Who We Serve

- 6 Counties
- 21 Municipalities
- 13 Gubernatorial Appointees
- 3 Ex-Officios
Benefits of a Regional Approach

- Unified voice to address challenging issues, policy
- Advanced planning
- Leverage resources
- Build capacity
- Expand expertise
- Broaden partnerships
- Increase innovation
Business Leaders are Concerned about Extreme Weather and Climate Impacts.

*Florida Trend 2018* 500 most influential Floridians name climate change/sea level rise as a top concern

**BSR’s Resilient Business, Resilient World** identified climate change as the highest impact risk to business out of 29 risks that were reviewed.
Florida Chamber Foundation 2030 Plan Includes Resilience Goals

Connect Florida’s communities to one another and to global markets; support continued economic growth while preserving Florida’s essential environmental and community assets.

Efficient and Connected Transportation Systems
- Provide high levels of passenger connectivity options within and between Florida’s regions, including rural to urban connections.
- Position Florida’s airports, seaports, and spacesports to accommodate growth in demand for trade and visitors.
- Link Florida’s trade and visitor gateways to vital corridors to enable efficient global supply chains and delivery networks.
- Transform Florida’s major transportation corridors to accommodate multiple modes of transportation and multiple types of infrastructure.
- Support growing demand for a wide range of mobility options – from walking and bicycling to transit and shared vehicles/services.
- Continue to be a leader in research and deployment of emerging transportation technologies including autonomous, connected, shared, and electric vehicles.
- Continue to develop public-private partnerships to invest in future transportation infrastructure.
- Address growing investment needs in transportation as traditional revenue sources erode.

Forward-Looking Land Use and Design Decisions
- Promote sustainable urban and rural development practices that make more efficient use of land and infrastructure and protect natural resources.
- Invest in land preservation efforts to ensure protection of essential habitat, water resources, recreational, agricultural, forestry, and other resource lands.
- Encourage communities and regions to participate in long-range planning activities that link economic development, land use, infrastructure, community planning, and environmental stewardship decisions.

Resilient Communities and Infrastructure
- Support and incentivize communities to complete vulnerability assessments and develop resilient redesign efforts.
- Identify and implement actions to improve Adaptation Action Areas throughout Florida for coastal communities at risk.
- Encourage and incentivize communities to enter the Community Rating System (CRS) program and reduce their CRS score, making them less vulnerable and reducing flood insurance costs for property owners.
- Make science-based decisions about how to protect, increase resiliency, and invest in regions and communities at risk from extreme weather, coastal flooding, and other dangers.

Preparing Florida’s infrastructure for smart growth and development

Diverse, attainable housing to meet future demand
Every resident has access to public and private mobility services
All major population and economic centers connected to regional, national, and global markets by high-capacity corridors
World’s most capable spaceport; top-tier airports, seaports, and surface transportation hubs in U.S.
100% of Florida residents have access to high-speed communications connectivity
Diverse and reliable energy, water, and waste management resources to meet future demand
All Florida residents protected by resiliency plans
Local Impacts

$953,566,850 in damages reported in our region between Jan. 2014-April 2019

NOAA Storm Events Database [https://www.ncdc.noaa.gov/stormevents/](https://www.ncdc.noaa.gov/stormevents/)
Extreme Rain Events Increasing

- In 2015, Tampa Bay had a 7-9 inch event
- Lessons from Hurricane Harvey -- stalled storm could *double or triple* rainfall totals.
- Climate models predict an uptick in frequency
  - most importantly -- increase in rate (inches/hour)
- Federal Highway Administration grant Resilience and Durability Assessment
  - We model 9 inches in 24 hours, 33 inches in 3 days, + Cat. 1,2,3 + SLR
Recent Local Historical Sea Level Rise

1946 to present: 7.8 inches

Data developed by the Tampa Bay Climate Science Advisory Panel
Small amount of sea level rise is impacting stormwater drainage

Current water levels are already higher than the bottom of the outfalls.
2017 Projections are Higher Than Previous Projection

Updated Recommendation

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*Table 1. Sea Level Change Relative to the Year 2000 for St. Petersburg, Florida in Feet Above Local Mean Sea Level (LMSL)*

