Guyana, 54 photovoltaic solar generators 2003/2006, French Guyana

Assessment of 54 photovoltaic solar generators.

BENOÎT ROQUEMAUREL, Eng. – *continued*

Proposed Role: Renewal Energy Specialist

Agence de l'Environnement et de la Maitrise de l'Énergie, Electrification of the villages, Twenke, Elahé, Kayodé, Taluhen, Antecum Pata on the Maroni River 1985/2008, French Guyana

Detailed design and construction management. Detailed design and construction management for the electrification.

ADEME EDF Services Guadeloupe, Assessment of 240 photovoltaic solar generators 1999/2005, Guadeloupe

Assessment of 240 photovoltaic solar generators.

Construction of grid tied photovoltaic power plants 2007/2011, France

Engineer. Detailed engineering and works supervision for the construction of grid tied photovoltaic power plants on Reunion Island (total 9 MWp) and in the South of France.

SDEPA, Photovoltaic roof grid generators for the electrification of two isolated dwellings, commune of Castet in the Pyrénées Atlantiques Department 2005, France

Design and works supervision. photovoltaic roof grid generators for the electrification of two isolated dwellings in the commune of Castet in the Pyrénées Atlantiques Department.

Ministry of Energy & Mines, Lao Gvt, Construction of a 4.8 kWp hybrid photovoltaic solar power plant/generator and minigridd to provide electricity 2008/2009, Laos

Detailed design and works supervision. Construction of a 4.8 kWp hybrid photovoltaic solar power plant/generator and minigridd to provide electricity to the village of PhaKeo in the Luang Prabang Province.

Bceom/CILSS/EC, SILLS Project (AFdB) 2004, Chad

Evaluation of a sample of 10 photovoltaic pumps; development of an on-site system-testing protocol; training of two technicians in charge of O&M of 60 systems; assistance with analyzing the field surveys, synthesis, and preparation of upgrading budgets; proposal of specifications for the PRS II program.

Hydroelectricity

City of Kitchener, Hidden Valley Dam, Kitchener, ON, Canada (2012-2013)

Feasibility study for a 350kW hydroelectric power plant on the existing Hidden Valley Dam.

Nova Scotia Power, NS, Canada (2013)

Assessment of the Tusket Hydropower Plant (3 x 800 kW vertical Kaplan under 6 m head), technical prescriptions for its refurbishment.

Regional Development Corporation of New Brunswick, Charlo Dam, NB, Canada (2012)

Feasibility study for a 1 000kW hydroelectric power plant on the existing Charlo Dam - Charlo.

Tahiti's Ministry of Public Works, Energy + Mines

- Prefeasibility studies and preparation of technical and regulatory dossier for the concession of a 10 MW hydroelectricity plant (Papeiha valley) on Tahiti Island, France, 2010-2011.

**Work performed at previous firm.*

BENOÎT ROQUEMAUREL, Eng. – *continued*

Proposed Role: Renewal Energy Specialist

- Prefeasibility studies of the hydroelectric potential of four hydro sites (3, 4, 6 and 10 MW - Tuauru, Orohena, Vaitaara and Taharuu) on Tahiti Island, France, 2009-2010.

Reunion Island Utility

- Technical assessments of two hydroelectric plants on the Bras des Lianes River - 1.6 MW and 0.75 MW Pelton turbines, Commune of Saint-André, France, 2008-2009.
- Detailed studies for the construction of two hydroelectric plants (500 kW and 250 kW) on the SAPHIR water irrigation systems in the commune of Saint-Pierre, France, 2006-2009.
- Feasibility study for three hydroelectric plants (150 kW, 350 kW and 500 kW) on a water irrigation system on the irrigated perimeter of Cilaos, France, 2004-2005.
- Feasibility study for the refurbishment of the 90kW existing Cilaos hydropower Plant, Commune of Cilaos, France, 2004.

Ministry of Energy and Mines, DR of Laos

Nam Kong III hydroelectric power plant, 2019 on going | Owner Engineer / Electromechanical for the construction of the 3 x 18 MW hydroelectric power plant. Periodical follow up and control of the work, control of the compliance with technical specifications and standards.

Ministry of Energy and Hydraulics, Mali

Sotuba II hydroelectric power plant, 2017 on going | Project manager for the construction of the 2 x 3.6 MW Sotuba II hydroelectric power plant (40 M\$ - extension of the existing Sotuba I HPP); new design and automation of the water intake, extension of waterways capacity, powerhouse, Kaplan pit turbines and redesigned command-control of the Hydro Power Plant.

Rwanda Energy Group (National Utility)

Keya hydroelectric power plant, 2014-2015 | Project manager in this project of feasibility and detailed study for the refurbishment of the 2.5 MW hydroelectric power plant; new design for the water intake and desilting basin, automation of water intake gates, implementation of new Francis turbines and redesigned command-control system.

Mukungwa Hydroelectric Power Plant

Complete refurbishment of the 12 MW power plant (\$6.5M), 2011-2015 | Project manager in this project which includes condition assessment, preparation of the electrical, mechanical and civil works specifications, follow-up of the construction works and commissioning.

Commissioning of the Gihira (1.8 MW - 2 Francis turbines) and Gisenyi (1.2 MW - 2 Francis turbines) hydropower plants on the Sebeya River - Gisenyi - Rwanda (EWSA) - 2012.

**Work performed at previous firm.*



30+

years of electrical engineering experience

Professional Registrations

- Professional Engineer – AL, AZ, CA, CO, CT, DC, FL, GA, IA, LA, MD, ME, MI, MN, MS, MO, NH, NJ, NM, NC, OH, OK, OR, PA, SC, TN, TX, VA

Education + Training

- B.S., Electrical Engineering, Florida State University

Affiliations + Memberships

- Member, Florida Board of Professional Engineers

MICHAEL A. CULVER, PE

Proposed Role: Electrical Engineer Lead

Michael (Mike) is a Principal with over 30 years of experience. He is responsible for electrical quality control at EXP. He is responsible for the cohesiveness of the electrical designs with respect to the project as a whole and to each of the other disciplines. He has experience with sustainability master planning, design studies, energy audits and renewable energy design and implementation. As a member of our senior staff, Mike gets involved in the project early during the schematic phase to assist the design team on making the right decisions up front before the work is done.

Project Experience

Sustainability Studies, Master Planning Concepts + Energy Audits

- [REDACTED]
- Conservation Measures
- Hope Town United, Elbow Cay, Abaco Islands
- Marina Bay Sands Sustainability Impact Statement, Singapore
- NASA Kennedy Space Center Vision 2032 - Sustainability Master Planning
- Orlando Sports Entertainment District - Sustainable Design Studies and Master Planning Concept
- Portland Gas & Electric Reliability and Sustainability Studies, Portland, OR
- Rockies Sports Entertainment District, Denver, Colorado
- Rose Island, Sustainable Studies and Carbon Neutral Island Concept, Nassau, Bahamas
- University of Central Florida TriGen Plant Feasibility Study
- Uptown Tampa Sustainable Development, Tampa, FL
- Albany Golf & Beach Club, New Providence, Bahamas
- Bakers Bay, Great Guana Cay in the Abaco Islands of the Bahamas
- Bonnet Creek Resort - Hilton and Waldorf=Astoria, Orlando, FL
- Boatswain's Beach, Cayman Turtle Farm, Grand Cayman, Cayman Islands
- Busch Gardens Africa, Tampa, FL
- Busch Gardens Europe, Williamsburg, VA
- Cap Jaluca, Anguilla, British West Indies
- Cayman Turtle Farm Expansion, Grand Cayman, Cayman Islands
- Courtyard Hotels by Marriott, Montego Bay, Jamaica
- Discovery Cove, Orlando, FL
- Disney's Polynesian Resort, Lake Buena Vista, FL
- Disney's East Parcel Development Project, Lake Buena Vista, FL
- Disney Shanghai - H1 & H2, Shanghai, China

MICHAEL A. CULVER, PE – *continued*

Proposed Role: Electrical Engineer Lead

- El Paso Zoo, Zoo Entry and Africa, El Paso, TX
- EXP Maitland Office, Maitland, FL - LEED Clv2009 Gold
- Government Office Accommodation Project (GOAP), Grand Cayman, Cayman Islands - LEED v2.2 Silver
- H. Lee Moffitt Cancer Center & Research Institute Vivarium, Tampa, FL
- LEGOLAND Hotel, Winter Haven, FL
- [REDACTED]
- Marina Bay Sands, Singapore
 - Chilled Water, Electric and Domestic Hot Water Meter Studies
 - Measurement and Verification Plan
 - Solar Film Study
- National Aviary, Pittsburgh, PA
- National Zoo, Grey Seal and Sea Lion Exhibit, Washington, D.C.
- Nemours Children's Hospital, Orlando, FL
- Orlando Health South Seminole Hospital Generators, Longwood, FL
- Plaza Coral Gables, Coral Gables, FL
- Project Onyx, West Palm Beach, FL - LEED BD+C: NC Platinum
- Ripley's Aquarium of the Smokies, Gatlinburg, TN
- Sands China Limited Re-Cx and Energy Upgrades - Pl, P2, sec, and Sands Macau - Macau, China
- SeaWorld, Orlando, FL
- SeaWorld, San Antonio, TX
- Space & Naval Warfare Systems Command (SPAWAR) Center Atlantic Data Center - LEED NCv2009 Silver

**Work performed at previous firm.*



30+

years of smart/intelligent,
energy-efficient systems +
solid waste experience

Professional Registrations

- Professional Engineering Registration, PA, VA
- Certified Commissioning Authority
- Certified Energy Manager
- Certified Plumbing Engineer
- Certified Energy Procurement LEED AP, LEED Accredited

Education + Training

- B.A.E., Architectural Engineering, Pennsylvania State University

Affiliations + Memberships

- Member & Past Chapter President, Association of Energy Engineers (AEE)
- Member, Regional Chair & Past Chapter President, American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)
- CABA Ambassador & Board Member, Continental Automated Buildings Association (CABA)

CHRIS LARRY, PE, CxA, CEM, CIPE, CEP, LEED® AP

Proposed Role: Building Automation + Waste to Energy

Chris brings more than 30 years of comprehensive experience in new and renovation projects with particular focus on Smart/Intelligent, energy-efficient systems and with a design-build breadth of knowledge specializing in unique solutions which solve problems, improve comfort, and reduce consumption. His experience includes healthcare, K-12 education, higher education, office, commercial, Mission-Critical, industrial, MSW, laboratory and public assembly projects. His expertise also includes MSW to Energy Planning; Landfill Gas Use Analysis; Environmental Assessments for MSW; and Alternative Technologies for MSW. Additionally, Chris is leading the industry through his work with the Association of Energy Engineers (AEE) where he has been a local chapter president and has taught courses for the CEM. AEE also chose him as "Energy Engineer of the Year 2000," an International award.

Chris has chaired the Technology, Energy and Governmental Activities and the Chapter Technology Transfer Committees internationally for the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE).

He has supported the Continental Automated Buildings Association (CABA) focused on open protocol control technology, zero-energy consortium and the building intelligence quotient (BIQ).

Project Experience

Sustainability Assessments + Energy Studies/Audits

Colorado National Guard Sustainability Assessments, Denver, CO, USA

Chris was the Project Manager for the development of 17 Sustainability Assessments for 36 buildings totaling 925,310 SF. A report was prepared following the team's On-Site Assessment. The report included an Energy Assessment, Life Cycle Cost Analysis and an action plan incorporated into the Sustainable Building Implementation Plan (SBIP). The team is now implementing the first phase of the Sustainable Building Implementation Plan (SBIP) by installing advance metering and an installation-level metering data management system that connects all meters.

Allstate Insurance Company Sustainability Assessment, Northbrook, IL, USA

Chris was the Project Manager for the development of a comprehensive Sustainability Assessment of their 896,200 SF Corporate Headquarters facility. Allstate intends to secure a LEED Silver certification following LEED for Existing Buildings: Operations & Maintenance (EBOM) LEED v3 launched on April 27, 2009. Chris completed the Sustainability Assessment and the development of the Sustainable Building Implementation Plan (SBIP), the RCx Planning Phase, the RCx Investigation Phase and the Energy Modeling /ECM Phase. Existing Building Automation (BAS) modifications were also included in the list of ECMs. The Implementation Phase occurred over a 3-year funding cycle which began in 2009. EXP has continued with the implementation plan including advanced metering, retro-commissioning and advanced DDC and integration technologies.

CHRIS LARRY, PE, CxA, CEM, CIPE, CEP, LEED® AP – *continued*

Proposed Role: Building Automation + Waste to Energy

Department of Veterans Affairs Energy Audits and Retro-Commissioning, Various Locations Nationwide, USA

Chris was the Project Manager for the development of the largest VA Energy Audit project including Retro-Commissioning Studies, Energy Models, Proposed Energy Conservation Measures (ECMs) including Return on Investment Analysis and energy engineering services during the implementation phase. Chris was on one EXP team of six teams that surveyed 1,100 facilities totaling 42.5 M SF over a five-month period. EXP will provide energy engineering and measurement & verification during the implementation phase.

Liberty Property Trust, Comcast Center ASHRAE Level I & II Energy Audit, Philadelphia, PA, USA

Chris was the project manager for the energy auditing of the Comcast Center. The energy reduction program and subsequent energy improvement strategies developed by EXP were presented in a multi-phased approach in order to focus energy engineering efforts deemed to be of highest priority to LPT and Comcast. Phase I consisted of a “big picture” energy assessment that established an energy baseline, determined where energy is used and reviewed the energy opportunities available. Phase II took those opportunities and developed them into energy conservation measures (ECM). Phase III involved analyzing the selected ECMs and developed design documents and installation details.

U.S. Army Energy Studies and Design/Build Implementation, Various Location Nationwide, USA

Chris was the Project Manager for the development of Retro-Commissioning Studies, Energy Models, Proposed Energy Conservation Measures (ECMs) including Return on Investment Analysis and energy engineering services during the implementation phase. Chris was on one EXP team of six teams that surveyed 2,048 facilities totaling 85.235 M SF over a seven-month period. His team's reports are being used to implement Advanced Metering and integration into a web-based Energy Enterprise Management System. EXP was recently awarded a multi-year contract to engineer and implement Energy Conservation Measures at Army Bases through-out the United States.

Department of Veterans Affairs Energy Audits and Retro-Commissioning, Various Locations Nationwide, USA

Chris was the Project Manager for the development of the largest VA Energy Audit project including Retro-Commissioning Studies, Energy Models, Proposed Energy Conservation Measures (ECMs) including Return on Investment Analysis and energy engineering services during the implementation phase. Chris was on one EXP team of six teams that surveyed 1,100 facilities totaling 42.5 M SF over a five-month period. EXP will provide energy engineering and measurement & verification during the implementation phase.

Liberty Property Trust, Comcast Center ASHRAE Level I & II Energy Audit, Philadelphia, PA, USA

Chris was the project manager for the energy auditing of the Comcast Center. The energy reduction program and subsequent energy improvement strategies developed by EXP were presented in a multi-phased approach in order to focus energy engineering efforts deemed to be of highest priority to LPT and Comcast. Phase I consisted of a “big picture” energy assessment that established an energy baseline, determined where energy is used and reviewed the energy opportunities available. Phase II took those opportunities and developed them into energy conservation measures (ECM). Phase III involved analyzing the selected ECMs and developed design documents and installation details.

U.S. Army Energy Studies and Design/Build Implementation, Various Location Nationwide, USA

Chris was the Project Manager for the development of Retro-Commissioning Studies, Energy Models, Proposed Energy Conservation Measures (ECMs) including Return on Investment Analysis and energy engineering services during the implementation phase.

**Work performed at previous firm.*

CHRIS LARRY, PE, CxA, CEM, CIPE, CEP, LEED® AP – *continued*

Proposed Role: Building Automation + Waste to Energy

Chris was on one EXP team of six teams that surveyed 2,048 facilities totaling 85.235 M SF over a seven-month period. His team's reports are being used to implement Advanced Metering and integration into a web-based Energy Enterprise Management System. EXP was recently awarded a multi-year contract to engineer and implement Energy Conservation Measures at Army Bases through-out the United States.

Smart + Intelligent Building Projects

Smart Building Renovation Project, Washington DC USA

This project included a complete renovation of the smart building systems in this 1M SF multi-use building including communication networks, Card readers/Access controls, Video surveillance Cameras, Lighting Controls, HVAC controls, power meters, Graphical user interfaces and Analytics systems. This is noted as the smartest building in the DC area. All these systems were intensively commissioned by our internal smart building team with performance a primary focus.

McDonald's Corporate Headquarters Smart Building Project, Chicago, IL USA

This project reimagined how this fortune 500 company operates. The project started with a Master Systems Plan which outlined how each system could be digitized. The smart building systems included communication networks, Card readers/Access controls, Video surveillance Cameras, Lighting Controls, HVAC controls, power meters, Graphical user interfaces and Analytics systems. In addition, the office and meeting spaces were interfaced with the occupants through their smart phones to enable mobile navigation, room reservation with space utilization algorithms.

United Technologies (UTC) Center for Intelligent Buildings, Palm Beach, FL USA

United Technologies needed a new headquarter building which provided a demonstration center of its many company offerings. Carrier Controls & Refrigeration, Otis Elevators, Lenel Access Systems, Edwards/Kidde Fire Alarm technologies, Automated Logic (ALC) WebCTRL software and many other applications needed to be integrated to enable a showcase for UTC's visitors and customers. This LEED project provided high efficiency, advanced productivity enabling interactive occupant applications.

Taubman Centers, Inc. Multiple Locations throughout the USA

Taubman Centers, Inc. (TCO) owns and manages roughly 11,000,000 SF of retail shopping centers throughout the United States and Asia. TCO wanted to reduce energy costs and improve the operations of their portfolio of shopping malls (27 total in the US). EXP designed and implemented an Enterprise Energy Management System (EEMS) platform to collect property-level data from its building automation systems, meter system, utility billing system, weather, ERP systems and to perform portfolio-wide monitoring, reporting, diagnostics and analytics. All the systems were remotely controlled and monitored using a single integrated platform.

Chicago O'Hare International Airport Smart Building Upgrade, Chicago, IL USA

The CDA undertook a \$15B project to modernize one of the busiest airports in the world. As part of that project, EXP developed a measurement & verification project, which started out with a retro-commissioning project, testing all the systems and equipment connected to its BAS system. Once the CDA found that many of those systems were not reporting accurate results, they designed a centralized enterprise application which allowed the building systems (HVAC, Fire Alarm, Cooling, Heating, IAQ and metering systems) to be interconnected and monitored from a unified central system.

