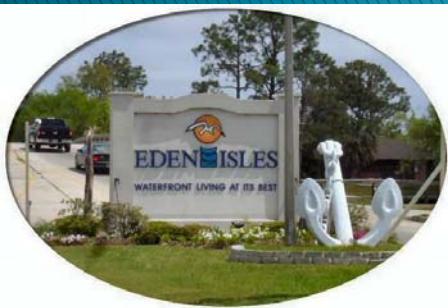


Welcome!!

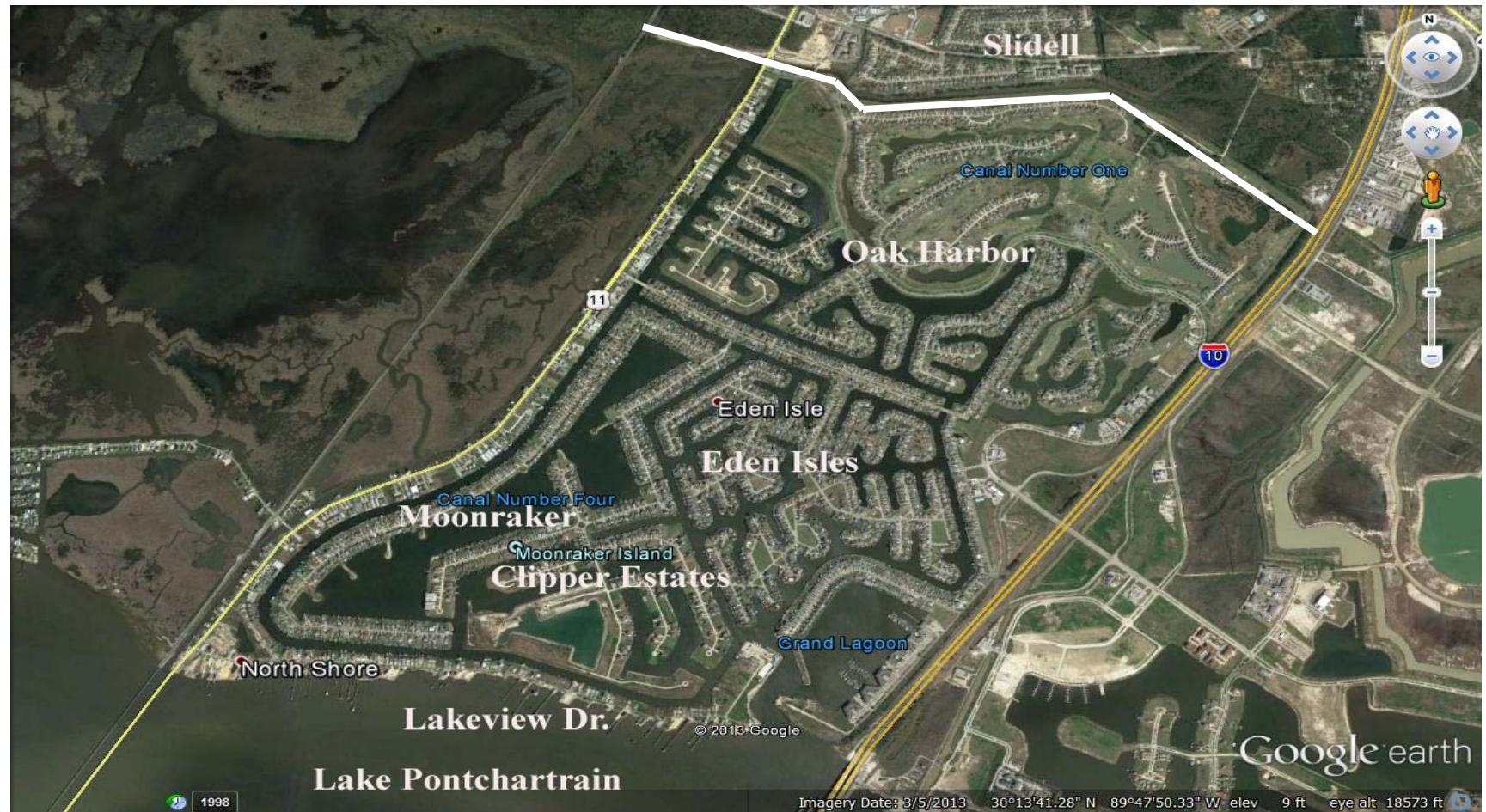
*Eden Isles Homeowners
Association*

General Membership Meeting

3/11/14



At Risk Communities



East St. Tammany Storm Protection Committee

Executive Briefing



Storm Threats, Risk Assessments and Committee Efforts and Directions

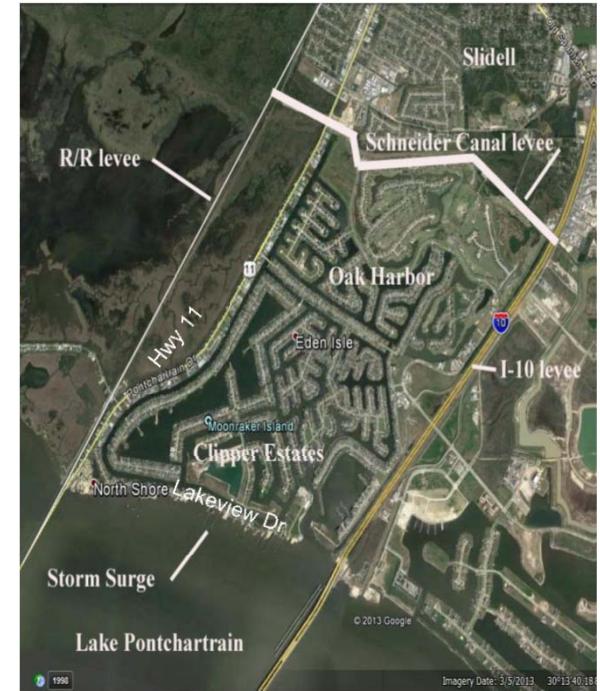
Prepared for:

*Ms. Pat Brister – St. Tammany Parish President
Mr. A.G. Crowe – LA State Senator – District 1*

February 26, 2014

Agenda

- *Introductions and Opening Remarks*
 - *East St. Tammany Storm Protection Committee*
 - *Charter / Members / Credentials*
 - *Briefing Purpose*
 - *Executive Awareness, Commitment and Critique*
- *Flood Threat Assessments*
 - *Surge Levels and Probabilities*
- *Risks and Impacts*
 - *Property, Economic and Environmental Losses*
 - *Recovery Costs / Property Value / Tax Revenue Exposure*
- *Call To Action / Committee Activity Status*
 - *Committee's Strategic Plan - Approach , Structure, Status*
 - *Community Coalitions*
 - *Modelling Efforts and Plans*
 - *Potential Solutions and Scopes*
- *Next Steps – Commitments, Requested Guidance and Critiques*
- *Action Items / Closing Remarks*



Introductions and Opening Remarks

➤ East St. Tammany Storm Protection Committee

• *Committee Charter*

- *Representing the interests of the following communities*
 - ✓ *Lakeview Drive / Moonraker / Clipper Estates / Eden Isles / Oak Harbor*
 - ✓ *Provide the necessary citizen leadership, expertise and focus*
