

2020 Broward Leaders Resilience Roundtable — Report

Broward County Environmental Planning and
Community Resilience Division

October 2020



2020 Broward Leaders Resilience Roundtable Summary Report

Broward County Commissioners Beam Furr and Nan H. Rich, co-chairs of the County's Climate Change Task Force, hosted the 2020 Broward Leaders Resilience Roundtable virtually on Friday, October 2, 2020. Each municipality and tribal community in Broward County was invited to send an elected official, city manager, and resilience contact. One hundred eleven people attended the Roundtable, including:

- 71 representatives of 23 cities and the Seminole Tribe, including 24 elected officials and 12 city managers or assistant city managers.
 - In 2019, 49 representatives from 26 cities and the Seminole Tribe, including 19 elected officials and 11 city managers or assistant city managers, attended the Roundtable.
 - In comparison, 32 municipal representatives from 21 cities, including 14 elected officials, attended the 2018 Roundtable.
- 5 Broward County Commissioners.
- 16 Broward County staff members.
- 8 business community representatives.
- 11 others, including 1 media representative and 6 members of the public.

Top Themes

- Advancements are occurring. Long-term investments in modeling and planning are laying the foundation for rapid progress over the next few years.
- Cities and tribes are ramping up their resilience efforts significantly.
- Collaboration continues among local governments and with business community, on both technical and policy fronts.
- Planning and executing must occur simultaneously.
- The business community stands ready to invest and make the case for government investment, once achievable and actionable goals, strategies and timeframes, and accountability measures are established.
- The Business Case for Resilience study makes clear the critical importance of investments in adaptation and the clear financial return on those investments.
- Communication and advocacy efforts telling the county's resilience story and pursuing state and federal investment must be strengthened.

Detailed Report

Opening Remarks

Broward County Commissioner Nan H. Rich thanked the attendees for their participation in the Roundtable and noted that no one at last year's event would have seen the coronavirus pandemic coming. "This has been a challenging year for everyone," she said, especially for our most disadvantaged residents. In contrast, she pointed out, we can see climate change coming—we've been warned about it for decades, in fact—and now is the time to prepare. As we focus on resilience, Senator Rich emphasized, we must be mindful of the impact of climate change on vulnerable people and look for ways to create opportunities for employment, housing, and better health outcomes for people at the same time. She repeated her call to arms from the 2019 Summit: "I urge all of us here today to always consider how our plans and infrastructure investments affect the residents of Broward County, especially low-income people, and to make sure our resilience efforts don't merely focus on roads and water systems and buildings, but also contribute to a more inclusive, more livable county for all residents."

Broward County Commissioner Beam Furr welcomed participants, pointing out how the pandemic has truly shown everyone how interconnected we are, and highlighted once again the importance of working together as a community. In addition, dramatic examples of climate impacts from across the country, including wildfires, hurricanes, and heat waves, underscore that climate change is a problem right here and right now. As we address the pandemic and recovery from climate disasters with relief legislation and economic stimulus, we need to integrate these issues and advocate at all levels for projects that will not only strengthen our economy, but also better prepare us for climate impacts, create local jobs, support local businesses, and make us more resilient, all at the same time.

Broward County Deputy Administrator Monica Cepero also emphasized the importance of collaboration on resilience, given our undeniable interconnectedness. She reminded attendees that the cities, Seminole Tribe, and Broward County working together set a national example for cooperation, as does the Southeast Florida Regional Climate Change Compact within the region.

Presentations

Following a round of self-introductions shepherded by **Assistant County Administrator Alan Cohen**, the Roundtable emcee, **Dr. Jennifer L. Jurado, Chief Resilience Officer and Deputy Director of the Broward County Environmental Protection and Growth Management Department**, delivered a stage-setting presentation laying out the advancements in resilience over the past year, reviewing the status of initiatives identified as priorities at the 2019 Roundtable, and previewing additional progress taking place in the near future.