**Work performed at previous firm.*

CHRIS LARRY, PE, CxA, CEM, CIPE, CEP, LEED® AP – *continued*

Proposed Role: Building Automation + Waste to Energy

Vandenberg Air Force Base EEMS Upgrades, Lompoc, CA USA

The Vandenberg Air Force Base (VAFB) is the third largest U.S. Air Force base, occupying 99,099 acres and featuring 1,328 buildings. To comply with federal mandates requiring the reduction of energy consumption by 30% by 2015, USACE-Huntsville awarded a task order contract under UMCS III to EXP for the design and installation of a Utility Monitoring and Control System (UMCS) or EMCS that would permit the disparate building automation systems to be integrated into a central unified UMCS.

Co-Generation and Waste-to-Energy Projects

***Indiana University of Pennsylvania, Indiana, PA, USA**

Served as lead engineer for the development of a 4.2 mW gas/diesel engine CHP plant which produced electricity and recovered heat as steam which was distributed throughout the campus. The focus was to change the focus of the university to look at the plant holistically and not as a separate utility. This allowed the University to value steam as a costly resource and not a “free” waste from the CHP process.

Municipal Solid Waste-to-Energy Power Plant Gasification Study, Yabucoa, Puerto Rico

Worked with Puerto Rico Green Energy Services, LLC, to outline a plan for controlling areas served by the municipal solid waste and landfill in Yabucoa. Studied options for a waste to energy plant for Yabucoa focusing on gasification technologies.

EXP, USA, Canada

Developed and engineered an anaerobic digestion system to reduce landfill waste. We developed a Solid Waste Strategy to assist them in controlling their minimal landfill resources and managing their waste to support their hamlet.

Hamlet of Pangnirtung Solid Waste Project, Nunavut, Canada

Developed and engineered an anaerobic digestion system to reduce landfill waste. We developed a Solid Waste Strategy to assist them in controlling their minimal landfill resources and managing their waste to support their hamlet.

City of Dallas and City of Houston MSW Plan, Texas, USA

EXP worked with these cities to assist them on an MSW solution to reduce recyclable waste from entering the landfill and developing ways to convert waste to energy to reduce landfill additions.

MillerCoors Shenandoah Brewery, Elkton, VA, USA

EXP completed a Combined Heat and Power project at the MillerCoors brewery in Shenandoah, Virginia. MillerCoors uses wastewater as a source of renewable energy. They generate biogas from the wastewater and use the biogas in place of fossil fuels to power our boilers and to generate electricity. The methane gas generated at the site powers a new 1.4 mWe containerized engine generator. The unit provides heat recovery and 480 volt electric power. It burns biogas (methane) produced from two ADI-BVF reactors that exist in the site, treating the brewery waste.

**Work performed at previous firm.*

27+

years of building envelope restoration experience

Professional Registrations

- P.Eng. – ON

Education + Training

- Master of Engineering, Civil Engineering, McGill University, Montreal, 1995
- Bachelor of Engineering, Civil Engineering, Concordia University, Montreal, 1993

Affiliations + Memberships

- Member, Professional Engineers Ontario

RICARDO GAMA, M.Eng, P.Eng.**Proposed Role: Building Envelope Specialist**

Ricardo is a professional engineer with 27 years of experience in the restoration industry, most of which is in structural and building envelope restoration. He has extensive practical experience with a wide range of building envelope assemblies, roofing, waterproofing and pavement processes, as well as the construction management of building envelope and parking garage rehabilitation projects.

He has comprehensive practical experience with post-tensioned slab evaluation and repair. He has worked collaboratively with, and project managed multidisciplinary project teams in multi-phased public, educational and institutional rehabilitation projects. Ricardo has performed due diligence condition assessments of building facilities nationally and internationally. Ricardo has been a technical lead for roofing, concrete, waterproofing and asphalt systems evaluation and repair.

Project Experience**TCHC Energy Reset for 3 Sites Residential Towers Portfolio, Toronto, ON**

Building Envelope Lead. The plan for the 3 mid-rise residential towers was to implement energy conservation measures. Building envelope upgrades was one such measure. Ricardo developed building envelope renewal options and budgets, new fenestration design performance requirements, and their adaptation to the existing building envelopes.

95 Wellington Street West, Toronto, ON

Building Envelope Senior Consultant and Project Manager. Ricardo assisted in the design of the new building envelope and roofing systems, the site implementation of mock-ups and their testing and fine tuning, and he managed the façade team during the multi-year construction, that included site review, and tailoring new envelope and roofing solutions to site specific conditions uncovered during construction.

315 Spadina Avenue, Toronto, ON

Building Envelope Senior Consultant and Project Manager. This design intent for this planned new 13-story residential building is it meet the Toronto Green Standard (TGS) Tier 1 level of energy efficiency. Ricardo reviewed the building envelope design and proposed design adjustments to enhance thermal performance to achieve the energy design requirement. He performed building envelope thermal bridging calculations to generate the building envelope overall thermal transmittance, employed in the energy modelling to demonstrate adherence to the desired energy efficiency level.

RICARDO GAMA, M.Eng, P.Eng. – *continued*

Proposed Role: Building Envelope Specialist

Brock University, Cairns Bioscience Research Complex & LINC Centre, St. Catharines, ON

Building Envelope Senior Consultant. Ricardo assessed and tested the Cairns building curtain wall, and designed repairs to address ongoing leakage issues. In 2019, Ricardo provided design and construction review of the LINC centre curtain wall and skylight. Ricardo managed the façade team in the Cairns building assessment and formulated its curtain wall repair strategy.

Ricardo reviewed the LINC centre curtain wall and skylight during construction and developed detail solutions to address contractor construction deviations and architect modifications.

Nelson Mandela Park Public School, Toronto, ON

Project Manager and Technical Lead. Ricardo was the project manager for the condition assessment, and the multiphased façade restoration design and repair program. This project involved the façade condition assessment and its restoration strategy design development, as well as construction review and administration during the multi-phased restoration program.

Danforth Collegiate Institute, 800 Greenwood Ave, Toronto, ON

Project manager for the condition assessment, design and repair of the window stone mullions and surrounds at the 3-storey 1922 collegiate building. This project involved the condition assessment of the window stone elements and the design development of a restoration repair strategy, that included construction review and adapting repair strategies to suit site conditions during the stone repair program.

Jarvis Collegiate Institute, 495 Jarvis Street, Toronto, ON

Project manager for the condition assessment, design and repair of the window stone mullions and surrounds at the 4-storey collegiate building built in 1871. This project involved the assessment and the design development of a restoration strategy for the window stone elements, that included construction review and adapting repair strategies to suit site conditions during the stone repair program.

**Work performed at previous firm.*



30+

years of solid waste management experience

Professional Registrations

- P.Eng. – NB
- P.Geo. – NB

Education + Training

- M.Sc., Earth Sciences, University of Waterloo, 1993
- B.A.Sc., Geological Engineering, University of Waterloo, 1989
- B.Sc., Geology, Mount Allison University, 1979
- Engineering Diploma, Mount Allison University, 1979

Affiliations + Memberships

- Member, Association of Professional Engineers and Geoscientists of New Brunswick (APEGNB)

JOHN SIMS, M.SC., P.Eng. P.Geo.

Proposed Role: Solid Waste Management

John is a Senior Environmental Engineer with 30 years experience on multi-disciplinary projects related to climate change assessment and adaptation planning; municipal infrastructure upgrades and adaptation; water resource development and protection; environmental impact assessment, risk based closures, principles and protocols for climate change risk assessment and mitigation strategies, and regulations governing environmental protection. More recently, he has been involved with various projects related to implications of climate change to communal and municipal infrastructure, and related adaptation, mitigation, and monitoring.

Project Experience

Indian Island First Nation – Climate Change Risk Assessment and Adaptation Planning, NB, Canada

Project Manager leading a multi-disciplinary team including coastal erosion, municipal infrastructure engineering and land use planning specialists in completion of a climate change risk assessment for a First Nations community located at low elevation and immediately adjacent the Atlantic coastline. Related work included design of near-term coastal protection measures to protect assets of immediate concern, and development of a Comprehensive Community Land Use Plan that integrated results of the climate change assessment and adaptation studies into an overall plan.

Elsipogtog First Nation, Elsipogtog – Climate Change Stormwater Management Assessment and Planning, NB, Canada

Project Manager and environmental engineer responsible for the assessment of the implications of climate change extreme weather events to existing stormwater management infrastructure, and development of mitigation measures and prioritized work plan and opinion of costs to implement adaptation measures and priorities.

Hamlet of Arctic Bay Water Supply Climate Change Risk Assessment (in progress), Arctic Bay, NV, Canada

Climate change assessment engineer and Lead water resources and for completion of a climate change impact assessment to a communal water supply located immediately adjacent bodies of the Arctic Ocean. This work has included review of the most recent IPCC AR6 report on climate change shared socio-economic pathway scenarios, impact projections and suggested adaptation strategies; and use of the NASA Jet Propulsion Laboratory Sea Level Rise Projection Tool to assess regional sea level rise in the area of interest and their implication to coastal specific and watershed risks to future water quality.



JORGE ACEVEDO, PE

Proposed Role: Water + Wastewater

Jorge is a qualified engineer with over 24 years of progressively experience in the operation, maintenance and management at Miami-Dade Water and Sewer Department, Miami Dade Department of Environmental Resources Management and the City of Coral Gables.

Project Experience

***City of Coral Gables, South Alhambra Force Main Replacement, Coral Gables, FL, USA (October 2021 – March 2023)**

Program Manager/Utility Director. Managed engineering and construction services for the replacement of 4,600 LF of 20- inch force main South Alhambra Circle from Ponce Road and Sunset Drive to the interception of the South Alhambra Circle and US1.

***City of Coral Gables, Cocoplum 1 Pump Station and Force Main, Coral Gables, FL, USA (October 2020 – September 2022)**

Program Manager/Utility Director. Managed engineering and construction services for the rehabilitation of the existing sanitary sewer pump station and the reroute and replacement of 2,800 LF of 12-inch discharge force main. Project has earned Envision® Bronze award for sustainability.

***City of Coral Gables, Cocoplum Drainage Improvement Phase I, Coral Gables, FL, USA (October 2017 – June 2018)**

Program Manager/Utility Director. Managed engineering and construction services for the storm drainage improvement project along Los Pinos Boulevard at the Cocoplum Area. The system includes installation of new catch basins, manholes and French drains.

***City of Coral Gables, Assessment of Sea Level Impact on City of Coral Gables Infrastructure and Preliminary Adaptation, Coral Gables, FL, USA (October 2017 – June 2018)**

Program Manager/Utility Director. Manage the completion the plan that plan intends to assess the impacts of sea level rise, storm surges, and king tides on city's infrastructure and other assets with the purpose of developing an adaption plan that contains measurable indicators, which will trigger the timely sequencing of improvements to accommodate sea level rise and its associated effects.

***City of Coral Gables, Pump Station City 2, Coral Gables, FL, USA (April 2014 – December 2016)**

Program Manager/Utility Director. Manage engineering and construction services for the rehabilitation of the existing sanitary sewer pump station with and average capacity of 2 MGD located at 99 Alhambra Circle, Coral Gables.

24+

years of water + wastewater experience in Miami-Dade County + City of Coral Gables

Professional Registrations

- Professional Engineer – FL (#66623)

Education + Training

- M.S., Environmental Engineering, Florida International University
- B.S., Chemical Engineering, University of America

Affiliations + Memberships

- Member, Florida Board of Professional Engineers
- Member, Texas Board of Professional Engineers and Land Surveyors

JORGE ACEVEDO, PE – *continued*

Proposed Role: Water + Wastewater

***City of Coral Gables, Infiltration and Inflow (I/I) Elimination and Compliance, Coral Gables, FL, USA**

Program Manager/Utility Director, (April 2014 – November 2016). Manage engineering and construction services for the elimination of the infiltration and inflow (I/I) at 5 sanitary sewer basins identified out of compliance during the Sanitary sewer evaluation survey (SSES).

***City of Coral Gables, Force Main Replacement at D Station, Coral Gables, FL, USA (January 2014 – October 2016)**

Program Manager/Utility Director. Manage engineering and construction services for the design, permits and construction for the replacement of 4,200 LF of 12-in force main discharging from the pump station D, located at cocoplum area. Force main installed along utility easement and Ridge Road at the intersection with Old Cutler Rd. Project included open cut trench and directional drill installation.

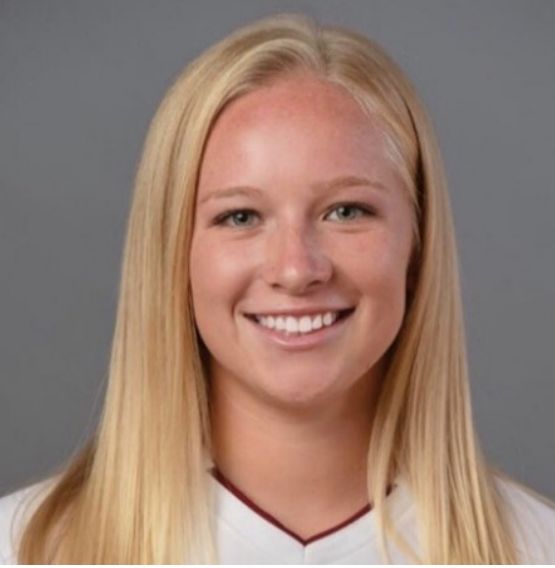
***City of Coral Gables, Sanitary Sewer Evaluation Survey and Cross Connection Removal, Coral Gables, FL, USA (January 2014 – November 2016)**

Program Manager/Utility Director. Manage engineering and construction services for the complete sanitary sewer evaluation survey (SSES) of the city's sewer collection system. It included the full smoke testing and Infiltration and Inflow analysis. The SSES identified 47 cross connections between sanitary sewer system and storm drainage system that were removed.

***City of Coral Gables, Pump Station 4B and Police, Coral Gables, FL, USA (March 2013 – December 2014)**

Program Manager/Utility Director. Manage engineering and construction services for the complete design, permitting and construction for the rehabilitation of the two existing sanitary sewer pump stations. The upgrade includes the replacement of pumps, wet wells, electrical panels, telemetry, and mechanical upgrades.

**Work performed at previous firm.*



NICOLE BARNETT, ENV SP, LEED® Green Associate™

Proposed Role: Recycling + Waste Management

Nicole is able to provide recommendations of responsible green building practices for sites towards their desired level of performance in sustainable infrastructure. The attained registrations and accreditations have been critical in conducting quality control and quality assurance throughout EXP's projects pursuing Envision, LEED and other environmentally driven certifications. Nicole carries a great attention to detail in her work and ensures compliance with all codes and regulations as needed in projects.

With a heavy academic background in Sustainability, Nicole has worked with various organizations across many disciplines in assessing existing conditions of communities and structures and developing environmental reports addressing their impacts from climate change. A significant portion of her academic career included research for the Coastal Climate Adaptation Library. These reports have provided the necessary experience for structural emergency preparation, analysis of property, and potential innovations for future operations.

Previously working with the largest municipality in Brevard County, the City of Palm Bay, FL; Nicole became familiar with city processes and developed the necessary skills coordinating with public works. She has strong public outreach and communication skills which have successfully accommodated the needs of diverse members of the community; through leading official board meetings, workshops and discussions of important agenda items while relaying their voices in her work.

Producing the City's first Sustainability Action Plan in 2021, Nicole created a master plan detailing the Natural Environment, Built Environment, Transportation & Mobility, Innovative Waste Management, and Public Engagement conditions of the city and proposed action items to achieve set goals for the community's future. Nicole and her team triumphantly acquired City Council Approval for the Plan and subsequently began implementation of priority action items.

Project Experience

*City of Palm Bay, Sustainability Action Plan, FL (2021)

Developed the City's first Sustainability Action Plan in coordination with the Palm Bay Sustainability Advisory Board. This master plan emphasizes the three capital assets of environmental, social and green economic aspects. Researching the existing municipal operations, we provided recommendations of solutions or suggestions to operational alternatives within five different areas of concern of the largest municipality in Brevard County: Natural Environment (Land & Water Systems), Built Environment (Energy & Buildings), Transportation & Mobility, Innovative Waste Management, and Education & Public Engagement. Nicole and her team triumphantly acquired City Council Approval for the Plan and subsequently began implementation of priority action items.

5+

years of sustainability + innovative waste management action plan development experience

Professional Registrations

- LEED® Green Associate™, 2022
- Envision Sustainability Professional (#46027), 2021
- APTI SI-422 Air Pollution Control, 2018

Education + Training

- B.S., Sustainability Studies, Florida Institute of Technology, Melbourne, FL, 2021

Affiliations + Memberships

- United States Green Building Council (USGBC) Carolinas
- USGBC Florida Chapter
- USGBC Carolinas Market Leadership Advisory Board, 2022
- Institute for Sustainable Infrastructure

NICOLE BARNETT, ENV SP, LEED® Green Associate™ – *continued*

Proposed Role: Recycling + Waste Management

***City of Doral Sustainability Integration Plan & Miscellaneous Consulting Services, Doral, FL (2021-2023)**

Providing consulting services to guide and organize purposeful green initiatives within the community. Conducted thorough research on the history of environmental planning and relevant documentation. Once developing an understanding of the past and current conditions of the available data, policies and plans, we worked with various stakeholders in city staff to identify opportunities for improvement. The City requested assistance towards advancing their green performance collectively across multiple sectors of their community; EXP proposed and is developing a comprehensive Sustainability Integration Plan (SIP) to consolidate all existing reports, establish actionable and SMART targets, analyze opportunities within the capital improvement budget, and ultimately provide recommendations for priority action items to be presented to City Commission that help achieve the goals and visions internal to city government operations as well as the overall citywide operations.

Seattle-Tacoma International Airport, Municipal Solid Waste to Liquid Fuels (SAF) Study, Washington (2022-2023)

This project evaluates the feasibility of directing some or all the municipal solid waste (MSW) and other material received in King County and other regional (western WA and OR) solid waste facilities to a potential future sustainable fuel production facility. This joint initiative funded by the Port of Seattle and King County Solid Waste Division is intended to support both entities in achieving their greenhouse gas emission reduction, economic development, and waste goals. The study will provide insight into the potential costs and benefits from building and operating a renewable energy fuel production facility that uses regionally generated MSW and will evaluate feasible conversion technologies, existing feedstocks, identify and evaluate facility locations, project financing, and partnership opportunities with potential equity and social justice implications for host communities, emissions, and employment.

