

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM

ANNUAL REPORT 2024

Annexes



TABLE OF CONTENTS

RESULTS AND TARGETS ACHIEVED, FY2024	1
ESMAP NEW, ONGOING, AND CLOSED ACTIVITIES, FY2024	17
ESMAP PUBLICATIONS, FY2024	82

ANNEX A

RESULTS AND TARGETS ACHIEVED, FY2024

These are ESMAP results for FY2021-24 after recalibration in Spring FY2024. Detailed progress descriptions are provided at: <https://esmap.org/activities?type=businessPlanFramework>

Acronyms

ASA	Advisory Services and Analytics
EAPP	East African Power Pool
GHG	Greenhouse Gases
MTF	Multi-Tier Framework
PV	Photovoltaics (solar)
RE	Renewable Energy
RBF	Results-Based Financing
SAPP	South African Power Pool
WAPP	West African Power Pool

Regions

AFR	Africa
EAP	East Asia and Pacific
ECA	Europe and Central Asia
LCR	Latin America and the Caribbean
MNA	Middle East and North Africa
SAR	South Asia

FOUNDATIONS FOR ENERGY TRANSITION

OUTCOME 1: Improved affordability of power	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1.1 Reduction in average cost of power supplied	88%	88%	70%	70%
OUTCOME 2: Improved financial viability of power sector	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
2.1 RISE score on utility creditworthiness reaches the green threshold in all ESMAP supported countries	NA	NA	50%	75%
OUTCOME 3: Electricity sector carbon intensity reduced	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
3.1 Carbon per unit of power generated gCO ₂ /kWh	791	791	700	700
OUTCOME 4: Fiscal burden of power sector reduced	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
4.1 Reduction in fiscal transfers to the power sector in the countries receiving ESMAP support during business plan (\$ Billion)	0.1	3.3	4.7	5.2

OUTCOME 5: Increased share of female employees, leaders, entrepreneurs and consumers in the energy sector	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
5.1 Increased share of female employees in energy sector WB projects	23%	39%	7%	10%

5.2 Increased share of women entrepreneurs in energy sector WB projects	10%	10%	10%	10%
---	-----	-----	-----	-----

INTERMEDIATE OUTCOME 1: Power System has Capacity, Flexibility, Financial Strength to deliver Energy Transition	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
--	----------------------------	--	--	---

1.1 Volume of WB lending that contributes to the achievement of the Outcomes through identified aspects (\$ Billion)	1.6	14.2	22.4	30.7
--	-----	------	------	------

1.2 Number of utilities that have implemented process changes consistent with new business models and technologies	8	17	25	35
--	---	----	----	----

1.3 Number of regulators that take account of technology disruptions in regulations issued	5	21	6	10
--	---	----	---	----

1.4 Number of countries with implementation roadmaps developed for Just Transition	0	1	1	3
--	---	---	---	---

1.5 Percentage of ESMAP-supported countries adopting improved policy and regulation for sustainable energy	100%	100%	75%	100%
--	------	------	-----	------

1.6 Increased power trade (between countries) (TWh)	17.98	17.98	5	10
---	-------	-------	---	----

1.7 Number of countries with new markets for energy services	0	13	20	20
--	---	----	----	----

1.8 Countries inter-connected and trading (number)	45	45	20	22
--	----	----	----	----

1.9 Number of countries with official plans to reform energy subsidies (including reforming social protection, incorporating energy efficiency measures, and implementing communication campaigns as part of subsidy reform efforts)	4	25	16	18
--	---	----	----	----

1.10 Number of countries that have strengthened their social protection systems to ensure the poor are not worse off due to energy subsidy reforms	1	13	8	10
--	---	----	---	----

1.11 Coal capacity reduced through coal plant retirement/repurposing	0	0	3	6.6
--	---	---	---	-----

1.12 Private co-financing mobilized (including MDB and private TF financing, e.g., Green Climate Fund (GCF)) (\$ Billion)	0.03	0.12	1.5	2.3
---	------	------	-----	-----

INTERMEDIATE OUTCOME 2: World Bank has Expanded Support to Promoting Gender Equality in the Energy Sector	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
2.1. % of WB projects supported by ESMAP to meet Gender Tag to close gaps between women and men (in access, entrepreneurship, and employment)	92%	92%	85%	90%
INTERMEDIATE OUTCOME 3: Countries have Supported Employment Opportunities for Women in the Energy Sector	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
3.1 Number of additional countries that have adopted policies or plans to enhance women's employment at the utility level [across recruitment, retention and promotion with a focus on equal pay, training, child care, etc.]	13	29	10	15
3.2 Number of additional countries supported by WB Development Policy Financing that integrate a focus on closing gender gaps in their energy strategies/policies	1	5	6	9
3.3 ESMAP-supported decarbonization projects that include a significant women's leadership and employment component/pilot	0	3	6	8
3.4 Number of countries where there is a WBG engagement in supporting development of roadmaps including maximizing socioeconomic benefits derived from RE development with a focus on women's employment and skills development	17	30	15	17
INTERMEDIATE OUTCOME 4: Countries have Supported Women's Entrepreneurship in the Energy Sector and Productive Uses of Energy	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
4.1 Percentage of IDA off-grid electrification operations tackling women's entrepreneurship, and access to finance gaps (Electricity Access program)	0%	100%	100%	100%
4.2 Percentage of Clean Cooking Fund supported projects that have proactive actions to promote female employment/entrepreneurship and gender co-benefits	0%	100%	100%	100%
4.3 Number of new decarbonization projects with enhanced focus on productivity gaps and livelihoods for women	0	7	8	9
INTERMEDIATE OUTCOME 5: Countries have Adopted Strategies to Support Women in Host and Marginalized Communities as Consumers in the Energy Sector	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
5.1 Countries supported by ESMAP that have integrated electrification of displaced people, host and marginalized communities in electrification programs, with a focus on the needs of women and girls	0	8	15	15

OUTPUTS: Utilities for the Energy Transition	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Flagship report: Energy Transition: business and regulatory models in developing countries	3	3	2	3
2. Training: Digital Academy, to identify and transfer emerging global knowledge, best practice, and deliver training in 5 key areas	3	3	2	3
3. Tools: Standard documentation for procurement of new technologies (including DER, digital solutions)	1	1	2	3
4. Country/regional grants: Policy/regulatory studies, advice and capacity building; technical studies, advice and capacity building; stakeholder engagement; innovative project development and budget support design.	0	17	25	40
OUTPUTS: Markets, Connectivity and Trade	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Flagship reports: (i) Design of next generation commercial agreements and market tools; (ii) Increasing system flexibility via efficient ancillary service markets	0	2	2	2
2. Analyses: Analytical studies on regional power trade	2	5	5	5
3. Tools: Best practices on wholesale markets, technical and regulatory harmonization for regional power pools	0	3	5	5
4. Training/Events: Knowledge exchange, workshops, trainings on Market deployment, and Power System Planning	1	8	10	15
5. Country/regional grants: Assessments/studies/technical reports; Strategy analyses and investment plans; Surveys/datasets; Workshops/conferences	1	30	35	35
OUTPUTS: Energy Subsidy Reform	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Flagship report: Reforming energy subsidies: Achievements, Setbacks, Lessons Learned and Way Forward	1	1	1	1
2. Training/Events per year: Internal and external knowledge exchange	14	43	30	35
3. Country/regional grants: Subsidies assessments, energy reform design, energy reform implementation, stakeholder engagement.	19	163	165	180

OUTPUTS: Closing Gender Gaps	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Flagship report: (i) Gender and Hydropower; (ii) Environmental and social (incl. gender) considerations in offshore floating solar development	1	2	1	1
2. Analyses: (i) 20 MTF country reports (covering gender gaps); (ii) 2 MTF Insight reports: gender & impact evaluation; (iii) 4 Annual Gender and Access reports	1	2	26	28
3. Training/Event: (i) Women's leadership in Decarbonization of Public Sector and End Uses in developing countries; (ii) Innovative technology, business, and financing approaches in Clean Cooking - Women's and Men's preferences and needs	1	2	1	1
4. Country/regional grants: Regional gender and energy programs, operational support.	6	7	2	3
OUTPUTS: Support to Coal Regions in Transition	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Platforms: Regional Collaboration Platforms for Coal Regions in Transition (2-3)	0	1	2	3
2. Training per year: Coal Regions in Transition Learning Academy	0	4	6	8
3. Analyses: Coal plant decommissioning/repurposing studies for 15-20 plants	3	8	5	10
4. Country/regional grants: Upstream technical studies; strategies and roadmaps.	8	15	8	10
OUTPUT	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Technical reports, studies, assessments.	0	177	354	443

ENERGY DATA AND ANALYTICS

OUTCOME 1: Government counterparts use the generated evidence in policy decisions	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1.1 World Bank energy lending operations informed by using the Energy Data & Analytics datasets, applications and knowledge reports (including using energy data to close gender gap in energy services)	16%	22%	30%	50%

1.2 New World Bank advisory services and analytics projects supported by ESMAP confirm and illustrate the use of Energy Data & Analytics datasets, applications and knowledge reports

100%

100%

100%

100%

1.3 Evidence of uses of Energy Data & Analytics outputs in well-established global initiatives (publications, indexes, research series, white papers from global institution including World Economic Forum, UN, IRENA, IEA)

8

23

10

30

OUTPUTS	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Publication of the Tracking SDG7 Report	1	4	4	4
2. Publication of RISE analytical platform website	0	2	2	2
3. Publication of MTF Country Report (focus on gender gaps in each report)	4	10	20	26
4. Publication of MTF insight on gender and impact evaluation	0	2	3	10
5. Refugees Data Report Publication	1	1	1	1
6. Knowledge products (including RBF data platform) on clean cooking	3	5	4	10
7. Regulatory benchmarking index portal	0	2	1	2
8. Launching of Global Electrification Platform 2.0	0	2	1	1
9. Capacity building workshop for GEP	3	3	4	4
10. Residential customer demand estimation report including algorithm and input data by country	0	0	20	20
11. Agriculture energy demand estimation report including algorithm and input data by country	0	4	5	7
12. Dissemination of demand assessment toolkit (survey instrument and open-source algorithm)	0	2	1	2
13. Adding new institutional partners on EnergyData platform that would publish at least 1 dataset each	1	11	12	18
14. Publish analytical pieces on EnergyData platform	4	15	15	20
15. Present Energy Data and Analytics Hub work at WBG/partner/international events and conferences	4	9	5	8
16. Launch of updates to other existing applications (Global Solar Atlas, Global Wind Atlas, etc.)	2	6	4	6

CLEAN COOKING FUND

OUTCOME 1: Improved Access to Clean Cooking in Client Countries	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1.1 Number of people who gained access to clean cooking resulting from policies, programs and strategies (Million)	54.0	115.5	100	150
1.2 Number of people who gained access to clean cooking resulting from financed projects (Million)	22.5	35.2	22	30
1.3 Amount of investments mobilized (including both public and private financing) (\$ Billion)	0.2	0.35	0.36	0.54
INTERMEDIATE OUTCOME 1: Governments Adopt Policies and Regulations to Support Public and Private Sector Investment in Clean Cooking	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1.1 Number of policies and regulations adopted by governments to support clean cooking market development	4	12	10	20
1.2 Number of WBG/MDBs investment projects catalyzed by the CCF	3	11	9	12
1.3 Percentage of CCF-supported projects that have proactive actions to promote female employment/ entrepreneurship and gender co-benefits	100%	100%	100%	100%
OUTPUTS	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Strategies, policies, regulations to support clean cooking (Number)	5	29	25	35
2. Joint activities by partners for global outreach or country-level program coordination (Number)	9	61	38	38
3. Innovative technology, business, and financing approaches, incorporating both women's and men's preferences and needs (Number)	1	11	10	20
4. Own-managed knowledge products (including RBF data platform) on clean cooking with one global flagship report every other year (Number)	2	29	16	16

ELECTRICITY ACCESS

OUTCOME 1: People, Farmers, Businesses and Public Institutions with Electricity Access	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1.1 Off-grid/Mini-grid: Households and/or micro and small enterprises and small-holder farmers with new electricity access through projects/programs funded through the World Bank, Governments, development partners and associated private sector investments (measured as targets in operations approved during the business plan period) (Million)	19.8	65.5	57	71
1.2 On-grid: Households and/or micro and small enterprises and small-holder farmers with new electricity access through projects/programs funded through the World Bank, Governments, development partners and associated private sector investments (measured as targets in operations approved during the business plan period) (Million)	7.9	38.3	100	150
1.3 Schools, health clinics, and other community facilities electrified through projects/programs funded through the World Bank, Governments, development partners and associated private sector investments (measured as targets in operations approved during the business plan period) (Number)	20,821	404,799	300,000	400,000
1.4 Electricity access financing mobilized, of which (\$ Billion):	3.7	15.2	15	21
1.4.1 Electricity access financing mobilized (through IDA, IBRD, climate finance and associated Government, development partner programs) (\$ Billion)	2.3	12.2	13	18
1.4.2 Electricity access financing mobilized (through private sector investments) (\$ Billion)	1.4	3.1	2	3
INTERMEDIATE OUTCOME 1: Countries with Supportive Enabling Environment for an Inclusive and Impactful Electrification	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1.1 Number of countries supported by ESMAP (technical assistance and operational support for pipeline development and implementation) with electricity access deficit, which officially adopted integrated electrification strategies/least cost plans, combining grid, mini grid and off-grid technologies, with universal access targets, implementation schedule and modalities and financing plans	0	9	50	50

1.2 Countries that have integrated productive use interventions in electrification projects/programs and/or built synergies across energy access and agriculture interventions to support small-holder farmers (Number)	5	13	20	22
1.3 Countries that have adopted and launched implementation of a scalable and sustainable model for electrification of public institutions, supported by ESMAP (Number)	3	28	20	25
1.4 Countries that have adopted integrating electrification of displaced people, host and other marginalized communities in electrification programs, with a focus on the needs of women and girls (Number)	8	15	15	20
1.5 Countries that have adopted pro-poor energy access subsidy and delivery model approaches	0	16	10	20
1.6 Percentage of IDA off-grid operations tackling women's entrepreneurship, and access to finance gaps	0	100%	100%	100%
OUTPUTS	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. National electrification strategies and plans, based on geospatial least-cost modeling, integrating grid, mini grid and off-grid technologies developed with ESMAP support, and using technical resources and support provided by ESMAP's geospatial electrification team	0	33	27	30
2. Country-specific policy and regulatory frameworks, business models and/or financing instruments developed with ESMAP support for scaling up mini grid and off-grid electrification	9	27	25	25
3. Designed and piloted distinct financing innovations aiming to mobilize commercial debt, crowd in private sector finance, and/or sustainably provide demand side subsidies/consumer financing	9	19	6	8
4. Business models developed and piloted for sustainable electrification of displaced population and host communities	7	14	3	3
5. Sustainable business model for electrification of public institutions, leveraging private sector, developed, piloted and results documented	7	7	3	4
6. Approaches for stimulating demand and productive use developed, piloted and results documented	0	0	3	4
7. At least 6 global knowledge reports covering mini grids, off-grid solar, productive use, public institution electrification, subsidies and other pertinent topics	6	15	8	12

8. At least 6 global knowledge events covering mini grids, off-grid solar, productive use, public institution electrification, subsidies and other pertinent topics	10	19	8	10
9. Delivery of one knowledge product or event related to gender by access program per year (duration of business plan)	1	6	4	4

