

Smart, Safe Growth for the CNMI

Comprehensive Planning and SSG

Training Module 2
19 – 21 July 2022



**Nimbus
Environmental
Services**

Purpose

- **Introduce the Comprehensive Sustainable Development Plan (CSDP) and the planning components**
- **Describe how the CSDP relates to:**
 - Agency work
 - *Smart, Safe Growth (SSG)* framework

Learning Objectives

- Review the sections of the CSDP
- Describe how the Sustainable Development Goals (SDGs) relate to agency action plans
- Describe how development guidelines direct development

Learning Tool

**Training Module 2 –
The Comprehensive Sustainable Development Plan
Handout 1
Section 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.

Section I – _____

Section II – Planning Elements, _____, and Actions

Section III – Action _____ and _____ Guidelines

Section IV – _____ and Next Steps

Section V – Planning _____ and _____
Recommendations.

Learning Tool

Appendix I - _____ Plan

Appendix II – 2021-2030 _____

Appendix III – Community _____

Appendix IV - _____ Indicators

Appendix V – 2021 _____ Change _____ and
_____ Recommendations for the CNMI

Learning Tool

Instructions: Draw a line between the chapter and the topics covered in each chapter

Section I	1. Adaptive Management Planning.
Section II	2. Implementation Plan.
Section III	3. Comments on CDSP from the community.
Section IV	4. CNMI Climate Change Assessment (2021).
Section V	5. Sustainable Development Principles
	6. Additional SDG Indicators for SDG 3.
Appendix I	7. Sustainable Development Goals
Appendix II	8. International Building Code as guideline
Appendix III	9. Planning Timeline
Appendix IV	10. Specific guidance to support planning themes, objectives, and priorities.
Appendix V	



Why is sustainable development important?

- Accelerated growth in CNMI
- Limited land resources
- Fragile Pacific Islands ecosystems

CNMI Planning and Development Act of 2017

- **Public Law 20-20**
 - CSDP and Planning Elements
- **Office of Planning and Development (OPD)**
- **Planning and Development Advisory Council (PDAC)**
 - Sustainable resource planning





COMPREHENSIVE SUSTAINABLE DEVELOPMENT PLAN



*Prepared for the
Commonwealth of the Northern Mariana Islands
by the Office of Planning and Development under the Office of the Governor
with support from the Planning and Development Advisory Council*

2021-2030



Comprehensive Sustainable Development Plan

- Guide development sustainably
- Guide responsible resource and management decision-making
- Establish growth priorities for CNMI
- Community values
- Goals and Objectives
- CSDP approved 26 October 2021