Coalition for Disaster Resilient Infrastructure (CDRI), Global Study on Disaster Resilience of Airports – Phase 2, New Delhi, India (2022-2023)

Evaluating the disaster resilience of airport infrastructure around the world and is comprised of two parts: 1) a comprehensive disaster risk study of infrastructure across selected airports and 2) financing mechanisms for these airport's investments in disaster-resilient infrastructure. The disaster resilience of selected airports will explore historical disaster impacts, hazard exposure mapping, resilient planning and design, and business continuity plans. Financing mechanisms for airports and investments in disaster resilient infrastructure include evaluation of financial mechanisms for airports, disaster impact, wider economic benefits, and investor appetite. This project will consider not only the core assets, but also focus on dependent infrastructure such as power systems, ICT systems (communication and control), functional and operational management systems, emergency response systems, etc. Selected international study airports include Paro International Airport, Kansai International Airport, Sir Seewoosagur Ramgoolam International Airport, Munich International Airport, Trieste – Friulu Venezia Giulia Airport, San Francisco International Airport, Alejandro Velasco Astete International Airport, Ayers Rock Airport, Nadi International Airport, Biju Patnaik International Airport, Kempegowda Airport, and Nosy Be Fascene Airport.

Miami International Airport, Solar Feasibility Study – Terminal Wide Re-roofing + Lighting System Upgrades, Miami, FL, (2022)

This project involved review and evaluation of locating a solar photovoltaic system on the roof of the Miami International Airport Terminal Complex. This project considered a complete system installation including solar panel array locations, space for support equipment, and recommended types of solar panels best suited for installation. ROM calculations of electrical power generation, electrical configurations to the roof, electrical rooms for DC to AC inverter panel locations and connections to the building electrical system were also evaluated. This project also included a phasing plan to implement the PV installation, maintenance considerations and costs, value analysis, and stakeholder considerations.

**Work performed at previous firm.*

NICOLE BARNETT, ENV SP, LEED® Green Associate™ – *continued*

Proposed Role: Recycling + Waste Management

Port of Miami Fumigation and Cold Storage Facility, Miami, FL (2022)

Conducted a gap analysis for the site. Analyzed as a warehouse under LEED v4.1 during the predesign phase to identify current and future opportunities towards achieving credits for a LEED Gold certification. The gap analysis is also serving a purpose to provide recommendations and consultation to the stakeholders involved to have early intervention of efficient and resilient strategies to be implemented as needed.

Innovation Park Building A/Master Site (2021-2022)

This project is pursuing LEED certification. Using the v4 and v4.1 reference guides, identified the credits' necessary variables and calculated each credits' ability to achieve points and later certification. Performed investigation on the site's ability to achieve points for the following credits: LTc6 – Bicycle Facilities, LTc8 – Green Vehicles and SSc5 – Heat Island Reduction. Created an entryway systems site map to enhance indoor air quality (IAQ) strategies. Additionally, suggested alternatives for the project's plans and credit options pursued in order to fulfill requirements and earn more points. Also performed the final QA/QC of all of the attempted credits before submitting the Master Site in LEED Online. Checked each credit in terms of completeness, correctness, and possible alternatives for higher certification.

Virgin Trains Aventura Station, Miami, FL (2021)

This project is pursuing LEED certification. Using the v4 and v4.1 reference guides, completed and uploaded the LTc8 – Green Vehicles LEED documentation for review, identified and uploaded meter plans for prerequisites WEp3 – Building-Level Water Metering and EAp3 – Building-Level Energy Metering. Calculated the SSc5 – Heat Island Reduction credit under specified parameters for materials regarding site elements such as the roofs, sidewalks and shading structures.

*Brevard Sustainability Working Group (BSWG) Strategic Plan (2020-2021)

Strategic Plan Committee Member: also served as the Florida Tech Student Representative for the group. As the BSWG Student Intern, her role in this committee was to compile sustainability resources adaptable to all boards within Brevard County and create a high-level informational reference packet to educate existing and future board members, as well as provide solutions to common problems within the City Sustainability Advisory Boards.

Industrial Lab Development (2021)

Research regarding the inclusion of select mechanical, electrical and plumbing (MEP) products. Defined the parameters at which were acceptable for the LEED guidelines under Materials and Resources: Sourcing of Raw Materials credit.

The Standard at Coral Gables (2021-2022)

Tasked with an at-large component of EQc2 – Low Emitting Materials. Reviewed Sherwin-Williams paint submittals and approved certificates associated with paints used onsite in compliance under emissions. Also performed the final QA/QC of all of the attempted credits before submitting the Master Site in LEED Online. Checked each credit in terms of completeness, correctness, and possible alternatives for higher certification.

Naples Beach Club Gap Analysis (2022)

The Naples Beach Club site was analyzed to identify areas of improvement for future certification. A strong focus on Location & Transportation and Sustainable Sites credit categories. Utilized mapping programs and FEMA Data to identify flood zones, access to quality transit and proximity to diverse needs within the community, as well as other location specific data to achieve as many credits as possible that were in relation to state, federal and local codes.

**Work performed at previous firm.*



8+

years of sustainability + clean energy experience

CHRISTY IP, LEED® AP BD+C, WELL AP, LFA, Fitwel Ambassador, CGBP, BEAM Affiliate

Proposed Role: Greenhouse Gas Inventory

Christy brings eight years of sustainability and clean energy experience to EXP. She has personally worked on more than 100 LEED, WELL, Fitwel and CALGreen projects and continues to support numerous clients in achieving their green building, site and corporate sustainability goals including ISO 14001, environmental impact assessment and ESG reporting.

As a LEED Pro Reviewer, Christy provides detailed feedback to the creators of USGBC Education courses to improve their continuing education materials, and also stays current on trending issues in green building and sustainability.

Christy has a demonstrated understanding of the leading green building frameworks and can provide a broad range of sustainability strategies for the built environment. She also holds an accreditation as a BEAM Affiliate from the Hong Kong Green Building Council. Christy is a team player and strong leader with a positive attitude and confidence in abilities, excellent multi-tasking and organization skills.

Professional Registrations

- International Living Building Institute; Living Future Accreditation
- International WELL Building Institute; WELL AP
- U.S. Green Building Council; LEED AP BD+C
- Build It Green, Certified Green Building Professional
- Center for Active Design; Fitwel Ambassador
- Hong Kong Green Building Council; BEAM Affiliate

Education + Training

- MS in Green Technology (Energy), Hong Kong Baptist University, 2015
- Certificate in Carbon and Energy Management, SGS, 2015
- BA, Environmental Geography and Economics, Honours, University of Toronto, 2014
- Undergraduate Exchange Program, National University of Singapore, 2013

Project Experience

- *1050 Kifer Phase 2, LEED v4 N, Sunnyvale, CA
- *140 Columbia, LEED for Homes, Portland, OR
- *1540 El Camino Real, LEED v4 Homes Gold target
- *279 East Grand Ave 4th Floor and C&S, Two-star target, Fitwel, South San Francisco, CA
- *285 Sobrante Way, LEED v2, Sunnyvale, CA
- *3045 Park Blvd., LEED v4 C&S Gold target, Palo Alto, CA
- *510 Townsend, Two-star target, Fitwel, San Francisco, CA
- *900-910 Hamilton Ave, LEED v2, Campbell, CA
- *Allogene, LEED ID+C v4 Gold target, Newark, CA
- *Apple Wellness Center 1, Bid. D, LEED v3 NC Gold, Elk Grove, CA
- *Adidas Sourcing Ltd., 10/F Floor, LEED ID+C v4 CI Gold certified, Hong Kong
- *Adidas Sourcing Ltd., 9/F Floor, LEED ID+C v4 CI Gold certified, Hong Kong
- *ARE Brantsen Road, One-star target, Fitwel, CA
- *Biomed Realty Gateway of Pacific Amenity, Two-star target, Fitwel, CA
- *BMR Island Parkway, LEED C&S, Belmont, CA
- *Citizen M Menlo Park Hotel, LEED v4, Menlo Park, CA
- *Eaton Hotel, LEED ID+C v4 Commercial Interiors Gold target, Hong Kong
- *Facebook Data Center, Embodied Carbon Project

CHRISTY IP, LEED® AP BD+C, WELL AP, LFA, Fitwel Ambassador, CGBP, BEAM Affiliate – continued

Proposed Role: Greenhouse Gas Inventory

- *Goldman Sachs Services Ltd, Scope: 18,900 m2, Interior Improvement project for 9 floors at Cheung Kong Center, LEED ID+C v3 Gold and WELL Silver target, Hong Kong
- *Google Event Center, LEED v3 NC Gold, Event Center, Sunnyvale, CA
- *Moffett Place, LEED v3 CS Platinum for Buildings 1, 2, 3 & 4, LEEDv3 CS Gold for Building 5, and LEED v3 Gold Target for Building 6, Sunnyvale, CA
- *Moffett Towers II, LEED v3 CS Platinum, Sunnyvale, CA
- *Oracle Educational Facility, LEEDv3 NC Gold, Redwood City, CA
- *RVA Cupertino Office, LEED v4, Cupertino, CA
- *Salesforce Global Projects, LEED ID+C v4 Gold target, Atlanta, Bangalore, Burlington, Denver, New York, Palo Alto, Paris, Tokyo
- *Salesforce Tokyo Tower, One-star target, Fitwel, Tokyo, Japan
- *Sierra Point, LEEDv4 CS Silver target for all Buildings, South San Francisco, CA
- *South Waterfront Block 40, 41 and 42, LEED for Homes, Portland, OR
- *The Cove, LEEDv3 CS Gold for Building 3 and 4, LEED v3 Silver Target for Building 1 and 2, LEED v4 Silver Target for Building 5, 6, and 7, South San Francisco, CA
- *Uber Chicago, LEED v2, Chicago, IL
- *Uber New York, LEED v2, New York City, NY
- *Uber Sunnyvale, LEED v2, Sunnyvale, CA
- *Uber Global Projects, LEED ID+C v4 Gold target, Sunnyvale, Chicago, New York
- *Whitby Harbour, LEED for Homes, Whitby, ON

**Work performed at previous firm.*



8+

years of sustainability + clean energy experience

Professional Registrations

- Leadership in Energy and Environmental Design Accredited Professional (LEED® AP)
- WELL AP

Education + Training

- B.S., Mechanical Engineering, Pennsylvania State University

Affiliations + Memberships

- Chapter Member, USGBC

ELIZABETH ANDERSON, LEED® AP, WELL AP

Proposed Role: Carbon Reduction Specialist

Liz is a mechanical designer who focuses on sustainable design coordination for building systems, with specific expertise in mechanical systems. As an energy modeling specialist, Liz works with the design engineers to produce 3-D energy simulations that represent the expected energy use of the planned building. Through early design charrettes, Liz helps influence system selection and design. She is responsible for reporting results to LEED online and completing the appropriate templates for credit.

Project Experience

Sustainability Studies, Master Planning Concepts + Energy Audits

- [REDACTED]
- Gilead Pharmaceuticals, Foster City, CA -Campus PV Study and Site Utility Master Planning
- Hope Town United, Elbow Cay, Abaco Islands
- Orlando Sports Entertainment District -Sustainable Design Studies and Master Planning Concept
- Project 89 and Project H, Orlando, FL -Study of Energy Conservation Measures
- Portland Gas & Electric Reliability and Sustainability Studies, Portland, OR
- Uptown Tampa Sustainable Development, Tampa, FL

Commissioning, LEED + Energy Modeling Experience

- [REDACTED]
- Ak-Chin Tribal Administration Building, Tempe, AZ - Pursuing LEED NCv2009 Certification
- Altis Grand Central, Tampa, FL-NG BS Certified
- Altis Fairway Commons- Boca Raton FL - Pursuing LEED NC Certification
- Beach Club at Alys Beach, Jacksonville, FL - Pursuing FGBC Commercial Certification
- Brevard and Sumter County Rest Areas, Florida - Pursuing LEED BD+C: NC Certification
- The Cove Hotel -LEED and Energy Modeling - Pursuing LEED Certification
- Marina Bay Sands, Singapore
 - ArtScience Museum - LEED EBv2009 Gold
 - MICE - LEED EBv2009 Platinum
 - Hotel - Pursuing LEED EBv2009 Certification
 - Theater - Pursuing LEED O+M Certification EXP Maitland

ELIZABETH ANDERSON, LEED® AP, WELL AP – *continued*

Proposed Role: Carbon Reduction Specialist

Office, Maitland, FL - LEED Clv2009 Gold

- NASA Kennedy Space Center, FL
 - Headquarters 1- LEED NCv2009 Platinum
 - Headquarters 2 - Pursuing LEED NC Silver
- NSU Clearwater Campus, Academic Building Phase 1, Clearwater, FL - LEED BD+C: NC Silver
- Pauma Casino - Phase 1, Pauma Valley, CA
- Project Onyx, West Palm Beach, FL - LEED BD+C: NC Platinum
- The Plaza Coral Gables, Coral Gables, FL - Pursuing LEED Certification
- Sun Trax, Auburndale, FL - Pursuing LEED v4 Master Site Credits and Building Certification
- University of Central Florida, Orlando, FL
 - Classroom Building 1- Pursuing LEED O+M Silver
 - Downtown Campus Central Energy Plant - Pursuing LEED NCv2009 Gold

**Work performed at previous firm.*



9+

years of energy audit experience

Professional Registrations

- P.Eng. – ON

Education + Training

- B.Eng., Mgt., Bachelor of Mechanical Engineering and Management, McMaster University, Hamilton, 2013

Affiliations + Memberships

- Member, Professional Engineers Ontario
- Certified RetScreen Expert, The Canadian Institute for Energy Training

BRYAN IP, P.Eng., M.Eng.

Proposed Role: Energy Audit

Bryan has over nine years of combined experience in Mechanical Consulting, Energy Services, Sustainability Consulting and Municipal Government. Primarily focused on conducting ASHRAE Level 2 and 3 Energy Audits, identifying energy efficiency and climate mitigation/adaptation strategies, identifying and implementing energy and greenhouse gas emissions (GHGs) reduction opportunities, energy modeling to demonstrate compliance with various design standards, and establish pre-construction baselines and post-construction verification. He has been instrumental in projects across varying market sectors including civil, commercial, education and healthcare supporting energy incentive applications, and establishing energy and emission targets in P3 projects. Bryan has worked on various projects related to energy modeling, energy audits, greenhouse gas reduction, net zero carbon, climate resiliency assessments, mechanical and building automation system design.

Project Experience

York Region, Administrative Centre Climate Change Action Plan, ON

Project Engineer. Project management and coordination with external consultants for the development of the first Climate Change Action Plan at York Region, identifying climate change mitigation (decarbonization) and adaptation (resiliency) strategies for the York Region Administrative Centre, which is a 400,000 SF administrative headquarter for the Region. Efforts include coordinating with internal stakeholders, planning and budgeting for the recommended mitigation and adaptation strategies.

*City of Saskatoon, City-Wide Energy Study, Saskatoon, SK

Energy Engineer. City-Wide Energy Conservation Feasibility Study identifying energy conservation opportunities for multiple facilities owned and operated by the City, including arenas, administration buildings, and fire halls, and performing cost-benefit analysis. Primary role in this project includes scheduling, conducting energy audits, and performing detailed calculations for energy conservation measures.

*Department of National Defense, Base-Wide Energy Study, Cold Lake, AB

Energy Engineer. CFB Cold Lake, Base-Wide Energy Conservation Feasibility Study identifying energy conservation opportunities for buildings owned and operated by CFB Cold Lake, including the athletic centre, administration buildings, flight hangars, and central kitchen, and performing cost-benefit analysis. Primary role in this project includes scheduling, conducting energy audits, and performing detailed calculations for energy conservation measures.

*Government of Nunavut, Energy Study, NU

Energy Engineer. South Baffin and Kivalliq Region Energy Conservation Feasibility Study identifying energy conservation opportunities for government operated buildings (schools, hospitals etc.) across various communities within the Kivalliq and South Baffin Region. Primary role in this project includes conducting energy audits, and performing detailed calculations for energy conservation measures.

BRYAN IP, P.Eng., M.Eng. – *continued*

Proposed Role: Energy Audit

***City of Mississauga, Energy Study + BAS Re-Commissioning, Mississauga, ON**

Energy Engineer. City-Wide Energy Conservation Feasibility Study identifying energy conservation opportunities for municipal government operated buildings (community centers, performing theatres, fire halls, City Hall etc.) across the City of Mississauga. Primary role in this project includes conducting energy audits, developing a business case to identify the payback period and performing detailed calculations for energy conservation measures. City-Wide BAS Re-Commissioning of existing HVAC and BAS system at various community centers and municipal government operated buildings as part of the implementation stage.

***Government of Saskatchewan, Provincial Energy Study, SK**

Energy Engineer. Energy Conservation Feasibility Study identifying energy conservation opportunities for provincial government operated buildings (courthouses, government offices etc.) at Yorkton, Prince Albert and Meadow Lake. Primary role in this project includes conducting energy audits, developing a business case.

***University of Guelph, Green Gryphon Project, Guelph, ON**

Energy Engineer. Implementation of Campus-Wide Metering, Chilled Water and Heating Upgrades to facilitate energy conservation measures and measurement/verification solutions. Design development of engineered energy solutions, preparation of tender specifications, and construction administrative tasks to facilitate the project construction.

***St. Clair College, Energy Study & Implementation, Windsor, ON**

Energy Engineer. Campus-Wide Feasibility Study identifying energy conservation opportunities across the Windsor and Chatham-Kent campuses. Primary role in this project includes conducting energy audits, developing a business case to identify the payback period and performing detailed calculations for energy conservation measures. Implementation of VAV Conversion and AHU Replacement measures at the Windsor campus.

***Mohawk College, Campus-Wide Energy Conservation Feasibility Study, Hamilton, ON**

Energy Engineer. Campus-Wide Feasibility Study identifying energy conservation opportunities. Primary role in this project includes conducting energy audits, developing a business case to identify the payback period and performing detailed calculations for energy conservation measures.