RENEWABLE ENERGY

OUTCOME 1: Governments adopt policies and plans to support a major scale-up of RE	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1.1.0 RE capacity additions under government policies and plans up to 2030, including (GW):	15.5	93.1	76	116
1.1.1 Offshore wind in government policies and plans to 2030 (GW)	6.0	19.0	10	20
OUTCOME 2: Stimulation of public and private investment in RE and ancillary infrastructure	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
2.1.0 RE capacity commitments (direct and enabled through ancillary infrastructure and grid improvements) under WBG financed projects, of which (GW):	1.5	16.5	12.3	27.1
2.1.1 Capacity commitments under EnRen-supported financed projects (GW)	4.4	10.8	8.2	13.8
2.1.2 Innovative solar capacity commitments under financed projects (GW)	0.69	1.3	1.5	4.3
2.1.3 Hydropower capacity commitments under financed projects (GW)	0.02	1.2	2.6	3.9
2.1.4 Offshore wind capacity commitments under financed projects (GW)	0.0	6.0	0.0	5.0
2.2.0 Total Volume of financing mobilized for projects that increase RE capacity (\$ Billion), including	5.4	29.2	24.27	39.60
2.2.1 WB financing mobilized (\$, Billion)	1.64	13.4	11.6	16.1
2.2.2 Private financing mobilized	3.3	11.7	9.0	19.2
2.2.3 Other public financing mobilized (e.g GCF, CTF, other MDB, Canada Climate Facility, FCDO direct project support)	0.5	1.0	3.7	4.3
2.3 Battery storage capacity commitments under financed projects (GWh)	0.5	3.6	4.9	7.3

INTERMEDIATE OUTCOME 1: WB is supporting RE scale-up in a wide range of countries following the EnRen approach	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1.1 Number of countries where there is a WB engagement in increasing the penetration of RE in generation mix	9	45	30	37
1.2 Number of countries where active WB engagement on geothermal power is newly established	2	6	5	6
INTERMEDIATE OUTCOME 2: Countries have included innovative technologies in their policies and plans	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
2.1 Number of countries where there is WBG engagement on battery storage	13	73	50	63
2.2 Number of countries where there is WBG engagement on innovative solar technologies	3	15	20	25
2.3 Number of countries where there is WBG engagement on offshore wind	1	10	10	12
INTERMEDIATE OUTCOME 3: Countries are developing the next generation of hydropower projects	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
3.1 Number of countries where there is WB engagement under the Hydropower Development Facility	8	33	23	26
INTERMEDIATE OUTCOME 4: RE scale-up helps countries support socioeconomic development and action on gender	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
4.1 Number of countries where there is WBG engagement in supporting development of roadmaps including maximizing socioeconomic benefits derived from RE development with a focus on women's employment and skills development	2	19	15	19
INTERMEDIATE OUTCOME 5: Climate financing fundraised for SRMI program (e.g., GCF, CTF)	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
5.1 Climate financing fundraised for SRMI program (e.g., GCF, CTF) (\$ Billion)	0.1	0.78	0.44	0.44
OUTPUTS: Energizing renewables	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Flagship report: Sustainable deployment of solar (grid and off-grid) and wind projects (EnRen guidelines)	0	1	1	1
2. Events: Workshops to disseminate the EnRen integrated approach and promote the related support	6	12	2	2

3. Report: Lessons learnt from the Noor Ouarzazate complex in Morocco (lessons for EnRen approach)	0	0	1	1
4. Tool: Diagnostic tool to identify standardized solutions consistent with the EnRen methodology	0	1	1	1
5. Event: Gender in geothermal workshops	0	1	1	1
6. Report: Best practices in geothermal feasibility studies	0	1	1	1
7. Country/regional grants: off-grid and grid-connected planning studies, deployment strategies, socioeconomic studies, technical studies, capacity building.	0	20	70	86
7.1 Global study on how to maximize socioeconomic benefits for geothermal energy	1	1	1	1

OUTPUTS: Energy Storage	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Flagship report: lessons learned from WB projects and pilot projects	0	0	1	1
2. Reports: Outputs developed under the Energy Storage Partnership	1	6	7	10
3. Report: Social development framework and sustainable manufacturing practices for batteries	0	0	0	0
4. Events: Convene exchanges under the Clean Energy Ministerial campaign on energy storage	1	1	1	2
5. Events: Technology-focused workshops and regional exchange events	2	21	20	25
6. Country/regional grants: upstream technical studies, strategy and roadmaps, downstream technical studies, preparation of testbeds/testing facilities, capacity building.	18	49	60	60

OUTPUTS: Innovative Solar	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Flagship report: Distributed solar PV in developing countries	2	3	3	3
2. Report: Benefits of hybridization of hydropower with solar PV	1	1	1	1
3. Report: Environmental and social considerations for offshore floating PV development (social considerations to include gender aspects)	0	0	1	1
4. Events: Global knowledge sharing on innovative solar (as a part of EnRen workshops/consultations)	0	0	1	1

5. Databases: Floating solar potential on existing hydropower reservoirs (geospatial database) and nearshore floating solar potential (geospatial database)	0	3	2	2
6. Country/regional grants: country workshops, mapping and geospatial studies, technical studies, policy/structuring studies.	18	35	20	25
OUTPUTS: Offshore Wind	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Flagship report: Key factors for successful development of offshore wind in emerging markets	0	1	1	1
2. Report: Environmental & Social framework for development of offshore wind	1	1	1	1
3. Maps and data: Global technical potential mapping and analysis	0	1	1	1
4. Event: Global seminar and knowledge sharing on offshore wind development	1	3	1	1
5. Country/regional grants: country workshops, offshore wind roadmaps, deployment strategies, downstream technical studies, capacity building	12	29	20	25
OUTPUTS: Hydropower	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Report: Value chain analysis in hydropower.	1	1	1	1
2. Events: Global conferences and seminars	1	2	2	3
3. Database: Global compendium of hydropower dams CHANGED TO: Report: Power of Flexibility: Enhancing the Energy Transition with Hybrid Hydropower Solutions.	1	1	0	0
4. Report: Sustainability protocol	0	0	1	1
5. Country/regional grants: country workshops, roadmaps, project implementation strategies, pre-feasibility studies	22	87	46	52

ACCELERATING DECARBONIZATION

OUTCOME 1: Governments Adopt Policies and Plans to Accelerate Decarbonization	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1.1 Government policies and plans prepared up to 2030 to reduce GHG emissions (lifetime MtCO ₂ e)	11	11	6	12

OUTCOME 2: Stimulation of Public and Private Investment to Accelerate Decarbonization	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
2.1 Expected GHG emissions reductions under WBG financed projects (lifetime MtCO ₂ e)	16.33	100	91.23	221
2.2 Number of WBG financed projects that reduce or avoid GHG emissions, including:	9.0	64.0	53	63
2.2.1 Number of projects financed that target decarbonization in the public sector	1.0	18.0	16	18
2.2.2 Number of projects financed that include use of innovative technologies in industry	1.0	9.0	8	10
2.2.3 Number of projects financed that are “cooling informed”	4.0	29.0	24	27
2.2.4 Number of projects financed that include green hydrogen	3.0	5.0	2	4
2.2.5 Number of projects financed that include geothermal direct use	0.0	3.0	3	4
2.3 Volume of financing mobilized for projects that support accelerated decarbonization, including (\$ Billion):	6.0	19.7	10.47	16.26
2.3.1 WBG financing mobilized (\$ Billion)	5.5	15.0	7.54	9.86
2.3.2 Climate finance mobilized (\$ Billion)	0.0	0.06	1.83	3.4
2.3.3 Private financing mobilized (\$ Billion)	1.1	2.4	1.1	3
INTERMEDIATE OUTCOME 1: World Bank Group has expanded its support to a wide range of client countries to achieve Zero Carbon Public Sector	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1.1 Number of countries with WBG engagement on decarbonizing the public sector	8	28	30	32
INTERMEDIATE OUTCOME 2: World Bank Group has expanded its support to a wide range of client countries on access and scale up efficient, clean cooling	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
2.1 Number of countries where there is active WBG engagement on sustainable cooling	3	32	29	30
INTERMEDIATE OUTCOME 3: World Bank Group has expanded its support on technological innovation in industrial decarbonization	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
3.1 Number of innovative technologies that are part of active WBG engagements on industrial decarbonization	4	15	5	5

INTERMEDIATE OUTCOME 4: World Bank Group has expanded its support on Green Hydrogen and/or fuel cell technologies	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
4.1 Number of countries including green hydrogen and/or fuel cell technologies in their decarbonization strategies	6	17	6	11
INTERMEDIATE OUTCOME 5: World Bank Group has expanded its support to develop Geothermal Direct Use	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
5.1 World Bank Group is supporting wide range of client countries to develop Geothermal Direct Use	4	14	8	10
INTERMEDIATE OUTCOME 6: Countries have supported women's entrepreneurship in the energy sector and productive uses of energy	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
6.1 ESMAP-funded decarbonization projects that include a significant women's leadership and employment component/pilot	4	20	8	9
6.2 Number of projects with enhanced focus on productivity gaps and livelihoods for women	2	14	9	10
OUTPUTS: Zero Carbon Public Sector	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Report: Opportunities for achieving decarbonization in the public sector	1	1	2	2
2. Flagship Report: The economics of electric mobility	0	2	1	1
3. Country/regional grants: upstream sector analysis; policy, regulation, plans and strategies; technical, economic and financial analyses; capacity building	0	81	70	75
OUTPUTS: Industrial Decarbonization	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Flagship report: Technology innovations for industrial decarbonization in developing countries	0	0	1	2
2. Events: Two dissemination workshops on results of global studies	2	2	2	5
3. Country/regional grants: technical studies and advice; implementation models; pilot projects on innovative technologies	5	30	29	37

OUTPUTS: Efficient and Clean Cooling	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Report: Access to energy and cooling (sustainable cold chains)	1	4	4	4
2. Report: Brief(s) on innovative sustainable cooling technologies and systems	0	8	5	5
3. Events: Workshops/exchanges on efficient, clean cooling in developing countries	4	20	10	10
4. Country/regional grants: upstream sector analysis and engagements; policy and regulatory frameworks; identification and design of technical options, implementation and financing models; economic and financial analyses; capacity building	4	21	20	25
OUTPUTS: Geothermal Direct Use	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Flagship report: Direct utilization of geothermal resources	0	1	1	1
2. Regional GDU development plans	0	0	0	0
3. Global and/or Regional Workshops/Conferences	1	4	3	3
4. Country/regional grants: country workshops, direct use roadmaps, capacity building	1	5	20	26
OUTPUTS: Green Hydrogen	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Flagship Report: Green hydrogen for multi-sectoral deep decarbonization of developing countries (co-led between industrial decarbonization and green hydrogen programs)	1	1	1	1
2. Report: Technical safety and project design framework	0	0	1	2
3. Events: Technology-focused workshops and regional exchange events	15	26	11	17
4. Country/regional grants: country strategies and roadmaps; policies, regulations and standards; capacity building; pre-feasibility studies	8	21	8	16
OUTPUTS: All	PROGRESS FY2024	CUMULATIVE PROGRESS FY2021-24	REALISTIC TARGET FOR FY2024	OPTIMISTIC TARGET FOR FY2024
1. Workshop on women's leadership in decarbonization of public sector and end uses in developing countries.	1	1	1	1

ANNEX B

ESMAP NEW, ONGOING, AND CLOSED ACTIVITIES, FY2024

Acronyms

ASA	Advisory Services and Analytics
BETF	Bank-Executed Trust Fund
DPF	Development Policy Financing
PV	Photovoltaics (solar)
RETF	Recipient-Executed Trust Fund

Regions

AFR	Africa
EAP	East Asia and Pacific
ECA	Europe and Central Asia
LCR	Latin America and the Caribbean
MNA	Middle East and North Africa
SAR	South Asia Region

Associated Trust Funds

AREP	Advancing Regional Energy Projects (in Africa)
CCUS	Carbon Capture, Utilization, & Storage
ROGEP	Regional Off-Grid Electrification Project
SIDS DOCK	Support for Small Island Developing States

NEW ESMAP ACTIVITIES, FY2024

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
AFRICA					
Africa	P180743	TF0C2325	Review Completed Electrifying Africa	1) Electricity Access, 2) Annual Block Grants	1.1) Integrated Electrification Strategies and Planning, 1.2) Global Mini Grids Facility, 1.3) Off-Grid Solar, 1.4) Leave No One Behind, 1.5) Improve Livelihoods and Human Capital, 1.6) Financial Innovation for Energy Access
AFRICA EAST					
Angola	P166805	TF0C3977	Expanding Access to Electricity and Regional Markets in Angola	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Utilities for the Energy Transition, 1.2) Energy Markets, Connectivity and Trade

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Botswana	P178822	TF0C1914	Botswana: Renewable Energy Scale Up Support	1) Renewable Energy	1.1) Energizing Renewables
Comoros	P177646	TF0C0672	Comoros: Renewable Energy Integration and Utility Performance Improvement - RETF	1) Renewable Energy	1.1) Energizing Renewables
Comoros	P177646	TF0C0677	Comoros: Renewable Energy Integration and Utility Performance Improvement - RETF	1) Renewable Energy	1.1) Energy Storage
Congo, Democratic Republic of	P178642	TF0C1384	Democratic Republic of Congo: Forest and Savanna Restoration Investment Program - RETF	1) Clean Cooking Fund	
Eastern and Southern Africa	P175190	TF0C4736	Scaling Up Regional Grid Connectivity and Electricity Trade in the Southern African Power Pool	1) Renewable Energy, 2) Annual Block Grants	1.1) Hydropower Development Facility
Eastern and Southern Africa	P181328	TF0C3188	Accelerating Sustainable and Clean Energy Access Transformation in Eastern and Southern Africa - RETF	1) Electricity Access, 2) Clean Cooking Fund	1.1) Integrated Electrification Strategies and Planning, 1.2) Global Mini Grids Facility, 1.3) Off-Grid Solar, 1.4) Improve Livelihoods and Human Capital, 1.5) Financial Innovation for Energy Access
Ethiopia	P180247	TF0C4989	Programmatic Support to Energy Sector Reforms in Ethiopia	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Annual Block Grants	1.1) Energizing Renewables, 2.1) Energy Markets, Connectivity and Trade, 2.2) Energy Subsidy Reform Facility
Kenya	P173040	TF0C2621	Promoting Productive Use of Electricity in Kenya	1) Electricity Access	1.1) Integrated Electrification Strategies and Planning, 1.2) Improve Livelihoods and Human Capital