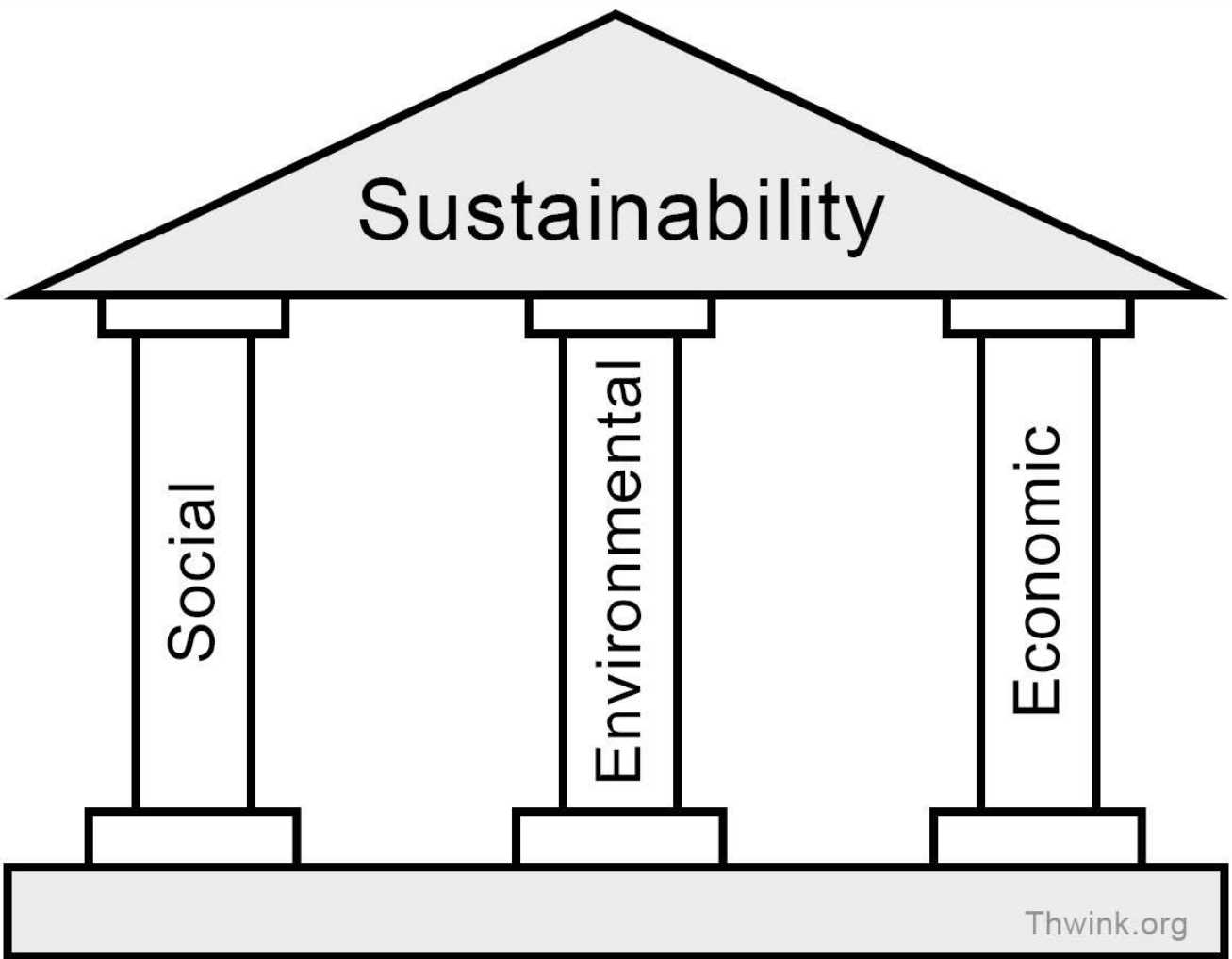
CSDP Organization

- **Section I – Introduction: Envisioning Comprehensive Sustainable Development**
- **Section II – Planning Elements, Goals and Actions**
- **Section III – Action Plans and Development Guidelines**
- **Section IV – Processes and Next Steps**
- **Section V – Planning Elements and Policy Recommendations**
- **Appendices I-V**

Section I – Introduction: Envisioning Comprehensive Sustainable Development

Sustainability means meeting our own needs without compromising the ability of future generations to meet their own needs.

Section I – Sustainable Development Principles





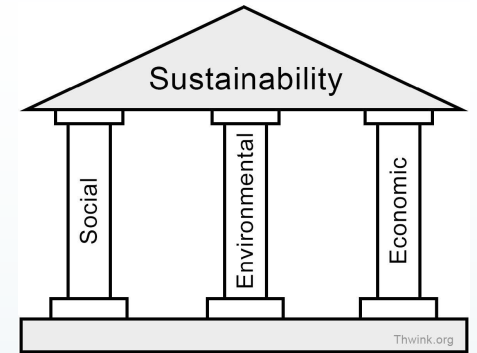
CNMI Planning Partners

• Planning Taskforces

- Built Environment
- Natural Environment
- Socio-economic / Disaster Risk Reduction
- Education

• Taskforce Meetings

- Identified public values and themes
- Established CNMI-specific goals and objectives



Values and Themes



Sustainable Systems

Build resiliency
through SSG



Inclusive and Equitable Communities

Achieve shared visions
and sustain CNMI



Networks of Care

Efficient governance
of social safety nets



Partnerships

Leverage to benefit
all

Comprehensive Sustainable Development Plan

Strategic Plan Hierarchy



Section II- Planning Elements, Goals, and Actions

- Planning Elements vision statements
- SDGs – Strategic Goals
 - Objectives
 - Actions
 - Performance measures



Sustainable Development Goals (SDG)

10-year Strategic goals - 2030



2019

RESOURCES REPORT

Planning for Sustainability in the Commonwealth of the Northern Mariana Islands



(670) 488-1221

www.opd.gov.mp

308 CDA Building, O'leai

planning.opd@gmail.com

CNMI Plans and Resources Report

- **2019-2020 Resources Report**
- Baseline conditions
- Evaluate future progress toward SDGs
- Critical for adaptive management planning

