1 Chapter 15

ACCELERATE CLIMATE ACTION AND STRENGTHEN DISASTER RESILIENCE

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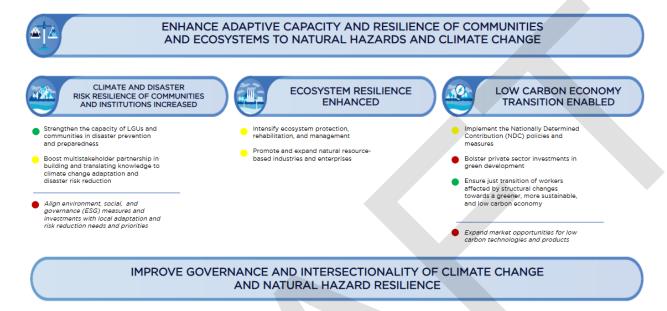
6 The country experienced varied progress in building its resilience to the impacts of climate 7 change and natural hazards. Scientific advancements in forecasting and intensified 8 resilience planning have provided a stronger foundation, but improvements at the 9 community level have yet to be fully realized. Meanwhile, natural resource conservation 10 initiatives have yielded positive outcomes for ecosystem resilience, though their 11 contribution to generating socioeconomic benefits and advancing proactive climate action 12 remains limited. This mixed progress indicates that while small waves of efforts are 13 emerging across sectors and regions, stronger coordination is needed to consolidate 14 these initiatives into a unified, high-impact surge to be truly seen and felt by the country.

15 For the remaining planning period, Chapter 15 will be anchored on the premise of 16 "Daluyong ng Bayanihan". It reframes daluyong-or tidal waves-as a surge of 17 coordinated resilience initiatives and a transformative force for socioeconomic stability 18 rooted in the Filipino spirit of collective action, or bayanihan. The chapter promotes a 19 consolidated approach across government, private sector, civil society, and communities 20 to address climate change and natural hazards through robust partnerships that align 21 policies, budgeting, investments, and grassroots engagements. It emphasizes that 22 resilience encompasses not only the capacity to withstand shocks but also to sustain 23 livelihoods, foster inclusive growth, and manage natural resources effectively.

24 Accomplishments

25 Table 15.1 Progress report for accelerating climate action and strengthening

26 disaster resilience



27

28 Differences in sectoral frameworks and approaches have resulted in fragmented 29 implementation of resilience initiatives. Efforts to localize national climate change and disaster risk reduction frameworks have yielded mixed results. As of 2024, 89.04 percent 30 31 of Local Government Units (LGUs) have developed Local Climate Change Action Plans 32 (LCCAPs); 23.13 percent have formulated climate- and risk-informed Comprehensive 33 Development Plans (CDPs); and 55.97 percent have Comprehensive Land Use Plans (CLUPs). To complement local planning, the DOST- Philippine Atmospheric, Geophysical 34 and Astronomical Services Administration (PAGASA) and the Department of 35 Environment and Natural Resources (DENR) continue to support LGUs in improving their 36 37 capacity to conduct impact-based weather forecasts and apply geohazard risk tools. 38 These initiatives align with broader efforts, including DENR's development of localized 39 resilience roadmaps with investment portfolios in selected provinces, and the Department 40 of the Interior and Local Government's (DILG) capacity-building programs for disaster 41 preparedness protocols across various natural hazards. At the national level, sector-specific interventions are underway through the integration of 42 resilience strategies within sectoral plans, such as Fisheries Management Plans (FMP), 43 Protected Area Management Plans (PAMP), Groundwater Management Plans (GMP), 44

45 and Integrated River Basin Management and Development Master Plans (IRBMDMP),

among others. The National Adaptation Plan (NAP) likewise prioritizes key adaptation
sectors, namely: agriculture, fisheries, and food security; water resources; health;
ecosystems and biodiversity; cultural heritage, population displacement, and migration;
land use and human settlements; livelihoods and industries; and energy, transport, and

50 communications.