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Kenya	P176698	TF0C4598	Kenya: Loss Reduction and Utility Performance Improvement	1) Foundations for Energy Transition	1.1) Utilities for the Energy Transition
Kenya	P180465	TF0C4992	Kenya: BESS Technical Support and Enabling Framework Strengthening	1) Renewable Energy	1.1) Energy Storage
Lesotho	P166936	TF0C5408	Lesotho: Battery Energy Storage Assessment and Power Sector Financial Modelling	1) Renewable Energy, 2) Annual Block Grants	1.1) Energy Storage
Malawi	P502310	TF0C3374	Pioneering an E-mobility Ecosystem in Malawi	1) Annual Block Grants	
Malawi	P502464	TF0C3735	Empowering Clean Cooking Solutions in Malawi	1) Clean Cooking Fund	
Mauritius	P180651	TF0C2253	Mauritius: Variable Renewable Energy (VRE) Integration	1) Renewable Energy	1.1) Energizing Renewables
Namibia	P179377	TF0C2512	Namibia: Renewable Energy Scale Up Support - RETF	1) Renewable Energy	1.1) Energizing Renewables
Namibia	P179377	TF0C2513	Namibia: Renewable Energy Scale Up Support Project - BETF	1) Renewable Energy	1.1) Energizing Renewables
Sao Tome & Principe	P173783	TF0C2226	Third Additional Financing to the COVID-19 Emergency Response Project	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Sao Tome & Principe	P173783	TF0C2942	Sao Tome and Principe (STP): Climate-friendly Health System	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Somalia	P180838	TF0C4830	Measuring Access to Energy Services for Somalia Somalia Energy Sector Programmatic Advisory Services and Analytics	1) Electricity Access, 2) Energy Data & Analytics, 3) Annual Block Grants	1.1) Leave No One Behind, 1.2) Improve Livelihoods and Human Capital, 2.1) Multi-tier Energy Access Tracking Framework (MTF) (including data on clean cooking and displaced communities)
South Africa	P177398	TF0C0246	Support South Africa's Energy Transition - RETF	1) Foundations for Energy Transition	1.1) Supporting Coal Regions in Transition
South Africa	P177398	TF0C2510	South Africa: Solar Technician Pilot Training	1) Renewable Energy, 2) Annual Block Grants	1.1) Energizing Renewables
South Africa	P180424	TF0C2828	South Africa: Solar Roof Top Assessment in Selected Cities	1) Renewable Energy	1.1) Innovative Solar
South Africa	P180424	TF0C4295	Technical Assistance in Developing a Smart Grid Road Map for the City of Cape Town	1) Foundations for Energy Transition	1.1) Utilities for the Energy Transition
South Sudan	P500419	TF0C4634	Institutional Strengthening and Promotion of Inclusive Access to Reliable Energy (INSPIRE)	1) Electricity Access, 2) Foundations for Energy Transition	1.1) Global Mini Grids Facility, 1.2) Off-Grid Solar, 2.1) Energy Subsidy Reform Facility
Southern Africa	P180383	TF0C5226	Namibia and Botswana: Improving Access to Electricity and Accelerating Low Carbon Energy Transition	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Annual Block Grants, 4) Clean Cooking Fund	1.1) Energy Storage, 2.1) Utilities for the Energy Transition, 2.2) Energy Markets, Connectivity and Trade
Uganda	P502847	TF0C4076	Supporting Energy Access and Productive Use of Energy in Uganda for Socioeconomic Development and Financial Sustainability	1) Electricity Access, 2) Accelerating Decarbonization, 3) Annual Block Grants, 4) Clean Cooking Fund	1.1) Off-Grid Solar, 1.2) Improve Livelihoods and Human Capital, 1.3) Financial Innovation for Energy Access, 2.1) Zero Carbon Public Sector
Zambia	P179380	TF0C5177	Renewable Energy Development Support to Zambia	1) Annual Block Grants	

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Zimbabwe	P505550	TF0C5255	Supporting the Fundamentals of Power Sector and Achieving Universal Access in Zimbabwe	1) Annual Block Grants	
AFRICA WEST					
Benin	P173749	TF0C3986	Restructuring of the Bi-National Transmission Utility, Benin Electric Community (CEB)	1) Annual Block Grants	
Cabo Verde	P170236	TF0C2149	Support for Cabo Verde Energy Transition	1) Accelerating Decarbonization, 2) Renewable Energy, 3) Foundations for Energy Transition	1.1) Zero Carbon Public Sector, 1.2) Efficient and Clean Cooling, 1.3) Green Hydrogen, 2.1) Energizing Renewables, 2.2) Energy Storage, 2.3) Innovative Solar, 3.1) Utilities for the Energy Transition, 3.2) Closing Gender Gaps in Energy
Cameroon	P178136	TF0C3996	Support for Eneo's Ownership and Governance Transition	1) Annual Block Grants	
Central African Republic	P176683	TF0C3292	Market Research for Off-Grid Solar Products in Central African Republic (CAR) and Options for a Performance-Based Fund	1) Electricity Access, 2) Energy Data & Analytics	1.1) Off-Grid Solar, 1.2) Improve Livelihoods and Human Capital, 2.1) Demand Estimation
Chad	P174495	TF0C5392	Supporting Power Sector Reforms to Improve Energy Access and Financial Viability of the Power Sector	1) Renewable Energy, 2) Annual Block Grants	1.1) Energizing Renewables
Congo, Republic of	P501343	TF0C3392	Supporting Energy Sector Reform Activities in the Republic of Congo	1) Electricity Access, 2) Renewable Energy, 3) Foundations for Energy Transition, 4) Annual Block Grants	1.1) Integrated Electrification Strategies and Planning, 2.1) Energizing Renewables, 3.1) Energy Subsidy Reform Facility

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Gabon	P500763	TF0C3530	Support of Country Climate and Development Reports (CCDR): Assessment of Pathways for Energy Sector Decarbonization in Gabon	1) Annual Block Grants	
Gambia, The	P504421	TF0C4660	Regional Solar Park Development: The Gambia Transaction Advisory Phase 2 - BETF	1) Renewable Energy	1.1) Energizing Renewables, 1.2) Energy Storage
Ghana	P173258	TF0C4967	Supporting Increased Access to Liquefied Petroleum Gas (LPG) for Cooking in Ghana - RETF	1) Clean Cooking Fund	
Ghana	P175588	TF0C4463	Improving Clean Cooking Solutions within the Ghana School Feeding Programme - BETF Supervision	1) Clean Cooking Fund	
Ghana	P180659	TF0C4401	Improving Clean Cooking Solutions within the Ghana School Feeding Programme - RETF	1) Clean Cooking Fund	
Guinea-Bissau	P174576	TF0C4841	Guinea Bissau: Solar Energy Scale Up Support - BETF	1) Renewable Energy	1.1) Energizing Renewables
Guinea-Bissau	P174576	TF0C4842	Guinea Bissau: Solar Energy Scale Up Support - RETF	1) Renewable Energy	1.1) Energizing Renewables
Liberia	P173416	TF0C4622	Liberia: Energy Sector Programmatic Advisory Services and Analytics II	1) Electricity Access, 2) Foundations for Energy Transition, 3) Annual Block Grants	1.1) Global Mini Grids Facility, 1.2) Off-Grid Solar, 2.1) Utilities for the Energy Transition

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Liberia	P180498	TF0C5130	Phase 2 of the Energy Sector Strengthening and Access Project (LESSAP) - RETF	1) Electricity Access	1.1) Global Mini Grids Facility, 1.2) Improve Livelihoods and Human Capital
Liberia	P180498	TF0C5131	Transaction Advisory Support for Liberia Solar INDEPENDENT POWER PRODUCER (IPP) - RETF	1) Renewable Energy	1.1) Energizing Renewables
Liberia	P180498	TF0C5296	Phase 2 of the Energy Sector Strengthening and Access Project (LESSAP) - BETF	1) Electricity Access	1.1) Global Mini Grids Facility, 1.2) Improve Livelihoods and Human Capital
Liberia	P180498	TF0C5311	Transaction Advisory for Solar Independent Power Producer (IPP) in Liberia Under Phase 2 of the Energy Sector Strengthening and Access Project (LESSAP) - BETF	1) Renewable Energy	1.1) Energizing Renewables
Mali	P176633	TF0C1586	Off-Grid Solar Delivery for Rural Clinics - RETF	1) Electricity Access	1.1) Improve Livelihoods and Human Capital
Mali	P176633	TF0C5390	Accelerate Access to Electricity and Increase of Renewable Energies in the Sahel Region	1) Annual Block Grants	
Mauritania	P179383	TF0C2550	META - Mauritania Energy Transition Acceleration - Strategy Phase	1) Electricity Access, 2) Renewable Energy, 3) Foundations for Energy Transition, 4) Annual Block Grants, 5) Clean Cooking Fund	1.1) Global Mini Grids Facility, 1.2) Off-Grid Solar, 1.3) Leave No One Behind, 1.4) Improve Livelihoods and Human Capital, 1.5) Financial Innovation for Energy Access, 2.1) Energizing Renewables, 2.2) Energy Storage, 3.1) Utilities for the Energy Transition, 3.2) Energy Markets, Connectivity and Trade, 3.3) Energy Subsidy Reform Facility, 3.4) Closing Gender Gaps in Energy

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Mauritania	P179383	TF0C3738	Assessing Mauritani-ans Hydrogen Infrastructure Needs, II	1) Accelerating Decarbonization	1.1) Green Hydrogen
Niger	P174034	TF0B7328	Niger: Accelerating Electricity Access Project: Support to Clean and Efficient Cooking	1) Clean Cooking Fund	
Nigeria	P179687	TF0C3281	Nigeria: DARES Support	1) Electricity Access, 2) Accelerating Decarbonization, 3) Energy Data & Analytics	1.1) Integrated Electrification Strategies and Planning, 1.2) Global Mini Grids Facility, 1.3) Off-Grid Solar, 1.4) Improve Livelihoods and Human Capital, 2.1) Efficient and Clean Cooling, 3.1) Multi-tier Energy Access Tracking Framework (MTF) (including data on clean cooking and displaced communities)
Western Africa	P146830	TF0C5469	Operationalization of the Organisation pour la Mise en Valeur du Fleuve Gambie (OMVG) Interconnection Line	1) Annual Block Grants	
Western Africa	P167569	TF0C5095	Support for Battery Storage for Variable Renewable Energy (VRE) Integration and Scaling Up Electricity Access Project in ECOWAS Power System and Beyond	1) Electricity Access, 2) Renewable Energy, 3) Annual Block Grants	1.1) Leave No One Behind, 2.1) Energy Storage
Western Africa	P178923	TF0C4546	Support to WAPP for Starting the Establishment of Liquidity Enhancing Revolving Fund (LERF)	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Western Africa	P180988	TF0C2411	Strengthening Financial Viability of Power Distribution Utilities in Western and Central Africa	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Subsidy Reform Facility
EAST ASIA AND PACIFIC					
Cambodia	P500487	TF0C4775	Cambodia: Power Grid Strengthening and Variable Renewable Energy (VRE) Integration Studies	1) Renewable Energy, 2) Annual Block Grants	1.1) Energizing Renewables
Cambodia	P500487	TF0C5406	Cambodia: Energy Transition	1) Accelerating Decarbonization, 2) Annual Block Grants	1.1) Efficient and Clean Cooling
China	P172281	TF0C4215	UK Prosperity Fund: China Energy Transition Program, II	1) Renewable Energy	1.1) Energizing Renewables
East Asia and Pacific	IFC- 00608027	TF0C3366	EAP Industrial Decarbonization	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
East Asia and Pacific	IFC- 00608234	TF0C4627	Scaling Finance for Commercial and Industrial Building Rooftops in EAP	1) Renewable Energy	1.1) Innovative Solar
East Asia and Pacific	P181555	TF0C5460	Regional Power Trade Options in EAP Countries	1) Annual Block Grants	
Indonesia	P173293	TF0C2997	Indonesia: Accelerating Coal Transition and Renewable Energy Integration	1) Foundations for Energy Transition, 2) Renewable Energy	1.1) Supporting Coal Regions in Transition, 2.1) Energizing Renewables
Lao People's Democratic Republic	P179306	TF0C2952	Power Export Facilitation Study	1) Annual Block Grants	
Lao People's Democratic Republic	P179306	TF0C3764	Mapping (source - storage) and Stock Taking (cost assessment) of CCUS Projects in Southeast Asia Region	1) Carbon Capture, Utilization, & Storage (CCUS)	

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Marshall Islands	P181250	TF0C4385	Support the preparation of RMI (REGAIN) and FSM (ARISE) Project	1) Annual Block Grants	
Mekong	P500502	TF0C4135	Interconnection and Power Trade Options with Lao PDR	1) Annual Block Grants	
Mongolia	P178190	TF0C4305	Integration of Variable Renewable Energy (VRE) in the Baganuur South-East Electricity Distribution Network and/or Erdenet Bulgan Electricity Distribution Network	1) Annual Block Grants	
Pacific Islands	P178941	TF0C4601	Technical Support for Health Facility Cooling and Climate Friendly Cold Chains in the Pacific Island Countries	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Pacific Islands	P180641	TF0C2374	Programmatic ASA for the Energy Sector in the Pacific Islands (PICs) and Papua New Guinea (PNG)	1) Electricity Access, 2) Accelerating Decarbonization, 3) Renewable Energy, 4) Foundations for Energy Transition, 5) Annual Block Grants, 6) Clean Cooking Fund	1.1) Global Mini Grids Facility, 1.2) Off-Grid Solar, 2.1) Zero Carbon Public Sector, 3.1) Energizing Renewables, 3.2) Energy Storage, 4.1) Utilities for the Energy Transition
Pacific Islands	P180641	TF0C3700	Programmatic ASA for the Energy Sector in the Pacific Islands (PICs) and Papua New Guinea (PNG)- SIDS	1) Small Island Developing States (SIDS)	
Pacific Islands	P180641	TF0C5080	Development of a Pilot AI Procurement Toolkit	1) Annual Block Grants	
Papua New Guinea	P173194	TF0C2966	Papua New Guinea: Advisory Services and Analytics	1) Electricity Access, 2) Renewable Energy, 3) Clean Cooking Fund	1.1) Global Mini Grids Facility, 1.2) Off-Grid Solar, 2.1) Hydropower Development Facility

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Papua New Guinea	P173194	TF0C3737	Papua New Guinea: Hydropower Development Assessments	1) Annual Block Grants	
Thailand	P501471	TF0C4751	Energy Transition Roadmap and Floating Solar Program	1) Renewable Energy, 2) Annual Block Grants	1.1) Energizing Renewables, 1.2) Innovative Solar
Viet Nam	P181165	TF0C4505	Accelerating the Clean Energy Transition in Vietnam II	1) Renewable Energy, 2) Accelerating Decarbonization, 3) Foundations for Energy Transition, 4) Annual Block Grants	1.1) Energizing Renewables, 1.2) Offshore Wind, 2.1) Zero Carbon Public Sector, 3.1) Utilities for the Energy Transition, 3.2) Supporting Coal Regions in Transition
EUROPE AND CENTRAL ASIA					
Armenia	P179336	TF0C4613	Armenia: Enabling the Energy Transition.	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Annual Block Grants	1.1) Energizing Renewables, 2.1) Energy Markets, Connectivity and Trade
Caucasus	P174666	TF0C3226	Wind Power Legal and Regulatory Gap Analysis	1) Renewable Energy	1.1) Energizing Renewables
Georgia	P500633	TF0C4440	Towards Sustainable Geothermal Heat in Georgia	1) Accelerating Decarbonization	1.1) Geothermal Direct Use
Kyrgyz Republic	P177871	TF0B9767	SECO Cofinance: KG Electricity Sector Modernization and Sustainability Project	1) Support to Electricity Sector Modernization and Sustainability (KEMS)	
Kyrgyz Republic	P181086	TF0C1818	Promote Hydropower Development	1) Renewable Energy	1.1) Hydropower Development Facility
Tajikistan	P181029	TF0C4247	Improving Readiness of Rogun HPP Project to Secure Financing	1) Renewable Energy	1.1) Hydropower Development Facility
Tajikistan	P500393	TF0C2373	Tajikistan: Energy Loss Reduction Program	1) Foundations for Energy Transition	1.1) Utilities for the Energy Transition
Türkiye	P176375	TF0C3730	Türkiye: Distributed PV Market Facilitation - BETF	1) Renewable Energy	1.1) Innovative Solar

