



PRELIMINARY STRATEGIES – WEST GILGO TO CAPTREE

Strategies are types of projects, programs, policies, or other actions that address the resiliency and restoration needs in your community. There are typically several strategies to address a given need. At this point in the planning process, the Committee has been instructed to come up with as many strategies as possible. Proposed Strategies for your community can be found below. Please comment on these strategies or suggest other strategies for consideration on your comment sheet.

COMMUNITY PLANNING AND CAPACITY BUILDING

- 1. Work with OEM, Babylon FD, and Suffolk County 911 to update road and address ID system for improved planning and response. Verify 911 GPS data for accuracy of residential address locations.*
- 2. Conduct annual trial run of primary and backup early warning systems, including 911 notification prior to hurricane season.*
- 3. Update emergency management plans and evacuation/re-entry procedures with a focus on streamlining communications and operations between various relevant entities (Town of Babylon, State Police, Parkway Police, Suffolk County Police and Town of Babylon Code Enforcement).*
- 4. Update current evacuation routes based on road and bridge hazards (Wantagh and Captree Bridge). Increase awareness of evacuation routes away from risk areas through route signage.*
- 5. Provide uniform communication devices for use by emergency responders and municipal entities during storm events. Provide annual training on devices and procedures.*
- 6. Increase the connectedness of community members for post-disaster resilience, such as social media connections and emergency management registries (registration drives to sign up residents for email, text, mobile, landline phone alerts, and Facebook / Twitter updates).*
- 7. Strengthen building codes to reflect future hazards.*
- 8. Strengthen planning processes/reviews and enforcement policies to ensure compliance with building codes.*



9. *Communicate hazard and climate risks and techniques to the public to reduce risk.*
10. *Create public outreach campaign on the importance of healthy dune system and beach-goer etiquette. Work with the town of Babylon to address access issues when most users access the beaches.*
11. *Increase education of community, especially school children of local ecology, through the integration of local ecology and natural history into science classes and programming at community centers.*
12. *Elevate public facilities and/or MEP controls to above the 500-year event and harden to withstand hurricane level wind speeds.*
13. *Locate/relocate public facilities to lower risk areas.*

ECONOMIC DEVELOPMENT

1. *Make homes on barrier islands “Saleable” by minimizing risk of storm damage and flood insurance rates.*

HEALTH AND SOCIAL SERVICES

1. *Improve fire response by repairing fire jetties and draft wells.*
2. *Improve fire response by increasing access for fire trucks from Ocean Parkway.*
3. *Repair residential boardwalk system*

HOUSING

1. *Increase incentives for elevation or retrofit of homes.*
2. *Acquire the most vulnerable properties where the owner cannot elevate and/or retrofit the home.*
3. *Create a community-wide risk mitigation plan for residential structures with guidance for homeowners in various risk categories and short, medium, and long-term strategies for mitigation.*
4. *Mitigate power outages pre- and post-storm events.*



INFRASTRUCTURE

1. *Create living shorelines wherever possible to restore natural processes, minimize erosion, and create habitat.*
2. *Explore feasibility of shoreline stabilization where natural restoration is not an option.*
3. *Where possible, create vegetated buffers to protect homes and structures.*
4. *Use streets and public rights of way to implement projects to store, infiltrate, filter, and detain stormwater runoff and reduce on-street flooding.*
5. *Use public lands and green space to implement projects to store, infiltrate, filter, and detain stormwater runoff.*
6. *Reduce impermeable paved surfaces with porous pavement, pavers, gravel, and other surface materials that reduce runoff.*
7. *Water/Sewer: Protect potable water wells from wastewater contamination with the installation of small package treatment plants.*
8. *Water: Provide backup power for private and public water sources.*
9. *Water: Install public water system for communities that do not currently have one.*
10. *Power: Bury power lines to reduce outages from wind-driven debris and trees.*
11. *Power: Purchase and install emergency generator for each community and connect to to public and private structures.*
12. *Power: Develop solar power or other energy alternatives to reduce reliance on the grid.*
13. *Power: Harden electric conduits to the mainland to minimize future damage in storms with incorporation of power failure sensors for quick repair of outages.*
14. *Power: Leverage planned and funded projects involving utilities to conduct upgrades.*
15. *Develop a plan to elevate, protect, or relocate roadways/access routes to Ocean Parkway where frequent flooding restricts access and egress.*
16. *Retrofit marina facilities for Oak Island to maintain access.*
17. *Work with Town and County to resolve issues with dedicated versus non-dedicated roads, such as for debris removal.*
18. *Repair and mitigate public boat ramps as a means of egress for backup evacuation plan.*
19. *Work with cellular carriers to harden the cell towers and mainland network infrastructure to reduce service interruptions.*



20. *Ensure full cellular coverage of barrier island communities.*
21. *Work with phone company to harden landline connections to mainland to reduce interruptions in service.*
22. *Work with internet service providers to extend internet service to all residential structures*

NATURAL AND CULTURAL RESOURCES

1. *Preserve historic and culturally significant landmarks (e.g. Oak Beach Community Center, Oak Beach Park, Gilgo Beach Inn, and the West Gilgo Beach Chapel).*
2. *Restore and maintain the dunes.*
3. *Conduct a study of the littoral transport of sand in the inlet and beaches with consideration of various strategies to increase sedimentation on beaches from Tobay to Gilgo.*
4. *Implement wetlands restoration projects.*
5. *Identify, restore and protect fishing and shellfish breeding grounds.*