

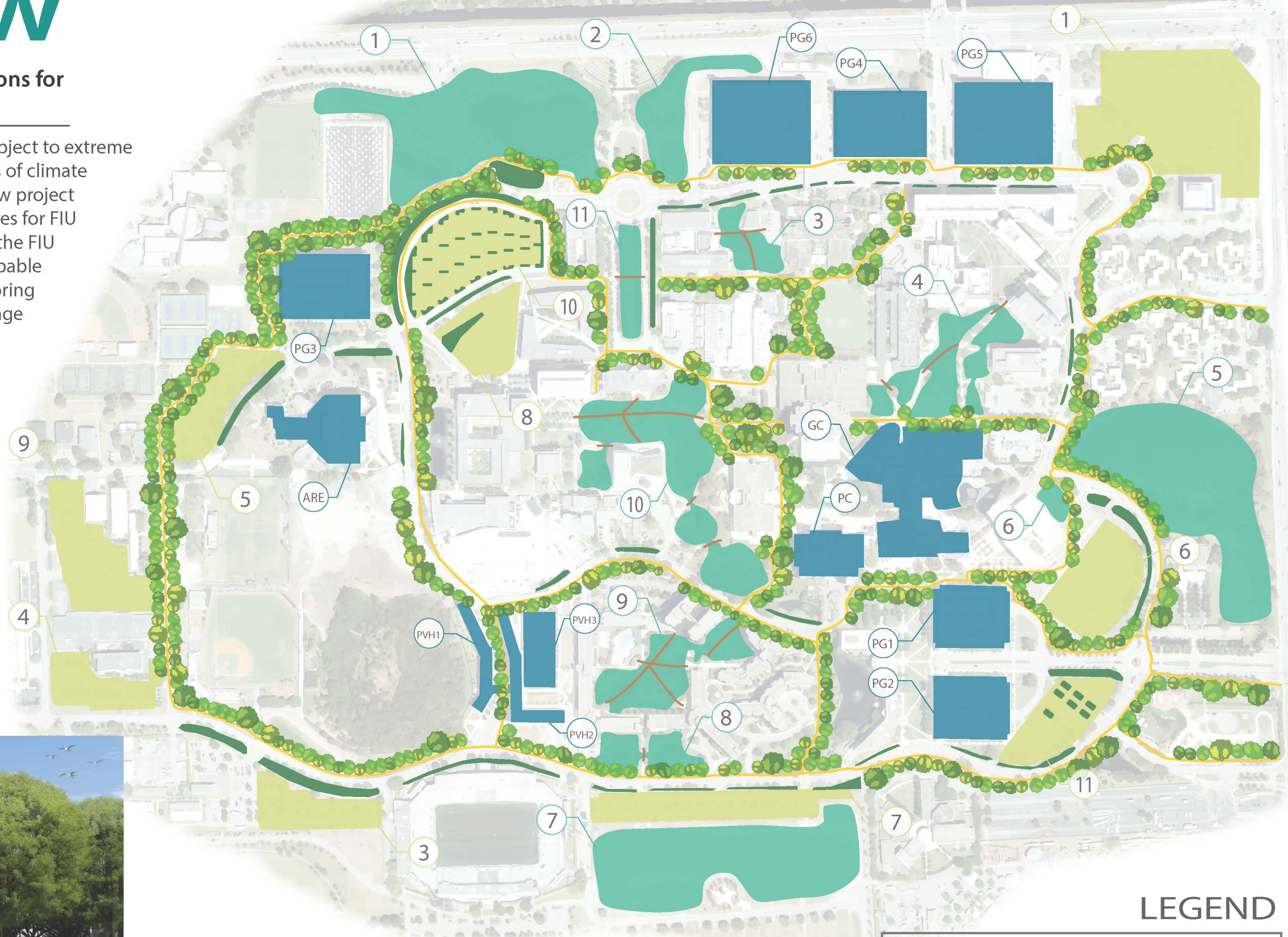
# EcoFLOW

## Sustainable and Smart Stormwater Solutions for Future Generations of South Florida

Located in the South Florida region, FIU-MMC is subject to extreme environmental stressors associated with the effects of climate change and rapid urban development. The EcoFLOW project proposes innovative green infrastructure alternatives for FIU that address major sustainability goals outlined in the FIU Master Plan. Together, the various solutions are capable of enhancing water quality, mitigating floods, restoring natural habitats, reducing runoff, maximizing storage capacity, and reusing captured rainwater.




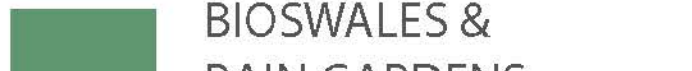


### GOALS ACCOMPLISHED:

- Flooding mitigated for a 25-year return period
- Peak flow reduction of 8.4%
- 21% reduction in impervious area
- Reduces potable water use for irrigation by 31.2 million gal/yr
- 96% increase in tree canopy coverage
- 141,707 lb CO<sub>2</sub> sequestered annually



Example of proposed vertical gardens, permeable walkway, bioswales and rain gardens, and urban tree canopy

### LEGEND

	ARTIFICIAL WETLAND		PERMEABLE WALKWAY
	RAINWATER HARVESTING & VERTICAL GARDENS		BIOSWALES & RAIN GARDENS
	PERMEABLE PARKING LOT		ELEVATED WALKWAY