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Türkiye	P176375	TF0C3974	Türkiye: Distributed PV Market Facilitation - RETF 1 (TSKB)	1) Renewable Energy	1.1) Innovative Solar
Türkiye	P176375	TF0C3975	Türkiye: Distributed PV Market Facilitation - RETF 2 (TKYB)	1) Renewable Energy	1.1) Innovative Solar
Türkiye	P176375	TF0C4444	ECARES MPA Communications	1) Annual Block Grants	
Türkiye	P179867	TF0C1420	Public and Municipal Renewable Energy Project (MoEUCC)	1) Renewable Energy	1.1) Innovative Solar
Türkiye	P179867	TF0C1421	Public and Municipal Renewable Energy Project (ILBANK)	1) Renewable Energy	1.1) Innovative Solar
Uzbekistan	P168487	TF0C3701	Technical Assistance for Capacity Building on Hydropower PPPs in Uzbekistan	1) Renewable Energy	1.1) Hydropower Development Facility
Uzbekistan	P180500	TF0C3617	Uzbekistan: Transformation of Power Distribution Sector	1) Foundations for Energy Transition	1.1) Utilities for the Energy Transition
Uzbekistan	P504630	TF0C4445	Uzbekistan: Transformation of Power Distribution Sector II	1) Foundations for Energy Transition	1.1) Utilities for the Energy Transition
Western Balkans	P179826	TF0C4193	Western Balkans Six: Supporting Decarbonization and Sustainability Objectives	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Annual Block Grants	1.1) Hydropower Development Facility, 2.1) Energy Markets, Connectivity and Trade, 2.2) Supporting Coal Regions in Transition
GLOBAL					
World		TF0C5401	Hydrogen for Development (H4D)	1) Accelerating Decarbonization	1.1) Green Hydrogen

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
World	IO2111264	TF0C4958	ESMAP Knowledge Management II	1) Program Management & Administration, M&E, Communication, Knowledge Management	1.1) Knowledge Management
World	IO2111608	TF0C5123	Energy Access Support	1) Electricity Access	1.1) Financial Innovation for Energy Access
World	IO2111609	TF0C5105	Energy Transition Support	1) Foundations for Energy Transition	1.1) Utilities for the Energy Transition
World	IO2111611	TF0C5168	Energy Storage Partnership (ESP)	1) Renewable Energy	1.1) Energy Storage
World	IO2111612	TF0C5169	Foundations Support	1) Foundations for Energy Transition	1.1) Supporting Coal Regions in Transition
World	P171037	TF0C2022	Quality Assurance Capacity Building for the Off-Grid Solar Sector	1) Electricity Access, 2) Accelerating Decarbonization	1.1) Off-Grid Solar, 2.1) Efficient and Clean Cooling
World	P173908	TF0C2588	Hydropower Development Facility II, FY2021-24 - Own-Managed	1) Renewable Energy	1.1) Hydropower Development Facility
World	P174081	TF0C3698	ESMAP Gender and Energy Global Program 3	1) Foundations for Energy Transition	1.1) Closing Gender Gaps in Energy
World	P174081	TF0C3733	Electricity Markets, Connectivity and Trade (MARCOT) Program, FY2021-24 - Own-Managed - 3	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
World	P174202	TF0C3697	ESMAP Geothermal Electricity Development Program, FY2021-24 - Own-Managed 3	1) Accelerating Decarbonization	1.1) Geothermal Direct Use
World	P174202	TF0C3988	EnRen - Own Managed II	1) Renewable Energy	1.1) Energizing Renewables

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
World	P174202	TF0C4533	Energy Storage Program, FY2021-24 - Own-Managed - 3	1) Renewable Energy	1.1) Energy Storage
World	P174202	TF0C4555	Offshore Wind Development Program, FY2021-24 - Own-Managed 3	1) Renewable Energy	1.1) Offshore Wind
World	P174202	TF0C4557	Hydropower Development Facility III, FY2021-24 - Own-Managed	1) Renewable Energy	1.1) Hydropower Development Facility
World	P174202	TF0C4558	Innovative Solar Program, FY2021-24 - Own-Managed - 3	1) Renewable Energy	1.1) Innovative Solar
World	P174321	TF0C3721	ESMAP Zero Carbon Public Sector, FY2021-24 - Own-Managed - 3	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
World	P174321	TF0C3725	Geothermal Program, FY2021-24 - Own-Managed 3	1) Accelerating Decarbonization	1.1) Geothermal Direct Use
World	P174321	TF0C3726	ESMAP Efficient Clean Cooling Program, FY2021-24 - Own-Managed 3	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
World	P174321	TF0C3727	ESMAP Accelerating Decarbonization, FY2021-24 - Own-Managed 3	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
World	P174321	TF0C4556	Green Hydrogen Support Program, FY2021-24 - Own-Managed - 3	1) Accelerating Decarbonization	1.1) Green Hydrogen
World	P174361	TF0C3699	Financial Innovation for Energy Access, FY2021-24 - Own-Managed - 3	1) Electricity Access	1.1) Financial Innovation for Energy Access
World	P174361	TF0C3703	Off-Grid Solar Scale-Up, FY2021-24 - Own-Managed 3	1) Electricity Access	1.1) Off-Grid Solar

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
World	P174361	TF0C3704	Improving Livelihoods through Productive Use of Electricity 3	1) Electricity Access	1.1) Improve Livelihoods and Human Capital
World	P174361	TF0C3705	Improving Livelihoods and Human Capital - Own Managed 3	1) Electricity Access	1.1) Improve Livelihoods and Human Capital
World	P174361	TF0C3706	Leaving No One Behind, FY2021-24 - Own-Managed 3	1) Electricity Access	1.1) Leave No One Behind
World	P174361	TF0C3724	Mini Grid Facility, FY2021-24 - Own-Managed - 3	1) Electricity Access	1.1) Global Mini Grids Facility
World	P174361	TF0C4531	Clean Cooking Fund, FY2021-24 - Own-Managed - 3	1) Clean Cooking Fund	
World	P174361	TF0C4532	Global Electrification Platform (GEP), FY2021-24 - Own-Managed II	1) Energy Data & Analytics	1.1) Global Electrification Platform (GEP)
World	P174361	TF0C4560	Integrated Electrification Strategies & Planning, FY2021-24 - Own-Managed II	1) Electricity Access	1.1) Integrated Electrification Strategies and Planning
World	P174481	TF0C3401	RISE Regulatory Indicators for Sustainable Energy II	1) Energy Data & Analytics	1.1) Regulatory Indicators for Sustainable Energy (RISE) / Regulatory Benchmarking Project
World	P174488	TF0C2587	ESMAP Geothermal Electricity Development Program II, FY2021-24 - Own-Managed	1) Accelerating Decarbonization	1.1) Geothermal Direct Use
World	P175153	TF0C3043	Global Electrification Platform (GEP), FY2021-24 - Own-Managed	1) Energy Data & Analytics	1.1) Global Electrification Platform (GEP)
World	P177911	TF0C2412	Managing Stranded Costs in the Power Sector Amidst Global Decarbonization	1) Foundations for Energy Transition	1.1) Supporting Coal Regions in Transition

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
World	P178228	TF0C2848	Role of Carbon Pricing in Decarbonizing the Power Sector in Developing Countries	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
World	P179061	TF0C4001	Scaling Up De-Carbonization in Water Utilities: Financing and Implementation of Energy Efficiency, RE, and New Technologies	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
World	P180583	TF0C2640	Energy Data Integration and Innovation Hub, FY2021-24 - Own managed	1) Energy Data & Analytics	1.1) Energy Data Hub
World	P180583	TF0C3692	RISE Regulatory Indicators for Sustainable Energy - 3	1) Energy Data & Analytics	1.1) Regulatory Indicators for Sustainable Energy (RISE) / Regulatory Benchmarking Project
World	P180583	TF0C3693	World: Electricity Demand Estimation, FY2021-24 - Own-Managed - 3	1) Energy Data & Analytics	1.1) Demand Estimation
World	P180583	TF0C3695	MTF Global Survey, FY2021-24 - Own-Managed - 3	1) Energy Data & Analytics	1.1) Multi-tier Energy Access Tracking Framework (MTF) (including data on clean cooking and displaced communities)
World	P180583	TF0C3696	Tracking SDG7, FY2021-24 - Own-Managed - 3	1) Energy Data & Analytics	1.1) Tracking SDG 7 Report
World	P180583	TF0C3723	Energy Data Hub, FY2021-24 - Own-Managed - 3	1) Energy Data & Analytics	1.1) Energy Data Hub
World	P180698	TF0C3515	Low-Carbon Hydrogen Technologies to Decarbonize Road Transport in Developing Countries	1) Accelerating Decarbonization	1.1) Green Hydrogen

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
World	P500450	TF0C3631	Utility Performance and the Energy Transition	1) Renewable Energy, 2) Foundations for Energy Transition	1.1) Energizing Renewables, 2.1) Energy Markets, Connectivity and Trade, 2.2) Energy Subsidy Reform Facility
World	P500583	TF0C3736	Operationalizing Energy Efficiency and Decarbonization Measures in Health, Nutrition, and Population Projects	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
World	P502560	TF0C3475	Supporting the Global Scale-up of Energy Efficiency	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector, 1.2) Industrial Decarbonization, 1.3) Efficient and Clean Cooling
LATIN AMERICA AND CARIBBEAN					
Andean Countries	P179029	TF0C2847	Fostering the Clean Energy Transition and Energy Efficiency Roll-Out in Ecuador	1) Accelerating Decarbonization, 2) Renewable Energy	1.1) Zero Carbon Public Sector, 2.1) Energy Storage, 2.2) Hydropower Development Facility
Argentina	P181196	TF0C2812	Supporting Clean Energy and Energy Transition in Argentina and Paraguay	1) Annual Block Grants	
Argentina	P181196	TF0C4365	Clean Energy and Energy Transition in Argentina and Paraguay	1) Accelerating Decarbonization, 2) Renewable Energy	1.1) Zero Carbon Public Sector, 2.1) Energizing Renewables, 2.2) Innovative Solar
Argentina	P181196	TF0C5205	Promoting the Sustainability of Argentina's Electricity Sector	1) Annual Block Grants	
Belize	P179520	TF0C2805	Belize: Renewable Integration and Resilient Energy System Project Preparation	1) Small Island Developing States (SIDS)	
Brazil	P179030	TF0C4474	Brazil: Industrial Decarbonization Technical Assistance Program	1) Accelerating Decarbonization	1.1) Industrial Decarbonization

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Caribbean	P159107	TF0C2943	Suriname: Energy Transition and Pathways to Reform	1) Renewable Energy, 2) Accelerating Decarbonization, 3) Foundations for Energy Transition	1.1) Innovative Solar, 2.1) Zero Carbon Public Sector, 3.1) Energy Subsidy Reform Facility
Caribbean	P159107	TF0C4376	SWAC in OECS	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Central America	P178163	TF0C2380	Supporting Green Energy Transition and Circular Economy in Central America by Fostering Geothermal Sector Opportunities	1) Accelerating Decarbonization, 2) Renewable Energy, 3) Annual Block Grants	1.1) Geothermal Direct Use, 2.1) Energizing Renewables
Central America	P178163	TF0C2499	Guatemala: Energy Access and Planning Support	1) Electricity Access, 2) Renewable Energy, 3) Foundations for Energy Transition, 4) Clean Cooking Fund	1.1) Integrated Electrification Strategies and Planning, 2.1) Energizing Renewables, 2.2) Energy Storage, 3.1) Utilities for the Energy Transition
Central America	P178163	TF0C3516	Panama: Indigenous People Access Support	1) Electricity Access, 2) Energy Data & Analytics, 3) Renewable Energy	1.1) Integrated Electrification Strategies and Planning, 1.2) Leave No One Behind, 2.1) Demand Estimation, 3.1) Innovative Solar
Central America	P178163	TF0C4330	Honduras: Energy Access Support	1) Electricity Access	1.1) Integrated Electrification Strategies and Planning, 1.2) Financial Innovation for Energy Access
Central America	P178163	TF0C5264	Regional Analysis on Generation Costs and the Effects of Drought on Electricity Prices in Central American Countries	1) Annual Block Grants	
Colombia	P178980	TF0C3010	Colombia: Smart Grids and Utility Strengthening for Power Quality	1) Foundations for Energy Transition	1.1) Utilities for the Energy Transition

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Colombia	P178980	TF0C3302	Colombia: Energy Communities	1) Electricity Access, 2) Foundations for Energy Transition	1.1) Integrated Electrification Strategies and Planning, 1.2) Global Mini Grids Facility, 1.3) Off-Grid Solar, 1.4) Improve Livelihoods and Human Capital, 1.5) Financial Innovation for Energy Access, 2.1) Supporting Coal Regions in Transition
Colombia	P178980	TF0C4767	Public Sector Promotion of Electric mobility and Decarbonization Regulation	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
Dominican Republic	P178570	TF0C3403	Supporting Electricity Sector Reforms in the Dominican Republic, II	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Subsidy Reform Facility
Dominican Republic	P180512	TF0C2844	Dominican Republic: Support for Offshore Wind Regulatory and Legislative Gap Analysis	1) Renewable Energy	1.1) Offshore Wind
Dominican Republic	P180512	TF0C3497	Dominican Republic: Supporting the Energy Transition and Decarbonization of the Electricity Matrix	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Annual Block Grants	1.1) Energy Storage, 2.1) Supporting Coal Regions in Transition
Dominican Republic	P180512	TF0C4597	Dominican Republic: Accelerating the Energy Transition through the Identification of the Optimal Locations for Electricity Generation Projects	1) Renewable Energy, 2) Annual Block Grants	1.1) Energizing Renewables
Haiti	P177503	TF0C5145	Policy Note on Produce Use of Energy on Grid and Off-Grid and JIT Political Economy Analysis	1) Annual Block Grants	

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Latin America and Caribbean	P504085	TF0C5202	Adapting Passive Design Strategies and Codes for Housing to Local Context	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Mexico	P177694	TF0C2390	Energy Efficiency and Clean Energy in Mexico's Public Facilities	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
OECS Countries	P179519	TF0C2148	Caribbean Efficient and Green-Energy Buildings Project Preparation	1) Small Island Developing States (SIDS)	
MIDDLE EAST AND NORTH AFRICA					
Egypt, Arab Republic of	P504216	TF0C4728	Geospatial Renewable Energy Analysis and Support for Green Hydrogen	1) Accelerating Decarbonization, 2) Renewable Energy, 3) Annual Block Grants	1.1) Green Hydrogen, 2.1) Energizing Renewables
Iraq	P503855	TF0C4354	Developing Green Skills Capacity to Sustain Clean Energy Transition in Iraq	1) Annual Block Grants	
Jordan	P171296	TF0C2924	Evaluation of Options for Reduction of NEPCO Indebtedness	1) Annual Block Grants	
Lebanon	P179937	TF0C3627	Lebanon: Energy Transition and Sector Development	1) Renewable Energy, 2) Annual Block Grants	1.1) Energizing Renewables, 1.2) Hydropower Development Facility
Maghreb	P501102	TF0C4620	Support to Algeria's Energy Subsidy Reform through Effective Communication and Social Protection Systems	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility
Middle East and North Africa	P163837	TF0C4738	MNA Energy and Gender Program - RENEW MENA	1) Annual Block Grants	