***York University, Implementation of Campus-Wide Chilled Water Upgrades, Toronto, ON**

Energy Engineer. Implementation of Campus-Wide Metering, and Chilled Water Upgrades to facilitate energy conservation measures and measurement/verification solutions. Design development of engineered energy solutions, preparation of tender specifications, and construction administrative tasks to facilitate the project construction.

***Humber College, Campus Wide Metering Study, Toronto, ON**

Energy Engineer. Campus-Wide Metering Study to develop a design strategy to monitor and segregate energy consumption by the various loads for individual buildings across both the Lakeshore and Humber North campuses. The various building loads include the electrical lighting loads, end user loads, electrical loads of mechanical equipment, process loads, heating and cooling loads.

University of Toronto Scarborough – Air Handling & Enviro Controls Upgrade, Scarborough, ON

EXP is providing mechanical & electrical engineering services for this project which involves replacement and upgrade of key mechanical systems in the Science Wing (S-Wing) and Humanities Wing (H-Wing), Mechanical Penthouse and Central Plant. Bryan was a mechanical project engineer looking after the controls of HVAC system on this project.

**Work performed at previous firm.*



18+

years of energy modelling experience

ACE GARCIA, EIT, EP, PMP, LEED® AP, BD+C, WELL AP

Proposed Role: Energy Modelling

With over 18 years of experience, Ace focused his career on building service engineering designs and sustainable design/technology solutions. He has a wide gamut of project accomplishments from residential mansions, industrial & institutional facilities, high-rise commercial buildings and mission critical projects across the Middle East, Southeast Asia, North America, UK, and Australia. Ace has successfully submitted energy models for city building permits, site plan approvals/rezoning, P3 projects, LEED certification, and incentive programs. He also accomplished high profile energy modelling projects such as Jewel Changi Airport in Singapore, Modern Art Museum- Sydney, CBC HQ-Montreal, and a few buildings throughout Canada and the United States.

Project Experience

Net Zero + Climate Impact Feasibility Studies

Residential Units and Condominium, Toronto, ON

Provided resiliency (Passive Thermal Survivability) and climate risk assessments on years 2020, 2050 and 2080 for proposed residential housing and condominium projects in downtown Toronto area.

South Niagara Hospital, Niagara Falls, ON

Provided Energy Modelling, Resiliency and Net Zero Plan

Canada Post, Scarborough, ON

Provided Energy Modelling, CAGBC Net Zero Carbon Building Framework

*Jewel Changi Airport, Singapore

Engineering Design, Energy modelling and GreenMark Certification for this 1.5M SF aviation hub. Consists of offices, retail spaces, hotels, theater forest valley and waterfall vortex with project costs of \$1.7B.

66 Jutland Offices, Etobicoke, ON

TGS/SPA energy modelling/Strategies. A 126,000 SF space with 58 offices.

*2 Queen Street East, Toronto, ON

Energy model/envisioning/savings by design for this 534,400 SF, 20-storey commercial development with office, retail, and parking.

*Abu Dhabi Plaza, Astana, Kazakhstan

Energy modelling and LEED for this 5,400,000 SF mixed used development complex.

*Langley Mall Building 2, Langley, British Columbia

CRU energy modelling and LEED.

Professional Registrations

- EIT – ON
- PMP
- LEED® AP BD+C
- WELL AP
- Fitwel Ambassador
- Chartered Building Engineer (UK)
- Registered Mechanical Engineer (PHL)

Education + Training

- B.Sc. Mechanical Engineering, Mapúa University, Manila Phil 2005

Affiliations + Memberships

- Member, Professional Engineers Ontario
- Member, Project Management Institute
- Member, American Society of Heating, Refrigerating and Air-Conditioning Engineers
- Member, Canadian & US Green Building Council
- IBPSA-USA – Certification Committee
- Member, Chartered Institution of Building Services Engineers
- Member, Chartered Association of Building Engineers

ACE GARCIA, EIT, EP, PMP, LEED® AP, BD+C, WELL AP – continued

Proposed Role: Energy Modelling

***AETAS Building, Singapore**

Energy modelling and LEED.

***PHILAM Life Center Cebu, Philippines**

Energy modelling and LEED consultancy.

***Harbour Plaza Tower 1 & 2, Toronto ON**

Energy modelling and HPNC incentives for two high rise residential towers.

***New Maison De Radio Canada, Montreal, ON**

A 418,000 SF development consisting of a data center, offices, and media production. Energy modelling and performance incentives.

***University of Toronto, UTS and Fitzgerald Building Revitalization, Toronto, ON**

Energy modelling and feasibility studies to buildings and equipment around the campus.

***University of Toronto, Dentistry Building, Toronto, ON**

Energy modelling and feasibility studies to buildings and equipment around the campus.

***Ryerson University, Various Projects, Toronto, ON**

Energy reduction and mechanical system improvement studies for RCC, Pitman, Victoria, Jorgenson Hall, Podium and Library.

***Edwin-Parr Composite School, Athabasca AB**

Energy modelling and LEED for this 900-student school development with project costs of \$23.6M.

***Brookside Intermediate School, St. Philips, NL**

Energy modelling and LEED for this 74,000 SF project with classrooms, library, offices, and gymnasium.

***St. Joseph Care Group, SMHRP, Thunder Bay, ON**

Energy modelling and LEED for this 332,000 SF Health Care facility with project cost of \$41.2 M.

***LTC project, Whitby, ON**

Energy modelling.

***Sienna Senior Living, North Bay Long-Term Care & Retirement Home, North Bay, ON**

Building Permit Energy modelling.

***Sienna Long-Term Care Cedarvale , Keswick Georgina, ON**

Building Permit Energy modelling.

***1001 Broadview Ave. Toronto, ON**

Energy model/strategy for this 93,700 SF residential development.

**Work performed at previous firm.*



SUSTAINABILITY POLICY



sustainability policy / objectives

At EXP, sustainability is embedded in everything we do. Whether for our clients, in the workplace or our communities, we are driven to educate, improve and take action towards building a sustainable future.

our goals

We don't only look at where we are but where we are going. Building resilient and healthy communities, adapting to environmental change and transforming our world through innovative solutions and socially responsible engagement are actionable items we aim to accomplish every day. Our sustainability practice is built on foundational principles that guide us towards an environmentally, socially and economically sustainable future.

we are dedicated to

- Drive forward-thinking ideas and smart solutions that foster sustainable, long-term value for our clients and projects
- Consistently evaluate our own environmental and social impacts and take actions to reduce waste and our carbon footprint
- Serve as educators and mentors on sustainable practices both externally and within our firm – driving research and industry thought leadership
- Create safe, healthy, sustainable environments for our workplace that embrace collaboration, inclusion and wellness
- Engage with our communities to drive positive impacts where we live, work and play

These principles are threaded through our practices, projects and our vision for the future.

Together, let's explore the possibilities!

Ivan Dvorak, PE
Chairman + Chief Executive Officer

Mark Dvorak, PE
President + Chief Operating Officer



SUSTAINABILITY

At EXP, sustainability is a part of every aspect of our business. We are focused on creating positive environmental, social and economic impacts for our clients, our communities and within our organization.

SUSTAINABLE EXPERTISE

Across our practice, we progress forward-thinking ideas and smart solutions that drive value for our clients. We leverage technology to improve sustainable design performance, implement green construction practices and use scientific methods to protect the world's natural habitats.

We are using our expertise to study community resilience and address the economic impacts of regional infrastructure. As a LEED Proven Provider and an Envision qualified company, we have helped obtain sustainable certification for tens of millions of square footage around the world.

RESEARCH + THOUGHT LEADERSHIP

Combining global and local perspective, we consider the broader environmental impacts. We dedicate resources to research and development, invest in our people and promote collaboration around best practices. Through entrepreneurship and the exchange of ideas, we continuously seek new methods that balance efficiency and economic return, while improving sustainable output.

SUSTAINABILITY WITHIN OUR ORGANIZATION

We put our words into action within our organization. We are committed to providing healthy, safe and sustainable environments for all our employees. We implement firmwide strategies from sustainable procurement to energy, water and waste reduction. We benchmark energy use across our portfolio and set targets for reducing our carbon footprint.

SOCIAL RESPONSIBILITY

We encourage socially responsible engagement in our communities. We empower our employees to participate in community building and encourage them to serve as stewards for the environment outside of the workplace. As a firm and as individuals we actively participate in mentorship programs to engage the next generation of engineers, architects, designers and specialists.

#25

Top 500 Design Firms,
ENR, 2023

400+

LEED Certified
Projects

UN

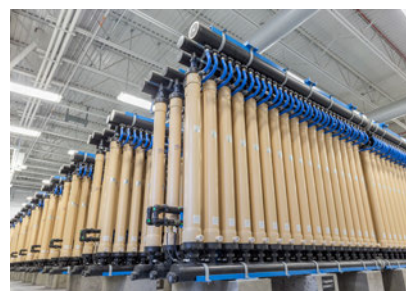
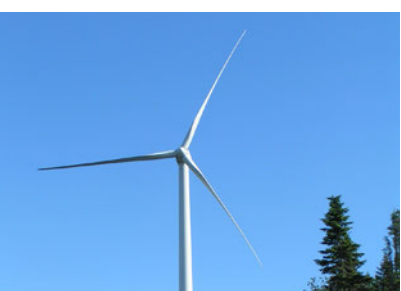
Global Compact
Signatory

ENVISION

Qualified Company +
Charter Member

LEED

Proven Provider



SUSTAINABILITY, RESILIENCE + REGENERATIVE DESIGN



As part of our multidisciplinary practice, EXP provides sustainable design and construction, sustainable consulting, certification support for numerous green rating programs, as well as solutions for environmental, power, water and waste. We have worked with communities on strategies for resilience, facilitated water and waste reduction strategies and have worked on hundreds of green certified projects around the world.

KEY SERVICES

Building Sustainability

- Sustainable + regenerative building design
- Net zero building design strategies
- Carbon neutral readiness assessment + planning
- Air quality + emissions
- Building automation
- Commissioning, retro-commissioning + re-commissioning
- Daylighting analysis + simulation
- Energy audits
- Energy modeling
- Measurement + verification
- Monitoring-based commissioning
- Sustainable building certification consulting, administration + documentation
- Water-efficient processes + buildings

Energy

- Circular economy + lifecycle analysis
- Renewable energy systems
- Carbon management
- Carbon capture, use + storage
- Waste to energy

Planning

- Sustainable master planning + strategic planning
- Smart grids + cities
- Land use + development

Infrastructure + Resilience Planning

- Sustainable infrastructure design
- Sustainable infrastructure certification consulting, administration + documentation
- Greenhouse gas (GHG) life cycle assessment
- Climate change adaptation + resiliency
- Coastal resilience + sea level rise
- Stormwater management, design + simulation
- Electric vehicle charging solutions
- Wastewater services
- Waste management + treatment
- Water re-use + treatment systems design

Environmental, Regulatory + Compliance

- Environmental + social impact assessments
- Environmental compliance
- Environmental, social + governance (ESG) reporting
- Greenhouse gas analysis + management

400+

LEED certified projects

ENVISION

qualified company + charter member

LEED

proven provider



Sustainable Infrastructure

From environmental remediation and waste management to water treatment and renewable energy studies, we use our sustainable expertise to bring long-term infrastructure strategies. We also bring sustainable design and construction strategies for transportation infrastructure.

High-Performance Buildings

Our design and consulting practices integrate sustainable strategies that optimize buildings for improved performance and asset longevity. From water and energy reduction measures to solar and renewable energy strategies to building automation, we bring a toolkit of methodologies to improve our clients' building performance, even across building portfolios.

Sustainable Certification

We provide full LEED, WELL, NGBS and other rating system administration and green certification guidance – as part of design teams or as a direct representative of the owner. Our commissioning teams perform design reviews, provide guidance on energy-efficient building operations and help execute functional and performance testing of energy and water-using systems before occupancy.

Community Resilience

Our teams are working with communities around the world to develop strategies for resilience. Integrating ecology, energy, water, biodiversity and access to natural resources, we support long-term planning focused on climate adaptation and future readiness.

CAM #23-0792

Exhibit 5

Page 135 of 199



exp.



EXP U.S. Services Inc.

6750 North Andrews, Suite 200 | Fort Lauderdale, FL 33309 | USA

t: +1. 305.631.2208

exp • com

SECTION 4.2.8

REQUIRED FORMS

- A. Proposal Certification
- B. Cost Proposal
- C. Non-Collusion Statement
- D. Non-Discrimination Certification Form
- E. Local Business Preference (LBP)
- F. Disadvantaged Business Enterprise Preference (DBEP)
- G. Contract Payment Method
- H. E-Verify Affirmation Statement
- I. Sample Insurance Certificate
- J. W-9 for Proposing Firm
- K. Active Status Page from Division of Corporations – Sunbiz.org

A. PROPOSAL CERTIFICATION



CITY OF FORT LAUDERDALE BID/PROPOSAL CERTIFICATION

Please Note: It is the sole responsibility of the bidder/proposer to ensure that their response is submitted electronically through the [City's on-line strategic sourcing platform](#) prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

If you are a foreign corporation, you may be required to obtain a certificate of authority from the department of state, in accordance with Florida Statute §607.1501 (visit <http://www.dos.state.fl.us/>).

Company: (Legal Registration) EXP U.S. Services Inc. EIN (Optional): 46-0523964

Address: 6750 North Andrews Avenue Suite 200

City: Fort Lauderdale State: FL Zip: 33309

Telephone No.: 305-631-2208 FAX No.: N/A Email: kyle.henry@exp.com

Delivery: Calendar days after receipt of Purchase Order (**section 1.02 of General Conditions**): 120

Total Bid Discount (**section 1.05 of General Conditions**): N/A

Check box if your firm qualifies for DBE (**section 1.09 of General Conditions**):

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:

Addendum No.	Date Issued	Addendum No.	Date Issued	Addendum No.	Date Issued	Addendum No.	Date Issued
<u>1</u>	<u>6/9/2023</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

VARIANCES: If you take exception or have variances to any term, condition, specification, scope of service, or requirement in this competitive solicitation you must specify such exception or variance in the space provided below or reference in the space provided below all variances contained on other pages within your response. Additional pages may be attached if necessary. No exceptions or variances will be deemed to be part of the response submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A.

N/A

The below signatory hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid/proposal. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this bid/proposal. The below signatory also hereby agrees, by virtue of submitting or attempting to submit a response, that in no event shall the City's liability for respondent's direct, indirect, incidental, consequential, special or exemplary damages, expenses, or lost profits arising out of this competitive solicitation process, including but not limited to public advertisement, bid conferences, site visits, evaluations, oral presentations, or award proceedings exceed the amount of Five Hundred Dollars (\$500.00). This limitation shall not apply to claims arising under any provision of indemnification or the City's protest ordinance contained in this competitive solicitation.

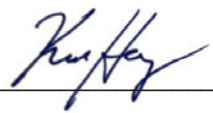
Submitted by:

Kyle Henry

Name (printed)

6/13/2023

Date



Signature

Vice President

Title

B. COST PROPOSAL

SECTION VI - COST PROPOSAL PAGE

Proposer Name: EXP US Services

Proposer agrees to supply the products and services at the prices bid/proposed below in accordance with the terms, conditions and specifications contained in this RFP.

Cost to the City: Contractor shall quote firm, fixed, costs for all services/products identified in this request for proposal. These firm fixed costs for the project include any costs for travel and miscellaneous expenses. No other costs will be accepted.

Notes:

Attach a breakdown of all costs by task, including but not limited to staff time and hours per task broken out by job titles. Labor breakdown shall include titles, hourly rates, and hours assigned per task.

1. Task 1 – Project Management Subtotal:	\$ <u>20,000</u>
2. Task 2 - Existing Conditions Review & Emissions Modelling Subtotal:	\$ <u>27,000</u>
3. Task 3 – Branding Subtotal:	\$ <u>4,500</u>
4. Task 4 – Meetings and Stakeholder Input Subtotal:	\$ <u>49,000</u>
5. Task 5 – Prepare Draft Net Zero Plan Subtotal:	\$ <u>37,500</u>
6. Task 6 – Prepare Final Net Zero Plan Subtotal:	\$ <u>12,000</u>
Total Roadmap to Net Zero Plan Project Cost	\$ <u>150,000</u>

Submitted by:

Kyle Henry
Name (printed)

6/13/23
Date


Signature

Vice President
Title

C. NON-COLLUSION STATEMENT



NON-COLLUSION STATEMENT

By signing this offer, the vendor/contractor certifies that this offer is made independently and free from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,


3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g., ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents, and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

<u>NAME</u>	<u>RELATIONSHIPS</u>
N/A	N/A
_____	_____
_____	_____
_____	_____
_____	_____

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.


 Authoriz
 Kyle Henry
 Name (Printed)

Vice President

 Title
 6/13/2023

 Date

D. NON-DISCRIMINATION CERTIFICATION FORM





**CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH
NON-DISCRIMINATION PROVISIONS OF THE CONTRACT**

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to City Ordinance Sec. 2-17(a)(i)(ii), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

- A. Contractors doing business with the City shall not discriminate against their employees based on the employee's race, color, religion, gender (including identity or expression), marital status, sexual orientation, national origin, age, disability, or any other protected classification as defined by applicable law.

Contracts. Every Contract exceeding \$100,000, or otherwise exempt from this section shall contain language that obligates the Contractor to comply with the applicable provisions of this section.

The Contract shall include provisions for the following:

- (i) The Contractor certifies and represents that it will comply with this section during the entire term of the contract.
- (ii) The failure of the Contractor to comply with this section shall be deemed to be a material breach of the contract, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.

A handwritten signature in blue ink, appearing to read "K. Henry".

Authorized Signature

Kyle Henry, Vice President

Print Name and Title

6/13/2023

Date

E.LOCAL BUSINESS PREFERENCE (LBP)





LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT

The Business identified below certifies that it qualifies for the local business price preference classification as indicated herein, and further certifies and agrees that it will re-affirm its local preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this ITB. Violation of the foregoing provision may result in contract termination.

(1) is a Class A Business as defined in City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. A copy of the City of Fort Lauderdale current year Business Tax Receipt and a complete list of full-time employees and evidence of their addresses shall be provided within 10 calendar days of a formal request by the City.

Business Name

(2) is a Class B Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. A copy of the Business Tax Receipt or a complete list of full-time employees and evidence of their addresses shall be provided within 10 calendar days of a formal request by the City.

Business Name

(3) is a Class C Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. A copy of the Broward County Business Tax Receipt shall be provided within 10 calendar days of a formal request by the City.

