

RESILIENCY UPDATE

Resilience Objectives in the OPR - Minimal Investment

- Plan for severe storms, and warming climate using future climate predictions as well as past climate data
- Protect critical building elements from flooding
- Design for passive survivability in case of power outage (thermal mass, operable windows, passive convection, shade etc.)
- Reuse existing building materials
- Use durable materials
- Utilize locally available building materials, expertise and vernacular solutions
- Use the existing generator (if feasible), or provide battery backup systems
- Storage for non-perishable food storage and water for 1 week and basic first aid
- Include a safe room/storm shelter
- Implement water conservation measures and gravity feed

Resilience Objectives in the OPR - Moderate Investment

- Windows capable of withstanding storm event winds
- Utilize building products and materials that do not off-gas or leach hazardous substances in the event of flooding or fire damage
- Recover and reuse water (Rainwater harvesting and condensate collection) systems shall be Gravity fed if feasible.
- Optimize use of existing stormwater pond
- Consider lake on generator powered pump
- Consider redundant electrical service
- Consider backup communications and connectivity during outages

Resilience Objectives in the OPR - Advanced Investment

- Optimize use of on-site renewable energy systems
- Provide battery backup systems
- Consider redundant water supplies or on-site water storage
- Consider alternative for handling human waste (i.e. composting toilets)
- Provide some uninterrupted power supplies for critical functions