Resilience Advancements

- The 2019 Compact Unified Sea Level Rise (SLR) Projection now recommends using 40 inches of sea level rise by 2070 (a 50-year planning horizon) over the 1990 baseline, up from 24 inches by 2060. It was adopted by the County Commission in March 2020 as the basis for County planning efforts and infrastructure projects. The update was also adopted by the other three Compact Counties and many municipalities throughout Broward County and Southeast Florida. The County's recently-adopted and pending resilience standards (see below) will be updated accordingly.
- With this new SLR projection in hand, the County will be updating its Priority Planning Area Map, which identifies areas subject to potential increased risk of flooding from SLR and requires special review of County capital projects and requests for land use changes in those areas. The total impacted area will increase from 6.8 square miles with 24 inches of SLR under the 2015 map to 17.6 square miles with 40 inches of SLR under the proposed 2020 map. The proposed update will be presented to the Broward County Planning Council and County Commission, with approval expected early in 2021.
- Tidal Flood Barrier Standards were adopted by the County Commission in March 2020, requiring construction of seawalls, banks, berms, and other infrastructure to comply with top elevations of 4 feet NAVD88 by 2035 and 5 feet by 2050, which should protect properties from typical high tide flooding and high-frequency storm surge events through 2070. These standards will be required when properties are developed or redeveloped or existing seawalls are breached. Municipal governments in Broward have two years to adopt the standards into their own regulations.
- The Future Conditions 100-Year Flood Map is nearing completion. It includes not only changes expected from sea-level rise, but also increased intensity of rainfall projected under future conditions. Stakeholder and industry roundtables and public workshops will take place in fall 2020. This map will serve not only as the basis for changes to building requirements, but also the foundation for the county-wide resilience plan.

Future Conditions 100-Yr Flood Map



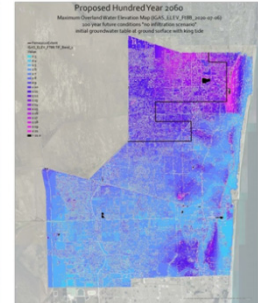
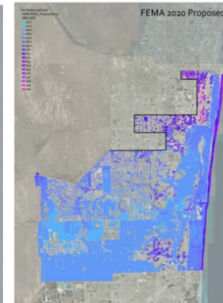
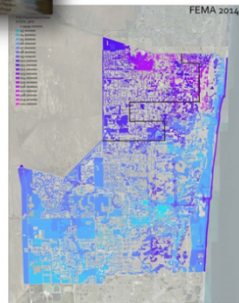
Table 2: Future Rainfall Depth Change Factors with 68% Confidence Intervals

CF Range	Design Storm Event						
	25-year / 1-day ¹	100-year / 1-day ¹	10-year / 3-day ²	25-year / 3-day ²	50-year / 3-day ²	100-year / 3-day ²	500-year / 3-day ²
Low (16%)	0.96	0.99	0.95	0.93	0.92	0.88	0.83
Median (50%)	1.19	1.20	1.09	1.12	1.12	1.13	1.18
High (84%)	1.35	1.46	1.21	1.31	1.37	1.44	1.68

¹ - Derived from DDM ensemble results; ² - Derived from SUPR ensemble results

13% - 20%
Increase in
Rainfall Intensity

- 2060 condition:
- 2 feet SLR
 - High Tide
 - Groundwater
 - 13% Rainfall Increase



The County's Future Conditions 100-Year Flood Map will spur changes to building standards and serve as the foundation for the upcoming county-wide resilience plan.

