Smart, Safe Growth for the CNMI

Guidance Manual – Introduction and Uses





Nimbus Environmental Services

Training Module 3 19 – 21 July 2022

Purpose – Overview of the Guidance Manual for Smart, Safe Growth (SSG)

- Help users understand the organization of the Guidance Manual for SSG
- Serview tools and resources provided to implement SSG

Learning Objectives

- **Guidance Manual organization**
- Mow to access and use the information to integrate SSG into agency or company work products

Learning Tool

Smart, Safe Growth Guidance and Recovery and Hazard Mitigation Planning for the CNMI 19 – 28 July 2022

Training Module 3 – The *Guidance Manual for SSG* Handout 1 Chapter Organization

Instructions: Fill in the blank to complete the chapter titles. Write notes below each chapter for information that is most important to you and your work.

Chapter 1.0 – Manual _____

Chapter 2.0 – Smart, _____ Growth

Chapter 3.0 - _____

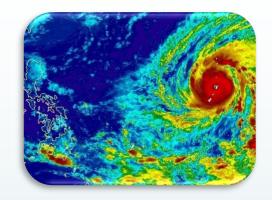
1 | Page

Smart, Safe Growth Guidance and Recovery and Hazard Mittgation Planning for the CNMI 19 – 28 July 2022

Instructions: Draw a line between the chapter and the topics covered in each chapter				
Chapter 1.0	1. Climate change adaptation strategies			
Chapter 2.0	2. Regulations review summary			
Chapter 3.0	3. Master bibliography			
	4. Manual overview			
Chapter 4.0	5. Information, tools and resources to work toward SSG			
Chapter 5.0	 Recommendations to adopt climate change policy. 			
Chapter 6.0	7. SSG emerges from the intersection of			
Chapter 7.0	3 areas of practice			
Appendix A	8. Summary review of CNMI planning documents			
Appendix B	9. Key Terms defined			
Appendix C	 Tool to evaluate planning and development initiatives for SSG conformance. 			
Appendix D	11. Complete Regulations review for conformance with SSG			
Appendix E	12. Evaluation of selected resources for conformance with SSG			
Appendix F	13. 2018 SSG Workshop proceedings			
5 Page				

Introduction

- A new way to plan to plan and develop
- SSG = development tools
- SSG = improved resiliency
- SSG = sustainability
- SSG aligns with values in the Comprehensive Sustainable Development Plan





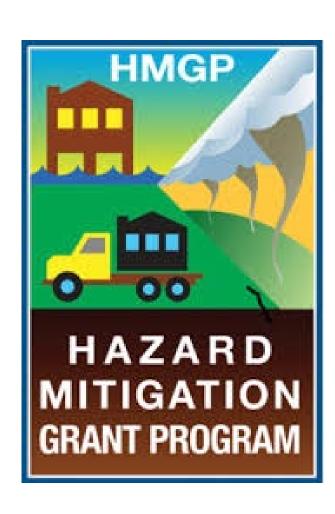














Climate Adaptation

Manual Organization

- General Chapter 1.0 Introduction
- Schapter 2.0 Smart, Safe Growth
- Schapter 3.0 Climate Conditions
- Source Chapter 4.0 Recommended Government Actions
- Schapter 5.0 CNMI Planning
- Schapter 6.0 Regulations
- Schapter 7.0 SSG Implementation Tools
- Appendices A-F



Chapter 1.0 - Manual Purpose

- Useful tools and information
- **S** Reduce burdens of recovery
- **Solution Set 5 Se**
 - Solution Climate adaptation measures
 - Second Actions for government action
 - Second Planning resources
 - Segulatory instruments
 - 5 Tools

Chapter 1.0 - Primary Users

- Segulatory Authorities, Agency Staff, and Government Planning Officials
- SSG provides framework for consistent work toward sustainability
 - Technical reviews
 - In Planning document updates
 - Ideas/language to advocate for sustainability w/public
- Additional research for SSG applications

Chapter 1.0 - Other Users

- Project developers and consultants
 - Sustainable and resilient project plans
 - Solution of the second seco
 - Incide the sustainable
 Incide the sustainable
- Sustainability practitioners and researchers and the general public
 - Makes tools and information accessible
 - Sesource to help community-led efforts

Activity - How will you use SSG and how will the manual help you?