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Middle East and North Africa	P504239	TF0C4621	Energizing Social Protection: Opportunities and Challenges with Reforming Energy Subsidies in MENA	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility
Morocco	P174586	TF0C4720	Morocco: Energy Storage Testbed	1) Renewable Energy	1.1) Energy Storage
Morocco	P179931	TF0C4433	Supporting Electricity Tariff Reforms in Morocco	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility
Morocco	P180729	TF0C3127	Fostering Decarbonization of Industrial Zones in Morocco	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
Tunisia	P168273	TF0C4406	Technical Support for Recovery of the Utility Performance and Financial Sustainability in Tunisia	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Subsidy Reform Facility
Tunisia	P179240	TF0C4265	Technical Support to Accelerate Tunisian Energy Transition	1) Renewable Energy	1.1) Energizing Renewables
Yemen, Republic of	P178347	TF0C3003	Improved Access to Electricity and Restoration of the Yemen Power Sector through Utility-Scale Solar PV	1) Electricity Access	1.1) Leave No One Behind
SOUTH ASIA					
Bangladesh	P161869	TF0C4991	Business Case for Scaling Up Bioenergy in Bangladesh	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
Bangladesh	P179009	TF0C3534	Bangladesh: Hydrogen and Ammonia Development Strategy and Policy	1) Accelerating Decarbonization	1.1) Green Hydrogen

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Bangladesh	P179429	TF0C4256	Bangladesh: Grid Integration of Captive Generation Load Centers and Support Establishment of an ISO and Private Sector Participation in Transmission	1) Annual Block Grants	
Bangladesh	P181384	TF0C5134	Support Energy Transition in Bangladesh	1) Accelerating Decarbonization, 2) Renewable Energy	1.1) Efficient and Clean Cooling, 2.1) Innovative Solar
Bhutan	P174327	TF0C3880	Preliminary Assessment of Geothermal Resources	1) Accelerating Decarbonization, 2) Renewable Energy	1.1) Geothermal Direct Use, 2.1) Energizing Renewables
India	P170602	TF0C2963	CCUS India Energy	1) Carbon Capture, Utilization, & Storage (CCUS)	
India	P170602	TF0C4475	Integration of Electricity Markets in India and Cross-border Electricity Trade	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
India	P170602	TF0C4737	Supporting the Development of Pumped-Storage Hydropower Plants in India	1) Renewable Energy	1.1) Energy Storage, 1.2) Hydropower Development Facility
India	P177844	TF0C2081	Technical Assistance for Program for Electricity Distribution Reforms in India - RETF	1) Renewable Energy, 2) Foundations for Energy Transition	1.1) Energizing Renewables, 2.1) Utilities for the Energy Transition, 2.2) Energy Subsidy Reform Facility, 2.3) Closing Gender Gaps in Energy
India	P178053	TF0C4508	Uttar Pradesh Clean Air Management Program: Clean Cooking Program - BETF	1) Clean Cooking Fund	
India	P179178	TF0C4363	Guarantee Mechanism for Renewable Biogas in India - RETF	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
India	P179178	TF0C4366	Guarantee Mechanism for Renewable Biogas in India - BETF II	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
India	P179178	TF0C4431	Guarantee Mechanism for Renewable Biogas in India - BETF I	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
India	P181032	TF0C2490	Study Tour of Green Hydrogen, Industrial Decarbonization and Efficient Cooling Development	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling, 1.2) Green Hydrogen
India	P502491	TF0C4697	Haryana Clean Air Project for Sustainable Development: Clean Cooking Program	1) Clean Cooking Fund	
Nepal	P178722	TF0C4331	Financial and Market Analysis for the preparation of UAHEP	1) Annual Block Grants	
South Asia	IFC-00606910	TF0C2247	South Asia Industrial Decarbonization	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
South Asia	P173928	TF0C2793	Maldives Gender Mainstreaming in the ASCENT Project - BETF	1) Foundations for Energy Transition	1.1) Closing Gender Gaps in Energy
South Asia	P181158	TF0C4473	Scaling up Grid-to-Grid Transmission Connectivity to Facilitate the Development of the South Asia Electricity Market	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
Sri Lanka	P175305	TF0C2323	Sri Lanka Power Sector Reform Support	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Markets, Connectivity and Trade, 1.2) Energy Subsidy Reform Facility

ONGOING ESMAP ACTIVITIES, FY2024

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
AFRICA					
Africa	P126661	TF0A4769	AREP MDTF - Supervision	1) Advancing Regional Energy Projects (AREP)	
Africa	P126661	TF0A4770	AREP MDTF - EAPP Assistance Program - BEA	1) Advancing Regional Energy Projects (AREP)	
Africa	P126661	TF0A4771	AREP MDTF - SAPP Assistance Program - BEA	1) Advancing Regional Energy Projects (AREP)	
Africa	P149119	TF0C0529	AFREA 3 Gender and Energy Program	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Closing Gender Gaps in Energy
Africa	P172323	TF0B2304	Facilitating Energy Efficiency in Sub-Saharan Africa	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
Africa	P180743	TF0C1156	Electrifying Africa PASA	1) Electricity Access	1.1) Integrated Electrification Strategies and Planning, 1.2) Global Mini Grids Facility, 1.3) Off-Grid Solar
AFRICA EAST					
Botswana	P178822	TF0C1916	Botswana: Renewable Energy Scale Up Support	1) Renewable Energy	1.1) Energizing Renewables
Burundi	P133610	TF0B5426	Legal, Technical, and Safeguard Review Support for Ruzizi III Hydropower Project Preparation	1) Renewable Energy	1.1) Hydropower Development Facility
Burundi	P133610	TF0B8729	Renewable Energy-Based Generation and Transmission Expansion in Burundi	1) Renewable Energy, 2) Annual Block Grants	1.1) Hydropower Development Facility, 1.2) Energizing Renewables
Burundi	P164435	TF0B8569	Scaling Up Access to Decentralized Energy Services in Burundi	1) Electricity Access, 2) Clean Cooking Fund	1.1) Global Mini Grids Facility, 1.2) Off-Grid Solar, 1.3) Improve Livelihoods and Human Capital

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Comoros	P162783	TF0B3588	Comoros Solar PV & Battery Energy Storage Systems	1) Small Island Developing States (SIDS)	
Comoros	P175840	TF0B6129	Comoros: Sustainable Power for Health Facilities - BETF	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Comoros	P175840	TF0B6191	Comoros: Sustainable Power for Health Facilities - SIDS - RETF	1) Small Island Developing States (SIDS)	
Comoros	P175840	TF0B6192	Comoros: Sustainable Power for Health Facilities - RETF	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Congo, Democratic Republic of	P173506	TF0B6006	Programmatic support to the Power Sector in the Democratic Republic of Congo (DRC)	1) Electricity Access, 2) Renewable Energy, 3) Foundations for Energy Transition, 4) Annual Block Grants	1.1) Global Mini Grids Facility, 1.2) Improve Livelihoods and Human Capital, 2.1) Energizing Renewables, 3.1) Utilities for the Energy Transition, 3.2) Energy Markets, Connectivity and Trade
Congo, Democratic Republic of	P178642	TF0C0377	Democratic Republic of Congo (DRC): Forest and Savanna Restoration Investment Program - BETF	1) Clean Cooking Fund	
Eastern Africa	P075941	TF0B1772	Rusumo Falls Implementation Support: Tunneling Works	1) Renewable Energy	1.1) Hydropower Development Facility
Eastern and Southern Africa	P126661	TF0B2010	Decarbonizing with Dispatchable Renewable Energy	1) Renewable Energy	1.1) Energizing Renewables, 1.2) Energy Storage
Eastern and Southern Africa	P149119	TF0A4725	AFREA 2 Gender and Energy Program	1) Annual Block Grants, 2) Foundations for Energy Transition	2.1) Closing Gender Gaps in Energy

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Eastern and Southern Africa	P165704	TF0B7074	Malawi: Preparation of Options for Financial Recovery for ESCOM	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Subsidy Reform Facility
Eastern and Southern Africa	P174175	TF0B4111	Horn of Africa Initiative Rapid Support for Regional Integration	1) Electricity Access, 2) Clean Cooking Fund, 3) Annual Block Grants, 4) Foundations for Energy Transition	1.1) Integrated Electrification Strategies and Planning, 1.2) Off-Grid Solar, 1.3) Improve Livelihoods and Human Capital, 1.4) Global Mini Grids Facility, 1.5) Leave No One Behind, 4.1) Energy Markets, Connectivity and Trade
Eastern and Southern Africa	P178319	TF0B8405	EAPP Regional Power Market Support Phase 2 (AREP MDTF)	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
Ethiopia	P171742	TF0B2013	Supporting Improved Service Delivery for Universal Electrification	1) Electricity Access	1.1) Off-Grid Solar, 1.2) Integrated Electrification Strategies and Planning, 1.3) Financial Innovation for Energy Access, 1.4) Global Mini Grids Facility, 1.5) Improve Livelihoods and Human Capital
Kenya	P173040	TF0B1666	Renewable Energy Development and Institutional Development in Kenya	1) Renewable Energy, 2) Annual Block Grants	1.1) Energy Storage, 1.2) Energizing Renewables
Kenya	P176758	TF0C0498	Energy-efficient Cold Chain for the Agroindustrial System in Kenya	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Madagascar	P174903	TF0B9396	Sustainable Solar Power for Health Facilities in Madagascar	1) Electricity Access	1.1) Improve Livelihoods and Human Capital
Mozambique	P175295	TF0B7228	Sustainable Energy and Broadband Access in Rural Mozambique Project (SPN allocation)	1) Clean Cooking Fund	

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Mozambique	P175295	TF0B7229	Sustainable Energy and Broadband Access in Rural Mozambique Project (ProEnergia)	1) Clean Cooking Fund	
Mozambique	P179374	TF0C0314	Mozambique: Power Sector Transition and Reform	1) Electricity Access, 2) Renewable Energy, 3) Foundations for Energy Transition, 4) Annual Block Grants	1.1) Improve Livelihoods and Human Capital, 2.1) Energizing Renewables, 2.2) Hydropower Development Facility, 3.1) Energy Subsidy Reform Facility
Namibia	P179377	TF0C0697	Namibia: Variable Renewable Energy Integration Support	1) Renewable Energy	1.1) Energizing Renewables
Rwanda	P171671	TF0B3333	Rwanda: Inclusive and Electric Last Mile Connectivity (ESMAP)	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
Rwanda	P172594	TF0B3589	Energy Access and Quality Improvement Project	1) Clean Cooking Fund	
Rwanda	P172594	TF0B4625	Implementation Support for Rwanda EAQIP Project	1) Clean Cooking Fund	
Rwanda	P172594	TF0B8895	Feasibility Study to Add Pumped Storage Functionality to the Ntaruka Hydropower Plant - RETF	1) Renewable Energy	1.1) Hydropower Development Facility
Rwanda	P172594	TF0B8896	Additional Finance to Scale Up Modern Energy in Rwanda - Increasing Access to Clean Cooking Solutions for Public Schools - RETF	1) Clean Cooking Fund	
Rwanda	P172594	TF0B9486	Feasibility Study to Add Pumped Storage Functionality to the Ntaruka Hydropower Plant - BETF	1) Renewable Energy	1.1) Hydropower Development Facility

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Rwanda	P177429	TF0B7406	Supporting Energy Access Expansion and Clean Energy Transition in Rwanda	1) Electricity Access, 2) Foundations for Energy Transition, 3) Clean Cooking Fund, 4) Renewable Energy	1.1) Off-Grid Solar, 1.2) Leave No One Behind, 1.3) Integrated Electrification Strategies and Planning, 1.4) Improve Livelihoods and Human Capital, 2.1) Utilities for the Energy Transition, 2.2) Energy Subsidy Reform Facility, 4.1) Energizing Renewables, 4.2) Innovative Solar, 4.3) Hydropower Development Facility
Sao Tome & Principe	P177099	TF0B9035	Electricity Supply Transition Support - BETF 2	1) Electricity Access, 2) Renewable Energy, 3) Foundations for Energy Transition	1.1) Integrated Electrification Strategies and Planning, 2.1) Energizing Renewables, 2.2) Energy Storage, 3.1) Utilities for the Energy Transition
Somalia	P172031	TF0B7869	Technical Support for Health Facility Cooling and Climate Friendly Cold Chains in Somalia	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
South Africa	P149521	TF0A3137	Development of Carbon Capture and Storage in South Africa	1) Carbon Capture, Utilization, & Storage (CCUS)	
South Africa	P151193	TF019231	Capacity Building for Carbon Capture and Storage in South Africa	1) Carbon Capture, Utilization, & Storage (CCUS)	
South Africa	P177398	TF0C0347	Support South Africa's Energy Transition - BETF	1) Foundations for Energy Transition	1.1) Supporting Coal Regions in Transition
South Africa	P180424	TF0C1398	South Africa: Supporting a low carbon and just energy transition	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Annual Block Grants, 4) Clean Cooking Fund	1.1) Offshore Wind, 2.1) Energy Markets, Connectivity and Trade, 2.2) Supporting Coal Regions in Transition
South Sudan	P176480	TF0B6004	South Sudan: COVID-19 Emergency Response and Health Systems Preparedness Project	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Southern Africa	P126661	TF0A4772	Additional Financing for Advancing Regional Energy Projects in Southern Africa Multi- Donor Trust Fund (SAPP AREP AF)	1) Advancing Regional Energy Projects (AREP)	
Southern Africa	P126661	TF0B5574	Renewable Energy for Building Energy Livelihoods	1) Renewable Energy, 2) Accelerating Decarbonization	1.1) Energizing Renewables, 2.1) Green Hydrogen
Sudan	P174352	TF0B5920	Climate Friendly Cold Chain in Sudan	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Tanzania	P153781	TF0B8158	Tanzania: Support for Renewable Energy Development	1) Renewable Energy, 2) Annual Block Grants	1.1) Energizing Renewables
Tanzania	P153781	TF0B9405	Support For Off-Grid Solar, Clean Cooking, Productive Use of Electricity and Gender in Tanzania - RETF	1) Electricity Access, 2) Clean Cooking Fund	1.1) Off-Grid Solar
Tanzania	P153781	TF0B9604	Support for Off-Grid Solar, Clean Cooking, Productive Use of Electricity and Gender in Tanzania - BETF	1) Electricity Access, 2) Clean Cooking Fund	1.1) Off-Grid Solar, 1.2) Improve Livelihoods and Human Capital
Tanzania	P153781	TF0C1745	SIDA-TZ Support to Expand Modern Energy Services and Demand Side Management Technologies in Tanzania	1) Renewable Energy, 2) Accelerating Decarbonization, 3) Foundations for Energy Transition, 4) Clean Cooking Fund	1.1) Energizing Renewables, 2.1) Zero Carbon Public Sector, 3.1) Closing Gender Gaps in Energy
Tanzania	P163732	TF0B8204	Leveraging Private Sector Financing for Rural Water Supply in Tanzania - BETF 2	1) Electricity Access	1.1) Improve Livelihoods and Human Capital
Tanzania	P163732	TF0B8224	Leveraging Private Sector Financing for Rural Water Supply in Tanzania - BETF 1	1) Electricity Access	1.1) Improve Livelihoods and Human Capital