51 In terms of ecosystem resilience outcomes, the government has made measurable gains. 52 Through the Enhanced National Greening Program (ENGP), forest cover increased from 53 7.2 million hectares (ha) in 2021 to 7.3 million ha in 2024, covering 24.61 percent of the 54 total land area.¹ Sustained enforcement operations have led to a 61.11 percent reduction in illegal logging hotspots municipalities over the last two years.² However, further work 55 56 is needed to effectively address land degradation hotspots, as recent gains have not met 57 the set targets. Meanwhile, strengthened multi-stakeholder engagement facilitated the 58 maintenance and protection of 3.08 million hectares of legislated Marine Protected Areas 59 (MPA) Networks.

60 The economic potential of natural resource-based livelihoods remains 61 underutilized, presenting an opportunity for sustained socioeconomic resilience 62 efforts to amplify marginal gains towards the macro level. There is a growing 63 recognition of the role of protected areas in generating livelihood opportunities for 64 vulnerable upland and coastal communities. As of 2024, a total of 355 People's 65 Organizations have received technical and financial assistance to support the 66 establishment of Biodiversity-friendly Enterprises (BDFEs) within protected areas. In 67 addition, government-led programs, such as ENGP, have provided employment 68 opportunities for approximately 66,000 resource-dependent individuals through seedling 69 production, site preparation, and planting activities. However, nascent efforts to 70 systematically monitor the income generated from these livelihoods hinder insights into 71 their actual economic contribution. The limited information also creates a barrier for 72 further market integration, value addition, and upscaling interventions. Similarly, the 73 economic and social benefits from ecotourism activities remain insufficiently quantified 74 and are not fully integrated into broader conservation financing strategies.

Moreover, the DENR reported increasing revenues from protected area management over the past two years, accumulating PHP 1.1 billion from user fees and special use permits. However, this income has yet to be optimized, as PA Finance Plans have not yet been institutionalized to serve as a complementary tool for guiding stakeholders in resource mobilization for protected area management.

Likewise, Bangko Sentral ng Pilipinas (BSP) collaborated with PJ Lhuillier Inc. (PJLI) through its sandbox regulatory approach to expand the entry of small-scale miners in gold trading (See Chapter 11.1). However, the number of approved *Minahang Bayan* applications in development areas continues to decline, signaling an untapped

¹ The figures were based on the partial analysis of the National Mapping and Resource Information Authority (NAMRIA), covering Regions I to IX.

² Covering seven municipalities in 2024 from the baseline data of 18 in 2021.

- 84 opportunity to sustain local livelihoods through responsible resource development, while
- unlocking co-benefits, including advancing the critical minerals industry and enabling the
 growth of green manufacturing for proactive climate action.

87 Clear low-carbon pathways have been established by the Government, requiring
88 immediate implementation over planning. The Nationally Determined Contribution
89 Implementation Plan (NDCIP), launched in 2024, outlines the priority activities for a low90 carbon transition in the Agriculture, Energy, Industry, Processes and Products Use (IPPU),
91 Transport, and Waste sectors, with an estimated investment requirement of USD 72
92 billion (PHP 4.1 trillion).

93 Circular Economy initiatives are also advancing through Interventions under the DENR's 94 Green Economy Programme in the Philippines (GEPP). The Programme currently 95 focuses on shaping an enabling environment geared to support resource efficiency and 96 circular economy efforts. This will be pursued through enhancing LGU capacities and 97 engaging the private and financial sectors in promoting sustainable business practices 98 and innovative financing mechanisms (See Subchapter 2.3). In addition, the Green 99 Economic Development Program of the Department of Trade and Industry (DTI) is gaining 100 ground among MSMEs, capacitating them to facilitate climate-smart and green operations.

- 101 Meanwhile, efforts by the DENR, Technical Education and Skills Development Authority 102 (TESDA), and DTI to equip the existing workforce with green skills and competencies are
- 103 ongoing, with opportunities to generate more demand for green jobs through the 104 development of a Green Jobs Assessment and Certification System.
- 104 development of a Green Jobs Assessment and Certification System.