- Seview of plans / projects
- Project design
- Plan development
- Ideas/language to advocate for sustainability
- Additional research for SSG applications
- **•** Other functions???

Smart, Safe Growth Guidance and Recovery and Hazard Mitigation Planning for the CMMI 19 – 28 July 2022

Training Module 3 – The *Guidance Manual for SSG* Handout 2 How Will You Use *SSG* and how will the *Guidance Manual help*? Activity Time: 5 Minutes

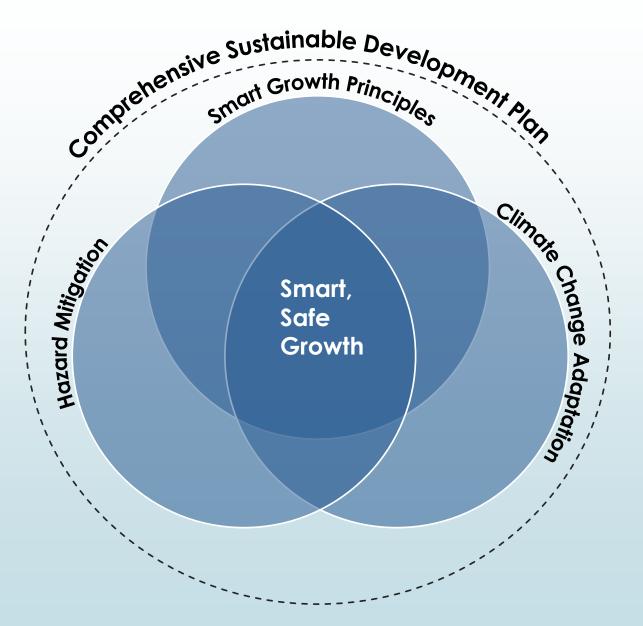
<u>Instructions</u>: In your current job think of how you might integrate *SSG* into your work and how you might use the Guidance Manual to assist you. Write down your answer and be prepared to share with the group.

Answer:

How will others in the group use the *Guidance Manual*? List answers:

Chapter 2.0 -Smart, Safe Growth

- Segulations and economic incentives are the "builders"
- CNMI CSDP establishes the "blueprint"



Chapter 3.0 - Climate Conditions

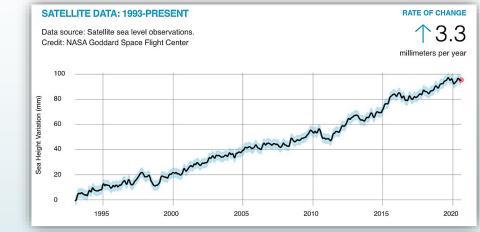
Extreme Temperatures





Increased Wave Action

Sea-Level Rise



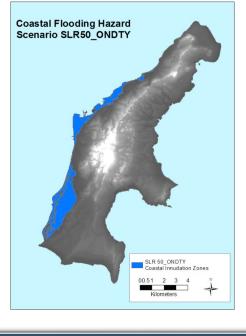


Extreme Rainfall

Chapter 3.0 – Climate Adaptation Strategies

Adaptation Strategy	SSG Principles	Benefits
Respond (evacuate or shelter)	P4	Critical facilities, such as shelters and hospitals, in safe locations maximizes public safety and community recovery.
Manage development and redevelopment	P1, P2, P4, P5, P6, P8, P9, P10, P11, P12	Managed development and redevelopment decisions can reduce community vulnerability to natural hazards and lower the impacts of climate change.
Improve structural resistance	P1, P3, P6, P9, P11, P12	Increases resiliency of existing structures and reduces damage and recovery costs.
Promote natural protective features	P1, P5, P7, P8, P12	Key natural resources and protective features buffer and protect the built environment from weather impacts (e.g., barrier reef reduces wave energy and helps buffer the impacts of wave run- up).