Section III – Action Plans and Development Guidelines

- **Action plans tailor SDGs and objectives**
- Community / Special Action Plans
- Functional Plans
- Area-specific Plans
- **Align action plans with SDGs**



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 - Area-specific Plans
- **Align action plans with SDGs**

**A Strategic Plan
charts the way forward**

**An Action Plan
details how to get there**

SDG, Objectives, and Targets



- By 2030, CUC's Master Plan for drinking water will ensure access to healthy, palatable, affordable, and sustainable drinking water for all communities of the CNMI
- By 2030, comprehensive land management results in water source and quality protection and improvement that supports freshwater quality goals to provide potable, palatable, and sustainable drinking water availability for all communities in the CNMI
- By 2030, the CNMI will improve water quality and reduce the risk of combined sewer overflows by implementing environmentally compliant point and nonpoint source pollution control programs for existing discharge systems and support the implementation of SSG to implement nature-based solutions and other cost-efficient interventions identified in the 2025 storm water management plan
- By 2030, implementation of CUC's Master Plan for wastewater, with support from planning partners, will result in at least a 30% reduction in unsewered households

Goals and Objectives for Clean Water and Sanitation

SDG #6 - Ensure availability and sustainable management of safe and environmentally compliant water and sanitation for all



- By 2022 CUC will work with BECQ-DEQ and CHCC to assess health-protective safe drinking water standards and include resulting recommendations in the CUC Water Master Plan by 2022 and subsequent CEDS update by 2025;
- By 2023, CUC, BECQ-DEQ, DPW, and DPL will integrate geospatial utilities data to identify areas of water and wastewater services to support utility, capital improvement program, and land use planning updates to achieve 100% inside flush toilets with compliant wastewater management and 100% 24-hr palatable water services by 2030, supported by disaster risk reducing development and retrofits and economical mitigation measures;
- By 2025, CUC will update and implement priority action items for their service areas plan for non-sewer areas, including consideration of actions to address changing environmental conditions to the wastewater management system;
- Led by the Bureau of Environmental and Coastal Quality, watershed management and restoration efforts will result in (i) Reduction of saltwater intrusion into Saipan's freshwater lens by 20% by 2025; (as measured by reduced chloride levels in CUC managed assets); and (ii) Reduction of stormwater runoff by maintaining and increasing wetland, green infrastructure, and stormwater management processes including aquifer recharge by achieving a 50% reduction in water impairment ratings for the coastal waters of Saipan, Tinian, and Rota by 2030;
- Led by DPW and supported by the Built Environment Taskforce, (i) by 2023, DPW will implement updated guidelines for the MS4 stormwater permit to ensure environmentally compliant and sustainable management of nonpoint source pollution conveyed by stormwater infrastructure; (ii) by 2025 DPW will draft a stormwater management plan with interagency support that considers "Smart, Safe Growth" principles including projected changes to precipitation patterns and sea level rise to further enable these efforts;
- By 2022, CUC's Master Plan will be updated to include details that address what steps are necessary and sufficient to reduce the salinity of the water in Saipan to the secondary standard of 250 ppm by 2030, including consideration of future precipitation patterns and potential impacts to the water system;
- Led by DPW and supported by the Built Environment Taskforce, (i) by 2023 DPW will implement updated guidelines for the MS4 stormwater permit to ensure environmentally compliant and sustainable management of nonpoint source pollution conveyed by stormwater infrastructure; and (ii) by 2025 DPW will draft a stormwater management plan with interagency support that considers "Smart, Safe Growth" principles including projected changes to precipitation patterns and sea level rise to further enable these efforts;

GOAL 6 - CLEAN WATER AND SANITATION

SDG #6 - Ensure availability and sustainable management of water and sanitation for all

Current Status	Targets
<ul style="list-style-type: none"> • 94.3% inside flush toilet • 81.6% 24-hr water service 	<p>(a) - By 2030, 100% population is using environmentally compliant wastewater systems and there is 100% 24/hr service of plateable on Saipan, Tinian, Rota, and the Northern Islands, supported by disaster risk reducing development and retrofits and economical mitigation measures;</p>
<ul style="list-style-type: none"> • 79% of assessed wetlands impaired • 42% of shorelines impaired for at least one use 	<p>(b) - By 2030, impairment of water bodies is reduced to less than 50% for wetlands and less than 25% for shorelines</p>



Figure 9 - Water and Sanitation For All Initiative highlights SDG connections. Source: <https://sanitationwaterforall.org/news/nav/info/graphic-how-wash-influences-other-sdgs>