105 **There is a growing understanding of sustainable finance and funding mechanisms.**

Public climate expenditures by national government agencies increased from 7.93 percent in 2024 to 18.27 percent in 2025. Similarly, the initial PHP 1 billion allocation from the People's Survival Fund (PSF) for local government adaptation strategies was fully disbursed by December 2024 and replenished with an additional PHP 1 billion under the

110 2025 General Appropriations Act (GAA).

To encourage private sector engagement, the BSP and the Securities and Exchange Commission (SEC) established a sustainable finance taxonomy, which serves as a common framework among private sector stakeholders and investors, encouraging greater investment flows. Executive Order 18 Constituting Green Lanes for Strategic Investments also facilitated the entry of 159 clean energy investments, valued at approximately PHP 4.75 trillion as of April 30, 2025.

- 117 Alongside these efforts, a total of PHP 2.78 billion was mobilized, catalyzed, and tagged
- 118 from both public and private sources for biodiversity conservation, including innovative
- 119 finance solutions developed under the Biodiversity Finance Initiative (BIOFIN) Project.

120 Fragmented monitoring systems persist, reinforcing institutional silos and limiting

121 **the convergence of strategies across sectors.** Monitoring and evaluation frameworks

- 122 are designed separately, employing varied data metrics, methodologies, and collection
- timeframes. As a result, progress in one sector is challenging to align with developments
- in others, which hampers integrated planning, programming, and budgeting.

125 Implementation of the Transformation Agenda

126 Effective climate action and disaster resilience require both a strong 127 understanding of local contexts by LGUs and sector-specific expertise by National 128 Government Agencies. Various initiatives have already facilitated knowledge 129 exchanges, capacity building, and technology transfer between national and local levels. 130 These include programs for disaster response (e.g., OPLAN LISTO program), protected 131 area development and management (e.g., BIOFIN and the Biodiversity Corridor Project), 132 forest rehabilitation (e.g., ENGP and Community-Based Forest Management), coastal 133 and marine governance (e.g., Coastal and Marine Ecosystems Management Program 134 [CMEMP]), and circular economy (e.g., GEPP), among others. For the remaining planning 135 period, the national government will work to enhance inter-sectoral linkages to minimize 136 duplication at the local level. This will involve consolidating sectoral programs and 137 establishing monitoring systems that will facilitate harmonization with local development 138 plans, programs, and other initiatives.

139 There is a significant potential in natural resource-based and biodiversity-friendly

enterprises, green technologies, and circular business models that support green
 job creation. The government has taken steps to foster public-private partnerships for

142 sustainable investments in areas such as biodiversity conservation, area management, 143 and climate action. Moving forward, there is a need to further improve the investment

- 144 climate to support the growth of these emerging sectors. For the remainder of the planning
- 145 period, the government will build on existing efforts by scaling up successful models and 146 strengthening the policy landscape to attract greater private sector participation in
- 147 advancing climate-resilient and environmentally sustainable initiatives.

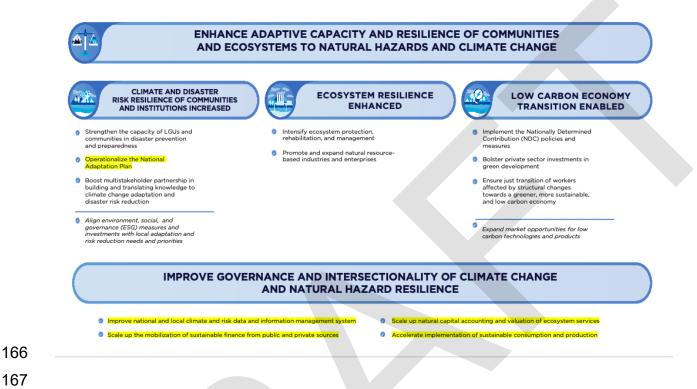
148 Action Plan

149 The government will further intensify efforts to strengthen the capacities of local 150 government units by fostering robust multi-stakeholder partnerships and cross-sectoral 151 collaboration, enabling the implementation of coordinated, high-impact solutions. In 152 parallel, it will support the development and scaling of nature-based and biodiversity-153 friendly enterprises to promote sustainable livelihoods that align with both conservation 154 and climate resilience goals. Moreover, the quantification of environmental benefits will 155 be advanced through the integration of natural capital accounting and the valuation of 156 ecosystem services, alongside the development of national guidelines on biodiversity 157 credits.