Business Name

(4) requests a Conditional Class A classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.

Business Name

(5) requests a Conditional Class B classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.

EXP U.S. Services Inc. Business Name

(6) is considered a Class D Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186 and does not qualify for Local Preference consideration.

Business Name

BIDDER'S COMPANY: EXP U.S. Services Inc.

AUTHORIZED COMPANY PERSON: Kyle Henry

[Handwritten Signature]

6/13/2023

PRINT NAME

SIGNATURE

DATE

F. DISADVANTAGED BUSINESS ENTERPRISE PREFERENCE (DBEP)





DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATION STATEMENT

The Business identified below certifies that it qualifies for the disadvantaged business enterprise price preference classification as indicated herein, and further certifies and agrees that it will re-affirm its preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this solicitation. Violation of the foregoing provision may result in contract termination.

(1) is a disadvantaged class 1 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the city, and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(2) is a disadvantaged class 2 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business within the limits of the city with a full-time employee(s) and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(3) is a disadvantaged class 3 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the Tri-County area and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(4) is a disadvantaged class 4 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that does not qualify as a Class A, Class B, or Class C business, but is located in the State of Florida and provides supporting documentation of its disadvantaged certification as established in the City's Procurement Manual.

Business Name

(5) is not considered a Disadvantaged Enterprise Business as defined in the City of Fort Lauderdale Ordinance Sec.2-185 and does not qualify for DBE Preference consideration.

EXP U.S. Services Inc.

Business Name

BIDDER'S COMPANY: **EXP U.S. Services Inc.**

AUTHORIZED COMPANY PERSON: **Kyle Henry**  **6/13/2023**

PRINT NAME SIGNATURE DATE



DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATION STATEMENT

The Business identified below certifies that it qualifies for the disadvantaged business enterprise price preference classification as indicated herein, and further certifies and agrees that it will re-affirm its preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this solicitation. Violation of the foregoing provision may result in contract termination.

(1) is a disadvantaged class 1 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the city, and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(2) is a disadvantaged class 2 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business within the limits of the city with a full-time employee(s) and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(3) is a disadvantaged class 3 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the Tri-County area and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Garth Solutions, Inc.
Business Name

(4) is a disadvantaged class 4 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that does not qualify as a Class A, Class B, or Class C business, but is located in the State of Florida and provides supporting documentation of its disadvantaged certification as established in the City's Procurement Manual.

Business Name

(5) is not considered a Disadvantaged Enterprise Business as defined in the City of Fort Lauderdale Ordinance Sec.2-185 and does not qualify for DBE Preference consideration.

Business Name

BIDDER'S COMPANY: Garth Solutions, Inc.

AUTHORIZED COMPANY PERSON: Yvonne Garth
PRINT NAME

[Signature]
SIGNATURE

06/08/23
DATE

G. CONTRACT PAYMENT METHOD



CONTRACT PAYMENT METHOD

The City of Fort Lauderdale has implemented a Procurement Card (P-Card) program which changes how payments are remitted to its vendors. The City has transitioned from traditional paper checks to credit card payments via MasterCard or Visa as part of this program.

This allows you as a vendor of the City of Fort Lauderdale to receive your payments fast and safely. No more waiting for checks to be printed and mailed.

In accordance with the contract, payments on this contract will be made utilizing the City's P-Card (MasterCard or Visa). Accordingly, bidders must presently have the ability to accept the credit card or take whatever steps necessary to implement acceptance of a card before the start of the contract term, or contract award by the City.

All costs associated with the Contractor's participation in this purchasing program shall be borne by the Contractor. The City reserves the right to revise this program as necessary.

By signing below, you agree with these terms.

Please indicate which credit card payment you prefer:

MasterCard

Visa

EXP U.S. Services Inc.

Company Name

Kyle Henry

Name (Printed)

Signature

Vice President

Title

6/13/2023

Date

H. E-VERIFY AFFIRMATION STATEMENT





E-VERIFY AFFIRMATION STATEMENT

Solicitation/Bid /Contract No: _____ RFP # Event 95

Project Description:

With the sunseting of the 2011 SAP and the adoption of new GHG reduction goals, the City of Fort Lauderdale is soliciting Professional Consulting Services to develop a Roadman to Net Zero Plan (Plan) that will identify pathways to achieve the City's Contractor/Proposer/Bidder acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of,

- A. all persons employed by Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,
- B. all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the Contract is a condition of the Contract.

Contractor/Proposer/ Bidder Company Name: **EXP U.S. Services Inc.** _____

Authorized Company Person's Signature: _____ *Kuffey*

Authorized Company Person's Title: **Vice President** _____

Date: **6/13/2023** _____

I. SAMPLE INSURANCE CERTIFICATE





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/30/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis Towers Watson Midwest, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	CONTACT NAME: Willis Towers Watson Certificate Center PHONE (A/C, No. Ext): 1-877-945-7378 E-MAIL ADDRESS: certificates@willis.com	FAX (A/C, No): 1-888-467-2378
	INSURER(S) AFFORDING COVERAGE	
INSURED EXP U.S. Services Inc. 201 Alhambra Circle, Suite 800 Coral Gables, FL 33134	INSURER A: XL Insurance America Inc NAIC # 24554	
	INSURER B: National Fire Insurance Company of Hartford 20478	
	INSURER C: Continental Casualty Company 20443	
	INSURER D: AIG Insurance Company of Canada B1206	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER: W29105837** **REVISION NUMBER:**


THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liability GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	Y	US00057823LI23A	03/31/2023	03/31/2024	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 2,000,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY	Y		6076413496	03/31/2023	03/31/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB EXCESS LIAB OCCUR CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N No	N/A	6072004033	03/31/2023	03/31/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Professional Liability			061127095	03/31/2023	03/31/2024	Per Claim \$3,000,000 Aggregate \$3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: RFP # Event 95- Net Zero Plan for the City of Fort Lauderdale.
 Location: In the City of Fort Lauderdale within Broward County, Florida

The City, a Florida municipal corporation, its officials, employees, and volunteers are included as Additional Insureds with respect to General Liability and Auto Liability policies
 General Liability policy shall be Primary and Non-contributory with any other insurance in force for or which may be

CERTIFICATE HOLDER	CANCELLATION
City of Fort Lauderdale 100 N. Andrews Avenue Fort Lauderdale, FL 33301	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 

J. W-9 FOR PROPOSING FIRM

Request for Taxpayer Identification Number and Certification

**Give Form to the
requester. Do not
send to the IRS.**

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type.
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. EXP U.S. Services Inc.	
2 Business name/disregarded entity name, if different from above	
3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ▶ _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) 5 Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
5 Address (number, street, and apt. or suite no.) See instructions. 205 N Michigan Ave, Ste 3600	Requester's name and address (optional)
6 City, state, and ZIP code Chicago IL 60601	
7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number															
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> </tr> </table>													-	-	-
or															
Employer identification number															
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">4</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">6</td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">-</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">0</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">5</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">2</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">3</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">9</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">6</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">4</td> </tr> </table>	4	6		-	0	5	2	3	9	6	4				
4	6		-	0	5	2	3	9	6	4					

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here

Signature of U.S. person ▶

Date ▶ 1/24/2023

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

**K. ACTIVE STATUS PAGE
FROM DIVISIONS OF
CORPORATIONS – SUNBIZ.ORG**



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Search by Entity Name](#) /

Detail by Entity Name

Foreign Profit Corporation

EXP U.S. SERVICES INC.

Filing Information

Document Number F11000001440

FEI/EIN Number 46-0523964

Date Filed 04/04/2011

State DE

Status ACTIVE

Last Event AMENDMENT

Event Date Filed 02/27/2012

Event Effective Date NONE

Principal Address

56 Queen Street East
Suite 301
Brampton, Ontario L6V 4M8 CA

Changed: 05/13/2020

Mailing Address

56 Queen Street East
Suite 301
Brampton, Ontario L6V 4M8 CA

Changed: 05/13/2020

Registered Agent Name & Address

C T CORPORATION SYSTEM
1200 SOUTH PINE ISLAND ROAD
PLANTATION, FL 33324

Name Changed: 12/22/2011

Address Changed: 12/22/2011

Officer/Director Detail

Name & Address

Title VP

Stevens, Phil

CAM #23-0792

2601 Westhall Lane
Maitland, FL 32751

Title CFO/Treasurer

Walters, Deborah
205 N. Michigan Ave.
Suite 3600
Chicago, IL 60601

Title Director/COO/President

Dvorak, Mark
205 N. Michigan Ave.
Suite 3600
Chicago, IL 60601

Title Chairman of the board/CEO

Dvorak, Ivan
205 N. Michigan Ave.
Suite 3600
Chicago, IL 60601

Title Secretary

Ahn, Hae-Jin (Priscilla)
56 Queen Street East
Suite 301
Brampton, Ontario L6V 4M8 CA

Title VP

Weise, Kathy
205 N. Michigan Ave.
Suite 3600
Chicago, IL 60601

Title VP

McGuire, William
2601 Westhall Lane
Maitland, FL 32751

Title VP

Danley, Byron
205 North Michigan Avenue
Suite 3600
Chicago, IL 60601

Title VP

Nair, R Shankar
442 E. North Water St.
Chicago, IL 60601

Title VP

Gibson, Paul
5670 Oberlin Drive
San Diego, CA 92121

Title Director/Executive Vice President

Neumann, Timothy D
5700 Fairmount Ave.
Downers Grove, IL 60516

Annual Reports

Report Year	Filed Date
2019	03/28/2019
2019	05/13/2019
2020	05/13/2020

Document Images

05/13/2020 -- ANNUAL REPORT	View image in PDF format
05/13/2019 -- AMENDED ANNUAL REPORT	View image in PDF format
03/28/2019 -- ANNUAL REPORT	View image in PDF format
04/20/2018 -- AMENDED ANNUAL REPORT	View image in PDF format
04/04/2018 -- ANNUAL REPORT	View image in PDF format
11/17/2017 -- AMENDED ANNUAL REPORT	View image in PDF format
06/19/2017 -- AMENDED ANNUAL REPORT	View image in PDF format
04/27/2017 -- AMENDED ANNUAL REPORT	View image in PDF format
04/21/2017 -- ANNUAL REPORT	View image in PDF format
04/04/2016 -- ANNUAL REPORT	View image in PDF format
04/23/2015 -- ANNUAL REPORT	View image in PDF format
04/05/2014 -- ANNUAL REPORT	View image in PDF format
04/15/2013 -- ANNUAL REPORT	View image in PDF format
04/26/2012 -- ANNUAL REPORT	View image in PDF format
02/27/2012 -- Amendment	View image in PDF format
12/22/2011 -- Reg. Agent Change	View image in PDF format
09/21/2011 -- Amendment	View image in PDF format
04/04/2011 -- Foreign Profit	View image in PDF format



City of Fort Lauderdale • Procurement Services Division
100 N. Andrews Avenue, Suite 619 • Fort Lauderdale, Florida 33301
954-828-5933 • Fax 954-828-5576 • purchase@fortlauderdale.gov

ADDENDUM NO. 1

RFP: Event 95

TITLE: Net Zero Plan for the City of Fort Lauderdale

ISSUED: June 9, 2023

This addendum is being issued to provide additional information to help aid proposers in providing their most accurate Statement of Work.

1. The attached report from 2014 is the most current information we could find that lists the City owned and operated buildings including their square footage.

All other terms, conditions, and specifications remain unchanged.

Laurie Platkin
Senior Procurement Specialist

Company Name: EXP U.S. Services Inc.
(please print)

Bidder's Signature: 

Date: 6/12/2023

Facility FCIs (Part 1 of 2)

Department	Asset Name	Size	Year Built	Backlog Total	Current Replacement Value	FCI	% of Total Backlog
Parks & Rec	Bayview Park - Concession Bldg.	1,600 SF	2006	\$0	\$234,500	0.00	83%
Parks & Rec	Beach Community Center	12,573 SF	2001	\$0	\$2,087,900	0.00	
Parks & Rec	Beach Maintenance Building	8,244 SF	1987	\$0	\$728,200	0.00	
Sustainability And Development	Building Services Center	43,000 SF	2005	\$0	\$9,270,000	0.00	
Parks & Rec	Carter Park - Annex/Library	1,818 SF	1986	\$0	\$350,000	0.00	
Parks & Rec	Coast Guard Auxiliary	2,400 SF	1967	\$0	\$215,800	0.00	
Parks & Rec	Croissant Park - Community Center	5,354 SF	2001	\$0	\$749,000	0.00	
Fort Lauderdale Executive Airport	Executive Airport - Administration Building	10,000 SF	2002	\$0	\$1,530,400	0.00	
Fire Department	Fire Station No. 29	10,291 SF	2010	\$0	\$2,283,500	0.00	
Fire Department	Fire Station No. 35	12,207 SF	2012	\$0	\$2,528,000	0.00	
Fire Department	Fire Station No. 46	10,817 SF	2013	\$0	\$2,165,300	0.00	
Fire Department	Fire Station No. 47	15,391 SF	2008	\$0	\$3,334,100	0.00	
Fire Department	Fire Station No. 49	12,170 SF	2010	\$0	\$2,700,437	0.00	
Public Works	Fiveash Wtp - Ammonia Bldg	2,500 SF	2006	\$0	\$524,500	0.00	
Public Works	Fiveash Wtp - Microwave Bldg.	504 SF	1970	\$0	\$36,068	0.00	
Parks & Rec	Floyd Hull Press/Concess/Restrm East	1,983 SF	2011	\$0	\$298,600	0.00	
Parks & Rec	Floyd Hull Restrm/Concession West	1,983 SF	2011	\$0	\$298,600	0.00	
Public Works	G. T. L - Generator Bldg.	1,125 SF	1986	\$0	\$479,300	0.00	
Public Works	G. T. L - Sludge Pump House #2	1,600 SF	1986	\$0	\$408,100	0.00	
Parks & Rec	Holiday Park - Concession Phase 2	2,210 SF	2000	\$0	\$267,100	0.00	
Parks & Rec	Hort Community Center	1,989 SF	2012	\$0	\$415,600	0.00	
Parks & Rec	Lauderdale Manors Park - Pool Bldg.	955 SF	2001	\$0	\$74,600	0.00	
Parks & Rec	Lauderdale Manors Park - Rec. Center	4,399 SF	2001	\$0	\$667,000	0.00	
Parks & Rec	Palm Aire Village Park - Restrooms	1,080 SF	2002	\$0	\$163,300	0.00	
Transportation & Mobility	Parking Administration Bldg.	14,449 SF	1960	\$0	\$1,330,400	0.00	
Public Works	Parks Comp., Elec. Dist.	886 SF	1964	\$0	\$110,500	0.00	
Public Works	Parks Comp., Fuel	15,768 SF	1996	\$0	\$99,200	0.00	
Public Works	Parks Comp., Vehicle Wash	1,000 SF	1996	\$0	\$63,900	0.00	
Public Works	Peele Dixie Mtp Chemical Bldg	5,079 SF	2007	\$0	\$1,117,400	0.00	
Public Works	Peele Dixie Mtp Generator Bldg	1,608 SF	2007	\$0	\$341,300	0.00	
Public Works	Peele Dixie Wtp - Fpl Switchgear House	859 SF	1985	\$0	\$188,000	0.00	
Public Works	Peele Dixie Wtp - Lime House	6,840 SF	1957	\$0	\$2,257,900	0.00	
Police Department	Police Horse Barn - Holiday Park	6,010 SF	1993	\$0	\$536,600	0.00	
Public Works	Prospect Wellfield Generator Building East	2,080 SF	1968	\$0	\$349,500	0.00	
Public Works	Prospect Wellfield Generator Building West	852 SF	1957	\$0	\$143,100	0.00	
Parks & Rec	Riverside Park - Activity Center	2,047 SF	2003	\$0	\$380,100	0.00	
Parks & Rec	Snyder Park - Southlake Family Restroom	100 SF	1972	\$0	\$16,030	0.00	
Parks & Rec	Snyder Park - Train Station	1,173 SF	1958	\$0	\$299,467	0.00	
Risk	Trash Transfer Station - Repump Bldg.	3,600 SF	1971	\$0	\$472,700	0.00	
Public Works	Executive Airport - Repump Station "E"	2,000 SF	2007	\$496	\$258,700	0.00	
Fire Department	Fire Station No. 13	6,100 SF	1972	\$561	\$1,582,300	0.00	
Public Works	Dixie Wellfield Generator Building	1,280 SF	2007	\$585	\$205,184	0.00	
Public Works	Poinciana Park Pump House	2,405 SF	2007	\$692	\$564,500	0.00	
Parks & Rec	Snyder Park - Office/Administration Bldg.	2,464 SF	1973	\$757	\$184,200	0.00	
Public Works	G. T. L - Pretreatment Bldg.	39,000 SF	1980	\$1,743	\$10,195,300	0.00	
Fire Department	Fire Station No. 3	8,742 SF	2010	\$3,842	\$1,873,300	0.00	
Parks & Rec	Parks Comp., Bldg. 3, 4A, 4B, Gen. Services	14,400 SF	1964	\$5,351	\$1,326,700	0.00	
Fire Department	Fire Station No. 53	27,310 SF	2008	\$8,164	\$6,099,400	0.00	
Public Works	Parks Comp., Garage, Fleet, Fire Logistic	35,944 SF	1964	\$14,693	\$3,550,000	0.00	
Public Works	Peele Dixie Mtp Admn / Membrane Bldg	27,173 SF	2007	\$14,775	\$6,086,400	0.00	
Public Works	G. T. L - Effluent Bldg.	25,225 SF	1986	\$30,280	\$7,460,300	0.00	
Transportation & Mobility	Arts & Science Parking Garage	295,920 SF	1990	\$74,134	\$21,500,000	0.00	
Parks & Rec	Carter Park - Concession / Pressbox	2,800 SF	2005	\$2,524	\$377,500	0.01	
Transportation & Mobility	City Hall Garage	456,192 SF	1967	\$150,917	\$21,897,200	0.01	
Transportation & Mobility	City Park Mall - Garage	1,000,000 SF	1985	\$373,738	\$38,600,000	0.01	
Fort Lauderdale Executive Airport	Executive Airport - New Maintenance	7,745 SF	2011	\$5,331	\$658,300	0.01	
Public Works	G. T. L - Dewatering Bldg.	21,150 SF	1986	\$54,413	\$5,647,400	0.01	
Parks & Rec	George English Park - Rec Ctr/Rstrm/Pro Shop	3,149 SF	2006	\$11,234	\$1,329,000	0.01	
Parks & Rec	Holiday Park - Concession Phase 1	2,940 SF	1998	\$1,837	\$269,600	0.01	
Parks & Rec	Holiday Park - Gym & Ranger Station	14,500 SF	1964	\$21,818	\$2,323,000	0.01	
Parks & Rec	Parks Comp., Bldg. 2, Parks Office	3,231 SF	1964	\$4,123	\$313,300	0.01	
Public Works	G. T. L - Mechanical Shop	720 SF	1986	\$1,224	\$83,000	0.02	
Parks & Rec	Holiday Park - Social Center	8,299 SF	1965	\$11,507	\$760,000	0.02	
Public Works	Las Olas Repump Station D-37 House	1,800 SF	1950	\$6,738	\$379,500	0.02	
Police Department	Police Harbor Patrol & Bathrooms	1,478 SF	1974	\$4,445	\$183,100	0.02	
Police Department	Police Organized Crime	8,458 SF	1954	\$14,325	\$648,900	0.02	
Parks & Rec	Warfield Park - Recreation Center	3,750 SF	2000	\$15,875	\$679,100	0.02	
Public Works	Fiveash Wtp - Maintenance Shop	2,463 SF	1957	\$13,353	\$394,819	0.03	