SDG, Objectives, and Targets



10-Year Strategic Goal

- By 2030, the CNMI will improve water quality and reduce the risk of combined sewer overflows by implementing environmentally compliant point and nonpoint source pollution control programs for existing discharge systems and support the implementation of SSG to implement nature-based solutions and other cost-efficient interventions identified in the 2025 storm water management plan

3-5 Year Objective

- Led by DPW and supported by the Built Environment Taskforce, (i) by 2023, DPW will implement updated guidelines for the MS4 stormwater permit to ensure environmentally compliant and sustainable management of nonpoint source pollution conveyed by stormwater infrastructure; (ii) by 2025 DPW will draft a stormwater management plan with interagency support that considers “Smart, Safe Growth” principles including projected changes to precipitation patterns and sea level rise to further enable these efforts;

DPW Stormwater Management Plan

Performance Measure or Target

- 79% of assessed wetlands impaired
- 42% of shorelines impaired for at least one use

(b) - By 2030, impairment of water bodies is reduced to less than 50% for wetlands and less than 25% for shorelines



Development Guidelines

- Development standards guide plan implementation
- Early planning consideration will improve sustainability outcomes



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INTERNATIONAL CODES

IBC[®]

A Member of the International Code Family[®]

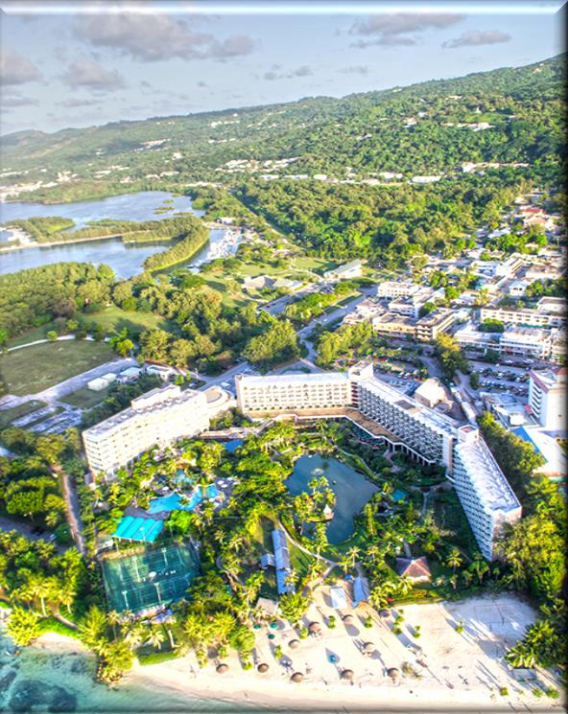
INTERNATIONAL
BUILDING CODE[®]



International Building Code

- Updated Standards
- Increase resilience and sustainability of new development





Smart, Safe Growth

- Development strategies to promote resilient communities
- 2018 *Guidance Manual* – operationalize SSG Principles
- Application of SSG Principles will move CNMI toward sustainable development

Section IV – Process and Next Steps

- **Continued coordination and plan integration are required**
- **Best Management Practices**
 - Adaptive Management Planning
 - Strategies for implementation and monitoring
 - Sharing information
 - Community engagement / outreach

Adaptive Management Planning – Data-based

- Learning/improvement process based on data
- Data is used to evaluate performance measures
- Adjust as needed to meet performance measures
- Regular feedback will help leverage resources to work towards sustainable development

Adaptive Management Planning – Non-data-based

- Traditional ecological knowledge

Section V – Planning Elements and Policy Recommendations

- **Specific guidance to support planning themes, objectives, and priorities**
- **Coordinate efforts across sectors**
- **Policy recommendations and development guidelines**
 - Recommendations provide the “what”
 - Development Guidelines provide the “how”

Section V – Key Recommendations


- **Integrating SSG into land use and hazard risk reduction planning**
- **Conducting a comprehensive review and update to key regulations**

Appendices I-V

- **Appendix I – Implementation Plan**
- **Appendix II – 2021-2030 Planning Timeline**
- **Appendix III – Community Comments**
- **Appendix IV – Wellness Indicators –
Additional Indicators and Goals for SDG 3**
- **Appendix V – 2021 Climate Change Assessment and
Policy Recommendations for the CNMI**