158 Updated Strategy Framework

The strategy framework for climate action and disaster resilience will continue to focus on the four key outcomes, with increased synergy across strategies and a stronger emphasis on multi-stakeholder engagement. Underlying these efforts are initiatives to enhance data interoperability that would facilitate the quantification of environmental benefits and inform evidence-based policymaking and investment programming for resilience.
Figure 15.2 Strategy Framework to Accelerate Climate Action and Strengthen

165 **Disaster Resilience**



167

Strategies 168

- Outcome 1: Climate and Disaster Risk Resilience of Communities and 169
- Institutions Increased 170
- Strengthen the capacity of LGUs and communities in disaster prevention and 171
- 172 preparedness. The government will scale up and replicate existing initiatives for disaster
- 173 prevention, preparedness, and climate adaptation, with emphasis on anticipatory action.
- 174 The DILG will utilize its Operation LISTO and Disaster Preparedness, Response, and
- 175 Resilience Program (DPRRP) to improve LGU compliance with early and critical disaster
- 176 preparedness measures. DILG will also cascade disaster response protocols to the
- 177 barangay level through its LISTO si KAP (Komunidad at Punong Barangays) program.
- 178 The supporting policy landscape will also be developed to recognize anticipatory action and incentivize proactive risk resilience strategies. In addition, the Government will 179 180 explore improvements in local planning processes to allow interoperability of various 181 Local plans for resilience.
- 182 Operationalize the National Adaptation Plan.* As the overarching government strategy 183 for addressing long-term climate risks, the National Adaptation Plan (NAP) will coordinate

resilience initiatives across agencies operating in cross-cutting sectors and geographic 184 185 areas. The Climate Change Commission (CCC) and the DENR will establish the 186 governance structure and coordination framework in accordance with the plan and 187 develop tools and approaches for mainstreaming adaptation priorities across planning. 188 programming, and budgeting processes. The Program Convergence Budgeting for the 189 Risk Resilience Program (PCB-RRP) will also be enhanced to support inter-agency 190 planning and investment toward NAP priorities and outcomes. Additionally, the DENR will 191 replicate its work in developing NAP-informed provincial Investment Resilience Portfolios 192 in remaining climate-vulnerable provinces identified under the Plan, including Cagayan, 193 Pangasinan, Masbate, and Sorsogon.

194 Boost multistakeholder partnership in building and translating knowledge to climate 195 change adaptation and disaster risk reduction. The NDRRMC, CCC, and DENR will 196 consolidate existing research, data, and other insights on resilience-including those 197 developed by the academe and private sector—into a knowledge management system 198 to facilitate uptake for resilience building. CCC, DENR, and DOF will likewise establish 199 multi-stakeholder dialogue platforms to encourage stakeholder engagement in the 200 implementation of the NAP and Sustainable Finance Roadmap. Ongoing initiatives such 201 as the UK Embassy's Water x Food Investment Project, UNDP's SHIELD Programme, 202 and UNICEF's Kabataang Resilience Programme will be leveraged to scale up 203 multistakeholder partnerships for resilience-building.

204 Align environment, social, and governance measures and investments with local 205 adaptation and risk reduction needs and priorities. BSP and SEC will continue to 206 strengthen the private sector's understanding of green investments through continuous 207 capacity-building activities on the Sustainable Finance Taxonomy. In parallel, the BSP 208 will update sustainability-related reporting requirements to include General Requirements 209 for disclosure of sustainability-related financial information and climate-related 210 disclosures, in alignment with the Philippine Accounting Standards. With the emergence 211 of a sustainability-driven economy, the DTI will also facilitate the integration of MSME 212 sustainability and ESG reporting to improve their visibility and positioning in global green 213 value chains. The DBCC SC-SDG Stakeholder's Chamber will be utilized as a platform 214 for dissemination and encourage greater uptake of sustainability measures in line with 215 national resilience priorities.