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Tanzania	P169561	TF0B9558	Supporting Automation and Digitalization of the Electricity Network in Mainland Tanzania and Zanzibar	1) Renewable Energy, 2) Foundations for Energy Transition	1.1) Innovative Solar, 2.1) Utilities for the Energy Transition
Tanzania	P177128	TF0B9560	Leveraging Private Sector Financing for Rural Water Supply in Tanzania - RETF	1) Electricity Access	1.1) Improve Livelihoods and Human Capital
Uganda	P166685	TF0B5204	Uganda Electricity Access Scale-up Project (EASP)	1) Clean Cooking Fund	
Zambia	P174185	TF0B9085	Roadmap to Climate Friendly Cold Chain in Zambia	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Zimbabwe	P170960	TF0B0712	Planning Support and Capacity Building for Power Sector Recovery in Zimbabwe	1) Electricity Access, 2) Renewable Energy, 3) Annual Block Grants	1.1) Integrated Electrification Strategies and Planning, 2.1) Energizing Renewables
Zimbabwe	P176141	TF0B6709	Zimbabwe: COVID-19 Emergency Response Project	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
AFRICA WEST					
Benin	P173749	TF0B2708	Preparation for Electricity Access Scale-Up in Benin	1) Annual Block Grants	
Burkina Faso	P166785	TF0C0108	Burkina Faso: Variable Renewable Energy (VRE) Integration and Battery Storage	1) Renewable Energy	1.1) Energizing Renewables, 1.2) Energy Storage
Cabo Verde	P173857	TF0B8709	A Roadmap to Upgrade Public Health Infrastructure in Cabo Verde	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Cameroon	P157733	TF0B9778	Prefeasibility Studies of Potential Ground-Mounted or Floating Solar PV For Lom Pangar and Memve'ele Power Plants in Cameroon	1) Renewable Energy	1.1) Innovative Solar

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Cameroon	P174960	TF0B0855	Cameroon: Energy Subsidy Reform	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility
Cameroon	P174960	TF0B5787	Institutions and Capacity Strengthening for Regional Power Trade	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Markets, Connectivity and Trade
Chad	P174985	TF0B4457	Supporting Reform and Investment to Expand Access to Affordable and Financially Viable Energy	1) Electricity Access, 2) Foundations for Energy Transition, 3) Annual Block Grants	1.1) Global Mini Grids Facility, 1.2) Off-Grid Solar, 2.1) Energy Markets, Connectivity and Trade, 2.2) Energy Subsidy Reform Facility
Gambia, The	P163568	TF0B3700	Energy Efficiency Strategy for The Gambia (ESMAP / PPIAF)	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector, 1.2) Efficient and Clean Cooling
Ghana	P173258	TF0B3078	Ghana: Clean Cooking Program Technical Assistance	1) Clean Cooking Fund	
Ghana	P173258	TF0B8585	Ghana Energy Sector Recovery Program for Results	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Annual Block Grants	1.1) Energizing Renewables, 2.1) Utilities for the Energy Transition
Guinea	P164225	TF0B5946	Methodology for the Calculation of Revenue Requirement for EDG	1) Annual Block Grants	
Liberia	P173416	TF0B5145	Electrification of Health and Vaccine Storage Facilities in Liberia	1) Electricity Access	1.1) Global Mini Grids Facility, 1.2) Improve Livelihoods and Human Capital
Liberia	P173416	TF0B5153	Electrification of Health and Vaccine Storage Facilities in Liberia	1) Electricity Access	1.1) Improve Livelihoods and Human Capital

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Liberia	P173416	TF0C0250	Support for Sustainable Hydropower Development in Liberia: Liberia Electricity Sector Strengthening and Access Project	1) Renewable Energy	1.1) Hydropower Development Facility
Mali	P166796	TF0B2703	Mali DPF Preparation ASA: Assessment of the Performance Contract of EDM and Efficiency Measures to Reduce Costs	1) Renewable Energy, 2) Annual Block Grants	1.1) Energizing Renewables, 1.2) Energy Storage
Mali	P166796	TF0C0844	Mali Renewable Energy Socioeconomic Co-Benefits Assessment	1) Renewable Energy	1.1) Energizing Renewables
Mali	P167850	TF0A9351	Accelerate Access to Electricity and Increase of Renewable Energies in the Sahel Region	1) Electricity Access, 2) Annual Block Grants	1.1) Integrated Electrification Strategies and Planning
Mali	P176633	TF0C1585	Off-Grid Solar Delivery for Rural Clinics - BETF	1) Electricity Access	1.1) Improve Livelihoods and Human Capital
Mauritania	P167850	TF0B8978	Low-carbon Least Cost Development Plan (LC-LCDP) for Power Generation and Transmission in Mauritania	1) Renewable Energy, 2) Electricity Access	1.1) Energizing Renewables, 2.1) Integrated Electrification Strategies and Planning
Niger	P173846	TF0B5944	Additional Financing to Niger COVID-19 Emergency Response Project	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Niger	P174034	TF0B5095	Niger: Energy Sector Support for Accelerating Electricity Access	1) Electricity Access, 2) Foundations for Energy Transition, 3) Annual Block Grants, 4) Renewable Energy	1.1) Leave No One Behind, 1.2) Integrated Electrification Strategies and Planning, 1.3) Global Mini Grids Facility, 1.4) Off-Grid Solar, 1.5) Improve Livelihoods and Human Capital, 1.6) Financial Innovation for Energy Access, 2.1) Utilities for the Energy Transition, 2.2) Energy Subsidy Reform Facility, 4.1) Energizing Renewables
Niger	P174034	TF0C0894	Niger: Accelerating Electricity Access Project: Support to Clean and Efficient Cooking	1) Clean Cooking Fund	
Nigeria	IFC-00606757	TF0B8131	Nigeria: Industrial CCUS Atlas and National Strategy	1) Carbon Capture & Storage (CCUS)	
Nigeria	P180212	TF0C0265	Nigeria: Hydropower support under Energy ASA	1) Renewable Energy	1.1) Hydropower Development Facility
Nigeria	P181167	TF0B5042	Nigeria: Programmatic ASA for Energy	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Annual Block Grants, 4) Electricity Access	1.1) Energizing Renewables, 1.2) Innovative Solar, 2.1) Energy Markets, Connectivity and Trade, 2.2) Utilities for the Energy Transition, 2.3) Energy Subsidy Reform Facility, 4.1) Off-Grid Solar
Sierra Leone	P120304	TF0B0480	Sierra Leone: Expand Electricity Access in a Financially Sustainable Manner	1) Electricity Access	1.1) Global Mini Grids Facility
Sierra Leone	P120304	TF0B1190	Sierra Leone: Energy Sector Subsidy Reform Program	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Sierra Leone	P171059	TF0B4850	Promote Efficient and Clean Cooking in Sierra Leone	1) Clean Cooking Fund	
Togo	P176769	TF0C1207	Togo Sustainable Electrification	1) Electricity Access, 2) Foundations for Energy Transition, 3) Annual Block Grants	1.1) Off-Grid Solar, 1.2) Financial Innovation for Energy Access, 2.1) Energy Subsidy Reform Facility
Western Africa	P160708	TF0B7053	Implementation Support of the ROGEP RETF	1) Regional Off-Grid Electrification Project (ROGEP), 2) Electricity Access	2.1) Off-Grid Solar, 2.2) Improve Livelihoods and Human Capital, 2.3) Financial Innovation for Energy Access
Western Africa	P160708	TF0B7643	Regional Off-Grid Electricity Access Project (ROGEAP) - RETF	1) Regional Off-Grid Electrification Project (ROGEP)	
Western Africa	P168185	TF0C0442	CAPP Institutional and Capacity Strengthening	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Markets, Connectivity and Trade
Western Africa	P178923	TF0C0745	Support Preparation of WAPP Ghana-Cote d'Ivoire Power Interconnection Project and Regional Power Market Readiness	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
Western Africa	P179267	TF0C0496	Implementation Support for Regional Emergency Solar Power Intervention	1) Annual Block Grants, 2) Renewable Energy	2.1) Energy Storage
EAST ASIA AND PACIFIC					
China	P170663	TF0B1039	China: Energy Transition to a Lower-Coal Economy in Shanxi Province	1) Renewable Energy, 2) Accelerating Decarbonization	1.1) Energizing Renewables, 2.1) Zero Carbon Public Sector
East Asia and Pacific		TF012566	Dissemination & Knowledge Sharing	1) Annual Block Grants	

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
East Asia and Pacific	P170589	TF0B2739	Energy and Extractives Programmatic Advisory Services and Analytics in Papua New Guinea	1) Electricity Access, 2) Clean Cooking Fund, 3) Renewable Energy, 4) Annual Block Grants	1.1) Integrated Electrification Strategies and Planning, 1.2) Global Mini Grids Facility, 1.3) Off-Grid Solar, 3.1) Hydropower Development Facility
East Asia and Pacific	P177280	TF0B7997	EAP Gender and Energy Facility, II	1) Foundations for Energy Transition	1.1) Closing Gender Gaps in Energy
Indonesia	P169259	TF0B3923	Indonesia: Sustainable Least- cost Electrification (ISLE) Scale-Up - RETF	1) Renewable Energy	1.1) Energizing Renewables, 1.2) Energy Storage
Indonesia	P172256	TF0B2521	Indonesia: Energy Transition and Sustainable Access to Modern Energy for All	1) Renewable Energy	1.1) Hydropower Development Facility
Indonesia	P173293	TF0B2870	Indonesia: Sustainable Least- cost Electrification (ISLE) Scale-Up - BETF	1) Renewable Energy	1.1) Energizing Renewables, 1.2) Energy Storage
Indonesia	P173293	TF0B4182	Addressing Projected Impact of COVID-19 Crisis on PLN's Cash Flow	1) Annual Block Grants	
Indonesia	P173293	TF0B4426	Development of a Financial Early Warning System from PLN	1) Annual Block Grants	
Mekong	IFC- 00603211	TF0B7639	Industrial Decarbonization in Vietnam	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
Mongolia	P178190	TF0B9725	Technical Assistance on Power system planning for Variable Renewable Energy (VRE) Integration	1) Renewable Energy, 2) Foundations for Energy Transition	1.1) Energizing Renewables, 2.1) Utilities for the Energy Transition
Papua New Guinea	P179022	TF0C0159	Enabling Renewable Energy Grid Integration Pacific Women's Energy Employment and Empowerment Program (PWEEEP)	1) Foundations for Energy Transition	1.1) Closing Gender Gaps in Energy

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Solomon Islands	P161319	TF0C1523	Contractual and Technical Support to Tina Hydropower Project Implementation	1) Renewable Energy	1.1) Hydropower Development Facility
Timor-Leste	IFC-00607385	TF0C1357	Timor Leste CCS	1) Carbon Capture, Utilization, & Storage (CCUS)	
Timor-Leste	P179592	TF0C0687	Timor-Leste: Energy-Efficiency and Disaster Resilience of Health Facilities	1) Electricity Access, 2) Renewable Energy, 3) Accelerating Decarbonization	1.1) Improve Livelihoods and Human Capital, 2.1) Innovative Solar, 3.1) Zero Carbon Public Sector, 3.2) Efficient and Clean Cooling
EUROPE AND CENTRAL ASIA					
Bosnia and Herzegovina	P179990	TF0C0097	Supporting Energy Transition in Coal Regions	1) Renewable Energy, 2) Foundations for Energy Transition	1.1) Energy Storage, 2.1) Supporting Coal Regions in Transition
Caucasus	P174666	TF0B8283	Armenia: Clean Energy Engagement	1) Renewable Energy, 2) Annual Block Grants	1.1) Energy Storage, 1.2) Innovative Solar
Caucasus	P174666	TF0C0247	Armenia: Clean Energy Engagement, Phase 2	1) Renewable Energy	1.1) Energy Storage
Caucasus	P174666	TF0C0825	Azerbaijan Energy Sector Programmatic Advisory Services and Analytics	1) Accelerating Decarbonization, 2) Renewable Energy	1.1) Geothermal Direct Use, 2.1) Energizing Renewables, 2.2) Hydropower Development Facility
Caucasus	P174666	TF0C1287	Georgia Clean Energy Engagement	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Annual Block Grants	1.1) Innovative Solar, 1.2) Energizing Renewables, 1.3) Hydropower Development Facility, 2.1) Energy Markets, Connectivity and Trade
Central Asia	P178748	TF0B8668	Scaling-up Regional Energy Interconnectivity in Central Asia	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
Europe and Central Asia	P163273	TF0A4466	Energy, Gender and Social Inclusion in the ECA Region	1) Annual Block Grants, 2) Foundations for Energy Transition	2.1) Closing Gender Gaps in Energy

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Europe and Central Asia	P177744	TF0B7462	Support of Country Climate and Development Reports (CCDR): Assessment of Pathways for Energy Sector Decarbonization in ECA	1) Annual Block Grants	
Europe and Central Asia	P177744	TF0B7824	ECA Sustainable Heating Program - Regional - Accelerating Decarbonization, II	1) Accelerating Decarbonization, 2) Annual Block Grants	1.1) Zero Carbon Public Sector, 1.2) Geothermal Direct Use
Europe and Central Asia	P177744	TF0C0554	Renewable Energy Scale-up in ECA: Challenges and Opportunities	1) Renewable Energy, 2) Foundations for Energy Transition	1.1) Energizing Renewables, 2.1) Energy Subsidy Reform Facility, 2.2) Energy Markets, Connectivity and Trade
Kazakhstan	P180209	TF0C0444	Comprehensive energy subsidy and institutional reforms in Kazakhstan	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Subsidy Reform Facility
Kazakhstan	P180209	TF0C1246	Enabling Renewable Energy Grid Integration	1) Renewable Energy	1.1) Energizing Renewables, 1.2) Energy Storage
Kyrgyz Republic	P157079	TF0A6889	Energy Efficiency Improvements in Public Buildings in the Kyrgyz Republic	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
Kyrgyz Republic	P157079	TF0B2457	Energy Efficiency Improvements in Public Buildings in the Kyrgyz Republic - RETF	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
Kyrgyz Republic	P174466	TF0B3586	Supporting Energy Sector Reform to Improve Financial Viability	1) Foundations for Energy Transition, 2) Accelerating Decarbonization, 3) Renewable Energy	1.1) Energy Subsidy Reform Facility, 2.1) Zero Carbon Public Sector, 3.1) Hydropower Development Facility
Kyrgyz Republic	P174466	TF0B8755	Kyrgyz Republic: Renewable Energy Sector Development Program	1) Renewable Energy	1.1) Energizing Renewables
Kyrgyz Republic	P177871	TF0B9741	SECO Cofinance: Electricity Sector Modernization and Sustainability Project	1) Support to Electricity Sector Modernization and Sustainability (KEMS)	

