ADB Regional Opportunities: ASEAN & the Pacific

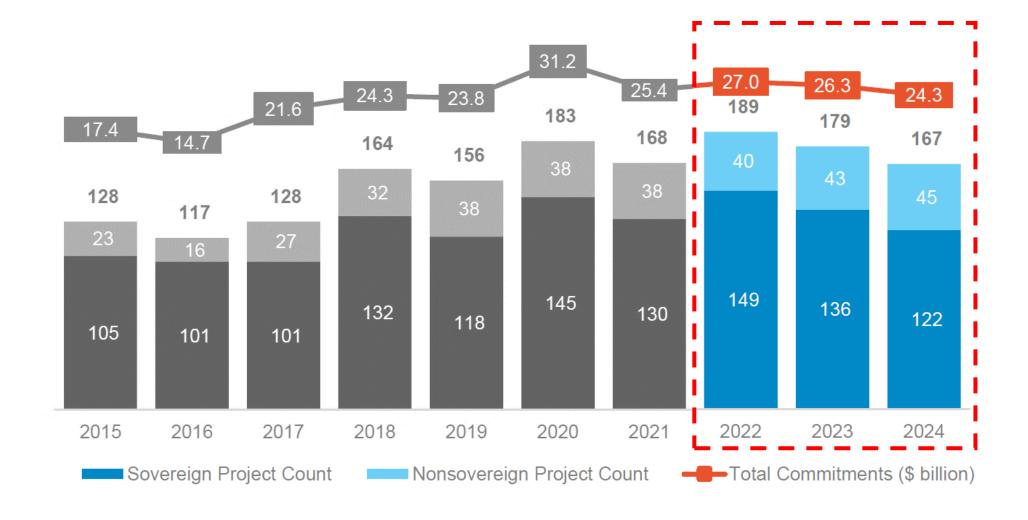
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ADB Pipeline 2022 – 2024 (all regions)







Projected Operations 2022-2024 = \$78 Billion





ADB's future pipeline of projects with its developing members is subject to change, both in terms of the type and number of projects and related value



\$17.5bn



ADB Business Opportunities Seminar



Transport – Expected Trends

The focus of future ADB assistance will cover the following:

- i. Infrastructure through the development of integrated, multimodal transport systems that provide equitable access through rural, urban, and regional connectivity; including transformational new infrastructure and more traditional road subsector projects, as well as the maintenance, operations, and management of existing transport sector assets.
- ii. An increased focus on asset management and institutional capacity in the roads and rail subsectors.
- iii. Modern technologies and innovation will be embedded in ADB's support, such as the use of ITS/ICV (Intelligent connected vehicles), drone-based road infrastructure inspection and maintenance, and use of big data to support urban transport assistance.
- iv. ADB will continue to respond to the needs of the DMCs to address the impact of COVID-19 to the transport sector.





Transport – Key Messages

Sub-sector focus:

- Roads still important (Regional connectivity, Asset Management, Road Safety)
- Rail (National rail systems, institutions and operations)
- Urban transport (metro, bus, NMT)

Changing demands from clients:

- Efficiency gains
- Value addition

Incorporate new technologies and applications:

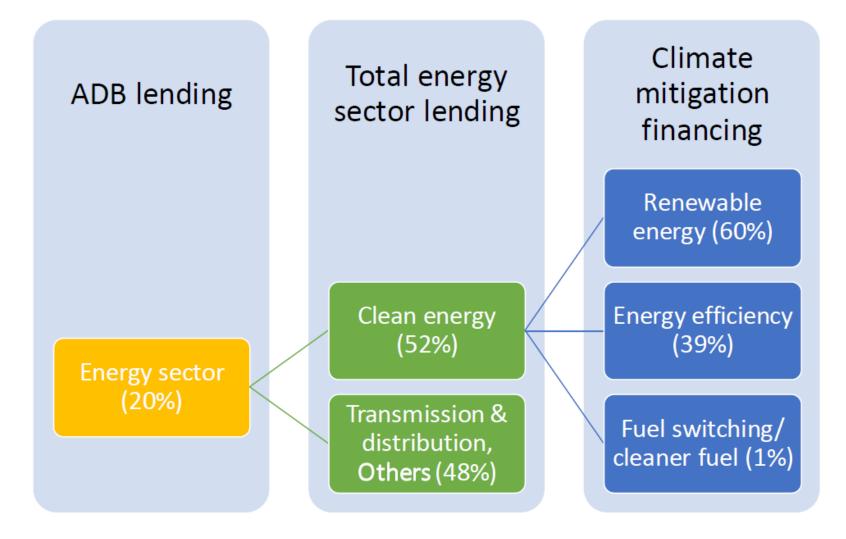
- Systems management
- Use of data (operators and users)
- Emerging technologies (e-vehicles, advanced digital technologies)