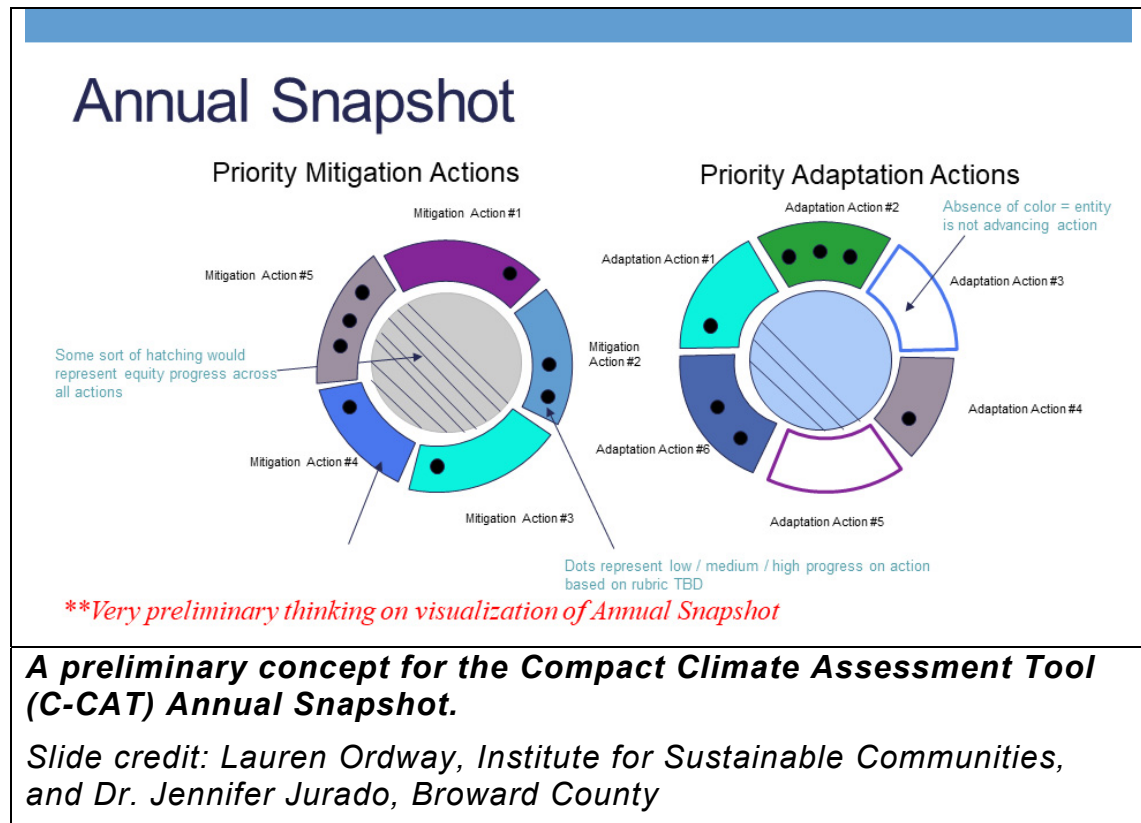
Slide credit: Dr. Jennifer Jurado, Broward County

- The Future Conditions Groundwater Table Map, originally adopted in May 2017, will be updated to account for the higher sea level rise consistent with the 2070 time horizon and the 2019 Compact Unified SLR Projection.
- Broward County and Broward County Public Schools have maintained Environmental Partnership for over 10 years. The last two years have brought an intense focus on sea-level rise as the basis for project-based learning. The County is also providing support with a roll-out of climate and SLR based e-learning modules for students over the next eight months, leading up to the 2021 Youth Climate Summit. The modules make use of powerful tools, technical information, graphics, and maps, making clear the relevance of climate change to many different fields and locations across the county.
- The County has pursued a number of solar and EV investments, including eight solar photovoltaic installations totaling 2.7 megawatts on County facilities, request for a 132-megawatt offset for County electricity consumption through the FPL Solar Together program, rollout of another solar co-op bulk-purchasing opportunity for County residents, and investment in electric vehicles and charging infrastructure for the County fleet, including a five-year capital investment program. Conversations are also taking place with cities and the school district.