216 Outcome 2: Ecosystem Resilience Enhanced

Intensify ecosystem protection, rehabilitation, and management. The DENR will continue
 to enhance the horizontal and vertical coherence of policies, plans, and interventions

219 through the finalization of the Environment and Natural Resources (ENR) Framework

2025-2040, which is anchored on Integrated Ecosystem Management (IEM) approach.
 Towards this, mainstreaming of integrated landscape-seascape management in local

222 planning and development will be prioritized to funnel investments for conservation

priorities and foster resource stewardship. Simultaneously, enabling policy, governance, and fiscal mechanisms will be in place to meet the targets outlined in existing and

- 225 forthcoming sectoral plans and frameworks.³
- 226 The government will likewise strengthen the engagement of the private sector, academe. 227 and civil society organizations to amplify the delivery of co-benefits through ecosystem-228 based actions and nature-based solutions. In parallel, the DENR will develop a 229 prioritization scheme for nature-based investments to support ecosystem resilience 230 initiatives that foster community development. To strengthen the science-policy interface, 231 the DENR will leverage research and technological innovations (e.g., artificial intelligence, 232 space-based technologies) to generate robust and reliable data for evidence-based 233 policymaking through the operationalization of the Marine Science Research Stations and 234 National Forest Monitoring System. The upgrading of existing monitoring tools and 235 systems (e.g., LAWIN, WildALERT) will be facilitated by incorporating emerging 236 innovative technologies to enhance enforcement and compliance with ENR policies.
- Meanwhile, the DOST will continue developing conservation protocols to inform policies that foster sustainable resource utilization within ecological limits. The DENR will reinforce regulatory and enforcement mechanisms for extractive industries, including mining and quarrying, to minimize environmental risks associated with the growing demand for critical minerals. Ensuring the progressive rehabilitation of mining areas and integrating biodiversity considerations throughout the process will further underpin the continued viability of responsible mining.
- 244 Promote and expand natural resource-based industries and enterprises. Public and 245 private investment will be directed toward developing 1.2 million hectares of potential 246 areas for timber production and agroforestry. The government will likewise sustain its 247 investments in blue economy development to generate more income opportunities for 248 coastal communities. The government will also explore the feasibility of other green 249 financing modalities (e.g., payment for ecosystem services, carbon market) to increase 250 revenue generation for protected area management. In conjunction, the finalization and 251 adoption of a national policy framework for Access and Benefit Sharing will enhance 252 regulatory measures and enable equitable sharing of economic benefits from the use of 253 genetic resources and traditional knowledge. This presents a strategic entry point for

³ These include Philippine Biodiversity Strategy Action Plan 2015-2040, National Forest and Landscape Restoration Action Plan, National Soil Conservation Roadmap and Blue Economy Roadmap.

254 coordinated government actions to orient the development of the country's bioindustry 255 towards fair and inclusive practices (*see Chapter 6*). Strengthened private sector 256 engagement, as a critical enabler for value-adding activities and commercialization of 257 natural resource-based products, will underpin these endeavors for a resilient community 258 development.

To ensure sustainability, the government will also pursue the accounting of the economic contributions from natural resource-based enterprises and industries through existing statistical frameworks (e.g., Ecotourism Statistical Framework⁴, Ocean Economy Satellite Accounts) to inform targeted interventions that stimulate their growth and integration into the broader economy.

264 Outcome 3: Low Carbon Economy Transitioned

265 Implement the Nationally Determined Contribution (NDC) policies and measures. With 266 sector-level strategies identified through the NDCIP to effectively achieve our NDC 267 targets, the Government will now shift its focus towards operationalization. This includes 268 improving and harmonizing its Measurement, Reporting, and Verification (MRV) process 269 to better inform policy- and decision-making towards enhancing the effectiveness of its 270 low-carbon initiatives. The government will also update its NDC in line with national 271 development priorities. Consistent with our goals, the updating process will include in-272 depth sectoral assessments, including evaluation of new NDC sectors (e.g., forestry, and 273 other nature-based solutions), and cross-cutting analysis of synergies and trade-offs 274 among the sectoral policies and measures. This initiative will entail coordination among 275 agencies under the NDC Technical Working Group and Development Partners 276 Coordinating Group to ensure aligned and effective implementation.