SSG Principles: P1- Climate Change; P2 – Retreat; P3 – Retrofit; P4 – Critical Facilities Location; P5 – Development Initiatives; P6 – Sustainable Development BMPs; P7 – Ecosystem Services; P8 – Green Infrastructure; P9 – Development Decision Process; P10 – Early Collaboration; P11 – SSG Knowledgeable Communities; P12 – Adaptive Management





Chapter 4.0 -Government Actions

- Adopt climate change policy
- Sevise regulations
- Adopt long-range planning and funding horizons
- **Fund and implement SSG**
 - Office of Planning and Development
 - Sesilience Working Group
 - GIS User's Group

Chapter 5.0 - Planning Resources

- Office of Planning and Development
 - Promote Sustainable Development and SSG
 Implementation
 - Substitution of the sector of the sector
 - Agency coordination
 - Sesource Allocation and Use
- Planning Document Reviews



Chapter 6.0- Regulatory Resources

- Summary of SSG-relevant regulations
- Overlap with the Comprehensive Sustainable
 Development Plan (CSDP)

Chapter 6.0- Regulatory Resources

5 Zoning

✓ SSG Principles into land use planning.

Proactively works toward SSG

Ø Permitting

- Seview process SSG compliant?
- Seview criteria to drive sustainability and SSG

Chapter 7.0 – SSG Implementation Tools

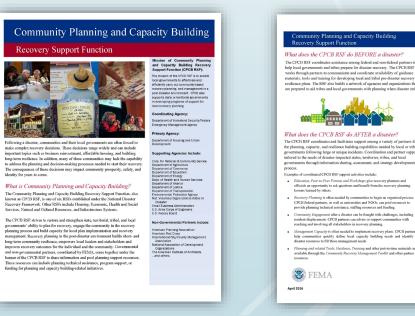
- **J** Tools and resources for CNMI
 - Utilities Design, Engineering, and Construction
 - Jand Use Management
 - Sector Post-Disaster Recovery
 - Funding
 - Gapacity Building
 - Gommunity Engagement

Tool Name	Tool Summary	
Capacity Building Tools		

Enhanced capacity building

- Incorporate SSG concepts in high school and college curricula.
- Coordinate local capacity building efforts among agencies, professional organizations, extension groups, and others.
- Utilize the FEMA Local Capacity Building Support Catalog that contains resources useful to local governments recovering from severe disasters. It is a compilation of time sensitive and ongoing training, toolkits, and technical assistance offered by 40 federal and state departments, professional and trade associations, and national nonprofit organizations. The catalog's purpose is to help local governments address knowledge and capacity gaps in disciplines necessary for long-term recovery. Most of the offerings are free or low cost.

https://www.fema.gov/media-library/assets/documents/160154



Related Resources:
 Manuel Resources

Does your community have a continuity of operations plan? Continuity Planning & Templates http://www.fema.gov/planning.templates

Activity – Stormwater Management – Case Study from Takpochau Watershed

- Seview case study
- Second SSG strategies/tools/solutions

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Training Module 3 - The *Guidance Manual for SSG*

Handout 3

Case Study – Stormwater Management Activity Time: 30-45 minutes

Instructions: Break into groups of 2-4.

1 | Page

- Discuss the issues identified as contributing to the impairment of the freshwater streams, as indicated in the Case Study (pg 2).
- Consult Chapter 7.0 of the Guidance Manual to find tools and resources that may help planners and/or project developers evaluate actions for stormwater management to help improve stream water guality in this watershed.
- Write down your group's recommendations on the lines below and the resouces or tools that support the recommendation(s).
- 4. Be prepared to share your finding with the other groups.