Energy - Sector Portfolio, 2011–2021

(annual average share)







Energy – ADB's Energy policy

- Approved on 20 October 2021
- Prioritizes energy efficiency, renewable energy, energy storage, decarbonization and electricity transmission and distribution expansion and upgrade
- Supports energy policy reforms, long-term planning, regional cooperation and greater private sector participation
- Promotes use of smart, digital, innovative and best available technologies
- Focuses on delivering an inclusive, resilient and just transition
- Formalized ADB's established practice of not financing new coal-fired power and heating plants.
- Selective on financing storage hydropower plants
- No financing of nuclear energy





Water & Urban Services – Expected Trends

- Projects will be focused on strengthening the resilience of water resources and water-related infrastructure and services to the effects of climate change and reducing vulnerability to water-related risks
- In addition to the core areas of water supply, sanitation, drainage, and solid waste management, ADB's urban development work will also focus on promoting social inclusion and people-centric urban development.
- In urban areas, increased efforts will be made to promote improved water efficiency through reductions non-revenue water and water reuse.
- Improved asset management practices is critical for more efficient water use and sustainability. Digitization and the use of other high-level technologies such as remote sensing will assist these efforts. More contracting of private sector in O&M period following completion of capital investment projects will increase the asset lifecycle.
- ADB will support sector reforms through its policy-based lending and provide technical assistance to support improvements in the enabling environment, improved creditworthiness of water entities and greater private sector participation, for example through the strengthening of water sector regulatory frameworks.





Agriculture & Natural Resources – Expected Trends

- In 2019-2021, ANR projects mostly focused on irrigation; water-based natural resources management; agricultural value chain development; natural resources management and green recovery; livelihood and micro-, small- and medium enterprises support; agro-industry, marketing, and trade; climate-resilient infrastructure; and COVID-19 response and recovery.
- For 2022-2025, ANR projects will continue to focus on these areas with the addition of coastal resilience; circular economy; and net zero agriculture, among others.
- From 2023-2025, ADB has an estimated rolling project pipeline for ANR at \$3.2 billion in 2023, \$2.5 billion in 2024 and \$3.0 billion in 2025.
- ADB's South Asia Department has the highest planned investments, followed by Southeast Asia Department, and East Asia Department.







Education – Areas supported by new projects

- The Education Operations Pipeline for 2023-25 amounts to around \$ 4.2 billion.
- At the sub-sector level, tertiary education will increase from less than 15% to over 30% while TVET will remain around one-third, followed by secondary education.

K-12

- STEM/STEAM; science for girls
- Coding, digital skills
 Online learning with instructional design
 Foundation skills, soft skills
- Student learning assessment; exam reforms
- New pedagogies; teacher training

TVET

- Skills for fourth industrial revolution
- Skills for climate resilient and green occupations
- Skills for health workforce, aging population and care economy
- Skills for hi-tech agriculture
- Advanced skills (tertiary)
- Skills University
- Real time job market forecasting
- Al-based job matching platforms

Higher education

- Research, innovation, start-up ecosystems
- Higher order digital talent
- Advanced skills in science and new technologies
- Digital credentials, blockchain for qualifications
- Corporate research partnerships
- Accelerators and incubators and entrepreneurship



Health - Sector Opportunities

- The health lending and grants pipeline projection indicates \$2.3B worth of projects for 2023 and \$1.1B for 2024.
- Health is a renewed priority for many governments, and ADB is actively developing its pipeline in areas such as investment projects in health workforce training and health infrastructure (including pharmaceutical sector).
- ADB will continue to focus on strengths in supporting health sector reform. Projects financing health workforce training institutions with potential public-private partnership offers a new area of growth in lending in South Asia in particular.