 - ✓ *To achieve 100-year level storm protection from the Lake Pontchartrain Basin , and surrounding areas, for the 7,041* residents of these communities*



• *Current Members / Credentials*

- Thomas Thompson – 30+ years resident of Eden Isles
 - ✓ *BS Engineering Technology / MBA / 30+ years engineering experience - drainage, subdivision development / Recognized for many years for related issue research, pursuit of governmental support and authorship of pertinent analytical reports*
- John Faust – 28 year resident of Moonraker
 - ✓ *Electrical engineering / 20+ years as NOPD municipal preparedness and emergency response planner / Recognized for many years of related issue research, pursuit of governmental support and authorship of pertinent analytical reports*
- Dr. Patrick Fitzpatrick – 13 year resident of Lakeview Drive
 - ✓ *PhD – Meteorology / Professor and consultant on weather issues, hurricanes, storm surge, numerical modeling / Publications and books on hurricanes / Various professional committees for meteorology and hurricanes*
- Dennis Strecker – 22 year resident of Carr Drive / Property owner – Eden Isles
 - ✓ *ME Mechanical Engineering, PE / 30+ years Corps of Engineers / Independent Consultant to Corps for: surge gate designs and multiple mechanical problem resolution engagements*
- Louis Sandoz – 10 year resident of Eden Isles
 - ✓ *BS Electrical Engineering / Electrical and IT systems engineering / MBA / Licensed General Contractor / Certified Project Manager, PMP / 40 + years in project planning, development and implementations*