Bolster private sector investments in green development. The government will develop
and implement a National Policy Framework for Critical Minerals through an Executive
Order. The framework will cover the exploration and development of minerals; efficient
and rationalized application procedures; strategies for value addition; and environmental
protection.

- In addition, the government will continue to develop market- and non-market mechanisms
 to facilitate low-carbon investments. This includes the formulation of policy frameworks
- on carbon pricing instruments and voluntary carbon trading (e.g., forest carbon credits).

⁴ This framework is designed to systematically track and monitor ecotourism development and growth across the country, determine its contribution to the entire tourism industry, and improve the integration of statistical data on the economic, environmental, and social dimensions of sustainable tourism. The framework was approved and adopted through National Ecotourism Development Council (NEDC) Resolution No. 2023-01 signed last July 8, 2024.

285 Ensure just transition of workers affected by structural changes towards a greener, more 286 sustainable, and low carbon economy. The CCC will lead the roll out of the Green Jobs 287 Assessment and Certification System Technical Guidelines to stimulate private sector 288 demand for green jobs. An online application platform will be developed to streamline the 289 Green Jobs Certification process and facilitate wider adoption. Likewise, TESDA, CHED, 290 and DTI will continue the implementation of programs that aim to reskill and upskill 291 affected personnel while ensuring responsiveness to the demands of both local and 292 global green labor market through regular monitoring and reporting. Cross-cutting 293 Strategy: Improved Governance and Intersectionality of Climate Change and Natural 294 Hazard Resilience

295 Improve national and local climate and risk data and information management system. 296 The Department of Human Settlements and Urban Development (DHSUD) and 297 Department of Science and Technology (DOST) will automate the integration of climate 298 and risk data into land use and settlement planning through the PlanSmart for Sustainable 299 Human Settlements digital platform. The DENR will adopt a national policy on integrated 300 geospatial information management to harmonize geospatially related programs across 301 sectors and enable more coordinated planning and decision-making. Meanwhile, the 302 DEPDev, together with DILG and OCD, will develop and roll out the Resilience Index to 303 provincial LGUs to assess local resilience capacities and identify areas for improvement.

304 Scale up the mobilization of sustainable finance from public and private sources. Climate 305 change expenditure tagging for public funds will be enhanced to align with the priorities 306 under the NAP and Nationally Determined Contribution Implementation Plan (NDCIP). 307 Similarly, the PSF will incorporate NAP priorities in the selection criteria, as well as include 308 a dedicated funding stream for nature-based solutions to encourage development of 309 community resilience initiatives with ecosystem rehabilitation co-benefits. The DOF will 310 develop a dashboard containing information on fund utilization, project beneficiaries, and 311 other relevant information that will support access to the PSF.

Meanwhile, the Interagency Task Force on Sustainable Finance will develop the Climate Finance Strategy to organize and accelerate resource flows for climate action. It will also establish a sustainable finance platform that consolidates ongoing and pipeline projects, and investment opportunities aligned with the NAP and NDCIP. To enhance stakeholder coordination, the Task Force will establish a forum to facilitate engagement with the private sector and other key stakeholders.

On biodiversity financing, the DENR will explore biodiversity credits⁵ to attract private sector investment in line with their sustainability targets. The DENR will also institutionalize the development of finance management plans for protected areas to support the implementation of biodiversity conservation priorities.

322 Scale up natural capital accounting and valuation of ecosystem services. DENR, PSA, 323 and DEPDev will operationalize key components of the NCA roadmap as mandated by 324 the PENCAS Act IRR. PSA will develop asset accounts for fisheries, non-metallic 325 minerals, and air and water emissions, as well as energy flow accounts. The development 326 of site-specific and area-based ecosystems will be guided by the NCA Roadmap and 327 forthcoming ENR Framework, which provides strategic direction on safeguarding 328 ecosystems resilience while promoting inclusive growth. To consolidate existing accounts, 329 the DENR will also spearhead the development of the NCA information system.