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Moldova	P160829	TF0B8602	Moldova Regional Power Interconnection Option Study	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
Moldova	P172668	TF0B9095	Moldova: Supporting Energy Efficiency and Sustainable Renewables	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
Türkiye	P151739	TF0B7276	Türkiye: Feasibility Assessments for Geothermal Direct Use Applications	1) Accelerating Decarbonization	1.1) Geothermal Direct Use
Türkiye	P171645	TF0B3338	Türkiye: Promoting Low-Carbon Technologies and Circular Economy in Organized Industrial Zones	1) Accelerating Decarbonization, 2) Renewable Energy	1.1) Industrial Decarbonization, 2.1) Energizing Renewables
Türkiye	P173157	TF0B2395	Türkiye: Energy Transition Program	1) Renewable Energy, 2) Accelerating Decarbonization, 3) Annual Block Grants	1.1) Energy Storage, 1.2) Innovative Solar, 1.3) Energizing Renewables, 1.4) Offshore Wind, 2.1) Zero Carbon Public Sector, 2.2) Geothermal Direct Use
Türkiye	P173157	TF0B7518	Support for the Preparation of Türkiye's Second National Energy Efficiency Action Plan (NEEAP)	1) Accelerating Decarbonization, 2) Annual Block Grants	1.1) Zero Carbon Public Sector
Türkiye	P175011	TF0B9150	Strengthening Capacity for Renewable Energy Sources in the Agriculture and Food Sector in Türkiye	1) Renewable Energy, 2) Accelerating Decarbonization	1.1) Innovative Solar, 2.1) Geothermal Direct Use
Türkiye	P179255	TF0C1118	Enabling the Adoption of Innovative Decarbonization Technologies in Selected Industries in Türkiye	1) Accelerating Decarbonization	1.1) Industrial Decarbonization

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Uzbekistan	P168487	TF0A9281	Uzbekistan: Energy Sector Development Programmatic Support	1) Renewable Energy, 2) Accelerating Decarbonization, 3) Foundations for Energy Transition, 4) Annual Block Grants	1.1) Energizing Renewables, 1.2) Energy Storage, 1.3) Innovative Solar, 2.1) Zero Carbon Public Sector, 3.1) Energy Subsidy Reform Facility
Uzbekistan	P168487	TF0B4974	Uzbekistan: Renewable Energy Scale-up Support	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Accelerating Decarbonization	1.1) Innovative Solar, 1.2) Energizing Renewables, 1.3) Energy Storage, 2.1) Utilities for the Energy Transition, 3.1) Zero Carbon Public Sector
Western Balkans	P179826	TF0C1499	Low Carbon Development Assistance to Montenegro	1) Annual Block Grants	
GLOBAL					
World		TF011316	SIDS/DOCK Program Management	1) Small Island Developing States (SIDS)	
World		TF097014	Carbon Finance CCS Reimbursements to the Bank (Quarterly Billing)	1) Carbon Capture, Utilization, & Storage (CCUS)	
World		TF0A6021	ESMAP Communications & Outreach	1) Program Management & Administration, M&E, Communication, Knowledge Management	1.1) Communications
World		TF0A6071	ESMAP Program Management & Administration	1) Program Management & Administration, M&E, Communication, Knowledge Management	1.1) Program Management & Administration (PM&A)

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
World		TF0A6072	ESMAP Knowledge Management	1) Program Management & Administration, M&E, Communication, Knowledge Management	1.1) Knowledge Management
World		TF0A6359	OGE Power Systems Planning -TF	1) Annual Block Grants	
World		TF0B9737	ESMAP Program Management & Administration	1) Program Management & Administration, M&E, Communication, Knowledge Management	1.1) Program Management & Administration (PM&A)
World		TF0B9738	ESMAP Monitoring & Evaluation	1) Program Management & Administration, M&E, Communication, Knowledge Management	1.1) Monitoring & Evaluation (M&E)
World		TF0B9742	ESMAP Communications & Outreach	1) Program Management & Administration, M&E, Communication, Knowledge Management	1.1) Communications
World		TF0B9923	OGE Power Systems Planning, FY2021-24 - Own-Managed - 2	1) Annual Block Grants	
World	P170090	TF0B9705	Offshore Wind Development Program, FY2021-24 - Own-Managed - 2	1) Renewable Energy	1.1) Offshore Wind
World	P171037	TF0B1753	Quality Assurance Capacity Building for the Off-Grid Solar Sector	1) Electricity Access	1.1) Off-Grid Solar
World	P173841	TF0C0156	Green Hydrogen Support Program, FY2021-24 - Own-Managed - 2	1) Accelerating Decarbonization	1.1) Green Hydrogen

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
World	P174081	TF0C0115	Utilities for Energy Transition, FY2021-24 - Own-Managed - 2	1) Foundations for Energy Transition	1.1) Utilities for the Energy Transition
World	P174202	TF0B3091	EnRen - Own-Managed	1) Renewable Energy	1.1) Energizing Renewables
World	P174326	TF0B9605	Energy Subsidy Reform TA Facility, FY2021-24 - Own-Managed - 2	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility
World	P174361	TF0B8021	Electricity Access Program Supervision	1) Electricity Access	1.1) Integrated Electrification Strategies and Planning
World	P174481	TF0B9603	Tracking SDG7, FY2021-24 - Own-Managed - 2	1) Energy Data & Analytics	1.1) Tracking SDG 7 Report
World	P175150	TF0B9624	Off-Grid Solar Scale-Up, FY2021-24 - Own-Managed	1) Electricity Access	1.1) Off-Grid Solar
World	P175151	TF0B9717	Mini Grid Facility, FY2021-24 - Own-Managed	1) Electricity Access	1.1) Global Mini Grids Facility
World	P175153	TF0B9972	Integrated Electrification Strategies & Planning, FY2021-24 - Own-Managed	1) Electricity Access	1.1) Integrated Electrification Strategies and Planning
World	P175657	TF0B5769	COVID-19 Energy Access Relief Fund	1) Electricity Access	1.1) Off-Grid Solar
World	P176641	TF0B8410	Global: Sustainable Performance Tracking Framework for Power Utilities	1) Foundations for Energy Transition, 2) Energy Data & Analytics	1.1) Energy Markets, Connectivity and Trade, 1.2) Utilities for the Energy Transition, 1.3) Energy Subsidy Reform Facility, 2.1) Energy Data Hub
World	P177102	TF0B7292	Improving Private Solutions in Hydropower Projects	1) Renewable Energy	1.1) Hydropower Development Facility
LATIN AMERICA AND CARIBBEAN					
Andean Countries	P179029	TF0C0149	Bolivia: Energy Access and Strengthening of Distribution Utilities	1) Electricity Access, 2) Annual Block Grants	1.1) Integrated Electrification Strategies and Planning

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Andean Countries	P179029	TF0C0996	Assessing Energy Subsidy Reforms to Support the Green Energy Transition in Ecuador	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility
Argentina	P159843	TF0B5640	Promoting Sustainable and Energy Efficient Social Housing in the Province of Buenos Aires	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector, 1.2) Efficient and Clean Cooling
Brazil	P179030	TF0B9934	Clean Energy Transition in Brazil	1) Renewable Energy, 2) Accelerating Decarbonization, 3) Foundations for Energy Transition, 4) Annual Block Grants	1.1) Offshore Wind, 1.2) Hydropower Development Facility, 2.1) Green Hydrogen, 3.1) Utilities for the Energy Transition
Caribbean	P159107	TF0B6221	Implementation Mechanisms and Time-bound Action Plan for Accelerating EE and Distributed RE in Residential, Commercial, Public, and Industrial Buildings in Grenada	1) Renewable Energy, 2) Accelerating Decarbonization	1.1) Innovative Solar, 2.1) Zero Carbon Public Sector
Caribbean	P159107	TF0B9847	Accelerating Green Energy Transition in St. Lucia	1) Annual Block Grants	
Caribbean	P159107	TF0C1577	Accelerating Energy Transition in Guyana	1) Annual Block Grants	
Central America	P169052	TF0B2957	Advisory Services to Accompany the Development of the Electricity Sector Regulatory and Normative Frameworks in Honduras	1) Annual Block Grants	

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Central America	P178163	TF0B8047	Supporting the Energy Transition in Central America through Energy Subsidy Reforms	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Subsidy Reform Facility
Central America	P178163	TF0B8154	Defining Commercial Conditions for the Deployment of and Private Investments in Storage Solutions in the Dominican Republic, Costa Rica, El Salvador, and Panama	1) Renewable Energy	1.1) Energy Storage
Central America	P178163	TF0B8623	Enabling Environment for an Energy Efficiency Fund in Costa Rica and El Salvador, 2	1) Accelerating Decarbonization, 2) Annual Block Grants	1.1) Zero Carbon Public Sector
Central America	P178163	TF0B8678	Analysis of OECD Recommendations for Improved Performance of Costa Rica's Power Sector	1) Annual Block Grants	
Central America	P178163	TF0B8827	Mobilizing Private Finance to Accelerate the Deployment of Clean and Efficient Cooling Solutions in Panama 2	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Central America	P178163	TF0C0445	Honduras: Electricity Cost-Reflective Tariff Implementation and Subsidy Reform Support	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility
Central America	P178163	TF0C0570	Panama: Clean Cooking Support	1) Clean Cooking Fund	
Central America	P178163	TF0C1325	Accelerating Green Energy Transition in Honduras through Sustainable Energy Investments and Utility Improvement Measures	1) Accelerating Decarbonization, 2) Renewable Energy, 3) Annual Block Grants	1.1) Zero Carbon Public Sector, 2.1) Innovative Solar

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Central America	P178163	TF0C1985	Panama: Green Hydrogen Support	1) Accelerating Decarbonization, 2) Annual Block Grants	1.1) Green Hydrogen
Colombia	P178980	TF0B9922	Industrial Decarbonization through Low Carbon Hydrogen	1) Accelerating Decarbonization, 2) Annual Block Grants	1.1) Industrial Decarbonization
Colombia	P178980	TF0C1913	Support the Implementation of Colombia's Offshore Wind Industry Development and First Concession Process	1) Renewable Energy	1.1) Offshore Wind
Dominica	P156500	TF013661	Small Island Developing States (SIDS): Geothermal Development in Dominica	1) Small Island Developing States (SIDS)	
Dominica	P162149	TF0B1219	Dominica: Geothermal Risk Mitigation BETF	1) Renewable Energy, 2) Accelerating Decarbonization	1.1) Energizing Renewables, 2.1) Geothermal Direct Use
Dominican Republic	P180512	TF0C1178	Dominican Republic: Support for Implementation of Energy Efficiency Programs	1) Accelerating Decarbonization, 2) Renewable Energy	1.1) Zero Carbon Public Sector, 1.2) Industrial Decarbonization, 2.1) Innovative Solar
Dominican Republic	P180512	TF0C1807	Dominican Republic: Advanced Metering for Loss Reduction and Distribution Governance Improvement and Support for Scaled-up Distributed Generation	1) Foundations for Energy Transition	1.1) Utilities for the Energy Transition
Haiti	P156719	TF0B3955	Solar Hybrid Electricity Systems for Prioritized Healthcare and Water Facilities in Haiti in the Context of COVID-19	1) Electricity Access	1.1) Improve Livelihoods and Human Capital

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Haiti	P177503	TF0B7244	Programmatic ASA for Haiti: Electricity Access and Sustainable, Resilient and Inclusive Development of the Energy Sector	1) Electricity Access, 2) Energy Data & Analytics, 3) Foundations for Energy Transition, 4) Annual Block Grants	1.1) Integrated Electrification Strategies and Planning, 1.2) Global Mini Grids Facility, 1.3) Improve Livelihoods and Human Capital, 2.1) Multi-tier Energy Access Tracking Framework (MTF) (including data on clean cooking and displaced communities), 3.1) Utilities for the Energy Transition
Latin America	P144569	TF014176	Assessment of Geothermal Potential in LAC	1) Renewable Energy, 2) Annual Block Grants	1.1) Energizing Renewables
Latin America and Caribbean	P163363	TF0A4742	LAC Energy and Gender Program	1) Renewable Energy, 2) Annual Block Grants, 3) Foundations for Energy Transition	1.1) Energizing Renewables, 3.1) Closing Gender Gaps in Energy
Latin America and Caribbean	P179222	TF0C1350	LAC in a Greening World: Green Hydrogen Deep Dive	1) Annual Block Grants	
Mexico	P164389	TF0B9438	Mexico: Floating Solar in the Cutzamala Water Distribution System	1) Renewable Energy	1.1) Innovative Solar
Mexico	P177694	TF0B9404	Fostering Decarbonization of the Industry Sector in Mexico	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
St. Lucia	P161316	TF0B2294	St Lucia: Renewable Energy Sector Development Project (ESMAP-DFID BETF)	1) Renewable Energy	1.1) Energizing Renewables
St. Lucia	P161316	TF0B5992	St Lucia: Renewable Energy Sector Development FCDO (UK) Grant	1) Renewable Energy	1.1) Energizing Renewables

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
MIDDLE EAST AND NORTH AFRICA					
Algeria	P179021	TF0B9638	Algeria: Energy Transition Acceleration	1) Renewable Energy	1.1) Energizing Renewables
Iraq	P155335	TF0B0192	Iraq: Energy Sector Programmatic Technical Assistance	1) Annual Block Grants	
Lebanon	P170769	TF0B1373	Generation Mix and Transmission System Planning for 2020-2030	1) Annual Block Grants	
Middle East and North Africa	P163837	TF0A5196	MNA Energy and Gender Program	1) Annual Block Grants, 2) Foundations for Energy Transition	2.1) Utilities for the Energy Transition, 2.2) Closing Gender Gaps in Energy
Middle East and North Africa	P174504	TF0B5900	Pan-Arab Regional Energy Trade Investment Support Energy Connectivity Sustainability Security (PA-RETP2.0)	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
Middle East and North Africa	P502045	TF0C1397	Support for the Development of Renewable Energy Projects	1) Renewable Energy, 2) Annual Block Grants	1.1) Energizing Renewables
Morocco	P174586	TF0C0658	Morocco: Energy Storage Testbed	1) Renewable Energy	1.1) Energy Storage
Morocco	P179931	TF0C0850	Technical, Safeguard, and Financial/ Structuring Review Support for IFAHSA Hydropower Pumped Storage Project Preparation	1) Renewable Energy	1.1) Hydropower Development Facility
Tunisia	P164625	TF0A6788	Power Interconnector - Project Preparation Technical Assistance (TA) in the Republic of Tunisia (BETF)	1) Annual Block Grants	

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Tunisia	P164625	TF0A6789	Power Interconnector - Project Preparation Technical Assistance (TA) in the Republic of Tunisia (RETF)	1) Annual Block Grants	
Yemen, Republic of	P178347	TF0C1512	Increasing Access to Improved and Clean Cooking in Yemen	1) Clean Cooking Fund	
SOUTH ASIA					
Afghanistan	P173775	TF0B5205	Solarization of Vaccine Storage Facilities in Afghanistan	1) Electricity Access	1.1) Improve Livelihoods and Human Capital
Bangladesh	P161246	TF0C1090	Promoting Clean and Energy Efficient Cooling for Livestock Supply Chains in Bangladesh	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Bangladesh	P174650	TF0B5508	Bangladesh: Electricity Distribution Network Transformation	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Annual Block Grants, 4) Electricity Access, 5) Energy Data & Analytics	1.1) Energizing Renewables, 1.2) Energy Storage, 1.3) Innovative Solar, 2.1) Utilities for the Energy Transition, 4.1) Integrated Electrification Strategies and Planning, 5.1) Multi-tier Energy Access Tracking Framework (MTF) (including data on clean cooking and displaced communities)
Bhutan	P174327	TF0B8049	Sustainable Hydropower Development Project	1) Renewable Energy	1.1) Hydropower Development Facility
India	P132620	TF0C1089	Business and Financing Models to Scale Up India's Private Market of Energy Efficiency and Sustainable Cooling	1) Accelerating Decarbonization, 2) Annual Block Grants	1.1) Efficient and Clean Cooling

