

Bahamas Updated Building Codes and Coastal Infrastructure Design Guidance									
Name of legal entity	Country	Overall project value (US\$)	Proportion carried out by candidate (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of partners if any	
Sustainable Seas Ltd	Bahamas	200,000	15%	1	Ministry of	the Inter-	February 2022	Mott MacDonald	
					Public Works	American Development Bank (IDB)	December 2022	IBS	
Detailed description of project					Type of services provided				
The archipelago of the Bahamas consists of 700 small low-lying islands, with 80% of land					Jonathan McCue on behalf of Sustainable Seas Ltd was appointed the role as				
below sea level. The Bahamas is dominated by coastal and marine environments which is					coastal processes specialist/engineer, in which he offered expertise as part of a				
a key element in the identity and economy of the Bahamas. It is heavily dependant on the					team to carry out the following activities:				
tourism industry as 45% of its annual GDP is obtained through the industry. The coastal					• Construction of an interception report and work plan, the work plan includ- ed a methodology devised to satisfy the deliverables using allotted re- sources and timeline. The interception report included a stakeholder en- gagement strategy which identified a stakeholder map of priority stake- holders to be consulted.				
and marine environments also provide many other benefits to human well-being such as									
coastal protection and carbon sequestration. However the Bahamas is highly vulnerable									
to natural disasters such as hurricanes which are generally coupled with severe coastal									
flooding and erosion. A national sea level rise of 1m would put 36% of tourism properties									
at risk. In order to address this issues the GOBH needs improved access to baseline data					• An assessment of current national framework for building construction, which involved the review and comparison analysis of the BBC 2003, Con- struction Manual for Small Building sand the IBC 2018, Florida Building Code 2017 with respect to the legal and policy framework. Along with a production of an assessment report of the findings.				
in addition to strategic level studies that set out policies and holistic management plans .									
As part of Component 3 (Institutional strengthening for Coastal Risk Management) of the									
broader Climate-Resilient Coastal Management and Infrastructure Program (BH-L1043),									
the aim of this consultancy is to design and updating of policy and planning tools (i.e.,									
SMPs, building codes, coastal and natural infrastructure design guidance) to improve and					 Assessment of current framework for coastal infrastructure and recommen- dations which included evaluation of existing methods in Bahamas along with recommendations of new methods. 				
coordinate routine planning exercises for reducing coastal risk and vulnerability									
It consists of 3 related sub-objectives: carry out a comprehensive assessment and compar-									
ative analysis of the contents of both the BBC 2003 and other global standards: incorpo-					• Development of an updated building code with coastal infrastructure de- sign guidance which incorporated coastal infrastructure guidance for de- velopment and implementation along with recommendations.				
rate appropriate coastal climate hazard exposure and risk, inclusive of design guidance for									
coastal infrastructure along with clarified inspection guidelines and incorporate appropri-									
ate adaptation standards or guidelines to improve climate resilience; adaption of stand-					• A final stakeholder consultation, including public authorities, engineers and				
ards to complement the Persons with Disabilities. The guidance provided in this project					other stakel	other stakeholders.			
will be designed to assist public authorities and private clients when commissioning and									
approving coastal studies and works.									