330 Accelerate implementation of sustainable consumption and production practices.* In the 331 remaining plan period, the government will ramp up its efforts toward creating resource-332 efficient pathways in pursuit of a more sustainable, resilient, and climate-smart future. To 333 enable this, the government will (a) establish appropriate policies on guota systems to 334 manage the extraction of natural resources, (b) strengthen research and innovation 335 towards developing green technologies that enhance resource efficiency, and (c) 336 influence consumer preferences in green markets to boost resource-efficient growth, 337 among others. The recently developed Material Flow Accounts will also be utilized to 338 monitor resource efficiency and assess environmental pressures arising from natural 339 resource use, thereby informing more targeted and evidence-based policy interventions 340 for sustainable resource management (See with Subchapter 2.3).

341 **Targets**

Community resilience indicators have not met targets in the past two years, while ecosystem resilience indicators have shown steady progress. This suggests opportunities to strengthen the link between ecosystem and community resilience remain underutilized, limiting the potential for integrated planning and cross-sectoral decision—making. Enhancing this nexus will support more impactful and scalable resilience-building outcomes. To address gaps in monitoring and evaluation of low-carbon economy

⁵ Biodiversity credit is an emerging innovative financial tool designed to address biodiversity finance gaps by quantifying and monetizing positive biodiversity outcomes and can be marketed to enterprises aiming to meet corporate environmental, social, and governance (ESG) commitment.

348 strategies, the Government will mandate the annual conduct of GHG emissions 349 inventories and support the enhancement of technical capacity to sustain this effort.

Table 15.3 Updated Results Matrix: Accelerate Climate Action and Strengthen Disaster Resilience

| Indicator ⁶ | Baseline Value (Year) | Accomplishment | | Updated Targets | | | Means of | Responsible Agency/ |
|---|---|----------------|----------------|---------------------------|---------------------------|---------------------------|---|------------------------|
| | | 2023 | 2024 | 2026 | 2027 | 2028 | Verification | Inter-agency body |
| Outcome 1: Clim | Outcome 1: Climate and disaster risk resilience of communities and institutions increased | | | | | | | |
| Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 | | | | | | | | ,000 |
| population decre | | | | | | | | |
| Number of deaths | 0.4460 (2021) | 0.463 | 0.840 | 0.3345 | 0.3122 | 0.2899 | Progress Report | OCD |
| Number of missing persons | 0.0240 (2021) | 0.079 | 0.120 | 0.018 | 0.0168 | 0.0156 | Progress Report | OCD |
| Number of directly affected persons | 4,558.95 (2021) | 11,969.379 | 26,924.34 4 | 3,419.21 | 3,191.27 | 2,963.32 | Progress Report | OCD |
| Number of LGUs with Resilience Index developed | 0 (2021) | N/A | N/A | 1 | 2 | 3 | Progress Report | DILG, OCD, DEPDev |
| Outcome 2: Eco | system Res | ilience Enha | inced | | | | | |
| Forest Cover Increased (%) | 24.09 (2020) | 24.60 | 24.61 | 24.95 | 25.13 | 25.23 | Progress Report and Updated Land Cover Maps | DENR |
| Employment generated from resource-based enterprises or industries increased* | 58,633 (2020) | 159,750 | 131,117 | 83,058 | 84,465 | 72,881 | Annual Report | DENR |
| Coverage of protected areas in relation to marine areas increased (%) | 1.42 | 1.42 | 1.42 | 1.64 | 1.74 | 1.85 | Progress Report | DENR |
| Revenues generated from protected area management increased*** | PHP 326,583, 196 | N/A | N/A | PHP 360,057, 973.59 | PHP 378,060, 872.27 | PHP 396,963, 915.88 | Progress Report on Integrated Protected | DENR |

⁶ Building on the gains and lessons learned from the past two years, the DENR has replaced its methodology of accounting for the **employment generated from resource-based enterprises or industries**. From targeting increasing number of families employed through Family Approach (DENR-Forest Management Bureau Technical Bulletin No. 30), it now accounts for the number of individuals through People's Organizations engaged in resource-based enterprises developed through the ENGP.

