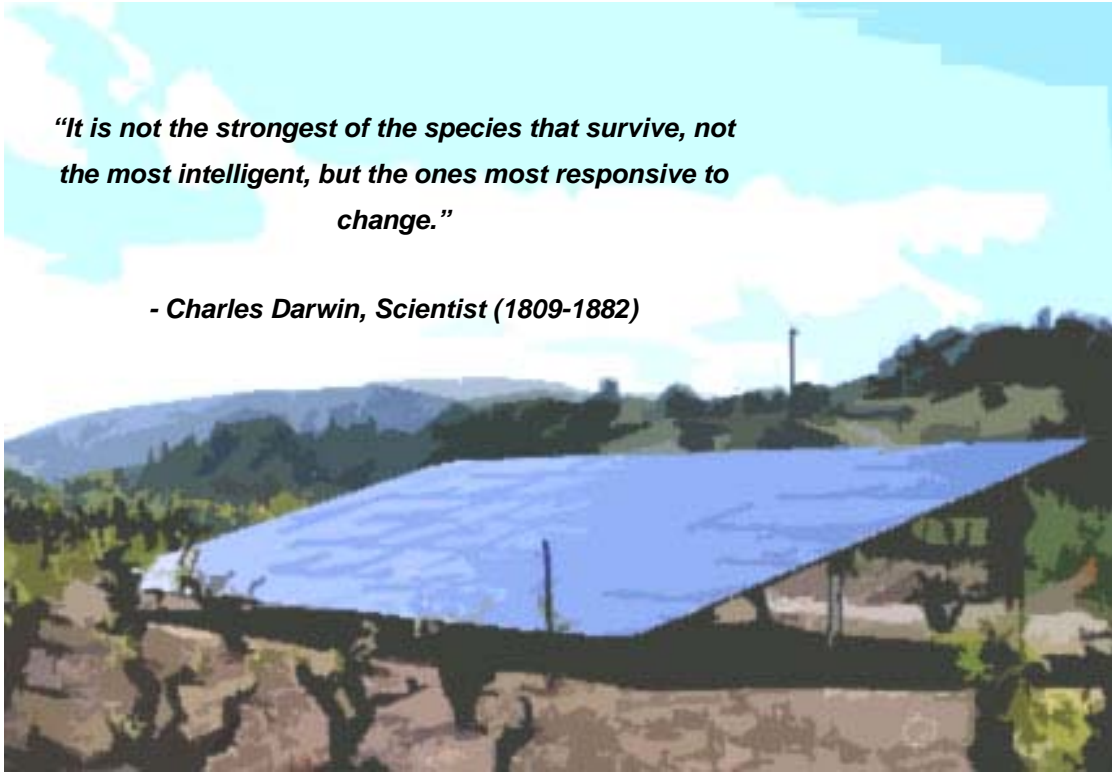


"It is not the strongest of the species that survive, not the most intelligent, but the ones most responsive to change."

- Charles Darwin, Scientist (1809-1882)



CHAPTER 8: SUSTAINABILITY

8.1 Sustainability (Green Building, etc.)

Sustainability is a practice of minimizing the overall impact that humans have on the environment. Keyport has not historically pursued sustainable options for the built environment, energy, or infrastructure development methods. Sustainability in Keyport can utilize the surrounding renewable natural resources and reduce the energy costs of the residents. These proposals would make Keyport more independent from centralized energy systems and promote a lower impact on resources located outside the community.

Proposals for the Implementation of Sustainability in Keyport

Various methods of sustainability are proposed for the Keyport community.

- Promote Low Impact Development (LID) stormwater practices including bioretention swales, rain gardens, permeable sidewalks, and green roofs.

- Promotion of low water usage fixtures, drought tolerant landscaping, gray water reuse, and aquifer recharge solutions for projects within Keyport
- Encourage installation of low energy usage (fluorescent or LED) lighting for all street lighting, Port lighting, and public property lighting
- Encourage solar, wind, and renewable energy generation installation on public and private property within Keyport
- Pursue grant opportunities for Green Communities or for maintaining a sustainable community

New developments within Keyport can utilize green building practices, which lower the impact on the environment. The expansion of the Port of Keyport can incorporate alternative energy generating energy from the tidal and wave movements in Ne Si Ka Bay.

8.3 Sustainability Goal & Policies

Goal 22 Encourage sustainable practices and green building in Keyport.

Policy Key-41 Implement Low Impact Develop Standards for Keyport Stormwater development and improvements as allowed under state and federal requirements.

Policy Key-42 Promote Solar, Wind, Tidal, Wave Generation and other renewable energy generation to serve the Keyport Community.

Policy Key-43 Promote installation of energy efficient fixtures (both electric & water based)

Policy Key-44 Promote U.S. Green Building Council's; Leadership in Energy & Environmental Design (LEED) silver certification standards for all future public buildings in Keyport.

8.4 Key Projects for Sustainability in Keyport

Port of Keyport Energy Pilot Project

The key catalyst project to assist bringing sustainability to Keyport would involve including renewable energy solutions of solar, wind, tidal, and/or wave generation power infrastructure to the community Keyport community through future Port of Keyport expansion. The Port, as a public entity, would qualify for grants and public resources in this energy generation project and serve as a potential test bed for implementation of these technologies with commercial and residential applications. The independent generation of electricity for the Port would allow the port to continue to operate in emergencies independent of the status of the electrical grid as well as providing opportunities for increased revenue through excess generation capacity.