

# Thank you for your interest in this ECLAC publication



Please register if you would like to receive information on our editorial products and activities. When you register, you may specify your particular areas of interest and you will gain access to our products in other formats.





## **Project Documents**

# Climate action guidelines 2022—2030

City of Belmopan, Belize

Indhira De Jesús



This document was prepared by Indhira de Jesús, consultant with the Sustainable Development and Human Settlements Division of the Economic Commission for Latin America and the Caribbean (ECLAC), under the supervision of Diego Aulestia, Chief of the Human Settlements Unit, and the coordination of Estefani Rondón Toro, Research Assistant, both of the same Division. It was prepared as part of the activities of the United Nations Development Account project 1819AJ, "Coordination, coherence and effectiveness for implementing the environmental dimension of the 2030 Agenda in Latin America and the Caribbean".

Substantive contributions were received from the Making Cities Resilient 2030 (MCR2030) initiative of the United Nations Office for Disaster Risk Reduction (UNDRR) and the Capital Cities of the Americas Facing Climate Change Secretariat (CC35). Thanks are owed to Natalia Villamizar, Aline Lusieux and Ana Carola Terrazas of MRC2030, Verónica Arias of CC35, and Juan Herrera Jiménez, consultant with the Sustainable Development and Human Settlements Division, for their comments, reviews and contributions to the document. Special thanks are extended to Ludwig Palacio, Moren Pooransingh and the Belmopan City Council for their support in the development of the Climate action guidelines.

The views expressed in this document, which has been reproduced without formal editing, are those of the authors and do not necessarily reflect the views of the Organization or the countries it represents.

The boundaries and names shown on the maps included in this publication do not imply official endorsement or acceptance by the United Nations.

United Nations publication LC/TS.2022/129 Distribution: L Copyright © United Nations, 2022 All rights reserved Printed at United Nations, Santiago S.22-00678

This publication should be cited as: I. De Jesús, "Climate action guidelines 2022-2030: city of Belmopan, Belize", *Project Documents* (LC/TS.2022/129), Santiago, Economic Commission for Latin America and the Caribbean (ECLAC), 2022.

Applications for authorization to reproduce this work in whole or in part should be sent to the Economic Commission for Latin America and the Caribbean (ECLAC), Documents and Publications Division, publicaciones.cepal@un.org. Member States and their governmental institutions may reproduce this work without prior authorization, but are requested to mention the source and to inform ECLAC of such reproduction.

## **Contents**

Pres	entat	ation	5		
Abst	ract.		7		
Intro	duct	tion	9		
I.	The city of Belmopan				
	A.				
	В.	<b>5</b> .			
	C.	Socio-economic context	13		
		1. Population	13		
		2. Demographics	13		
		3. Employment	13		
		4. Education	14		
		5. Health			
		6. Intangible cultural assets			
	D.	Urban services and infrastructure	14		
		1. Electricity	•		
		2. Drinking water, wastewater, and stormwater drainage			
		3. Transportation and mobility			
		4. Solid waste management	•		
		5. Green infrastructure	•		
		6. Land use	18		
II.	De	eveloping a Climate Action Guideline	21		
III.	Clir	imate governance	23		
IV.	GH	HG inventory	25		
V.		imate related risks	_		
••	A. Stakeholder vulnerability mapping				

VI.	Belr	nopan City Council's strategic vision	31		
VII.		nate actions			
	Α.	Mitigation actions			
	В.	Adaptation actions			
	C. Cross-cutting activities		_		
VIII.	. Conclusions and next steps				
Biblio	grap	hy	41		
Table	:S				
Table	1	Mitigation actions	34		
Table 2		Adaptation actions			
Table 3		Cross-cutting activities			
Figur	e				
_					
Figure 1		Climate in Belmopan	13		
Diagr	ams				
Diagram 1		Climate Action Guidelines process for Belmopan	21		
Diagram 2		Main sources of GHG emission and percent contributions by sector	25		
Maps	;				
Map :	1	Location of Belize in Central America and Belmopan in Belize	12		
Map 2	2	Flood prone areas in Belmopan	29		
lmag	es				
Image		Drinking water storage tank	15		
Imag		Squatters in the Salvapan neighborhood lack piped water			
- 9		and sanitation services	16		
Image 3		Stormwater drainage system plays a critical role in flood prevention			
Image	_	Belmopan's new transfer station			
Imag		Large green spaces are key features of the original city plan			
Image		Climate Action Guidelines inception workshop at City Hall	22		

#### Presentation

Climate change is a global phenomenon that greatly impacts urban life. In Belize, national reports indicate that climate change is already having significant impacts on the territory, population, and key economic sectors. Long droughts, floods, increased coastal erosion, and changing precipitation patterns are the main impacts registered to date, and in the future, these effects are expected to increase.

The City of Belmopan is a city that was designed as a response to natural disasters, to ensure the country would have a functioning capital despite the storms, even before climate change was an issue in our collective minds. Now, Belmopan is facing the challenges of rapid urban growth, combined with those of climate change.

The Climate Action Guidelines, formulated by the City Council, with support from the United Nations Economic Commission for Latin America and the Caribbean (UN-ECLAC), Making Cities Resilient 2030 (MCR2030), of the United Nations Office for Disaster Risk Reduction (UNDRR), and Capital Cities of the Americas facing Climate Change (CC35), will provide a roadmap for addressing climate change. This is our first Climate Action Guidelines document, and we find that there is little data and information disaggregated at the local level.

Our guidelines emphasize no-regret actions and actions that have potential co-benefits. Belmopan must find innovative ways to leverage our strengths to promote clean and sustainable economic growth, while increasing the resilience of our communities.

Miss Sheran "Sharon" Palacio Mayor of Belmopan



https://www.yunbaogao.cn/report/index/report?reportId=5\_31638