| | | | | | | | Area Fund (IPAF) | |
|--|----------------|-------------|--------------|----------------|----------------|----------------|---|-------------------|
| Outcome 3: Low | -carbon eco | onomy trans | ition enable | d | | | (, | |
| Mitigated GHG emissions increased (MtCO2e)** | | | | | | | | |
| Energy | 0 (2019) | No data | No data | 0.59 | 0.69 | 0.78 | Admin Data | DOE |
| RE Share in Power Generation (%) | 22.1 (2022) | 23.56 | No Data | 28.71 | 30,31 | 31.87 | Annual Report | DOE |
| Industrial process and product use | 0 (2019) | No data | No data | 0.54 | 0.62 | 0.71 | Admin Data | DENR |
| Waste | 0 (2019) | No data | No data | 0.89 | 1.04 | 1.08 | Admin Data | DENR |
| Transport | 0 (2019) | No data | No data | 4.37 | 4.86 | 5.14 | Admin Data | DOTr |
| Cross-cutting: Low-carbon economy transition enabled | | | | | | | | |
| Percentage share of climate expenditures under national budget (%) | 5.7 (2022) | 8.82 | 7.93 | 10 | 11 | 12 | Climate Change Expenditure Tagging | ССС |
| Material Footprint (kg/GDP) maintained or decreased*** | 8.0 (2021) | 8.6 | 9.0 | decreas ing | decrea sing | decrea sing | Annual Reports | DENR, CCC, PSA |

* This only accounts for the employment generated from ENGP Implementation.

** Targets are limited to the unconditional policies and measures under the Philippines' Nationally Determined Contribution

352 353 354 *** For finalization of responsible agency/inter-agency body

Legislative Agenda 355

- 356 For the rest of the Plan period, the following key legislative agenda will be pursued to
- 357 strengthen the protection and management of natural resources toward sustainable and 358 climate-resilient development.

359 Table 15.4 Legislative agenda to Accelerate Climate Action and Strengthen

360 **Disaster Resilience**

| Legislative Agenda | Rationale/Key Features | Responsible Agency |
|--|--|---|
| Blue Economy Act | Establish a framework for blue economy that will guide the country in pursuing stewardship and sustainable development of coastal and marine ecosystems and resources in a manner that provides long-term economic and social benefits while building resilience to climate change and without compromising the safety of our marine ecosystems. | The Executive Secretary, DENR, and DEPDev |
| State of Imminent Disaster Bill See Chapter 3.1 (EI Nino/La Nina Action Plan) | Defines anticipatory action and early action protocols and establishes a mechanism to mobilize disaster prevention and preparedness measures following declaration of state of imminent disaster. | OCD-DND, DILG |
| Philippine Environmental Assessment System/ | Expand the existing framework for the Philippine Environmental Impact Statement System (PD 1586) through the adoption of Strategic Environment Assessment (SEA) which enables a more | DENR, DOST |

| Environmental Impact Assessment Act | systematic and comprehensive assessment of the impacts of policies, plans and programs on the environment. | |
|---|---|-----------|
| Sustainable Forest Management Act | Seeks to enhance forest ecosystems through reforestation and rehabilitation to help improve ecosystem functions, provide long- term economic benefits, and combat climate change. | DENR |
| Land Administration Reform Act | Upgrade, systematize, and integrate the administration, management, and operations of the country's land resources. | DENR, LRA |
| Revised Wildlife Resources Conservation and Protection Act of 2022 | Strengthen enforcement and penalties under the existing RA No. 9147, focusing on better protection of wildlife resources by addressing crime of "wildlife trafficking, control and management mechanism for invasive alien species, and provides guidelines on the collection, possession and transport of wildlife, its by- products and derivatives. | DENR |
| National Wetlands Conservation Act | Seeks to provide the enabling policy environment to implement initiatives geared toward the protection and conservation of the country's wetlands and its resources. | DENR |