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Case Study - Central West Takpochau - Fresh Water Streams

The 2020 CNMI 305(b) and 303(d) Water Quality Assessment Integrated Report states that Central West Takpochau streams are 303(d) listed as impaired due to the presence of mercury (Hg) contamination sourced back to the hospital parking area drainage. Furthermore, previous water quality data exceeded the CNMI Water Quality Standard for Enterococci bacteria. The source of the bacteria is thought to be from urban stormwater and sewer overflows, erosion and sediment, and piggeries and other small animal pens in the upper watershed that are in close proximity to the streams. Due to the water quality of these streams, the following designated uses (DU) are not recommended for these streams. *Fish and Shellfish Consumption and Recreational.*



FIGURE 1. Central W. Takpochau Watershed (Segment 19B) (Source:2020 CNMI 305(b) and 303(d) Water Quality Assessment Integrated Report, pages 140 and 144.)





Appendix A - Checklists

				Plan	ning		ual for Smart, Safe Growth Northern Mariana Islands	
	С	NM	Sm	art, Safe Growth (SSC Government Fa	 Checklist for Review acilities, Commercial, 	w of Planning Docume Residential	ents— v. 2018 10 07	
Plan Name:					Preparer:			
Planning Category:								
	SSC Con	G N pil la	nt	Noted Deficiency(les)	Relevant Regulation(s)	Relevant Literature	Recommended Corrective Action(s)	
Climate Adaptation (88G P1)								
 Does the pien consider long-term climate change impacts to design and cost determination for structures and site infrastructure in the following areas: 								
a. Sea-level rise	Yes	No No	D NA					
b. Coestal inundation/erosion		D No	D N/A					
c. Increased tropical cyclone intensity	Yes	No	NA					
 Change in precipitation patterns (drought/flood potential) 		D No	NA NA					

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				Devel	opment		аг. гой Smaltt, Safe Geowys Noethern Maesana Iblandi
	CN	IMI	Sma) Checklist for Review cilities, Commercial,	v of Development Proj Residential	ects v. 2018 10 07
Project Name: Location: Development Category:					Proponent: Value: Description:		
	SS(Cor	3 npilla	int	Noted Deficiency(les)	Relevant Regulation(s)	Relevant Literature	Recommended Corrective Action(s)
Climate Adaptation (3-8G P f) 1. Does project consider long-term climate						1	
change impacts in the following areas:							
 Sea-level rise 	Yes	No	NA				
b. Coestal inundation/erosion	Yes	D No	NA				
c. Increased tropical cyclone intensity	Yes	D No	NA				
 Change in precipitation patterns (drought/flood potential) 	Yes	No	NA				

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Appendix B – Regulation Review

	C	NMI Smart, Safe	Growth (SSG) Guidanc	e – Relevant Regulations				
Table B.1 Review and Summary of CNMI Regulations for Conformance with SSG Principles								
				Conformance with SSG Principles ¹				
Chapter Title	Subchapter Title	CMC Title / Section(s)	Statute Title (Public Law #)	Strengths	Deficiencies			
Bureau of Environme	ental and Coast	al Quality – Titles 15	and 65					
Coastal Resources Management Rules and Regulations 15-10	N/A	1 CMC §§ 2081-2082 2 CMC §§1501-1543	Coastal Resources Management Act of 1983 (PL 3-47)	P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12				
Aboveground Storage Tank Regulations 65-5	N/A	1 CMC §§ 2646-2649 2 CMC §§ 3101-3134	Commonwealth Env. Protection Act of 1982 (PL 3-23)	Ρ4	P1, P2, P3, P5, P6, P7, P8, P9, P10, P11, P12			
Air Pollution Control Regulations 65-10	N/A	u	u	Not Applicable	Not Applicable			
Drinking Water Regulations 65-20	N/A	u	ĸ	P1, P2, P3, P4, P6, P9, P10, P11, P12	P5, P7, P8			
Earthmoving and Erosion Control Regulations 85-30	N/A	u	μ. 	P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12				
Harmful Substance Clean Up Regulations 65-40	N/A	u	ű	Not Applicable	Not Applicable			
Hazardous Waste Management Regulations 65-50	N/A	H	ĸ	Not Applicable	Not Applicable			
Litter Control Regulations 65-60	N/A	u	ű	Not Applicable	Not Applicable			
Pesticide Regulations 85-70	N/A	u	н	Not Applicable	Not Applicable			