Provided by the Tampa Bay Climate Science Advisory Panel
Sea Level Rise Exacerbates Storm Surge

Notes: 2045 was used for the FHWA project for LRTP update
NOAA High for 2045 = 2.16 feet
Simulations, meshing GIS with economic data

As currently assessed, **$400 billion** of property will be at risk by the end of the century
Resiliency Coalition
Currently 28 Local Governments

Municipalities
1. Bradenton Beach -- June 2019
2. Clearwater
3. Dunedin
4. Gulfport
5. **Holmes Beach – May 2019**
6. Indian Rocks Beach
7. Indian Shores
8. Largo
9. Madeira Beach
10. New Port Richey
11. Oldsmar
12. Palmetto
13. Redington Beach
14. Safety Harbor
15. Sarasota
16. Seminole
17. South Pasadena
18. St. Petersburg
19. St. Pete Beach
20. Tampa
21. Tarpon Springs
22. Treasure Island

Counties
1. Citrus County
2. Hernando County
3. Hillsborough County
4. Manatee County
5. Pasco County
6. Pinellas County

Working together to increase coordination, collaboration, and consistency to create more resilient, vibrant communities.

Janet C. Long
Coalition Chair, Pinellas County Commissioner
Creating the Coalition in 2018

- Jan-March - Presentations at Council meetings
- March - Cm. Long proposes formation
- June - Technical Advisory Committee creates Memorandum of Understanding (MOU) which defines road map for collaboration
- July-Sept – Local Governments review and approve
- Oct signing event with 25 Local Governments

Coalition Chair Cm. Janet Long and TBRPC Executive Director Sean Sullivan
Coalition Partners (partial list)

- Chambers of Commerce – Clearwater, Manatee County, St. Petersburg, Tampa Bay Beaches
- AECOM, Atkins Global, Jacobs, Taylor Engineering, VHB
- Florida Floodplain Managers Association
- Coca Cola
- Florida Council of Churches
- Clearwater Gas Systems
- Filtrexx International
- Florida Climate Institute
- University of South Florida
- Brown & Brown Insurance
- Coastal Risk Consulting
- Cushman & Wakefield
- Duke, TECO
Coalition Structure

- **Coordinating Organization**
  - TBRPC

- **Steering Committee**
  - Elected officials on TBRPC Council

- **Management & Planning Committee**
  - Senior Staff from MOU Local Governments
  - Multi-jurisdictional Agencies

- **Partners**
  - Private sector, non-profits, universities etc.

- **Workgroups**
  - Elected officials, staff, Partners, and local community
Creating Resilient Local Governments

Rockefeller Resilient 100 Cities 2018 Evaluation

1. Dedicated resilience staff (Chief Resilience Officer or lead/coordinator)
2. Implement cross-sectoral and multi-jurisdictional planning
3. Reduce operational silos
4. Increase consistency among internal plans
5. Active, ongoing commitment from elected leaders
6. Involve partners from civil, private, and multilateral-sector organizations
7. Change capital improvement budget review procedures
8. Leverage funds for resilience-building efforts
Coalition Workgroups

Support Foundation Building Activities in 2019-2020

- Risk & Vulnerability Assessment
- Capital Improvement & Finance
- Data Management
- Planning & Policy
- Municipal Excellence
- Com. & Engagement

Include Local Government Staff and Stakeholder Partners
Resilience Action Work Plan 2019

1. Integrating Climate into Local Mitigation Strategy updates in 5 counties
2. Integrated Risk & Vulnerability Assessment Methodologies
3. Guidance Document for Integrating Climate Hazards and SLR into Local Plans and Budgets
4. Expand use of Pinellas County’s SLR Capital Planning Tool and Process
5. Create Shoreline & Seawall Guidance Document
6. Engage businesses and plan a Summit
Local Government Actions

- HR: Creating new resilience positions, teams
- Science and Policy: Mapping, GIS data, conducting assessments, updating Comp Plans, Peril of Flood,
- Financial: Considering SLR in capital improvement approvals, add money to do assessments, create utility fees
- Community -- engagement meetings, surveys
- More!
The challenges facing our communities are enormous.

Your leadership makes a world of difference.