Appendix I – Implementation Plan

2021-2030

Goal #	10+ Year Goals	3-5 Year "SMART" Objectives	FY20-21 Action Items	Action Lead(s)	Partnerships	Supporting Action Plan(s)	Funding Status / Unmet Need(s)
CLEAN WATER AND SANITATION							
<p>6 CLEAN WATER AND SANITATION</p>  <p>SGD 6</p> <p>Ensure availability and sustainable management of safe and environmentally compliant water and sanitation for all</p>	<p>By 2030, the CNMI will improve water quality and reduce risk of combined sewer overflows by implementing environmentally compliant point and nonpoint source pollution control programs for existing discharge systems and support implementation of SSG to implement nature-based solutions and other cost-efficient interventions identified in the 2025 storm water management plan</p>	<p>Led by DPW and supported by the Built Environment Taskforce, (i) by 2023 DPW will implement updated guidelines for the MS4 storm water permit to ensure environmentally compliant and sustainable management of nonpoint source pollution conveyed by storm water infrastructure; and (ii) by 2025 DPW will draft a storm water management plan with interagency support to further enable these efforts;</p>	<p>Support development of stormwater management and MS4 compliance plan</p>	<p>DPW</p>	<p>BE Taskforce, BECQ</p>	<p>Stormwater management plan (anticipated by 2025); 2006 Stormwater Manual</p>	<p>Substantial infrastructure funding is being sought through numerous funding streams</p>
	<p>By 2030, implementation of CUC's Master Plan for wastewater, with support from planning partners, will result in at least a 30% reduction in unsewered households</p>	<p>By 2024 CUC and planning partner support wastewater treatment sustainability assessment to inform future plan updates; and</p> <p>By 2025, CUC will update and implement priority action items for their service areas plan for unsewered areas</p>	<p>BE Taskforce members continue to attend ongoing Watershed Working Group meetings and support incorporation of water source and quality protection into cross-cutting planning and project development efforts to protect and restore water related ecosystems</p>	<p>CUC, DEQ, NMHC</p>	<p>Supported by BE, NR, and SE/DRR Taskforces</p>	<p>CDBG / NMHC Strategic Plan; CUC Wastewater Management Plan</p>	<p>Substantial water and wastewater infrastructure funding is being sought through numerous funding streams</p>

Activity – How will you use the CSDP?

SMART, SAFE GROWTH
GUIDANCE AND RECOVERY AND HAZARD MITIGATION PLANNING
FOR THE CNMI
19 – 28 JULY 2022

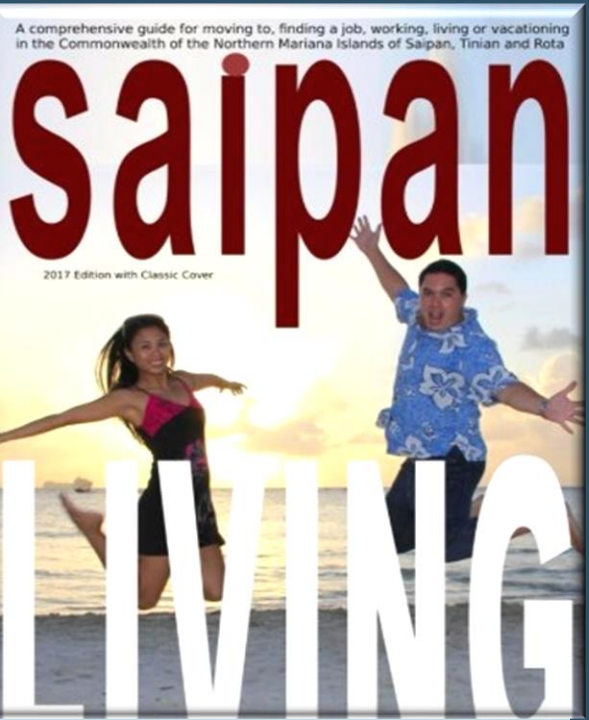
**Training Module 2 -
The Comprehensive Sustainable Development Plan (CSDP)
Handout 2
How Will You Use the CSDP?
Activity Time: 5 Minutes**

Instructions: In your current job think of how the CSDP may influence your work. Write down your answer and be prepared to share with the group (2 minutes).

Answer:

How will others in the group use the CSDP? (3 minute Group Discussion)

List answers:



Conclusion

Bringing it all together

- Agency work is the key to attaining sustainable growth in the CNMI
- CSDP coordinates/aligns actions
- Development guidelines direct implementation
- Performance feedback will incrementally move CNMI toward sustainability