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GUIDANCE MANUAL FOR SMART, SAFE GROWTH OMMONWEALTH OF THE NORTHERN MARIANA ISLANDS

REGULATION EVALUATION for CNMI SSG

Administrative Agency: BECQ, Division of Coastal Resources Management (DCRM)

Regulation: Title 15-10 Coastal Resources Management Rules and Regulations

Description: Enabled by Public Law 3-47, the Coastal Resources Management Act of 1983, DCRM's regulations are intended to balance wise use and conservation within the CNMI. The 1983 legislation articulated twenty-three policy goals for coastal resource management that range from planning, education, and inter-agency coordination to permitting and enforcement. Title 15-10 established the rules and regulations that govern practice and procedure within the federally approved CRM program and establish procedures and set standards for the DCRM in implementing its responsibilities, as approved by the National Oceanic and Atmospheric Administration's office of Coastal Resources Management. Where they may conflict these regulations supersede the zoning requirements for any project or proposed use from the high tide line to 150 feet inland from the line. Nothing in this title prohibits DCRM from imposing an additional buffer zone to protect environmentally sensitive resources as appropriate regardless of any zoning or building regulations pertaining to setbacks and buffer zones. Mandatory vegetative buffers for wetlands are established in 15-10-330, while de facto buffers are established for shorelines under management standards and use priorities in 15-10-335.

Title 15-10 establishes permitting requirements for 3 types of CRM permits; temporary permits for emergency repairs, permits for major sitings, and Areas of Particular Concern (APCs). APCs include Lagoon and Reefs, Managaha and Anjota Islands, Coral Reefs, Wetlands and Mangroves, Shorelines, Ports and Industrial Areas, and Coastal Hazards, Permits are required of a proposed development wholly or partially within an APC which as or is more likely than not to have an adverse impact on an APC unless mitigated, or which constitutes a major siting under Section 15-10-501. Impact Avoidance, Minimization, and Mitigation are required for all developments. Permits are also required as early action for flood zone risk reduction through 3 measures: 1) When a major siting proposal falls within a coastal hazard APC of FEMA designated AE/AO flood zone DCRM is required to coordinate with the Zoning Office and DPW at the earliest possible time to ensure relevant flood hazard reduction standards are met; 2) Soft measures must be considered as alternatives to hard structures to limit coastal erosion; and 3) Implementation of green infrastructure elements and related best management practices must be considered for development projects in listed high priority watersheds with designated conservation management plans including Garapan, Laolao, and Talakava.

The permitting process is detailed including fees, conditions, and enforcement. There is no fee for government agencies engaging in government projects, and APC application fees may be reduced for beneficial projects or in cases of financial hardship upon request. Fees for Major Siting projects are based upon appraisal of construction costs. Tiered discounted fees are available for qualifying "green" and /or "low impact development" projects based on "LEED Certifiable" building design and construction and, for Best Management Practices (BMP) for redevelopment and rehabilitation of existing buildings. General criteria considered for CRM permit application evaluations includes: 1) the ability to accommodate future climatic change, determination whether a reasonable alternative site exists for the proposed project; 2) effect on existing public services; 3) setbacks from hazardous lands including floodplains, erosion-

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Appendix C – Master Bibliography