Pacific Department

Project Pipeline





FIJ = Fiji

FSM = Federated States of

Micronesia

KIR = Kiribati

NAU = Nauru

NIU = Niue

PAL = Palau

PNG =Papua New Guinea

RMI = Marshall Islands

SAM = Samoa

SOL = Solomon Islands

TON = Tonga

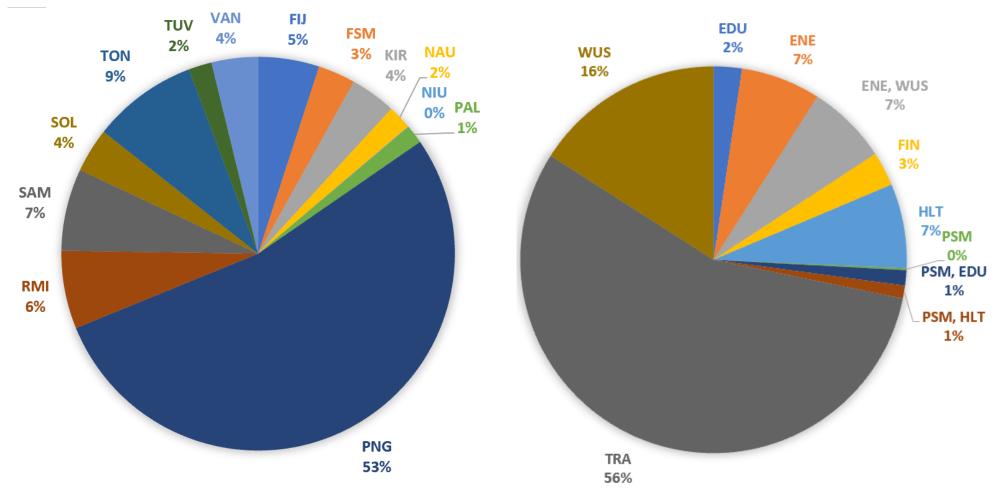
TUV = Tuvalu

VAN = Vanuatu



PARD Indicative New Project Pipeline 2023

Total Value of Project Financing = \$1,255 Million across 32 Investment Projects





\$ = <\$20M \$\$ = 20-49.9M \$\$\$ = 50-99.9M \$\$\$\$ = 100-199.9M \$\$\$\$ = ≥200M

^{*} Approval for projects classified as standby may move to the subsequent year



PARD: Indicative Project Pipeline 2023

Sector	DMC	Status	Project Name	Financing
EDU	SOL	Firm	Senior Secondary Education Improvement Project	\$\$
EDU	VAN	Firm	Education Sector Project	\$
ENE	FIJ	Standby	Rural Electrification Project	\$
ENE	FSM	Firm	Climate Resilient Energy and Water Project	\$\$
ENE	KIR	Firm	Climate-Adapted Renewable Energy Project	\$\$
ENE	NIU	Firm	Building Niue's Resilience to Climate Change and Disasters caused by Natural Hazards	\$
ENE	PAL	Firm	Grid Upgrade for Renewable Integration Project	\$
ENE	RMI	Firm	Marshall Islands Electrification Project, Phase 2	\$
ENE	TUV	Firm	Increasing Access to Renewable Energy Project, Phase 2	\$
ENE, WUS	SAM	Firm	Alaoa Multi-Purpose Dam Project	\$\$\$
FIN	PNG	Firm	Improving Financial Access and Entrepreneurship Development Project	\$\$
HLT	KIR	Firm	Kiribati Health Infrastructure Project	\$\$
HLT	PNG	Firm	Health Services Sector Development Program (additional financing)	\$\$\$
PSM	RMI	Standby	Public Financial Management Project, Phase 2	\$
PSM, EDU	RMI	Standby	Youth Skills Development and Employment Project	\$
PSM, HLT	TON	Firm	Integrated Aged Care Project	\$



\$ = <\$20M \$\$ = 20-49.9M \$\$\$ = 50-99.9M \$\$\$\$ = 100-199.9M \$\$\$\$ = ≥200M

^{*} Approval for projects classified as standby may move to the subsequent year



PARD: Indicative Project Pipeline 2023 (cont.d)

