

## Tisbury Climate Committee

### Goals for 2022

#### General

Develop recommendations for town boards and committees to adopt to prepare for the effects of climate change and to promote sustainability.

- Support the Climate Action Plan process of the MVC
- Support the Master Plan process of Tisbury's Planning Board

#### Energy generation, conservation and protection

- Pursue town-owned solar generation on town buildings/property
  1. New Tisbury School Building
  2. DPW Building
  3. Senior Center
  4. Library
  5. ESF (Emergency Services Facility) – add battery back-up. See: OB School model of battery back-up.
  6. Hire a facilities manager to manage/support all that is needed.
  7. Develop a standard design and location map for car canopies installations.
  8. Develop an estimated budget cost to maintain a roof top solar array, i.e. ESF
- Make space for battery back-up when rehabbing or building new town buildings
- Research and prepare to purchase the solar field at the Town landfill
- Install latest generation heat pumps in all town buildings
  1. Need to upgrade 5 buildings annually – Use Green Communities money first. Prioritize building upgrades now for next five years.
  2. Consider commissioning a study of town buildings for their energy efficiency. Resources include: Rise Engineering, MASS Save, other? See WT study as a model.
  3. Initially keep each building as a stand-alone energy project. Later, develop a connected grid.
  4. Do not dispose of oil or propane systems in buildings – keep as back-up.
  5. Review all the propane and oil contracts and determine if Tisbury needs to have our own reserve supply either in trucks or on site at each location. What time period should we plan for an electrical outage. (2 weeks?)

#### Increased storm activity and sea-level rise

- Develop and follow a maintenance program (DPW) for the town's stormwater infrastructure, prioritizing key areas – Water St., Union St., Beach Rd., Main St. This will probably involve a larger budget for the DPW, collaboration with other towns on acquiring proper equipment or a shared contract with a private provider.
- Coordinate stormwater efforts with coastal protection in the downtown area as a single project to avoid unintended consequences.

- Press DOT to maintain/improve stormwater infrastructure on their roads, especially Beach Rd.
- As Tisbury roads are re-paved (re-constructed), use green infrastructure technologies and strategies to dis-connect stormwater from pipe systems leading to water bodies.
- Continue working with DOT, EPA, CZM and the MVC on stormwater initiatives and coastal protections.
  1. Improvements to the outfall pipe at Beach St. Ext. – DOT, including possible pier structure to protect it.
  2. Prepare to put 5-corners improvements on the TIP as a priority
  3. Pursue drainage system for State Rd./Main St. interface at the old Fire Station Lot and Veterans Park.
  4. Continue upgrading catch basins throughout town per DPW plans.]
  5. Elevate Lagoon Pond Road, Beach Rd. and Water Sts. Interim protection may be the proposed harbor berm system. Use recent storm-tide pathways study as an initial guide.
  6. Begin discussions with the SSA on the future of the port facility and planning for sea-level rise. It is time to plan for the relocation of the SSA.
  7. Open discussions with Army Corps of Engineers to: 1. raise the height of the harbor breakwater and 2. Extend Eastville jetty (arguable benefit).
  8. Plan for a sea-level rise of 7'. (In what time period?). Perhaps our planning horizon should be for x' in ten years, x+y' in twenty years, etc.
  9. Identify the top ten infrastructures in Tisbury. See MVP report and discuss.
  10. Review the Disaster Recovery Plan (if we have one).

#### Public Outreach

- Sponsor educational materials/public meetings to inform the public
- Reach out to residents/businesses on Lagoon Pond Rd. to discuss flooding issues.
- Work on making our website more informative
- Suggest deploying re-cycling bins on Main St. and Water St.
- Work with staff in decision-making roles to implement purchasing and other strategies sensitive to climate issues (e.g. minimizing plastic use)

#### Other

- Beyond town properties – what can we do to support residents/business owners to become energy efficient/sustainable?
- How do we promote local car charging stations? Where? How many?
- What are Eversource's plans to harden their infrastructure? Are trees a problem? Should we promote undergrounding of our electric lines? Where to do that first? Town wells?
- Research financial resources to help the town achieve its resiliency goals.
- Remain connected to ongoing planning efforts on the island and beyond.

- Seek clarification of our role from Town Administrator and Select Board. Ultimately projects proposed in town should come before the Climate Committee for review during the vetting process as they do now before Fin Com, Planning Board, etc.