GUIDANCE MANUAL FOR SMART, SAFE GROWTH

CNMI Smart, Safe Growth (SSG) Guidance - MASTER BIBLIOGRAPHY

- Adger, W. N. (2003). Social capital, collective action, and adaptation to climate change. *Economic Geography*, 79(4), 387–404.
- Adger, W. N., Dessai, S., Goulden, M., Hulme, M., Lorenzoni, I., Nelson, D. R., ... Wreford, A. (2009). Are there social limits to adaptation to climate change? *Climatic Change*, 93(3–4), 335–354.
- Allied Pacific Environmental Consulting. (2016). Saipan Lagoon use management plan user survey and mapping report (pp. 50). Saipan, MP: Bureau of Environmental and Coastal Quality, Division of Coastal Resources Management.
- American Planning Association. (2010). Hazard mitigation: Integrating best practices into planning (No. 560) (pp. 156). Chicago, IL.
- AmeriCorps Volunters in Service to America. (2016). Federal funding for resilience projects. AmeriCorps.
- Anderson, C. L. (2012). Analysis of integrating disaster risk reduction and climate change adaptation in the US Pacific Islands and Freely Associated States (No. 201105) (pp. 38). Honolulu, HI: National Oceanic and Atmospheric Administration Climate Program Office, Pacific Regional Integrated Science and Assessment.
- Apidae Development Innovations Pty Ltd. (2015). Pacific Islands framework for action on climate change 2006-15, Final evaluation (pp. 75). Apia, Samoa: Secretariat of the Pacific Regional Environment Programme.
- Arriola, J., Camacho, R., Chambers, D., Derrington, E., Kaipat, J., Okano, R., & Yuknavage, K. (2016). 2016 Commonwealth of the Northern Mariana Islands 303 (d), 305 (b) and 314 water quality assessment integrated report (pp. 140). Saipan, MP: Bureau of Environmental and Coastal Quality.
- Arthur D. Little International, Inc., Chase Manhattan Asia Limited, Lyonnaise Marianas America, Inc., & Winzler & Kelly Consulting Engineers. (1988). Plan for the Commonwealth of the Northern Mariana Islands, September 1998: CNMI seven-year strategic development plan, executive summary (pp. 37). Saipan, MP: CNMI Government.
- Arthur D. Little International, Inc., Chase Manhattan Asia Limited, Lyonnaise Marianas America, Inc., & Winzler & Kelly Consulting Engineers. (1998). Draft report for the Commonwealth of the Northern Mariana Islands, July 1998: CNMI Seven-year strategic development plan: Appendix B - capital improvement plan (pp. 170). Saipan, MP: CNMI Government.
- Bickel, A. (2012). Talakhaya/Sabana Conservation Action Plan (pp. 74). Saipan, MP: Bureau of Environmental and Coastal Quality, Division of Environmental Quality.
- Boyd, A., Hokanson, J. B., Johnson, L. A., & Topping, K. C. (2017). Planning for post-disaster recovery: Next generation (No. PAS Report 576). Washington, DC: The American Planning Association.



Climate Change Vulnerability Assessment For the Island of Saipan, CNMI

January 2014

Appendix D – Evaluations of Selected References

No. Document Title

Climate Change Adaptation cont'd

(Maynard, McKagan, et al., 2012)

and greater Micronesia

Version I.

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(Maynard Mcleod et al 2012

Initiative Support Program, 2012)

(Greene & Skeele, 2014)

(Micronesia Conservation Trust and US Coral Triangle

CNMI Smart, Safe Growth (SSG) Guidance - Annotated Bibliography

are the average of 9 framework variables. Twenty-three sites had

high resilience, nine had medium, and three had low. Sites with the highest resilience, relative to other sites surveyed, had high coral

model outputs, thermal stress events are expected to increase across Micronesia. Reef resilience rankings were coupled with

model outputs to recommend management actions to support coral reefs and coastal managers working in Saipan. The report provides

a "how-to-quide" to help build the capacity of local resource

actions to improve management while considering climate change

understand the target natural and social resources, and the

community-based climate change vulnerability assessment.

Assessment foci are projected sea level rise and rainfall patterns, the

exposure and sensitivity of Salpan to these changes, and the Island's

capacity to respond. Saipan's western coastal plain is likely the mos

Base should be prioritized for planning efforts. Climate adaptation

planning for Saipan should integrate sea level rise into current and

future flood control studies, public works projects, and assessments

vulnerable. Low lying areas, critical infrastructure, residential and commercial districts, and habitats located within Garapan and Lower

impacts. This guide focuses local knowledge and information to

managers and to address the threat of climate change

diversity, high bleaching resistance and low macroalgae cove

Abstract

Coral reef resilience to climate change in Saipan, CNMI; Presented are the results of field-based implementation of the