Sector	DMC	Status	Project Name	Financing
TRA	FIJ	Standby	Bridge Replacement Project	\$\$\$
TRA	PNG	Firm	Civil Aviation Development Investment Project Phase 2	\$\$\$\$
TRA	PNG	Firm	Sustainable Highlands Region Core Road Network Project, Phase 1	\$\$\$\$
TRA	PNG	Firm	Sustainable Highlands Highway Investment Program (Tranche 3)	\$\$\$\$\$
TRA	TON	Firm	Nuku'alofa Port Upgrade Project (additional financing)	\$\$
TRA	TON	Standby	Fanga'uta Lagoon Bridge Project	\$\$\$
TRA	TUV	Firm	Outer Island Maritime Infrastructure Project – 3 rd AF (Niu)	\$
WUS	FSM	Firm	Chuuk Water Supply and Sanitation Project, additional financing	\$
WUS	NAU	Standby	Nauru Sustainable Urban Development Project	\$\$
WUS	PAL	Firm	Koror-Airai Sanitation Project, additional financing	\$
WUS	PNG	Standby	Urban Water Supply and Sanitation Project	\$\$
WUS	RMI	Firm	Integrated Urban Services Improvement Project	\$\$\$
WUS	SOL	Standby	Noro-Munda Sustainable Waste Management Project	\$
WUS	SOL	Standby	Honiara Sustainable Solid Waste Management Project	\$
WUS	TUV	Firm	Funafuti Water and Sanitation Project	\$
WUS	VAN	Standby	Luganville Urban Water and Sanitation Project	\$\$



