



# Governor's Action Team on Energy and Climate Change

## *State of Florida*

### **DRAFT**

### **Catalog of State Adaptation Actions**

A catalog of state-level, vulnerability-reducing adaptation actions and policy options.

The framework for this catalog is based on a report titled "Florida's Resilient Coasts: A State Policy Framework for Adaptation to Climate Change." The framework report suggests five principles to guide state policy development and adoption: a disciplined, comprehensive, purposeful, strategic, and efficient approach. In addition, this catalog drew from work done in Maryland, North Carolina, Washington, Queensland, Australia, and the 4<sup>th</sup> IPCC report. Criteria for evaluating the draft policies listed below are to be determined by the Technical Work Group (TWG).

Citing the "Miami Dade Task Force Statement on Sea Level in the Coming Century," scenarios for sea level rise (SLR) range as follows:

"Unfortunately, it looks as though sea level in the coming century will rise significantly more than two feet. With what is happening in the Arctic and Greenland, many respected scientists now see a likely sea level rise of at least 1.5 feet in the coming 50 years and a total of at least 3–5 feet by the end of the century, possibly significantly more (calculations used are provided at end of statement). Spring high tides would be at +6 to +8 feet. This does not take into account the possibility of a catastrophically rapid melt of land-bound ice from Greenland, and it makes no assumptions about Antarctica."

When reviewing the draft catalog, please note that the text in black reflects the initial framework from the FAU Bollman report that the TWG used as a starting point. Text in blue reflects modifications and/or additions suggested during the TWG's second teleconference meeting. Text in green reflects other additions put forward for the TWG's consideration.

The following are examples of potential adaptations that are in the catalog. The entire catalog is 50 pages long and contains hundreds of potential adaptation options.

ADP-5	BUILT ENVIRONMENT, INFRASTRUCTURE AND COMMUNITY PROTECTION					
5.1	Building Codes and Regulations					
	Review State Building and Design Codes to promote resiliency of communities, to mitigate storm and flood damage.					
	Update building codes, design standards to include setback zones and phased-out or no development in exposed areas					
	Create incentives for individuals and businesses to reduce risk of losses due to climate through building design codes					
	Strengthen building codes and increase building inspection frequency					
	Manage storm water onsite, utilize low-impact development techniques, or prohibit construction in the 100-year floodplain.					

ADP-9	EMERGENCY PREPAREDNESS AND RESPONSE (EXTREME EVENTS)					
	Include SLR data in hurricane preparedness, evacuation and recovery plans					
	Review the goals, strategies and plans of emergency preparedness, response and recovery data in light of heat waves, migrating disease vectors, SLF and storm surges.					
	Add climate change on official Florida Mitigation list.					
	Consider emergency preparedness to stock creeks with fish post-storm and flooding instances.					
	Heat Emergency Task Force to review emergency management planning requirements and guidelines for heat waves and emergency preparedness exercises.					
	Appropriate statewide drought management strategies that account for evolving drought risks in a drier climate.					
	Early warning systems for extreme events					