Field-based assessments, and implications for vulnerability and future management implications for of coral reefs. Resiliency results are based on 35 sites and scores

into protected area design and management in the frequency of thermal stress events likely to induce or local bleaching Commonwealth of the Northern Mariana Islands (CNMI) over a 20-year period across Micronesia, including CNMI. Based on

09 Integrating reef resilience and climate change vulnerability. Climate models identified thermal variability and the average

10 Climate change adaptation toolkit for coastal communities A step-by-step guide for the development of a Vulnerability

11 Climate change vulnerability assessment for the Island of Summarized are the process, results, and recommendations from a

in the coral triangle: Tool 4 - guide to vulnerability Assessment (VA) and a Local Early Action Plan (LEAP) for climate assessment and local early action planning (VA-LEAP) - change adaptation. The VA-LEAP guides planning for needed

vulnerability to climate change

of proposed development impact

GUIDANCE MANUAL FOR SMART, SAFE GROWTH COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS

DISCOVERED DOCUMENT SUMMARY for CNMI SSG

Document 11

GUIDANCE MANUAL FOR SMART, SAFE GROWTH ONWEALTH OF THE NORTHERN MARIANA ISLANDS

Deficient

Land-use Planning

Recovery Planning Economic Development

Land-use Planning

Resiliency Planning

Recovery Planning

Recovery Planning Economic Development

Infrastructure Developmer

Infrastructure Developmen

CNMI SSG Planning and Development

Applicable/Relevant to

Supports

Resiliency Planning

Resiliency Planning

Land-use Planning

Land-use Planning

Resiliency Planning

Economic Development

Infrastructure Developmen

Economic Development Infrastructure Development Citation: Greene, R., & Skeele, R. (2014). *Climate change vulnerability assessment for the Island of Saipan* (pp. 102). Saipan, MP: Bureau of Environmental and Coastal Quality, Division of Coastal Resources Management.

Abstract: This document summarizes the process, results, and recommendations from a community-based climate change Vulnerability Assessment (VA) conducted in 2012. The assessment focused on projected changes to sea level and rainfall patterns, the exposure and sensitivity of Saipan to these changes, and the Island's capacity to respond to possible impacts. Findings suggest that the villages and infrastructure on Saipan's western coastal plain are the most vulnerable to the effects of sea level rise and possible shifts in rainfall, and that low lying areas, critical infrastructure, residential and commercial districts, and habitats that are located within Garapan and Lower Base should be prioritized as climate change adaptation planning moves forward. The immediate advancement of climate adaptation on Saipan should include the integration of sea level rise considerations into current and future flood control studies, public works projects, and assessments of proposed development impacts.

CNMI SSG Planning and Development:

Supports Deficient Land-use Planning Recovery Planning Resiliency Planning Economic Development Infrastructure Development

Synthesis: The climate change VA supports SSG planning and development areas for Saipan as they relate to exposure and sensitivity to future sea levels and changing rainfall patterns. The VA addresses Saipan's adaptive capacities in natural and built environments and elements of land-use and resiliency planning and infrastructure development are incorporated in the discussions. The VA touches on economic development by discussing exposure of industry and businesses to coastal flooding as well as the potential disproportionate impacts to sensitive population segments across the island. The VA does not touch on recovery planning other than to mention it is more efficient and inexpensive to explore mutually beneficial opportunities for adaptations now than it is to pay for possible damages and extreme system modifications later.

The VA briefly addresses the potential for increases in extreme precipitation events, projected increases in sea surface temperatures and consequent coral bleaching and changing ocean wave conditions. Although not thoroughly analyzed in the VA, additional assessment of these variables is warranted, particularly with respect to marine resources and impacts of changing ocean chemistry. The VA does not address other important aspects of climate changes

Overall, the VA identifies resources of concern in the natural and built environment. A community stakeholder-based qualitative assessment was completed and the results helped

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Commencedin of the Notethern Marine Standard