COO = Cook Islands

FSM = Federated States of

Micronesia

NAU = Nauru

PAL = Palau

PNG =Papua New Guinea

RMI = Marshall Islands

SAM = Samoa

SOL = Solomon Islands

TON = Tonga

VAN = Vanuatu

ENE = Energy

HLT = Health

ICT = Information &

Communication Technology

PSM = Public Sector Management

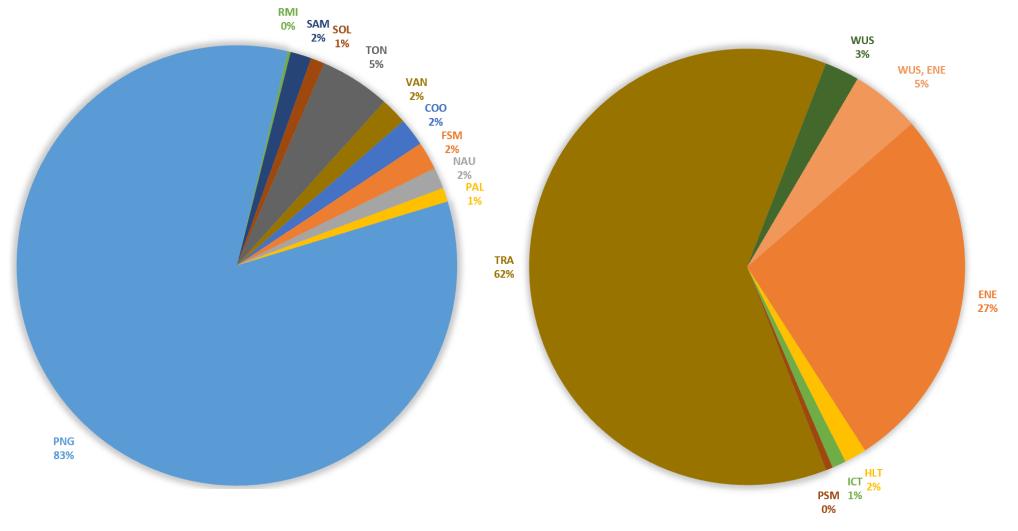
TRA = Transport

WUS = Water and other Urban Infrastructure & Services



PARD Indicative Project Pipeline 2024

Total Value of Project Financing = \$971 million across 14 Investment Projects





\$ = <\$20M \$\$ = 20-49.9M \$\$\$ = 50-99.9M \$\$\$\$ = 100-199.9M \$\$\$\$ = ≥200M

^{*} Approval for projects classified as standby may move to the subsequent year



PARD Indicative Project Pipeline 2024

Sector	DMC Status	Project Name	Financing
ENE	PNG Firm	Clean Energy Development Project	\$\$\$\$\$
ENE	SAM Standby	Smart Grid Project	\$
HLT	RMI Standby	Strengthening Health Care Services in the RMI	\$
HLT	SOL Firm	Health Sector Project	\$
HLT	VAN Standby	Promoting Healthy Lifestyle Project	\$
ICT	NAU Standby	ICT Project	\$
PSM	NAU Firm	Social Protection Project	\$
TRA	COO Standby	Rarotonga Airport Infrastructure Upgrade Project	\$\$
TRA	FSM Firm	Sustainable Road Infrastructure Investment Project	\$\$
TRA	PNG Standby	Sustainable Highlands Region Core Road Network Project (Phase 2)	\$\$\$\$\$
WUS	PAL Firm	Babeldaob Island Urban Resilience Project	\$
WUS	VAN Firm	Greater Port Vila Urban Resilience Project, additional financing	\$
WUS, ENE	TON Standby	Tonga Climate Resilience Pathway	\$\$\$



Transport

Roads

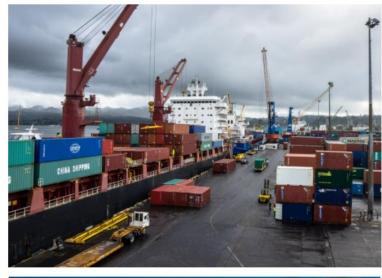
 Development and improvement of arterial, provincial roads, and rural roads and bridges (PNG, FIJ, KIR, SOL, VAN)

Maritime

 Enhancing climate and disaster resilience of international ports, domestic ports, harbors and jetties, shipping, green and smart ports concepts (PNG, SAM, NAU, SOL, TUV, VAN)

Aviation

Improving connectivity through domestic aviation (PNG)









Energy

Focus Areas:

- Development of Renewable Energy Resources
- Promotion of Energy Efficiency
- Maximization of Access to Energy for All
- Promotion of Energy
 Sector Reform and
 Capacity Development







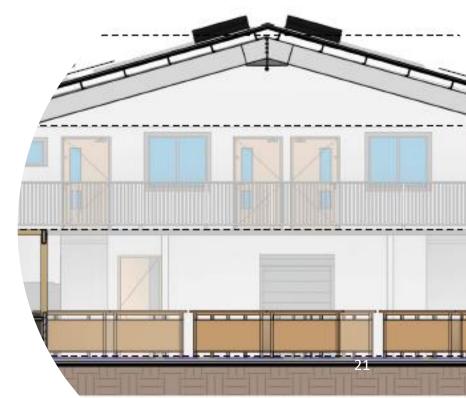
Upcoming
Tenders Vanuatu Emergency
Shelters



Procurement Type: Civil Works

• Estimated Value: \$5.5-\$6m

- Scope: Construction of 2 multi-purpose emergency shelters in Port Vila
- Expected Advertisement: Q2, 2023



<u>Upcoming Tenders</u> -Kiribati – Water Distribution System upgrade and O&M

Procurement Type: Civil Works

• Estimated Value: \$39M

 Scope: Upgrade of the Water Distribution System and associated operations and maintenance activities.