* 2010 Census

Introductions and Opening Remarks

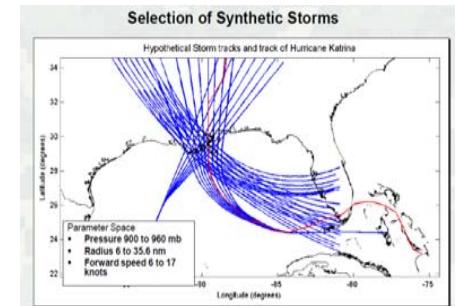
- Briefing Purpose - Executive Awareness, Commitment and Collaboration
 - **Provide** an awareness of our committee's existence, purpose, approach, efforts-to-date and directions
 - **Seek** President Brister's and St. Tammany Parish government's commitment and sponsorship
 - Our committee's efforts
 - ✓ Establish short and longer term plans of action
 - ✓ Identify and sponsor engineered solutions
 - ✓ Drive the mechanisms and funding for the construction project
 - **Seek** Senator Crowe's commitment and sponsorship
 - Our committee's efforts
 - ✓ Achieve State level recognition of our problem
 - ✓ Achieve State level involvement in developing a solution, and supporting the Parish
 - ✓ Secure funding and scheduling commitments to go forward with construction
 - **Seek** your executive level collaboration, critique and advice, regarding
 - What we have presented, as a matter of content,....
 - How effectively it was formatted and presented,....and most importantly,
 - What are your recommendations, regarding
 - ✓ Proper and most expeditious next steps



Flood Threat Assessments

➤ Surge Levels and Probabilities

- *Lake Pontchartrain Surge History - Lakeview Drive*
 - Excludes wave action, rainfall , or watershed runoff
 - ✓ *Isidore - September, 1990 - 6 ft.*
 - ✓ *Lili - October, 1990 - 5 ft.*
 - ✓ *Katrina - August, 2005 - 15 ft.*
 - ✓ *Gustav - August , 2008 - 6 ft.*
 - ✓ *Isaac - August, 2012 - 8 ft.*
- *Projected Lake Pontchartrain surge-only level / Interpretation*
 - *100-year storm=> estimated at 10 ft.-13 ft. / 1% chance of occurring, in any given year*
- *Schneider Canal Levee*
 - *Heightens storm surge threat to our area*



Risks and Impacts



➤ Property, Economic and Environmental Losses

- *It is difficult to comprehend that, after having experienced Katrina and “lesser” events , and the resulting*
 - *Economic impact and recovery costs;*
 - *Environmental damage, some of which was permanent, and*
 - *Immeasurable loss in our collective human spirit,*

We have not found the public and political will to meet this threat

➤ Recovery Costs / Property Value Loss/ Tax Revenue Exposure

- *For the most part, our homes are the centerpieces of our personal net worth*
- *One more “Katrina”, and we need not worry about reasonable flood insurance rates.....we will have a virtually worthless “dead zone” on our hands*