2019 Roundtable Outcomes

- The Central & South Florida Flood Control Project Resiliency Study continues to be a top priority for the region, given the importance of the regional flood management system and the potential failure of many primary canal flood control gates with just six inches of additional SLR. The Army Corps and South Florida Water Management District have agreed to partner in the resiliency study of the Project needed to ensure its continued functioning under future conditions, as soon as the federal government appropriates funds for the study. Strong advocacy from the business community and local governments has been critical to keeping this issue front and center with federal officials, and continued engagement will be needed over the next year to secure funding for the study.
- After an appeal at the 2019 Roundtable to municipalities to consider participation in the C-51 Reservoir project, additional communities, including Miami-Dade County, stepped up to reserve allocations. Phase 1, with a capacity of 35 million gallons per day, is now fully subscribed. Construction should commence in November 2020.
- Lack of coordination between local governments and the Florida Department of Transportation and uncertainty about if and how local resilience standards are incorporated into projects were major themes at the 2019 Roundtable. Over the past year, thanks in part to strong advocacy on the part of municipal governments to include the County in conversations with FDOT, major advancements have been made on specific projects, including the 10th Street Connector in the north part of the county and corridor improvements in Hollywood. FDOT is incorporating the County's guidance on rainfall intensity in their project study in Hollywood, and the County has worked to develop formal resilience criteria for FDOT multimodal projects. The County's surtax-funded projects will also use similar resilience criteria.
- Last year's Roundtable produced a request that the County conduct an annual Resilience Survey and produce an Annual Report on municipal and tribal resilience activities to promote knowledge-sharing and accountability. Twenty-two local governments in Broward, including the Seminole Tribe, responded to the 2020 Resilience Survey. The responses demonstrate county-wide leadership, with efforts that are broad, diverse, and reinforcing. A summary report and other information will be posted to the County's climate website soon. Forthcoming and ongoing projects can be shared with the County via resilience@broward.org.
- At the 2019 Roundtable, participants expressed strong interest in the concept of a resilience scorecard that could help benchmark progress on resilience activities within and among local governments and communicate those results. This request was brought to the Compact, and a group consisting of municipal and county staff, as well as advisors on equity, came together to identify the top climate mitigation, adaptation, and equity actions that would be included as part of the Compact Climate Assessment Tool. That group has also begun to

develop an Annual Snapshot graphic to clearly convey priority actions and progress advanced by a community. The Compact held a workshop on October 1 to present the initial concepts to municipalities, and Compact partners intend to continue developing and refining the tools over the next several months, with rollout some time in 2021.



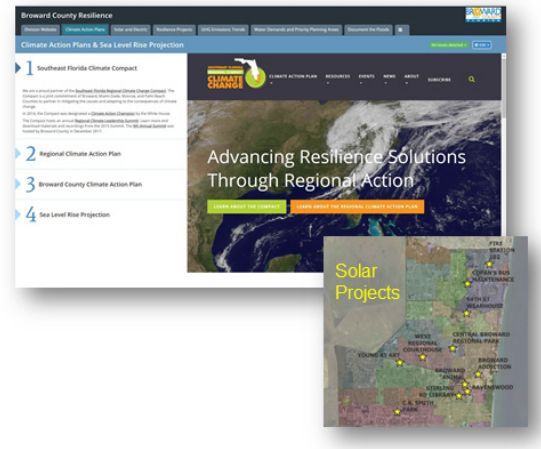
Coming Advancements

- Over the past few months, following a suggestion by Commissioner Furr, an internal County team has been working to create a Resilience Dashboard similar to the powerful COVID-19 dashboard that has become familiar to many. In part, this will be a dashboard of dashboard, bringing together many of the maps and tools regularly referenced in resilience planning. The Dashboard will also track various trends of interest, e.g., GHG emissions, water consumption, solar projects, EV installations, resilience projects, and green infrastructure. Local governments will be invited to submit their projects and investments for inclusion, so that everything can be tracked in one place.

Resilience Dashboard

Components

- Tools, Trends, Investments,
- Emissions
- Water consumption
- Solar projects
- EV installations
- Resilience projects
- Green infrastructure



The County's planned Resilience Dashboard will serve as a central portal for a wide variety of resilience data and resources.

Slide credit: Dr. Jennifer Jurado, Broward County

- Procurement for a consultant to conduct a Countywide Risk Assessment and Resilience Plan, referenced at the 2019 Roundtable, should commence shortly. The county's future conditions modeling results will serve as the basis for a powerful platform able to assess how to manage water under future conditions through improved water management strategies, infrastructure, and alternative development strategies. Municipal and tribal contributions and local information will be key to the effectiveness of this planning process.