Expected advertisement: Q4, 2022/Q1, 2023





ANR = Agriculture, natural resources, and rural development

EDU = Education

ENE = Energy

FIN = Finance

HLT = Health

ICT = Information &

Communication Technology

IND = Industry & Trade

PSM = Public Sector Management

TRA = Transport

WUS = Water and other Urban

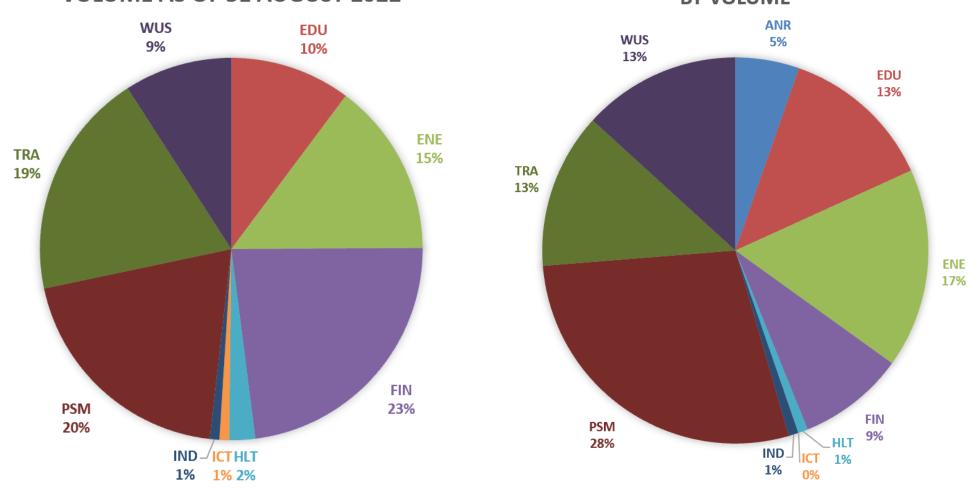
Infrastructure & Services

BUSINESS OPPORTUNITIES

Pacific Technical Assistance Portfolio

PARD ACTIVE TA PORTFOLIO BY SECTOR
VOLUME AS OF 31 AUGUST 2022

2024 PROJECTED TA PORTFOLIO SECTORAL BREAKDOWN
BY VOLUME



Note: Approx. 85% of all TA financing in the pacific flows through Regional TA projects, rather than individual DMC TA projects







Southeast Asia Department

Project Pipeline





CAM = Cambodia

INO = Indonesia

LAO =Lao PDR

PHI = Philippines

THA = Thailand

TIM = Timor Leste

VIE =Viet Nam

ANR = Agriculture, natural resources, and rural development

EDU = Education

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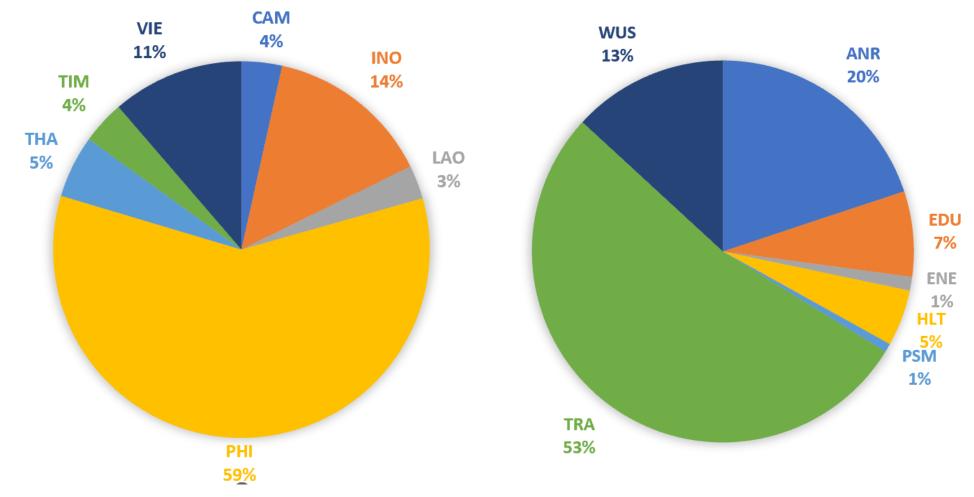
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SERD Indicative Project Pipeline 2023

Total Value of Project Financing = \$6.9 billion across 30 projects





\$ = \$0-24.9M \$\$ = \$25-99.9M \$\$\$ = \$100-249.9M \$\$\$\$ \$250-499.9M \$\$\$\$\$ = >\$500M

* Approval for projects classified as standby may move to the subsequent year



SERD: Indicative Project Pipeline 2023

Sector	DMC	Project Name	Total Financing
ANR	CAM	Integrated Water Resources Management Project	\$\$\$
ANR	INO	Horticulture Development of Dryland Areas Project	\$\$\$
ANR	INO	Flood Management and Coastal Protection in North Java	\$\$\$\$
ANR	LAO	Flood and Drought Mitigation and Management Project	\$\$
ANR	LAO	GMS Cross-Border Livestock Health and Value Chains Improvement Project	\$\$
ANR	PHI	Mindanao Irrigation Development Project, Phase 1	\$\$\$
ANR	PHI	Integrated Flood Resilience and Adaptation Project 1	\$\$\$\$
ANR	TIM	Agriculture Improvement and Water Harvesting Project	\$\$
ANR	VIE	Climate Adaptation Through Irrigation Modernization Sector Project	\$\$
ANR	VIE	Climate Adaptive Integrated Flood Risk Management Project	\$\$\$
EDU	PHI	Expanded Social Assistance Project, Additional Financing	\$\$\$\$\$
ENE	CAM	Grid Reinforcement Project - Additional Financing	\$\$
HLT	LAO	Greater Mekong Subregion Border Areas Health Project	\$
HLT	LAO	Improving the Quality of Health Care Project	\$\$
HLT	THA	Thailand Medical Excellence Centers	\$\$\$\$