Facility FCIs (Part 2 of 2)

Department	Asset Name	Size	Year Built	Backlog Total	Current Replacement Value	FCI	% of Total Backlog	
Parks & Rec	Floyd Hull Madera Tyrell Bldg	1,273 SF	1997	\$7,684	\$296,991	0.03	83%	
Public Works	G. T. L - Sludge Pump Station No.3	10,520 SF	1986	\$63,424	\$2,347,500	0.03		
Parks & Rec	Mills Pond Park - Restroom/Concession	1,280 SF	2000	\$4,175	\$152,700	0.03		
Parks & Rec	Osswald Restroom (East)	750 SF	1991	\$3,181	\$126,800	0.03		
Parks & Rec	Osswald Restroom (West)	750 SF	1991	\$4,130	\$126,900	0.03		
Police Department	Police Jail	26,979 SF	1982	\$143,066	\$4,619,900	0.03		
Parks & Rec	Riverland Park Activity Center	3,380 SF	2004	\$42,800	\$1,453,500	0.03		
Parks & Rec	Snyder Park - Caldwell Pavilion / Restrooms	4,898 SF	1989	\$13,024	\$406,900	0.03		
Parks & Rec	Sunset Memorial Gardens - Admin Bdg.	2,475 SF	2006	\$16,949	\$577,418	0.03		
Risk	Trash Transfer Station - Office / Storage Bldg.	12,625 SF	1971	\$36,895	\$1,505,000	0.03		
Parks & Rec	Bass Park - Rec. Center	2,442 SF	1991	\$24,822	\$594,100	0.04		
Public Works	Central Maintenance Rear Building	6,300 SF	1968	\$16,676	\$419,000	0.04		
Fort Lauderdale Executive Airport	Executive Airport - Elect. Vault	791 SF	1984	\$5,976	\$159,500	0.04		
Fire Department	Fire Station / Administration / No. 2	30,900 SF	2002	\$305,000	\$7,023,100	0.04		
Public Works	G. T. L - Administration Bldg.	7,530 SF	1986	\$53,187	\$1,525,600	0.04		
Public Works	G. T. L - Lox Plant	2,200 SF	1986	\$12,763	\$352,660	0.04		
Parks & Rec	Osswald Park Rec. Center	6,000 SF	1991	\$30,650	\$765,600	0.04		
Parks & Rec	Parks Comp., Bldg. 5, 7, Radio & Facility Mgr	1,961 SF	1964	\$10,743	\$243,900	0.04		
Total Good (FCI Between .01 and .05)		2,378,236 SF		\$1,644,620	\$197,643,074			
Parks & Rec	Floyd Hull Stadium Sky Box	2,010 SF	1990	\$17,416	\$349,950	0.05		4%
Information Technology/Records	Records Center - Print Shop	2,735 SF	1948	\$14,660	\$282,200	0.05		
Parks & Rec	George English Park - Storage/Electrical Rm	1,020 SF	2005	\$9,255	\$163,506	0.06		
Parks & Rec	Cooley/S Landing Restroom	612 SF	1992	\$5,734	\$77,300	0.07		
Parks & Rec	Mills Pond Park - Recreation Office	4,318 SF	1987	\$41,050	\$604,600	0.07		
Parks & Rec	Osswald Old Library	6,000 SF	1991	\$48,658	\$666,100	0.07		
Parks & Rec	Parks Comp., Bldg. 1, Parks Maintenance	2,842 SF	1964	\$21,809	\$327,300	0.07		
Public Works	Parks Comp., Bldg. 6, Vehicle Write Up	500 SF	1988	\$4,179	\$59,400	0.07		
Parks & Rec	Carter Park - Social Center	4,323 SF	1968	\$20,720	\$277,050	0.08		
Parks & Rec	Holiday Park - Activity Center	22,496 SF	1950	\$151,737	\$1,990,500	0.08		
Public Works	Fiveash Wtp - Fp&L Substation	1,372 SF	1970	\$17,522	\$228,100	0.08		
Public Works	Public Works Admin Bldg.	24,588 SF	1985	\$349,014	\$4,499,604	0.08		
Parks & Rec	Beach Restroom	1,290 SF	2002	\$18,267	\$195,000	0.09		
Parks & Rec	Floyd Hull Morton Act. Ctr & Concession	6,350 SF	1986	\$94,140	\$1,045,600	0.09		
Transportation & Mobility	City Park Mall - Shops	25,500 SF	1985	\$232,754	\$2,728,500	0.09		
Total Fair (FCI Between .05 and .10)		105,956 SF		\$1,046,915	\$13,494,710			
Parks & Rec	Carter Park - Pool Offices (3)	423 SF	1997	\$10,224	\$98,686	0.10	14%	
Parks & Rec	Cooley/S Landing Admin. / Bath House	1,900 SF	1992	\$25,712	\$258,100	0.10		
Parks & Rec	Floranada Park - Restrooms	1,300 SF	1962	\$5,319	\$53,300	0.10		
Parks & Rec	Floyd Hull Electrical Bldg	423 SF	1968	\$7,029	\$67,807	0.10		
Parks & Rec	Holiday Park - Tennis Center	2,200 SF	1997	\$58,463	\$560,700	0.10		
Public Works	Fiveash Wtp - Fuel Station	2,100 SF	1984	\$41,679	\$438,480	0.10		
Parks & Rec	Bass Park - Pool House	1,684 SF	1975	\$22,436	\$192,400	0.12		
Parks & Rec	Esplanade Restroom	2,145 SF	1991	\$36,410	\$270,900	0.13		
Parks & Rec	Carter Park - Gym	13,139 SF	1968	\$244,553	\$1,746,800	0.14		
Parks & Rec	Carter Park -Aquatic Complex/Maint Build.	8,000 SF	2004	\$43,053	\$283,000	0.15		
Parks & Rec	Parks Comp., Parks & Rec. Admin.	6,242 SF	1964	\$128,674	\$871,400	0.15		
Parks & Rec	Holiday Park - War Memorial Auditorium	39,954 SF	1948	\$921,804	\$5,677,200	0.16		
Public Works	Central Maintenance Shop	13,100 SF	1950	\$124,846	\$786,500	0.16		
Parks & Rec	Carter Park - Recreation Center	2,140 SF	1957	\$48,002	\$284,000	0.17		
Fire Department	Fire Prevention Bureau	4,100 SF	1980	\$106,807	\$588,900	0.18		
Administration	City Hall	83,276 SF	1967	\$2,235,118	\$11,931,200	0.19		
Public Works	Fertilizer Plant - Admin. Bldg.	2,376 SF	1986	\$57,094	\$263,800	0.22		
Public Works	Fertilizer Plant - Maintenance Shop	3,150 SF	1986	\$40,398	\$187,300	0.22		
Parks & Rec	Holiday Park - Press Box	1,194 SF	1998	\$28,285	\$129,600	0.22		
Parks & Rec	Floyd Hull Football And Cheerleader Bldg	1,600 SF	1968	\$21,421	\$91,400	0.23		
Police Department	Police Station	88,607 SF	1958	\$2,890,149	\$12,850,600	0.23		
Parks & Rec	Mizell Center	30,676 SF	1979	\$698,672	\$2,810,000	0.25		
Parks & Rec	Las Olas Marina Comfort Station	3,000 SF	1998	\$78,299	\$287,600	0.27		
Public Works	G. T. L - Sludge Pump Station No.1	2,160 SF	1986	\$141,917	\$474,500	0.30		
Fort Lauderdale Executive Airport	Executive Airport - Maintenance Building "E"	1,656 SF	1976	\$60,408	\$176,900	0.34		
Parks & Rec	Hardy Park - Tennis Center	1,280 SF	1938	\$54,430	\$152,100	0.36		
Fire Department	Fire Station No. 88	3,049 SF	1988	\$119,311	\$283,500	0.42		
Public Works	Hardy Park - Pump House	560 SF	1930	\$15,059	\$31,500	0.48		
Public Works	Fiveash Wtp - Administration Bldg.	75,382 SF	1970	\$675,829	\$240,900	2.81		
Total Poor (FCI Above .10)		396,816 SF		\$8,941,401	\$42,089,073			
		2,881,008 SF		\$11,632,936	\$253,226,857	0.05		

Fire Department Average Weighted Age

Department Code	Asset Name	Size	Chronological Age	Square Foot Age
FIRE	Fire Prevention Bureau	4,100 SF	34	139,400
FIRE	Fire Station / Administration / No. 2	30,900 SF	12	370,800
FIRE	Fire Station No. 13	6,100 SF	42	256,200
FIRE	Fire Station No. 29	10,291 SF	4	41,164
FIRE	Fire Station No. 3	8,742 SF	4	34,968
FIRE	Fire Station No. 35	12,207 SF	2	24,414
FIRE	Fire Station No. 46	10,817 SF	1	10,817
FIRE	Fire Station No. 47	15,391 SF	6	92,346
FIRE	Fire Station No. 49	12,170 SF	4	48,680
FIRE	Fire Station No. 53	27,310 SF	6	163,860
FIRE	Fire Station No. 88	3,049 SF	26	79,274
Total		141,077		1,261,923
Average Weighted Age			8.9	

Executive Airport Average Weighted Age

Department Code	Asset Name	Size	Chronological Age	Square Foot Age
FXE	Executive Airport - Administration Building	10,000 SF	12	120,000
FXE	Executive Airport - Elect. Vault	791 SF	30	23,730
FXE	Executive Airport - Maintenance Building "E"	1,656 SF	38	62,928
FXE	Executive Airport - New Maintenance	7,745 SF	3	23,235
Total		20,192		229,893
Average Weighted Age			11.39	

Police Department Average Weighted Age

Department Code	Asset Name	Size	Chronological Age	Square Foot Age
POLICE	Police Harbor Patrol & Bathrooms	1,478 SF	40	59,120
POLICE	Police Horse Barn - Holiday Park	6,010 SF	21	126,210
POLICE	Police Jail	26,979 SF	32	863,328
POLICE	Police Organized Crime	8,458 SF	60	507,480
POLICE	Police Station	88,607 SF	56	4,961,992
Total		131,532		2,052,704
Average Weighted Age			15.6	

Transportation and Mobility Average Weighted Age

Department Code	Asset Name	Size	Chronological Age	Square Foot Age
T&M	Arts & Science Parking Garage	295,920 SF	24	7,102,080
T&M	City Hall Garage	456,192 SF	47	21,441,024
T&M	City Park Mall - Garage	1,000,000 SF	29	29,000,000
T&M	City Park Mall - Shops	25,500 SF	29	739,500
T&M	Parking Administration Bldg.	14,449 SF	54	780,246
Total		1,792,061		59,062,850
Average Weighted Age			33.0	

Public Works Average Weighted Age

Department Code	Asset Name	Size	Chronological Age	Square Foot Age
PW	Central Maintenance Rear Building	6,300 SF	46	289,800
PW	Central Maintenance Shop	13,100 SF	64	838,400
PW	Dixie Wellfield Generator Building	1,280 SF	7	8,960
PW	Executive Airport - Repump Station "E"	2,000 SF	7	14,000
PW	Fertilizer Plant - Admin. Bldg.	2,376 SF	28	66,528
PW	Fertilizer Plant - Maintenance Shop	3,150 SF	28	88,200
PW	Fiveash WTP - Administration Bldg.	75,382 SF	44	3,316,808
PW	Fiveash WTP - Ammonia Bldg	2,500 SF	8	20,000
PW	Fiveash WTP - Fp&L Substation	1,372 SF	44	60,368
PW	Fiveash WTP - Fuel Station	2,100 SF	30	63,000
PW	Fiveash WTP - Maintenance Shop	2,463 SF	57	140,391
PW	Fiveash WTP - Microwave Bldg.	504 SF	44	22,176
PW	G. T. L - Administration Bldg.	7,530 SF	28	210,840
PW	G. T. L - Dewatering Bldg.	21,150 SF	28	592,200
PW	G. T. L - Effluent Bldg.	25,225 SF	28	706,300
PW	G. T. L - Generator Bldg.	1,125 SF	28	31,500
PW	G. T. L - Lox Plant	2,200 SF	28	61,600
PW	G. T. L - Mechanical Shop	720 SF	28	20,160
PW	G. T. L - Pretreatment Bldg.	39,000 SF	34	1,326,000
PW	G. T. L - Sludge Pump House #2	1,600 SF	28	44,800
PW	G. T. L - Sludge Pump Station No.1	2,160 SF	28	60,480
PW	G. T. L - Sludge Pump Station No.3	10,520 SF	28	294,560
PW	Hardy Park - Pump House	560 SF	84	47,040
PW	Las Olas Repump Station D-37 House	1,800 SF	64	115,200
PW	Parks Comp., Bldg. 6, Vehicle Write Up	500 SF	26	13,000
PW	Parks Comp., Elec. Dist.	886 SF	50	44,300
PW	Parks Comp., Fuel	15,768 SF	18	283,824
PW	Parks Comp., Garage, Fleet, Fire Logistic	35,944 SF	50	1,797,200
PW	Parks Comp., Vehicle Wash	1,000 SF	18	18,000
PW	Peele Dixie MTP Admn / Membrane Bldg	27,173 SF	7	190,211
PW	Peele Dixie MTP Chemical Bldg	5,079 SF	7	35,553
PW	Peele Dixie MTP Generator Bldg	1,608 SF	7	11,256
PW	Peele Dixie WTP - Fpl Switchgear House	859 SF	29	24,911
PW	Peele Dixie WTP - Lime House	6,840 SF	57	389,880
PW	Poinciana Park Pump House	2,405 SF	7	16,835
PW	Prospect Wellfield Generator Building East	2,080 SF	46	95,680
PW	Prospect Wellfield Generator Building West	852 SF	57	48,564
PW	Public Works Admin Bldg.	24,588 SF	29	713,052
Total		351,699		12,121,577
Average Weighted Age			34.5	

Parks and Recreation Average Weighted Age

Department Code	Asset Name	Size	Chronological Age	Square Foot Age
PR	Bass Park - Pool House	1,684 SF	39	65,676
PR	Bass Park - Rec. Center	2,442 SF	23	56,166
PR	Bayview Park - Concession Bldg.	1,600 SF	8	12,800
PR	Beach Community Center	12,573 SF	13	163,449
PR	Beach Maintenance Building	8,244 SF	27	222,588
PR	Beach Restroom	1,290 SF	12	15,480
PR	Carter Park - Annex/Library	1,818 SF	28	50,904
PR	Carter Park - Concession / Pressbox	2,800 SF	9	25,200
PR	Carter Park - Gym	13,139 SF	46	604,394
PR	Carter Park - Pool Offices (3)	423 SF	UNK	
PR	Carter Park - Recreation Center	2,140 SF	57	121,980
PR	Carter Park - Social Center	4,323 SF	46	198,858
PR	Carter Park - Aquatic Complex/Maint Build.	8,000 SF	10	80,000
PR	Coast Guard Auxiliary	2,400 SF	47	112,800
PR	Cooley'S Landing Admin. / Bath House	1,900 SF	22	41,800
PR	Cooley'S Landing Restroom	612 SF	22	13,464
PR	Croissant Park - Community Center	5,354 SF	13	69,602
PR	Esplanade Restroom	2,145 SF	23	49,335
PR	Floranada Park - Restrooms	1,300 SF	52	67,600
PR	Floyd Hull Electrical Bldg	423 SF	46	19,458
PR	Floyd Hull Football And Cheerleader Bldg	1,600 SF	46	73,600
PR	Floyd Hull Madera Tyrell Bldg	1,273 SF	17	21,641
PR	Floyd Hull Morton Act. Ctr & Concession	6,350 SF	28	177,800
PR	Floyd Hull Press/Concess/Restrm East	1,983 SF	3	5,949
PR	Floyd Hull Restrm/Concession West	1,983 SF	3	5,949
PR	Floyd Hull Stadium Sky Box	2,010 SF	24	48,240
PR	George English Park - Rec Ctr/Rstrm/Pro Shop	3,149 SF	8	25,192
PR	George English Park - Storage/Electrical Rm	1,020 SF	9	9,180
PR	Hardy Park - Tennis Center	1,280 SF	76	97,280
PR	Holiday Park - Activity Center	22,496 SF	64	1,439,744
PR	Holiday Park - Concession Phase 1	2,940 SF	16	47,040
PR	Holiday Park - Concession Phase 2	2,210 SF	14	30,940
PR	Holiday Park - Gym & Ranger Station	14,500 SF	50	725,000
PR	Holiday Park - Press Box	1,194 SF	16	19,104
PR	Holiday Park - Social Center	8,299 SF	49	406,651
PR	Holiday Park - Tennis Center	2,200 SF	17	37,400
PR	Holiday Park - War Memorial Auditorium	39,954 SF	66	2,636,964
PR	Hortt Community Center	1,989 SF	2	3,978
PR	Las Olas Marina Comfort Station	3,000 SF	16	48,000
PR	Lauderdale Manors Park - Pool Bldg.	955 SF	13	12,415
PR	Lauderdale Manors Park - Rec. Center	4,399 SF	13	57,187
PR	Mills Pond Park - Recreation Office	4,318 SF	27	116,586
PR	Mills Pond Park - Restroom/Concession	1,280 SF	14	17,920
PR	Mizell Center	30,676 SF	35	1,073,660
PR	Osswald Old Library	6,000 SF	23	138,000
PR	Osswald Park Rec. Center	6,000 SF	23	138,000
PR	Osswald Restroom (East)	750 SF	23	17,250
PR	Osswald Restroom (West)	750 SF	23	17,250
PR	Palm Aire Village Park - Restrooms	1,080 SF	12	12,960
PR	Parks Comp., Bldg. 1, Parks Maintenance	2,842 SF	50	142,100
PR	Parks Comp., Bldg. 2, Parks Office	3,231 SF	50	161,550
PR	Parks Comp., Bldg. 3, 4A, 4B, Gen. Services	14,400 SF	50	720,000
PR	Parks Comp., Bldg. 5, 7, Radio & Facility Mgr	1,961 SF	50	98,050
PR	Parks Comp., Parks & Rec. Admin.	6,242 SF	50	312,100
PR	Riverland Park Activity Center	3,380 SF	10	33,800
PR	Riverside Park - Activity Center	2,047 SF	11	22,517
PR	Snyder Park - Caldwell Pavilion / Restrooms	4,898 SF	25	122,450
PR	Snyder Park - Office/Administration Bldg.	2,464 SF	41	101,024
PR	Snyder Park - Southlake Family Restroom	100 SF	42	4,200
PR	Snyder Park - Train Station	1,173 SF	56	65,688
PR	Sunset Memorial Gardens - Admin Bdg.	2,475 SF	8	19,800
PR	Warfield Park - Recreation Center	3,750 SF	14	52,500
Total		298,788		11,308,213
Average Weighted Age			37.8	



NET ZERO PLAN

for the City of Fort Lauderdale

RFP # Event 95

July 25, 2023



SUBMITTED BY

EXP U.S. Services Inc.
6750 North Andrews Avenue, Suite 200 | Fort Lauderdale, FL 33309 | USA
t: +1.305.631.2208 | exp.com

We are very excited about the opportunity to partner with the City of Fort Lauderdale on their net zero journey. On your email dated July 18, you requested that we provide a brief description of three similar projects together with links to their reports which were completed by EXP.