Gus Zambrano, Assistant City Manager, City of Hollywood, then offered his city as an example of how resilience issues are playing out in a municipal context. “We have to plan and execute concurrently – we’re running out of time,” he emphasized.

- Following the 2017 Sustainability Action Plan, which looked comprehensively at environmental strategies across the city, Hollywood will soon complete a Vulnerability Assessment that evaluates potential climate impacts to city infrastructure and facilities and strategies to prepare for those impacts—not only SLR, but also extreme heat, extreme precipitation, and storm surge. The assessment will ultimately be used to create a Preliminary Adaptation Plan for the City.

Why We Are Here Today



Flooding impacts in Hollywood have led the City to rapidly advance its resilience planning and implementation efforts.

Slide credit: Gus Zambrano, City of Hollywood

- Hollywood has developed a proposed Dune Master Plan to restore existing dunes (many installed over 30 years ago) and install new dunes. With FDOT and the County, the City conducted a Tidal Flooding Study of the barrier island along State Road A1A, which identified low elevations, infiltration through leaky pipes, backflow from storm sewers, and overtopped seawalls as major factors. Solutions are under consideration, with several flap gates and checkmate valves already installed.
- The City recently reconstructed its Polk Street Boat Ramp, with partial funding from the Florida Department of Environmental Protection. Previously, during high tide and king tide events, water frequently flowed over the boat ramps and flooded the surrounding neighborhood.
- In 2019, Hollywood voters approved \$23 million in infrastructure and resiliency investments as part of a general obligation bond referendum, including a Tidal Flood Mitigation and Shoreline Protection project centered on the North and South Lake areas. The project will raise seawalls or install other infrastructure, including nature-based shorelines, along public areas that either have no tidal flooding protection at present or protection that does not meet current requirements. Private shorelines are not covered by these investments, however, and the City is beginning to consider what a long-term program to protect the shoreline on private property would look like.

Jack Seiler, Chair of the South Florida Business Council, pointed out that at both the beginning of his time in elected office in 1993 as a local elected official and in the late '00s in Tallahassee, there was very little emphasis on or discussion of sustainability or resiliency. Now, he said, “There’s a level of energy and enthusiasm to get this done. This level of community-wide engagement on these issues is unparalleled in Broward County history.”

- Chambers and leadership forums in southeast Florida have all recognized that climate change and resilience are not just environmental issues, he said, but perhaps the most significant economic issue facing the region in the next decade. The significance of these organizations—representing three counties, thousands of businesses, and hundreds of thousands of employees—placing resilience on the top of their agendas cannot be overstated. The business community is stepping up with advocacy, financial contributions to projects like the Business Case for Resilience study, and a promise to continue and deepen engagement.
- Fundamentally, everyone recognizes that resiliency requires individual, corporate, and community investment, with shared ownership of the challenge and active support to address it. The business community really wants to see a roadmap for significant action, with a detailed timeframe, cost estimates, and measurable outcomes. If that can be developed, “We will invest.”

Dr. Alec Bogdanoff, Principal of Brizaga, Inc., and a consultant for the Urban Land Institute (ULI), previewed the findings of the *Business Case for Resilience in Southeast Florida* study, which was officially released on October 13, 2020, during the Compact Summit.

- ULI, with funding provided by Broward, Miami-Dade, and Palm Beach Counties, the business community, philanthropy, and the Florida Department of Environmental Protection, engaged AECOM to conduct economic modeling to examine the economic impacts of sea level rise and flooding and potential economic benefit of resilient infrastructure investments.
- The modeling indicated that \$4.2 billion in property value in the four counties of Southeast Florida will be exposed to daily tidal inundation by 2040, with \$53.6 billion in property value impacted by 2070. This suggests an annual loss in property, sales, and tourism tax revenue of \$28 million by 2040 and \$384 million by 2070.
- The report analyzed the costs and benefits of both community-wide resilient infrastructure investments (generally public-sector) and building-level investments (generally private-sector). Measured across the region, community-wide adaptation would yield a benefit-cost ratio of 2.08, and building-level adaptation a benefit-cost ratio of 3.97.