\$ = \$0-24.9M \$\$ = \$25-99.9M \$\$\$ = \$100-249.9M \$\$\$\$ \$250-499.9M \$\$\$\$ = >\$500M

* Approval for projects classified as standby may move to the subsequent year



SERD: Indicative Project Pipeline 2023 (cont.d)

Sector	DMC	Project Name	Amount
PSM	TIM	e-Government Development and Infrastructure Project	\$\$
TRA	INO	Trans South-South Java Road Project	\$\$\$\$
TRA	PHI	Bataan-Cavite Interlink Project, PFR1	\$\$\$\$\$
TRA	PHI	Laguna Lakeshore Road Network Project, PFR1	\$\$\$\$
TRA	PHI	Malolos-Clark Railway Project, PFR2	\$\$\$\$
TRA	THA	Intercity Motorway No. 7 (Extension to link with U-Tapao Airport)	\$\$\$
TRA	TIM	East to South Coast Road Connectivity Project	\$\$\$
TRA	VIE	Climate Resilient Inclusive Infrastructure for Ethnic Minorities Project II (CRIEM 2)	\$\$
TRA	VIE	Hoa Binh Tourism Infrastructure Development	\$\$
WUS	INO	Citywide Inclusive Sanitation Project	\$\$\$\$
WUS	LAO	Water Supply Sector Project	\$\$
WUS	PHI	Baguio Resilient City Tourism Project	\$\$
WUS	PHI	Sustainable Tourism Development Project	\$\$\$
WUS	VIE	Lao Cai Sustainable Urban and Infrastructure Development Project	\$\$
WUS	VIE	Ho Chi Minh City Climate Resilient Urban Services Project (CRUS 1) - Tham Luong- Ben Cat Catchment	\$\$\$\$