Some of our experience is with private clients and as such, we need permission from them to be able to share; and some prefer the reports are not shared. Respecting that, we chose the following three reports which were readily available and showcase different aspects of EXP experience:

- **NASA Vision 2032** - It is a sustainable action plan for a governmental agency with numerous stakeholders. The plan was designed to be easily understood by the community and is showcased in their website.
- **EXP ESG Report 2023** - The report shows EXP's sustainability plan including our goals and the actions we are taking to track and meet those goals. The report is a testament of EXP's commitment to sustainability as a firm.
- **Net Zero Feasibility Study** - Report lays out a net zero strategy for the project and presents IESVE energy models to show current and proposed energy usage.

In addition, we wanted to use the opportunity to highlight some of our Team's sustainability planning and community-scale planning. We have selected a great team to be dedicated to the City of Fort Lauderdale with direct local sustainability experience as can be evidenced by the list of Team's Experience Projects.

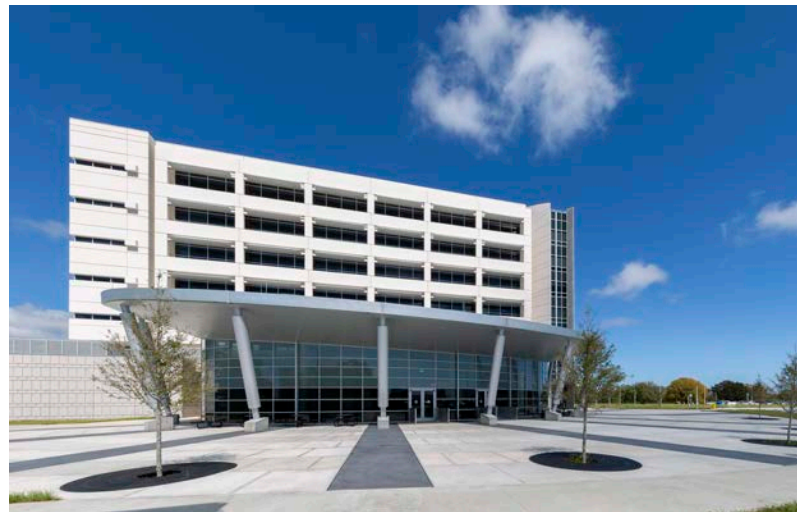
SUSTAINABLE MASTER PLAN/NET ZERO PLAN SAMPLE REPORTS

SAMPLE PROJECT I

NASA VISION 2032

The EXP was part of the multi-disciplinary team that worked on the Sustainable Master Plan called NASA Vision 2032. The plan focused on reducing the carbon footprint while still allowing for future growth and development of the Kennedy Space Center Central Campus. It includes plans for facility reuse, repurposing or consolidation, proposed improvements to water and electrical utility services and improvements and strategies to align energy goals with future code requirements and energy standards. The master plan is showcased on NASA's website. The plan was created in an interactive website format to make it easier for the community to get a general overview, or use the dropdown menus to see more detail.

[Kennedy Space Center Master Plan](#)



SAMPLE PROJECT II

EXP ESG REPORT 2023 - SUSTAINABILITY PLAN

Sustainability is a key part of EXP's core values. At EXP, we believe in sharing our progress toward reaching sustainable development goals transparently. The ESG Report focuses on EXP's sustainability goals, what we have accomplished, where we can improve and where we hope to be in the future. The report also provides insight into our recent work and how it aligns with our global sustainability goals. As a United Nations (UN) Global Compact signatory, we are committed to corporate responsibility at all levels and ensuring our business practices align with our goal of making positive environmental, social and economic impacts on the world.

[EXP ESG Report FY2023](#)





SAMPLE PROJECT III

NET ZERO FEASIBILITY STUDY FOR THE TOWN OF HALTON HILLS

EXP worked with ATA Architect Inc. to conduct a Net Zero Feasibility study for the retrofit of a one story fire station. The main goal was to achieve net-zero carbon and energy by offsetting usage through installation of solar photovoltaics. Energy models were generated on IESVE to show the current energy use and proposed changes to reduce energy consumption and GHG to meet the clients Net Zero target. The baseline was modeled to meet the requirements set by ASHRAE 14 in addition to calibration based on review of existing utility.

[Net Zero Carbon Building Feasibility Study](#)

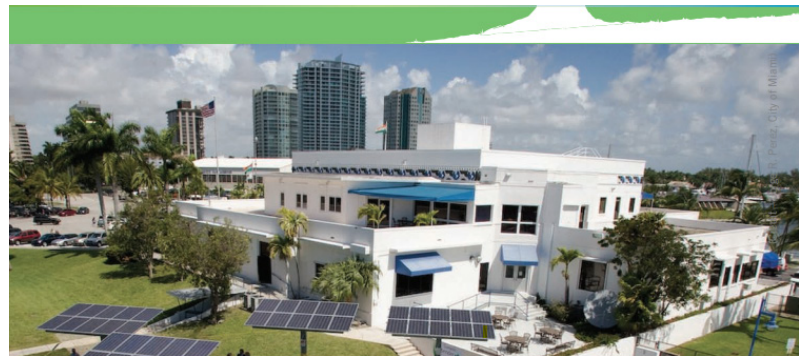
TEAM EXPERIENCE IN SUSTAINABILITY/CLIMATE ACTION PLANS AND COMMUNITY-SCALE PLANNING PROJECTS

TEAM PROJECT I

CITY OF MIAMI CLIMATE ACTION PLAN – MI PLAN

Ajani played a key role in the implementation of the City of Miami’s first Climate Action Plan – MiPlan. Launched in 2008, MiPlan outlined Miami’s strategy for achieving citywide reductions in greenhouse gas emissions by addressing five critical areas of sustainability; buildings, energy sources, transportation, land use, and adaptation. As a key member of the City’s then Office of Sustainable Initiatives, Ajani worked closely with Glen Hadwen, Miami’s Sustainability Manager at the time, on several projects, initiatives, outreach programs and policy changes to support the Plan’s goals and targets.

[City of Miami Climate Action Plan](#)



City of Miami Climate Action Plan

TEAM PROJECT II

MIAMI-DADE GREEN PRINT CLIMATE ACTION PLAN

The Green Print is Miami Dade County’s roadmap to achieve their sustainable goals . It was released in 2010, and it is Miami-Dade County’s first Climate Action Plan. As a key member of the County’s then Office of Sustainability, Ajani worked on implementing several of the plan 137 initiatives that contributed to meeting the County’s goal of reducing GHG emissions to 80% of 2008 levels by 2050.

[Miami-Dade County Green Print](#)



TEAM PROJECT III

CORAL GABLES SUSTAINABILITY PLAN

Coral Gables Sustainability Plan identifies projects the City can implement to decrease energy, water, and fuel consumption while increasing sustainability education/awareness, waste diversion (recycling) and alternative modes of transportation. As Assistant City Manager, Carmen Olazabal created interdepartmental working teams and worked with them in workshops to define the City's green goals, strategies, and performance indicators to track the City's progress and integrate sustainability into all levels of decision making. The plan set goals to reduce energy and water consumption, fuel usage and overall greenhouse gas emissions by 2025.

[Coral Gables Sustainability Master Plan](#)



TEAM PROJECT IV

INDIANAPOLIS SUSTAINABILITY AND RESILIENCE ACTION PLAN, "THRIVE INDIANAPOLIS"

Thrive Indianapolis is the first actionable plan of its kind in the city's history and brings together agencies, community partners and residents to charge a course for an Indianapolis that is equitable, healthier and prepared for the challenges of the 21st century. The plan is the road map to reduce greenhouse gas emissions and to endure all of Indianapolis is prepare for and resilient to expected changes. Ajani was a key planning member of the lead consultant Arcadis team, that spearheaded all project activities and the development of the document.

[Thrive Indianapolis](#)



TEAM PROJECT V

DORAL SUSTAINABILITY INTEGRATION PLAN

For more than two years, EXP has assessed the existing conditions, policies, and plans as well as identified improvement opportunities for the City of Doral, leading to the initiation of their Sustainability Integration Plan (SIP). Nicole Barnett, Ajani Stewart, Haleh Moghadassi, and Carmen Olazabal will integrate Doral's previous green plans and policies into a comprehensive strategy, serving as a sustainability roadmap for the City. The plan will establish objectives with measurable metrics and a prioritization framework so that interim targets can be made on time.





TEAM PROJECT VI

PALM BAY SUSTAINABILITY ACTION PLAN

EXP The City of Palm Bay Sustainability Action Plan consists of recommendations to operational alternatives within five different areas of concern: Natural Environment (Land & Water Systems), Built Environment (Energy & Buildings), Transportation & Mobility, Innovative Waste Management, and Education & Public Engagement. Nicole Barnett, in coordination with the Palm Bay Sustainability Advisory Board, developed this plan and acquired City Council approval for implementation.

[City of Palm Bay Sustainability Action Plan](#)

TEAM PROJECT VII

MIAMI DADE COUNTY SEA LEVEL RISE STRATEGY

The Miami-Dade County Sea Level Rise Strategy outlines the County's plans to gracefully and strategically live with two feet of additional sea level rise by 2060. Ajani served as Project Manager and led a consultant team of Arcadis, WSP, & HR&A Advisors to develop the Strategy, and oversaw all tasks including data gap analyses, extensive multi-sector engagement and outreach, risk analyses, scenario and adaptation planning, and implementation & funding roadmap development. Since launching in 2021, the Strategy has directly resulted in Miami-Dade receiving over \$120M in additional federal and state grant funding for infrastructure and planning projects.

[Miami-Dade County Sea Level Rise Strategy](#)



TEAM PROJECT VIII

BICYCLE MASTER PLAN

In an effort to encourage sustainable multi-modal transportation, the City of Coral Gables performed a study to create safe and protected bike and pedestrian transportation network. As Assistant City Manager, Carmen Olazabal together with consultant group led the development of this document.

After the plan, Miami-Dade County identified the City as an emerging leader for creating and promoting safe-cycling initiatives in South Florida. Implementation of the plan will result in trip reduction and therefore reduced GHG emission reduction and improved air quality.

[Coral Gables Bicycle / Pedestrian Plan](#)



TEAM PROJECT IX

TREE SUCCESSION PLAN

In an effort to ensure the longevity of the urban forest in the community, the City embarked on the Tree Succession and Initiation Plan. As Assistant City Manager, Carmen Olazabal spearheaded this project and worked closely with Curtis and Rogers to develop the plan and outreach to the community. The plan evaluated existing trees, created an inventory, comprehensively replaced dead, sick and missing trees throughout the City and outlined future tree monitoring and maintenance plan. The implementation resulted in an improved urban environment.

[City of Coral Gables Neighborhood Tree Succession and Initiation Plan](#)





exp.



EXP U.S. Services Inc.

6750 North Andrews, Suite 200 | Fort Lauderdale, FL 33309 | USA

t: +1. 305.631.2208

exp • com



CITY OF FORT LAUDERDALE

PRESENTATION

NET ZERO PLAN

JULY 28, 2023





CITY OF FORT LAUDERDALE



CARMEN

TOGETHER

we can accelerate your efforts to **NET-ZERO**

Let's **EX**Plore the possibilities!



City of Fort Lauderdale



CARMEN



- Congratulations - **LEED for Cities Gold Certification!**
- Fort Lauderdale's commitment to sustainability
 - Sustainability Action Plan- 12 years ago with updates showing progress
 - Commitment to Decarbonization goals in the Comprehensive Plan and Fast Forward 2035
 - Net Zero Greenhouse Gas Emissions goals in support to Race to Zero
- Our team is excited to become your partners in developing a 2040 Net Zero Plan for City Operations and Carbon Neutral Community by 2050



Presentation Team



CARMEN

**CARMEN OLAZABAL**

PE, PMP, LEED AP, ENV SP

Principal in Charge/Quality Assurance
EXP | Miami, FL**AMY PASTOR**

PE, CXA, LEED® AP, ENV SP

Energy Efficiency Lead
EXP | Orlando, FL**MELISSA BARNETT-CHRISTIE**

Garth Solutions

Communications + Client Relations
Garth Solutions Inc. | Davie, FL**AJANI STEWART**

CFM

Project Manager
EXP | Fort Lauderdale, FL

Virtual Attendee

**HALEH MOGHADDASI**

PH.D., ASSOC. AIA, LEED GA

Net Zero Strategic Planning Lead
EXP | Miami, FL**NICOLE BARNETT**

ENV SP, LEED® GREEN ASSOCIATE

Recycling + Waste Management
EXP | Fort Lauderdale, FL**BRANDON DE REUVER**

Garth Solutions

Graphic/Content Designer
Garth Solutions Inc. | Davie, FL



CARMEN

Principal in Charge



CARMEN OLAZABAL
PE, PMP, LEED AP, ENV SP



YEARS OF EXPERIENCE
SUSTAINABILITY+COMMUNITY PLANNING

25+

- 25 years of experience working for municipalities
 - 10 working as public servant in South Florida
- Extensive experience in sustainability planning and community planning efforts
 - Coral Gables Sustainability Action Plan
 - Coral Gables Tree Master Plan
 - Coral Gables Bicycle Master Plan
 - Implementation of Capital Improvement Projects with extensive community engagement
- Experience leading community engagement, listening to feedback and advancing discussions into cohesive and comprehensive strategies.

Project Manager



CARMEN



AJANI STEWART, CFM 

YEARS OF EXPERIENCE

SUSTAINABILITY PROJECT MANAGEMENT

20+

- Broward County resident
- Committed to sustainability
 - 20 years of experience
 - 15 years working in sustainability and resilience in City of Miami, Miami-Dade County, and FDEP
- Worked with current and former Fort Lauderdale staff
- Extensive experience in sustainability planning
 - Implementing first community-wide GHG climate action plans
 - City of Miami-MiPlan
 - Miami-Dade GreenPrint
 - Resilient 305
 - Miami-Dade Countywide Sea Level Rise Strategy (PM)
- Extensive stakeholder engagement and grant experience

Key Team



CARMEN

**AMY PASTOR**PE, CXA, LEED[®] AP, ENV SP

Energy Efficiency Lead
EXP | Orlando, FL

**HALEH MOGHADDASI**

PH.D., ASSOC. AIA, LEED GA



Net Zero Strategic Planning Lead
EXP | Miami, FL

**NICOLE BARNETT**ENV SP, LEED[®] GREEN ASSOCIATE

Recycling + Waste Management
EXP | Fort Lauderdale, FL

**YVONNE GARTH**

Garth Solutions

Communications Manager
Garth Solutions Inc. | Davie, FL

**BRANDON DE REUVER**

Garth Solutions

Graphic/Content Designer
Garth Solutions Inc. | Davie, FL

**MELISSA BARNETT-CHRISTIE**

Garth Solutions

Communications + Client Relations
Garth Solutions Inc. | Davie, FL

Experience



CARMEN

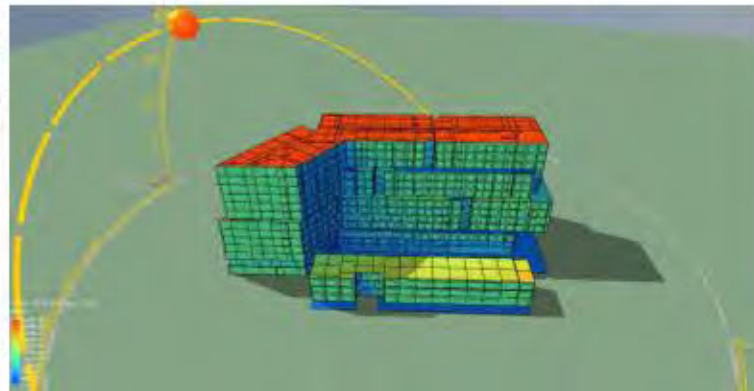
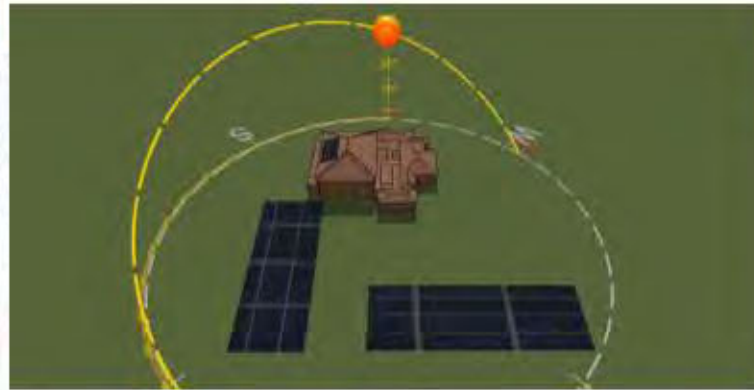
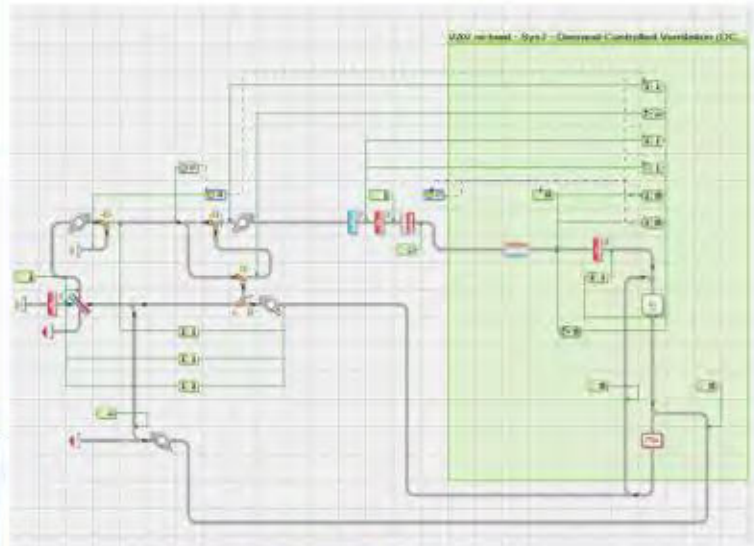
SIMILAR + RELEVANT EXPERIENCE