Benefit-Cost Analysis Results

Community-wide:

<i>Benefits*</i>	<i>Cost*</i>	<i>Benefit-Cost Ratio</i>	<i>Job Years Supported**</i>
\$37.9B	\$18.2B	= 2.08	85,000

Building-level:

<i>Benefits*</i>	<i>Cost*</i>	<i>Benefit-Cost Ratio</i>	<i>Job Years Supported**</i>
\$17.6B	\$4.4B	= 3.97	56,000

*Results presented in net present value terms using a 5 percent discount rate over the period of analysis from 2020 to 2070

**Presented in terms of job years. Job years is equivalent to one year of work for one person; for example, a new construction job that lasts two years will equate to two job years. Estimated job years supported due to direct investment spending in the four counties of analysis

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The Business Case for Resilience in Southeast Florida study showed a strong benefit-cost ratio for both community-wide and building-level adaptation investments.

Slide credit: Urban Land Institute

- These figures make the business case for investing now and over the course of the next decades in adaptation measures, given the positive return on investment and the property value and tax revenue put at risk in a no-action scenario.
- In many cases, already-planned projects can be made resilient through incremental changes.

Community Sharing

Eight communities which submitted presentation slides ahead of the Roundtable then shared their highlights with the group.

- **Paul Backhouse, Senior Director, Heritage and Environment Resources Office, Seminole Tribe of Florida**, outlined the Tribe's efforts to begin resiliency planning. Community outreach—conducted virtually by phone or videoconference due to the pandemic—is a key part of their process, given how much traditional ecological knowledge of changes in the natural environment is contained within thousands of years of oral history maintained by tribe members. He also announced that the Seminole Tribe will be hiring a Climate Resiliency Officer to help lead their efforts.

- **Coconut Creek**, represented by **Vice Mayor Josh Rydell**, reported progress on creating walking and cycling paths alongside major corridors and improving the city's trailway and greenway system, including with the planting of food forests that will provide fruit to residents. The Vice Mayor also noted the installation of solar panels on City Hall and emphasized the importance of educating and engaging residents on resilience and sustainability issues, as well as advocating for the programs and funding needed at the state and federal levels.
- **Commissioner Michael Hudak** led **Deerfield Beach's** presentation, with **Sustainability Coordinator Hillary Silverstone** detailing the City's recent initiatives, including a significant energy performance contract with Siemens featuring energy and water conservation measures and conversion of waste trucks to natural gas, construction of new facilities at a higher base-flood elevation, undergrounding of overhead utility wires on the barrier island, and development of beach management and stormwater master plans. She noted that the City recognizes that it needs to be a role model in order to encourage its residents and businesses to pursue resiliency and sustainability themselves.
- **Fort Lauderdale**, represented by **Dr. Nancy Gassman, Assistant Public Works Director – Sustainability**, noted that a wide array of City plans and priority lists include resilience and climate change, including: the City Commission's list of top priorities for 2020, updated Comprehensive Plan, Design and Construction Manual, and five Infrastructure Master Plans. Fort Lauderdale has begun a \$200 million stormwater infrastructure improvement initiative to install new pipes, pumps, tidal valves, swales, and catch basins in seven neighborhoods, with \$70 million of investments already underway in two neighborhoods. In addition, the City has installed or will soon install 3,100 feet of seawalls in two locations, protecting \$819 million of adjacent property. Finally, over four miles of force main sewer pipe is under construction, which will prevent sewer breaks and provide redundancy in the case of damage to the primary line.
- Following an introduction by **Pompano Beach Mayor Rex Hardin**, **Sustainability Coordinator Max Wemyss** highlighted the City's updated Comprehensive Plan, which features a climate change element and sustainability themes throughout, as well as the City's adoption of a sustainability strategy. He also reported that the City was awarded a grant from the Florida Department of Economic Opportunity for a greenhouse gas emissions reduction strategy and is seeking a grant to perform a vulnerability assessment of City infrastructure and facilities, which will inform the creation of Adaptation Action Areas. Resilient infrastructure investments include general-obligation-bond-funded elevation of three bridges and repairs to seals and three new fire stations and a new EOC and Public Safety Complex, all of which are green buildings featuring elevated emergency equipment.
- **Mayor Mike Ryan** of **Sunrise** applauded the involvement of the business community as a "key gamechanger" for resilience discussions and said that "from sawgrass to seagrass, we are one degree of separation" from coastal communities, noting that climate impacts aren't just limited to areas near the shoreline. He then