Draft Final Report

2015 Integrated Resource Plan

Commonwealth Utilities Corporation

December 2015



Appendices E and F

- Appendix E SSG Workshop Proceedings
- Appendix F Glossary

GUIDANCE MANUAL FOR SMART, SAFE GROWTH COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS

Proceedings from *Smart, Safe Growth* Workshops, Saipan, 17-19 July 2018

Members from the principal CNMI planning, regulatory, and infrastructure authorities attended three days of stakeholder participation on Saipan to discuss Smart, Safe Growth strategies as a means to guide Commonwealth economic growth over the next 20 years. Daily agendas and participation lists are provided herein. Workshops were deemed the most productive and effective approach to finalize the framework of the *Guidance Manual*, to ensure project alignment with local government vision, needs, and programs.

During workshops it was presented that the intent of Smart, Safe Growth strategic applications is to provide a common framework for planning and regulatory thought among CNMI authorities. It was further presented that SSG in general, the core principles, and the *Guidance Manual* are not intended as regulatory documents. Emphasis for this SSG project remained on "guidance" and "tools" to help steer (rather than specifically regulate) planning and economic growth. Attendees were universally supportive of Smart, Safe Growth (SSG) Principles and the *Guidance Manual*. All acknowledged that the *Guidance Manual* will foster forward thinking and promote alignment among CNMI agencies that have over-lapping jurisdictions in planning and review/approval of economic development initiatives.

"Development" was discussed in the major categories of Master Planning, Public Infrastructure, and Commercial/Residential. It was universally acknowledged among attendees that SSG Principles and the Guidance Manual are applicable across all development categories.

Participants were strongly in favor of the Regulations Review (Appendix A), and of revisions to strengthen regulations for application of SSG Principles to benefit regulatory due process to influence *Smart*, *Safe Growth* in the CNMI.



Participants were in universal accord that CNMI government planning and regulatory authorities must play the primary role to guide economic growth over the next 20 years. This was expressed in contrast to prevailing circumstances of market-driven growth.

Figure E.1 Smart, Safe Growth Workshop at the CNMI BECQ, July 2018.

The newly-formed Office of Planning and Development (OPD) was acknowledged as the flagship agency that will promote cohesion

and solidarity among CNMI authorities for the implementation of SSG Principles for economic expansion. It was further acknowledged that OPD and other CNMI agencies with regulatory and

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SSG in context(s) other than regulatory

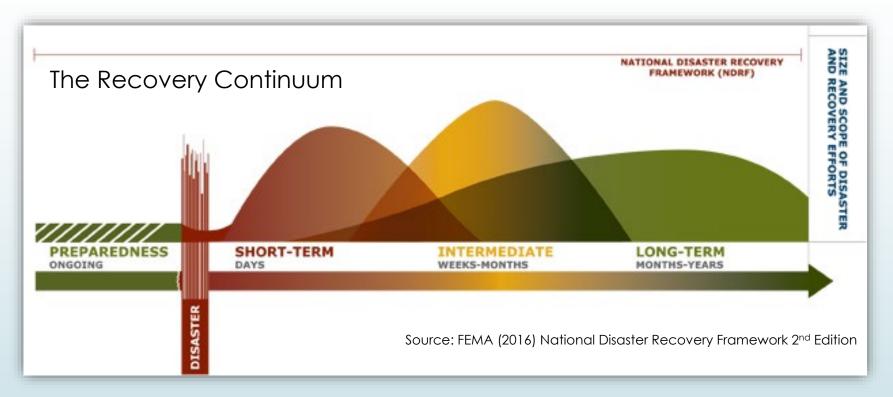
- **Solution Sec a strong tool**
- **SSG Principles connect to community values**
- Incorporate SSG Principles and community values into daily work practice to mainstream SSG and sustainable development

Conclusion

- Incremental process toward SSG and resilient communities
- Start groundwork today
- Generation Community and government support is critical



Conclusion



Move the disaster-recovery cycle toward a cycle of planning and building resiliency.

Conclusion

- **5** Today's actions yields tomorrow's benefits
- Implementing the strategies and tools in the Guidance Manual will place the CNMI on a course towards Smart, Safe Growth