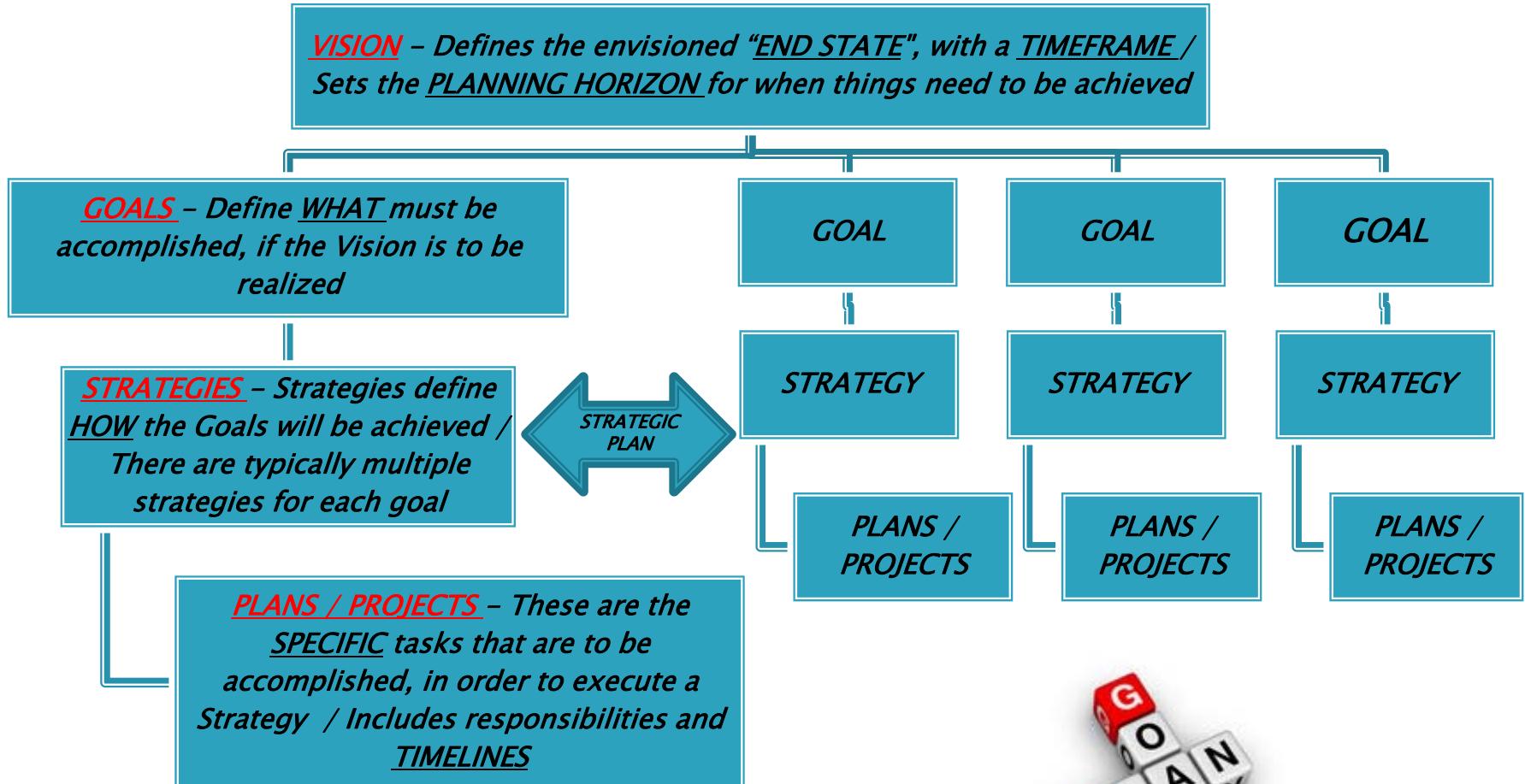
Call To Action / Committee Activity Status

➤ *Committee's Strategic Plan – Approach / Structure / Status*

- *Approach / Guiding Principles*
 - *Organize and support, coalitions and action plans centered on strategic planning*
 - *Focus on the science , when considering solutions, funding and support*
 - *Conduct all efforts and operations with total transparency*
 - *Seek funding opportunities and coalitions from governmental agencies, private philanthropy and public fund raising*



Our Strategic Plan's Structure



Our Strategic Plan's Status

- Vision
 - Within **five years**, starting on 1/1/2014, a storm surge protection system (SSPS) **will be in place** ,
 - ✓ Based on the **100-year storm surge projection** from the waters of Lake Pontchartrain, and surrounding sources,
 - ✓ protecting the Lakeview Drive / Moonraker / Clipper Estates / Eden Isles / Oak Harbor communities
- Goals
 - **Create** coalitions among the named communities
 - ✓ Maximize governmental agency and political executive support, at all levels
 - ✓ **Establish** scientific leadership and governmental agency collaboration
 - ✓ Produce feasible engineering and construction solutions, and funding estimates
 - ✓ **Solidify** public and private funding coalitions to enable construction
 - ✓ **Solidify** political coalition to guide and assure governmental backing and funding
- Strategies
 - ✓ **Create** a baseline committee to drive the citizen components of all Goals
 - ✓ **Recruit and establish** the community coalitions and calls to action
 - ✓ **Generate** the political interest and backing required for all Goals
 - ✓ **Review** existing science studies and reports, supporting the target SSPS
- Plans / Projects
 - **Present** the committee and its concepts to President Brister and Senator Crowe., and **seek commitments**