	SUSTAINABILITY ACTION PLANS	GHG REDUCTIONS	RENEWABLE ENERGY	MODELING + MONITORING	RESOURCE CONSERVATION	SMART BUILDING	SUSTAINABILITY TRANSPORTATION	COMMUNITY ENGAGEMENT	
1 NASA Kennedy Space Center Vision 2032	●	●	●	●	●	●	●	●	1
2 Bahia Beach Resort + Residences- Carbon Neutral Study	●	●	●	●	●		●		2
3 Miami International Airport- Solar Feasibility Study	●	●	●	●				●	3
4 UTC Center for Intelligent Buildings	●	●	●	●	●	●			4
5 Solid Waste Management Strategies for Nunavut	●				●			●	5
6 Faro + Luna Building	●	●	●	●	●				6
7 Rithm at Uptown Tampa	●	●		●	●		●		7
8 General Obligation Bond CIP Strategic Branding and Outreach								●	8
9 Doral Sustainability Integration Plan	●	●	●	●	●		●	●	9
10 Coral Gables Sustainability Plan	●	●	●	●	●		●	●	10
11 Miami Dade Green Print Climate Action Plan	●	●	●	●	●			●	11
12 Palm Bay Sustainability Action Plan	●	●	●	●	●			●	12
13 BPR Facilities: Carbon Neutrality Planning	●	●	●	●	●			●	13
14 Carbon Neutral Island Concept	●	●	●	●			●		14
15 575 Princess Street	●	●	●	●					15
16 Capilano Tower + Sunnyside Manor	●	●	●						16
17 Midwest Carbon Express Project, Carbon Capture Transportation + Sequestration Project	●	●					●	●	17
18 Coral Gables Public Safety Building	●	●		●	●				18
19 L'Avenue- Commercial	●	●		●	●	●	●	●	19
20 University of Central Florida, Energy Audits, Retro-Commissioning, Energy Modeling + LEED	●	●	●	●	●	●	●		20
21 Liberty Property Trust- Energy Management Program	●	●		●	●	●			21
22 Energy Audits and Energy Modelling- Dr. Roddie Community Centre	●	●		●				●	22
23 Valencia College East Campus Chiller Commissioning + Energy Studies	●	●		●					23
24 Marina Bay Sands- Energy Auditing, Commissioning + Energy Modelling	●			●	●				24
25 Long Fellow Lusk Like Science Development	●	●	●	●	●	●		●	25
26 Taubman Centers Inc, Enterprise Energy Management	●	●				●		●	26
27 NoMA Business Improvement District- Sustainable Transportation Project	●						●	●	27
28 Las Olas Beachfront Corridor		●					●	●	28

Technical Approach

Q1a

What is your method of modeling current and future GHG emissions?



IESVE

Modeling Capabilities



Other Modeling Tools

The screenshot shows an Excel spreadsheet with the following content:

SANCTUARIES CARBON SEQUESTRATION	
Use the U.S. Environmental Protection Agency's (EPA) Greenhouse Gas Equivalencies Calculator, one acre of U.S. forests captures the equivalent of 0.84 metric tons CO ₂ /year.	
Forest Area (Acres)	44,000
CO ₂ Sequestered (Metric Tons)	36,960
CO ₂ Sequestered (Metric Tons)	36,960
CO ₂ Sequestered (Metric Tons)	36,960

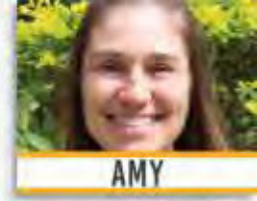
Below the spreadsheet are two satellite images showing a landscape with a yellow outline indicating a specific area of interest.

CAM #23-0792

Exhibit 5

Page 184 of 199

Technical Approach



Q1b

Will a GHG dashboard be created for use by the City to effectively manage GHG emissions going forward?
 • technology • layout • method

- EXP will create a full customizable dashboard
- Power BI platform to facilitate data visualization
- Maintained by EXP or by coordination with City's IT Department



Technical Approach

Q2

How does your firm recommend addressing scope 3 emissions within the current scope of work for city operations and local community?



- Determine relevant and measurable Scope 3 emissions
- Outline plan to collect data for selected Scope 3
 - Employee Commuter Surveys
 - Business-related travel
 - Supply Chain
 - Vendors reporting to 3rd party platform (CDP, EcoVadis)
- Goal – **accurate** measure and report of scope 3 emissions

Community Engagement

Q3

How does your firm plan to effectively engage the local community in the creation and implementation of the net-zero plan?



- Alignment with City plans and vision
- Program-level identity
- Audience-specific implementation
- Targeted messaging and distribution
- Print and digital design templates
- Stakeholder database
- Engagement tactics
- Meeting and event frameworks
- Templates and tools

Unified City Branding

Q3a

Please provide details on the strategies, activities, and channels you will utilize to foster open dialogue, gather feedback, and collaborate with community members.



MELISSA

PRESS PLAY FORT LAUDERDALE
FOR THE 20th BIRTHDAY (2011-2012)

WE ARE CONNECTED.
We are a community that works together to build a better future for all.

WE ARE READY.
We are a resilient and safe coastal community.

FAST FORWARD FORT LAUDERDALE
Get City. Get Home. 2020

WE ARE COMMUNITY.
We are a neighborhood of neighborhoods.

WE ARE HERE.
We are an urban center and a vacationland in the heart of South Florida.

ADVANCE FORT LAUDERDALE

WE ARE UNITED.

Pre-existing City Initiatives



Net Zero Brand Elements

UNIFIED VISUALS

- Logo 1: Blue circle with a white bird and a white arrow pointing right.
- Logo 2: Green circle with a white bird and a white arrow pointing right.
- Logo 3: Red circle with a white bird and a white arrow pointing right.

PARALLEL THEMES

- QUALITY OF LIFE
- SUSTAINABILITY
- TEAMWORK
- COMMUNITY
- OPPORTUNITY
- DIVERSITY



Researching Best Practices

Q3a

Please provide details on the strategies, activities, and channels you will utilize to foster open dialogue, gather feedback, and collaborate with community members.



MELISSA



Targeted Implementation

Q3a

Please provide details on the strategies, activities, and channels you will utilize to foster open dialogue, gather feedback, and collaborate with community members.



MELISSA



- Public agencies
- Associations
- NGOs
- Private sector
- Schools
- Institutions
- Press/media
- Transportation
- Public utilities
- At-risk populations
- Religious groups
- Communities



Did you know? 69% of workers noted a company's environmental record is a factor in their decision to take a job.



Together, we're shaping a greener tomorrow 🌿 📖
#NetZeroClassroom #SustainableSchools



Sustainability: the next frontier in scientific innovation 🚀 🌱
#NetZeroScience

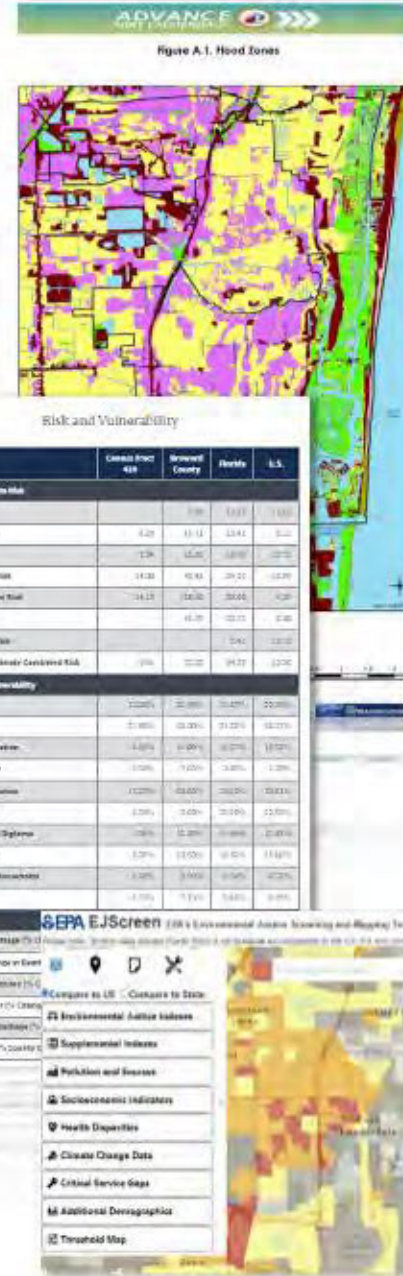
Inclusive Representation



MELISSA

Q3b

Explain how you will ensure inclusivity and representation of diverse stakeholders, and how their input will be incorporated into decision-making processes to create a shared vision and maximize positive impact within the community.



- Demographic Tools and Resources
- Database of key organizations and individuals
- Tracking engagement with identified groups
- Partnerships with influential community leaders
- Educating and empowering affected populations
- Variety of methods for collecting feedback
- Surveys and polls
- Multilingual communication
- ADA compliance

Public Involvement

Q3b

Explain how you will ensure inclusivity and representation of diverse stakeholders, and how their input will be incorporated into decision-making processes to create a shared vision and maximize positive impact within the community.



MELISSA

EDUCATE

INFORM

UPDATE

INVOLVE



Proactive Outreach

- Social Media Content
- Bus Stop Signage
- SMS Campaigns
- Email Newsletters
- Traditional Mail
- Video Presentations
- Virtual Tours
- Broadcast Media



Inclusive Engagement

- Meetings & Workshops
- Strategic Partnerships
- Inbound Channels
- Surveys & Polls
- Virtual Events
- Presentations
- Booths at Partner Events
- Focus Groups

Project Representation

Q3c

Who on the team would present and conduct public workshops?



MELISSA BARNETT-CHRISTIE

Garth Solutions

- Experience coordinating with
 - City departments
 - Agencies
 - Staff
 - Decision-makers
 - Local leadership

- Comprehensive capabilities
 - Team meetings
 - Virtual engagement
 - Internal newsletters
 - Staff workshops
 - Recurring updates
 - Milestone reporting
 - Ambassador toolkits
 - Content calendars

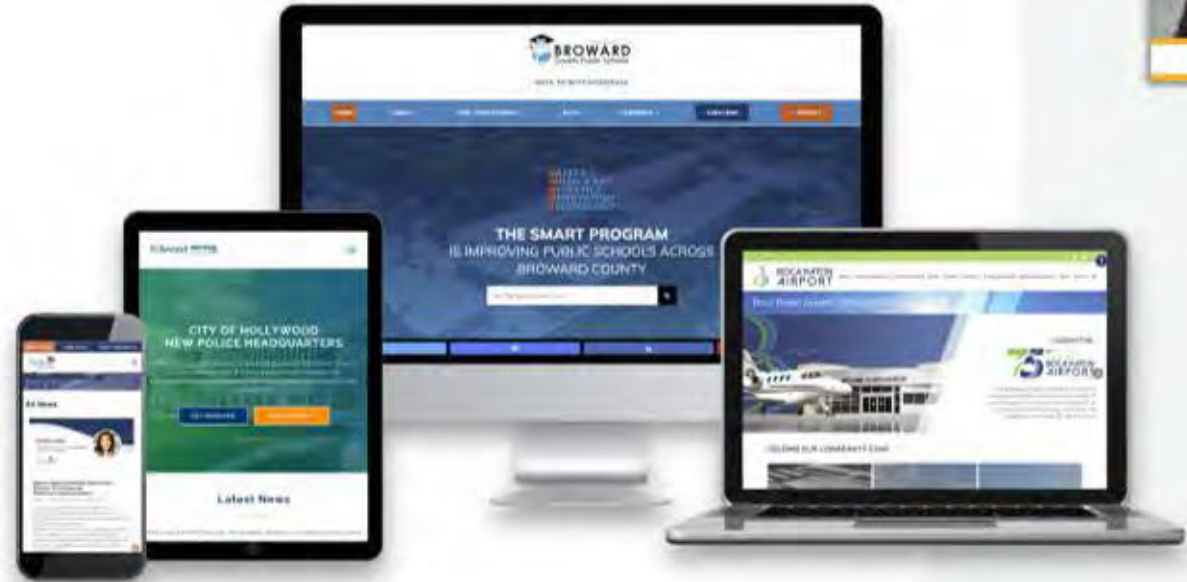


MELISSA

Website Maintenance

Q4

Who will maintain and update the website?

**MELISSA**

- EXP will **create, maintain and update** the project website for the duration of our contract with the City
- Created in coordination with City's IT Department
 - Ensure seamless integration
 - Ease maintenance after project completion

Project Timeline

Q5

Do you recommend the City increase its project timeline to allow effective community engagement and a comprehensive Net Zero Plan?



Scalability of role and resource availability

Comprehensive framework for cost-effective implementation

City and PIO consultation to discuss options



Project Timeline

Q5

Do you recommend the City increase its project timeline to allow effective community engagement and a comprehensive Net Zero Plan?



MELISSA



Framework

Q6

Describe how your firm will develop and implement a framework for prioritization of actions to reduce greenhouse gas emissions.



- Work with City to develop/implement framework
- Use stakeholders' priorities/preferences input
- Actions evaluated based on criteria, goals, and development of metrics
- Work with City on factors such as
 - Community support and buy-in
 - Equity and environmental justice concerns
 - Support strategic goals and priorities
 - Cost and feasibility
 - Criticality
 - Alignment with funding sources
 - Partnership involvement
 - Amount of GHGs reduced/energy saved
 - Maximizing multiple benefits including risk reduction and resiliency



CARMEN

EXP'S ROADMAP TO NET ZERO



CAM #23-0792

Exhibit 5

Page 197 of 199

Budget

Q7

Provide a breakdown of all costs by task



CARMEN

JOB TITLES	1	2	3	4	5	6	RATES	1	2	3	4	5	6	RATE x HOURS
1 Principal in Charge/Quality Assurance							\$280.00							
2 Project Manager							\$252.30							
3 Net Zero Strategic Plan Lead							\$159.50							
4 Community Engagement Team							\$159.50							
5 Modeling Team							\$174.00							
6 Technical Leads							\$174.00							
1. TASK 1 – PROJECT MANAGEMENT SUBTOTAL														\$19,997.00
Organize, Lead and Document Project Meetings	2	10												\$3,083.00
Develop plan and timeline with key milestones and deliverables	3	20				6								\$6,930.00
Develop and Maintain project management web portal	5	10	38											\$9,984.00
2. TASK 2 - EXISTING CONDITIONS REVIEW & EMISSIONS MODELLING SUBTOTAL														\$26,857.50
Review of Existing Documentation		4	20		10	2								\$6,287.20
Perform Gap Analysis	2	4	20		10	2								\$6,847.20
SWOT Analysis	2	5	10		5	2								\$4,634.50
GHG modeling including anticipated growth and economic expansion		2	8		40	2								\$9,088.60
3. TASK 3 – BRANDING SUBTOTAL														\$4,785.00
Interviews with Key Stakeholders					2									\$319.00
Studying of existing brands					8									\$1,276.00
Developing a brand strategy					20									\$3,190.00
4. TASK 4 – MEETINGS AND STAKEHOLDER INPUT SUBTOTAL														\$48,986.60
Kick-off Meeting	4	4	4	4	4	4								\$4,797.20
Monthly Meetings	2	8	8	8		6								\$6,174.40
Stakeholder Meetings		24	24	24										\$13,711.20
Community Workshop	4	4	4	60										\$12,337.20
Final Workshop	4	4	4	30										\$7,552.20
Final Presentation	2	4		4										\$2,207.20
Final Resolution Presentation	2	4		4										\$2,207.20
5. TASK 5 – PREPARE DRAFT NET ZERO PLAN SUBTOTAL														\$37,406.00
Propose GHG reduction strategies, renewal energy sources, vehicle mile reduction strategies, and initiatives to increase the adoption of electric and alternate fuel vehicles					40									\$6,960.00
Develop Prioritization framework and metrics in close collaboration with the City	4	20	20		6									\$10,400.00
Prepare Draft Net Zero Plan Document	8	20	80											\$20,046.00
6. TASK 6 – PREPARE FINAL NET ZERO PLAN SUBTOTAL														\$11,898.00
Incorporate feedback received as appropriate			30											\$4,785.00
Draft final Net Zero plan	5	10	20											\$7,113.00

TOTAL ROADMAP TO NET ZERO PLAN PROJECT COST



CARMEN



Let's EXPlore the possibilities!

WHY EXP TEAM

- ✓ **LOCAL** our team is local and understands local government
- ✓ **KNOWLEDGABLE** in understanding of project approach + scope of work
- ✓ **SPECIALIZED** in technical capabilities for monitoring GHG + energy performance + transportation sectors
- ✓ **EXPERIENCED** with strategic sustainable planning projects of similar scope
- ✓ **EXPERTS** in branding + facilitating effective community outreach