introduced **Sustainability Manager Carrie Kashar**, who reviewed the City’s GHG reduction target for its operations, including benchmarking for facilities; conversion of street lights to LED; a green fleet strategy and plans for public EV infrastructure; a bicycle/pedestrian/trail master plan; and solar photovoltaic installation on a new utility building. The City has also completed an initial vulnerability analysis; updated its stormwater master plan; set a goal for 10 percent reduction in community water use, including a \$42 million investment in a five-million-gallon-per-day water reuse system.

- **Wilton Manors Assistant City Manager Pamela Landi** admitted that large capital projects are difficult for a small city to undertake, but reported progress on resiliency initiatives, including implementation of the City’s joint climate action plan with Oakland Park; joint lobbying to the US Army Corps of Engineers with Oakland Park and Fort Lauderdale for a structure that would limit the impacts of king tides; ordinances aligning the City with the County seawall requirements, requiring all construction to include some combination of green building features, and raising minimum elevation for new or rebuilt structures in flood zones. She also stressed the City’s efforts to inform the public on these changes with flyers, social media posts, and newsletters written in plain English.
- **Hillsboro Beach Mayor Deb Tarrant** presented dramatic photos showing a submerged vehicle that ran off the road during high-tide flooding which made it difficult to tell where the roadway ended and the Intracoastal Water waterway. The City has been pursuing road improvements for over five years, finally succeeding in placing the project in the Broward Metropolitan Planning Organization work plan for 2022, but its insistence that sea-level rise be the major determining factor for the roadway design has encountered resistance from the Florida Department of Transportation. “We may be small,” she said, “but we have big-city problems.”

Three additional cities then provided updates on their resilience activities:

- **Oakland Park Commissioner Tim Lonergan** introduced **Public Works Director Albert Carbon**, who noted the completion of a greenhouse gas inventory with ICLEI, using a 2015 baseline, continued collaboration with Wilton Manors on their joint climate action plan, and participation in the C-51 Reservoir Project. He also highlighted the City’s new green landscaping practices, which include elimination of glyphosate-based herbicides and collaboration with a garden club to maintain two city athletic fields with organic techniques. In addition, the City planted native orchids along a nature trail.
- **Miramar**, represented by **Elsi Rose, Development and Capital Management Coordinator**, has required EV readiness for new development in its land development code and worked to install 10 charging stations throughout the city, adopted an anti-idling policy for its fleet vehicles, updated its landscape ordinance to address state tree-trimming preemptions, conducted a citywide tree inventory, promoted local food by engaging community gardeners to grow seedlings at home for resident giveaways and by amending its land development code to allow the growing and selling of food from homes. The City also conducted

an environmental protection risk and resilience assessment for its emergency operations.

- **Councilmember Denise Horland** of **Plantation** celebrated two multiuse trails under construction in the City and \$12 million in secured funding for installation of automated water meters, which will allow the utilities department and residents to monitor water use (and detect leaks) in real time. The City is also working to improve its shuttle system through penny surtax funding and pursuing opportunities to reclaim greenspace in its Gateway Community Reinvestment Area through the purchase and reconfiguration of dilapidated properties.

Discussion Themes

PARTNERSHIPS

- The Compact and Broward County Climate Change Task Force were identified as key entities in advancing climate resilience that might play even greater roles in coordinating and pursuing resilience information, policies, and investments
- Several participants raised the idea of a “Resiliency Metropolitan Planning Organization” to identify, prioritize, and fund resilient infrastructure of county-wide importance and ensure that multiple entities are not in constant competition for the same sources of funding.