Committee Activity Status

➤ Community Coalitions

- *Broaden the Committee's membership*
 - ✓ *Assures inclusion of all affected community interests, as well as,*
 - ✓ *Provides focal point for coalition of respective homeowner associations*
 - ✓ *Fosters voter awareness, where appropriate*



➤ Threat Modelling Results – Efforts and Plans

- *Through the efforts of Dr. Fitzpatrick and Mr. Strecker, we have begun researching the availability of surge threat and Lake behavior modelling results, in order to better understand*
 - ✓ *The state of the “science”*
 - ✓ *Its relevance and applicability, and therefore,*
 - ✓ *What would be required to complete the analysis of threats, behaviors and possible solutions for costing and approvals*



Committee Activity Status

➤ Potential Solutions and Scopes

- The “Slam Dunk”

✓ *Despite the longstanding history of flooding in Lake Pontchartrain Basin, a comprehensive, common sense solution, that would address the root cause of the Lake’s surge, such as*

- *Structures and gates at the Rigolets and Chef Passes*
- ✓ *Appears to have been recognized, refused, and now buried under strong, political interests at the federal level*

- *The Committee has chosen to pursue “point” solutions to address the specific protection needs of the communities bounded by*

✓ *Highway 11 / Schneider Canal Levee / I-10 / Lake Pontchartrain*



Committee Activity Status

➤ Potential Solutions and Scopes

- Possible solutions are listed here for each:

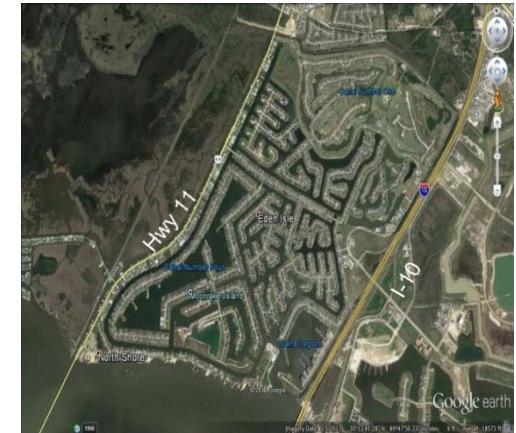
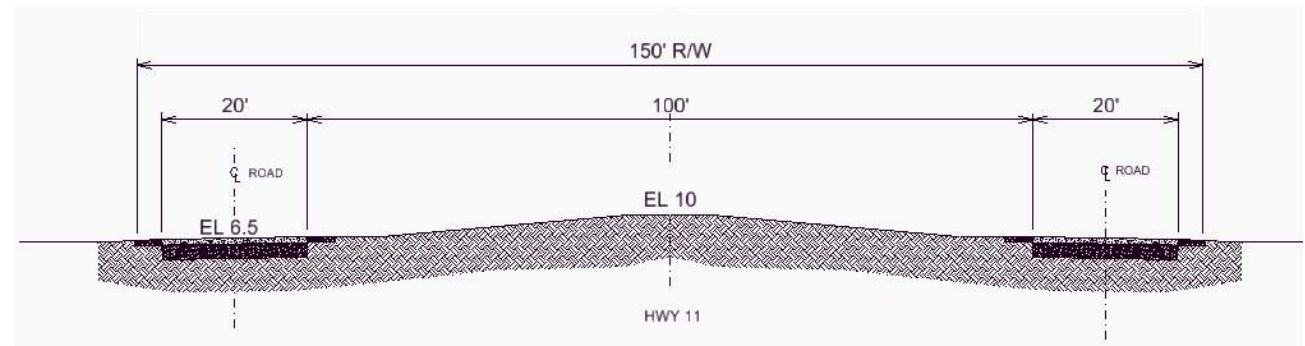
- ✓ I-10



- If existing elevations prove inadequate , there is sufficient right-of-way to make necessary embankment enhancements to block surge from the target area