CAM = Cambodia

INO = Indonesia

LAO =Lao PDR

PHI = Philippines

THA = Thailand

TIM = Timor Leste

VIE =Viet Nam

ANR = Agriculture, natural resources, and rural development

EDU = Education

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FIN = Finance

HLT = Health

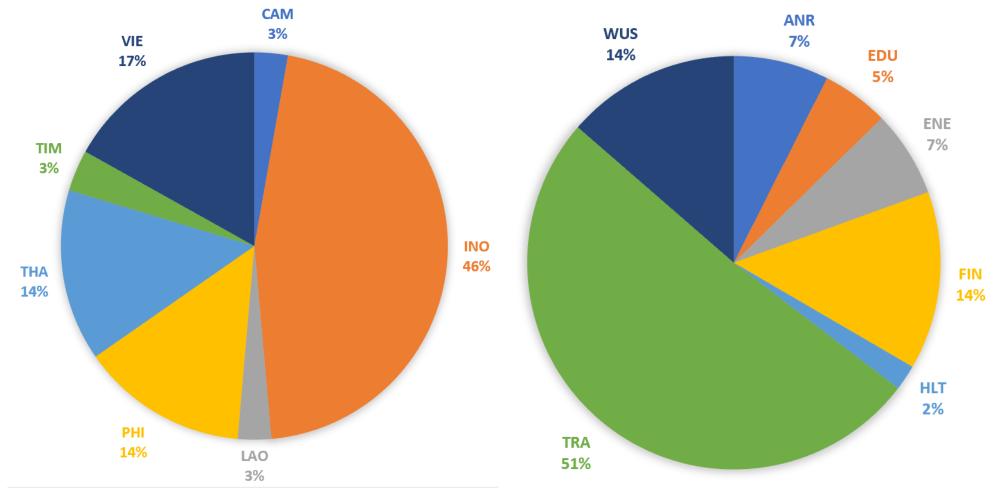
TRA = Transport

WUS = Water and other Urban Infrastructure & Services



SERD Indicative Project Pipeline 2024

Total Value of Project Financing = \$5.0 billion across 28 projects





\$ = \$0-24.9M \$\$ = \$25-99.9M \$\$\$ = \$100-249.9M \$\$\$\$ \$250-499.9M \$\$\$\$ = >\$500M

* Approval for projects classified as standby may move to the subsequent year



SERD: Indicative Project Pipeline 2024

Sector	DMC	Project Name	Amount
ANR	PHI	Mindanao Agro-Enterprise Development Project	\$\$\$
ANR	VIE	Restoration of sustainable management of the coastal forests in the Mekong Delta	\$\$
ANR	VIE	Climate Change Adaptation of Nam Dinh Water Resources System	\$\$
ANR	VIE	Climate-Smart Agriculture Value Chain Infrastructure Development Project Phase 1 (Dak Nong; Gia Lao and Thai Nguyen)	\$\$\$
EDU	INO	Strengthening Indonesia's Civil Service Project	\$\$\$
EDU	LAO	Skill Development for Inclusive and Sustainable Growth	\$\$
EDU	TIM	Workforce and Skills Development Project	\$\$
ENE	CAM	National Project on Energy Storage for Utility-Scale Solar Plants	\$\$
ENE	INO	Geothermal Power Expansion Project	\$\$\$\$
FIN	INO	Sustainable Development Goals Indonesia One: Green Financing Facility (Additional Financing)	\$\$\$
FIN	THA	Thailand Green Finance and innovation Facility for Investments Projects	\$\$\$\$\$
HLT	PHI	Health System Enhancement to Address and Limit COVID-19 (Additional Financing)	\$\$\$



\$ = \$0-24.9M \$\$ = \$25-99.9M \$\$\$ = \$100-249.9M \$\$\$\$ \$250-499.9M \$\$\$\$\$ = >\$500M

^{*} Approval for projects classified as standby may move to the subsequent year



SERD: Indicative Project Pipeline 2024 (cont.d)

Sector	DMC	Project Name	Amount
TRA	INO	Trans-Sumatra Toll Road Project	\$\$\$\$
TRA	INO	National Roads Development Project (Kalimantan)	\$\$\$\$
TRA	INO	Jakarta Mass Rapid Transit East-West Line Project (Urban Mass Transport Project)	\$\$\$\$
TRA	LAO	Second Northern GMS Transport Network Improvement Project Phase 2	\$\$
TRA	THA	Road Network from Udon Thani to Bueng Kan	\$\$\$
TRA	TIM	Timor Leste Public Transport Project	\$\$
TRA	VIE	Climate Resilient Inclusive Infrastructure for Ethnic Minorities Project 3 (CRIEM 3)	\$\$
TRA	VIE	Hoa Binh Tourism Infrastructure Development	\$\$
WUS	CAM	Livable Cities Investment Project, Phase 2	\$\$\$
WUS	LAO	Urban Environment Improvement Investment Project	\$\$
WUS	TIM	Water Supply and Sanitation Investment Project, Phase 2	\$\$\$
WUS	VIE	The Go Dau (Tay Ninh) Urban Infrastructure for Climate Resilience Project	\$\$
WUS	VIE	Priority Infrastructure for Climate Adaptation in Ha Tinh City	\$\$\$
WUS	VIE	Secondary Cities Environment Improvement Project	\$\$\$
WUS	VIE	Mekong Delta Master Plan Project 1	\$\$\$



Transport

Regional Cooperation

- Deepen GMS corridor connectivity and developing multi-model transport projects (CAM)
- Improve the ongoing portfolio implementation and continue support to enhancing GMS connectivity and climate change resilient infrastructure (VIE)

Urban transport

- Address continuing challenges in congestion and pollution (PHI)
- Continue dialogue with the Government for possible lending operations for mass rapid transit development, including PPP opportunities (THA)

Road and Rail

 Improving the national highway network, railway and building institutional capacity (PHI)





Multi-sectors

 Continue dialogue with the Government for possible lending operations for transport projects in various sub-sectors (INO)



Projects & Tenders - www.adb.org/projects