COMMUNICATIONS

- Multiple participants emphasized the need for a strong communications campaign to publicize resilience efforts taking place, champion successes, and support business development efforts to establish Southeast Florida as a global center for resilience activities and expertise.
- Alan Cohen reminded Roundtable participants that it is important to repeat ourselves because we are always speaking to new audiences. Although many of us have been discussing these issues for a long time, we cannot assume that everyone else is up to speed. Repeated efforts to show photos, talk about impacts, and highlight needs are needed.
- Ina Lee commended the Invading Seas project among regional newspaper editorial boards and WLRN Radio for raising awareness of climate and resilience issues with the public.

ADVOCACY

- Multiple participants emphasized the importance of strengthening joint advocacy at the state and federal levels, with the business community recognized for its key role in lobbying. There is a desire to work with national coalitions on resilience issues, though it is unclear if there are effective organizations at present.
- The Business Case for Resilience study was recognized as major milestone and joint accomplishment by the business community and local governments, with great value

for telling the region's story and making the argument for significant investments from local, state, and federal levels.

- Photos and videos are “worth a thousand words” in telling a compelling story about the region's challenges.

ECONOMIC DEVELOPMENT

- Participants agreed that coordination with educational institutions is important to ensure that the labor force is equipped with the knowledge and skills needed to build a resilient community.
- Commissioner Beam Furr challenged city leaders to marry the challenges of resilience and solid waste. Is there a way to close the loop and use waste materials as resilient infrastructure components? More broadly, what do we need to purchase for these efforts, and can we manufacture those materials here? Addressing both challenges in this way would build our manufacturing base while benefiting the environment and the climate.

Goals for Next Year

- Standing up County Resilience Dashboard and sharing site.
- Refinement and deployment of Compact Climate Assessment Tool and Annual Snapshot.
- Coordination of solar information for residents.
- Development of a communication plan, with focus on both local and outside audiences.
- Identification of training and education needs to community to educational institutions.
- Initial efforts to identify business opportunities that might arise out of resiliency efforts
- Steps to better integrate efforts of disparate groups, including the Compact, Economic Resilience working group, and Broward County Climate Change Task Force, including input into the Broward County Climate Change Action Plan update.
- Initial efforts to identify specific projects and investment needs.

Summary of Immediate Next Steps

Broward County will:

- 1. Distribute the Business Case for Resilience in Southeast Florida report to all Roundtable attendees.*
- 2. Provide a written summary of the Roundtable discussion for distribution to all attendees, municipal officials, and administrators.*
- 3. Work with Compact partners to refine the Compact Climate Assessment Tool and Annual Snapshot for use by municipal and tribal governments.*
- 4. Stand up the Resilience Dashboard, including a repository of local case studies, ordinances, tools, built projects, and other resources.*
- 5. Organize the annual Resilience Report, to compile, track, and communicate countywide efforts and investments.*
- 6. Participate in the development of a regional communications strategy.*
- 7. Continue to host the Broward Leaders Resilience Roundtable annually.*

Municipal and Tribal partners will:

- 1. Review the Business Case for Resilience in Southeast Florida report.*
- 2. Submit infrastructure projects, ordinances, polices, and programs for inclusion in the Resilience Dashboard.*
- 3. Use the Compact Climate Assessment Tool and Annual Snapshot.*
- 4. Contribute to the development of a regional communications strategy.*
- 5. Cooperate with local, regional, state, and national partners to advocate for increased funding at all levels for resilience investments.*
- 6. Stay tuned for additional updates on the County-wide Resilience Plan and process for participation.*

Business partners will:

- 1. Lead efforts to produce a communications strategy on regional resilience efforts, celebrating successes, and to position Southeast Florida as an international center for resilience expertise.*
- 2. Coordinate identification of training and education needed for development of the resilient-economy sector.*

For additional information about the Roundtable, contact the Environmental Planning and Community Resilience Division at 954-519-1270 or resilience@broward.org.

Cover photo credit: Paul Krashefski, Broward County