- ✓ Highway 11

- By utilizing the Regional Planning Commission's proposed redesign and construction of Highway 11, the existing 150 foot wide highway right-of-way can incorporate an earthen levee, between travel lanes, to block the Lake's surge from entering the target area

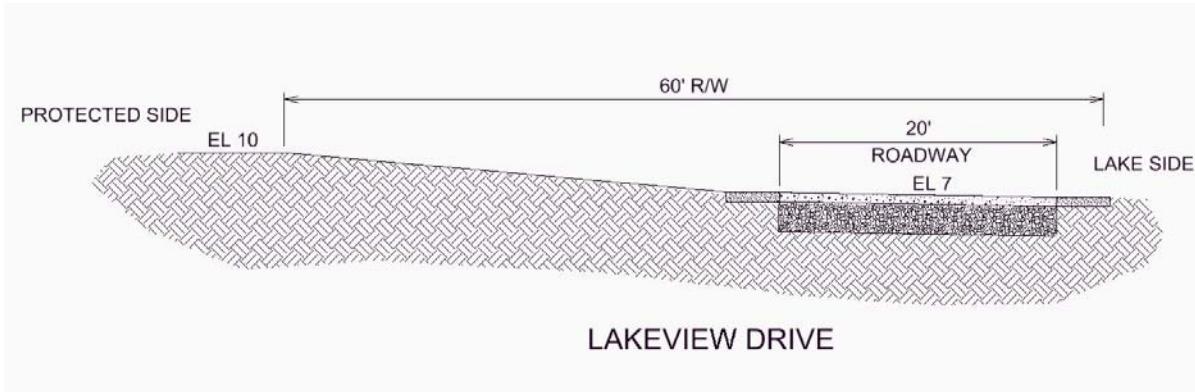
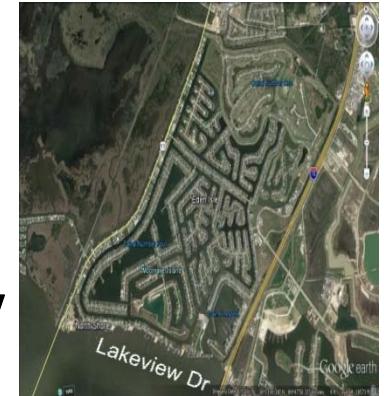


Committee Activity Status

➤ Potential Solutions and Scopes (continued)

✓ Lakeview Drive / Lake Pontchartrain

- Surge modelling will determine the elevations required
- Possible solution sets
 - ✓ *Modify Lakeview Drive , and include a marina gate system*



- ✓ *Utilize a combination of a significant breakwater system in the Lake, along with a less intrusive mediation of Lakeview Drive, and a marina gate system*



- ✓ *Construct a levee , appropriately far enough into the Lake, parallel to Lakeview Drive, with an access gate system*

Next Steps - Commitments, Requested Guidance and Critique

➤ Briefing Recap

- *Introduced Our Committee / Briefing Purpose*
- *Flood Threat Assessments / Risks and Impacts*
- *Committee's Strategic Plan / Activity Status*
- *Potential Threat Solutions*



Requests for St. Tammany Parish and State Level Commitments / Collaboration

- *President Brister's and St. Tammany Parish's commitment, sponsorship and assistance*
 - *Establish short and longer term plans of action / Identify and sponsor engineered solutions / Drive the mechanisms and funding for the construction project*
 - *Senator Crowe's commitment ,sponsorship and assistance*
 - *Achieve State level recognition of our problem / Achieve State level involvement in developing a solution / Obtain funding and scheduling commitments to go forward with construction*
- (continued)*



Next Steps - Commitments, Requested Guidance and Critique

➤ Executive Critique : Presentation, Committee Approach and Directions

- *Presentation content, format, and effectiveness*
 - **Critique and advise**
- *Proper and most expeditious next steps*
 - *Assuming Parish sponsorship, proceed with*
 - ✓ *The Coastal Protection & Restoration Authority (CPRA) ?*
 - ✓ *The Southeast Louisiana Flood Protection Authority - East ?*
- *Once the appropriate lead agency is identified*
 - **Provide advice, on the procedure we need to follow to have this regional project approved and implemented, on or before our target implementation schedule**

➤ Action Items / Closing Remarks



At Risk Communities