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
India	P168590	TF0B7919	Mainstreaming Building Energy Efficiency and Climate Resilience Agenda in Tamil Nadu	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
India	P170590	TF0B9152	Supporting Automation in Electricity Distribution for Increasing the Capability for integrating Distributed Energy Resource (DER)	1) Foundations for Energy Transition	1.1) Utilities for the Energy Transition
India	P170602	TF0B1586	India: Supporting Energy Transition	1) Renewable Energy, 2) Accelerating Decarbonization, 3) Foundations for Energy Transition, 4) Electricity Access	1.1) Energizing Renewables, 1.2) Innovative Solar, 1.3) Energy Storage, 1.4) Hydropower Development Facility, 1.5) Offshore Wind, 2.1) Efficient and Clean Cooling, 2.2) Zero Carbon Public Sector, 3.1) Supporting Coal Regions in Transition, 4.1) Improve Livelihoods and Human Capital
India	P170602	TF0B5384	India: Supporting Structural Reforms in Electricity Distribution Sector	1) Annual Block Grants	
India	P170602	TF0B5641	Green Hydrogen Opportunities and Roadmap for India	1) Accelerating Decarbonization	1.1) Industrial Decarbonization, 1.2) Green Hydrogen
India	P170602	TF0B8918	Catalyzing Scalable Industrial Decarbonization Technologies in India	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
India	P170602	TF0C0366	India: Supporting Energy Transition - Phase 2	1) Foundations for Energy Transition, 2) Carbon Capture, Utilization, & Storage (CCUS)	1.1) Supporting Coal Regions in Transition

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
India	P170602	TF0C1109	Promoting Solar Deployment in the selected Indian States/ Utilities	1) Renewable Energy	1.1) Energizing Renewables
India	P174798	TF0B7294	Improving Energy-Efficiency in Fish Cooling Value-Chain in South Asia, with focus on India	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
India	P177844	TF0C0781	Supporting Electricity Distribution Sector Reforms in States in India	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Utilities for the Energy Transition, 1.2) Energy Subsidy Reform Facility
Maldives	P145482	TF0B5106	Maldives: Supporting Energy Transition and Integrated Resource Planning in an Island-Grid Context	1) Small Island Developing States (SIDS)	
Nepal	P171183	TF0B7870	Nepal: Clean Cooking Study	1) Clean Cooking Fund	
Nepal	P171183	TF0B9380	Project Preparation and Implementation Capacity Enhancement for Nepal Energy Sector Agencies and Support Policy and Regulatory Reform	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
Pakistan	P169313	TF0B0583	Pakistan: Technical Assistance on Electricity Distribution Efficiency Improvement	1) Annual Block Grants	
Pakistan	P169313	TF0B0934	Pakistan: Sustainable Energy Program	1) Accelerating Decarbonization, 2) Renewable Energy	1.1) Efficient and Clean Cooling, 1.2) Zero Carbon Public Sector, 2.1) Energizing Renewables, 2.2) Innovative Solar

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Pakistan	P169313	TF0B4266	Pakistan: Energy Access Technical Assistance (TA)	1) Electricity Access, 2) Energy Data & Analytics	1.1) Integrated Electrification Strategies and Planning, 1.2) Global Mini Grids Facility, 1.3) Off-Grid Solar, 2.1) Multi-tier Energy Access Tracking Framework (MTF) (including data on clean cooking and displaced communities)
Pakistan	P169313	TF0B8125	Pakistan: Electricity Subsidy Reform	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Subsidy Reform Facility
Pakistan	P170230	TF0B6930	Technical Assistance for Transition to Wholesale Electricity Market	1) Annual Block Grants	
South Asia	P173928	TF0B6500	South Asia Gender and Energy Facility II - ESMAP	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Utilities for the Energy Transition, 1.2) Closing Gender Gaps in Energy
Sri Lanka	P166865	TF0B5911	Floating Solar PV Development Option Study	1) Renewable Energy	1.1) Innovative Solar
Sri Lanka	P175305	TF0B4044	Offshore Wind Development Roadmap and Demonstration Project Study - Sri Lanka	1) Renewable Energy	1.1) Offshore Wind

CLOSED ESMAP ACTIVITIES, FY2024

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
AFRICA EAST					
Angola	P176630	TF0B9121	Climate Friendly Solutions (including Energy Efficiency) to Support COVID-19 Pandemic Response	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Botswana	P178822	TF0B9310	Botswana: Renewable Energy Integration Support	1) Renewable Energy	1.1) Energizing Renewables
Burundi	P133610	TF0B2281	Burundi: Preparation of a Subsidy Reduction Trajectory and Financial Recovery Plan for REGIDESO	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Subsidy Reform Facility
Burundi	P156012	TF0B9333	Operationalizing Solar Power Systems Maintenance in Health Sector	1) Electricity Access	1.1) Improve Livelihoods and Human Capital
Eastern and Southern Africa	P075941	TF0C1412	Assessment of Rusumo Power Company Limited to Operate and Maintain Rusumo Falls Hydropower Plant	1) Renewable Energy	1.1) Hydropower Development Facility
Eastern and Southern Africa	P146987	TF0A8482	Lighting Africa (Phase II)	1) Electricity Access, 2) Accelerating Decarbonization	1.1) Off-Grid Solar, 2.1) Efficient and Clean Cooling
Eastern and Southern Africa	P162806	TF0A4508	Solar Resource Mapping: East Africa	1) Energy Data & Analytics	1.1) Energy Data Hub
Eastern and Southern Africa	P165617	TF0A6192	Africa Regional Geospatial Planning Support	1) Electricity Access, 2) Annual Block Grants	1.1) Integrated Electrification Strategies and Planning, 1.2) Global Mini Grids Facility
Eastern and Southern Africa	P173217	TF0B2333	Energy Leap (AFRICA)	1) Electricity Access, 2) Clean Cooking Fund	1.1) Integrated Electrification Strategies and Planning, 1.2) Leave No One Behind, 1.3) Off-Grid Solar, 1.4) Global Mini Grids Facility
Eastern and Southern Africa	P176468	TF0B5851	Utility Performance and Behavior in Africa Today (UPBEAT): Maintaining and Updating Continental Utility Data Platform to Support Improvements in Utilities' Performance	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Utilities for the Energy Transition, 1.2) Energy Markets, Connectivity and Trade, 1.3) Energy Subsidy Reform Facility

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Ethiopia	P173750	TF0B6714	Ethiopia: Strengthen Climate Friendly Cold Chain Infrastructure Development for quality and equitable deployment of COVID19 and other vaccines in Ethiopia	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Ethiopia	P173750	TF0B8531	Energy Support for the Delivery of COVID-19 vaccines to Conflict Affected Populations	1) Electricity Access	1.1) Leave No One Behind
Kenya	P173040	TF0B5094	Options Analysis for Promoting Productive Use of Electricity and Demand stimulation in Kenya	1) Electricity Access, 2) Foundations for Energy Transition	1.1) Improve Livelihoods and Human Capital, 1.2) Financial Innovation for Energy Access, 2.1) Utilities for the Energy Transition
Malawi	P168577	TF0B3629	Clean and Energy Efficient Cooling Interventions for Micro, Small and Medium Enterprises in Malawi	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Malawi	P175899	TF0B7517	Climate-friendly and Sustainable Energy Solutions for Improving Access, Quality, and Safety of Essential Health Services in Malawi	1) Electricity Access, 2) Accelerating Decarbonization	1.1) Improve Livelihoods and Human Capital, 2.1) Efficient and Clean Cooling
Rwanda	P164520	TF0B3655	Rwanda: Energy Efficient Cold Storage for Agriculture	1) Accelerating Decarbonization, 2) Electricity Access	1.1) Efficient and Clean Cooling, 2.1) Improve Livelihoods and Human Capital
Sao Tome & Principe	P173783	TF0B7973	Sao Tome and Principe (STP): Climate-friendly Health System E-Mobility	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
South Sudan	P175227	TF0B4320	Pathways to Electricity Access Expansion in South Sudan	1) Electricity Access, 2) Annual Block Grants, 3) Energy Data & Analytics	1.1) Integrated Electrification Strategies and Planning, 1.2) Global Mini Grids Facility, 1.3) Off-Grid Solar, 1.4) Improve Livelihoods and Human Capital, 3.1) Multi- tier Energy Access Tracking Framework (MTF) (including data on clean cooking and displaced communities)
South Sudan	P176480	TF0B7442	Strengthening Energy- Efficient, Climate Friendly Cold Chain in South Sudan - BETF	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Sudan	P174352	TF0B7441	Climate Friendly Cold Chain in Sudan - BETF	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Tanzania	P165128	TF0A8813	Tanzania: Promoting Energy Efficiency in Service Delivery and Infrastructure Investments in Zanzibar	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
Zambia	P170796	TF0B3121	Energy Sector PASA for Zambia	1) Annual Block Grants, 2) Electricity Access, 3) Foundations for Energy Transition, 4) Clean Cooking Fund	2.1) Integrated Electrification Strategies and Planning, 3.1) Energy Subsidy Reform Facility
Zimbabwe	P170960	TF0B2752	Zimbabwe: Support for Solar Program Development and Coal Transition	1) Renewable Energy	1.1) Energizing Renewables
Zimbabwe	P176141	TF0B7412	Energy Efficient Cold Chain Equipment for COVID-19 Vaccine Deployment in Zimbabwe - BETF	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
AFRICA WEST					
Cabo Verde	P170236	TF0B5152	Assessment of Battery Storage Potential in Cabo Verde	1) Renewable Energy	1.1) Energy Storage
Cameroon	P177995	TF0C0688	AFW Energy Subsidies Analytics - Just-in-Time Support for Cameroon and Republic of Congo	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility
Central African Republic	P164885	TF0B2371	Support for the Promotion and Implementation of Solar PV Projects in Central African Republic	1) Electricity Access, 2) Renewable Energy, 3) Annual Block Grants	1.1) Global Mini Grids Facility, 1.2) Improve Livelihoods and Human Capital, 1.3) Off-Grid Solar, 2.1) Energizing Renewables, 2.2) Hydropower Development Facility, 2.3) Energy Storage
Ghana	P163984	TF0B0723	Ghana: Energy Sector Subsidy Reform Program	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility
Liberia	P176686	TF0B8524	Liberia: Energy Sector Programmatic Advisory Services and Analytics	1) Electricity Access, 2) Foundations for Energy Transition, 3) Annual Block Grants	1.1) Global Mini Grids Facility, 1.2) Off-Grid Solar, 2.1) Utilities for the Energy Transition
Niger	P160170	TF0B1992	Assessment on Electricity Access for Host Communities and Forcibly Displaced People in the Lake Chad Basin	1) Electricity Access	1.1) Leave No One Behind
Niger	P173846	TF0B6955	Energy Efficient Cold Chain Equipment for Vaccine Deployment in Niger	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Nigeria	P167156	TF0B2619	Nigeria: Improved Child Survival Program for Human Capital Multiphase Programmatic Approach	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling, 1.2) Zero Carbon Public Sector

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Western Africa	P173172	TF0B2090	Assessment on Electricity Access for Host Communities and Forcibly Displaced People in the Sahel	1) Electricity Access	1.1) Leave No One Behind
EAST ASIA AND PACIFIC					
Cambodia	P176906	TF0B7751	Enhancing the Enabling Environment in Energy Policy and Energy Access in Cambodia	1) Annual Block Grants	
Cambodia	P176906	TF0C1030	Enhancing the Enabling Environment in Energy Policy and Energy Access in Cambodia	1) Annual Block Grants	
China	P172281	TF0B2652	China: Energy Revolution Programmatic ASA	1) Accelerating Decarbonization, 2) Renewable Energy, 3) Annual Block Grants	1.1) Zero Carbon Public Sector, 2.1) Energizing Renewables, 2.2) Energy Storage
China	P172281	TF0B9540	UK Prosperity Fund: China Energy Transition Program	1) Renewable Energy	1.1) Energizing Renewables
China	P173306	TF0B2717	Technical Assistance for China Sustainable Urban Cooling	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling, 1.2) Zero Carbon Public Sector
China	P173461	TF0B6030	Energy Efficiency and Persistent Organic Pollutants Mitigation in Iron and Steel Industry in China	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
Indonesia	P155047	TF0B2516	Indonesia: Energy Transition and Sustainable Access to Modern Energy for All	1) Renewable Energy	1.1) Energizing Renewables
Indonesia	P166071	TF0B2515	Indonesia: Energy Transition and Sustainable Access to Modern Energy for All	1) Renewable Energy	1.1) Energizing Renewables

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Indonesia	P173293	TF0B4220	Indonesia: Energy Transition and Sustainable Access to Modern Energy for All - ESRF	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility
Lao People's Democratic Republic	P169538	TF0B0599	Lao PDR: Clean Cook Stove Initiative (ESMAP)	1) Clean Cooking Fund	
Lao People's Democratic Republic	P169538	TF0B2443	Lao PDR: Clean Cook Stove Initiative Project Implementation	1) Clean Cooking Fund	
Mongolia	P178171	TF0B9446	Mongolia: Energy Sector Financial Viability ASA	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Subsidy Reform Facility
Pacific Islands	P152653	TF0A1342	Pacific Islands: Sustainable Energy Industry Development Project SIDS DOCK Financing	1) Small Island Developing States (SIDS)	
Pacific Islands	P180641	TF0C1225	Support for the Fifth Annual Energy and Transport Ministers Meeting	1) Annual Block Grants	
Philippines	P175004	TF0B5114	Philippines: Energy Transition: Securing a Clean and Affordable Energy Future	1) Renewable Energy, 2) Accelerating Decarbonization	1.1) Energizing Renewables, 1.2) Offshore Wind, 2.1) Zero Carbon Public Sector
Philippines	P175004	TF0C0835	Philippines: Energy Transition: Securing a Clean and Affordable Energy Future - Phase 2	1) Renewable Energy	1.1) Offshore Wind
Viet Nam	P176851	TF0C0530	Accelerating the Clean Energy Transition in Vietnam	1) Renewable Energy, 2) Accelerating Decarbonization, 3) Foundations for Energy Transition	1.1) Energizing Renewables, 1.2) Offshore Wind, 2.1) Zero Carbon Public Sector, 3.1) Utilities for the Energy Transition, 3.2) Supporting Coal Regions in Transition

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Viet Nam	P178764	TF0B8831	Vietnam: Promoting Low Carbon Technologies and Industrial Parks	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
EUROPE AND CENTRAL ASIA					
Azerbaijan	P175716	TF0B4434	Support to Azerbaijan Energy Sector Market Reforms and Offshore Wind Development	1) Renewable Energy, 2) Annual Block Grants	1.1) Offshore Wind
Europe and Central Asia	P177744	TF0B9553	Hydropower Development Facility in Select ECA Countries	1) Renewable Energy	1.1) Hydropower Development Facility
Europe and Central Asia	P177744	TF0B9716	Just in Time Briefs Related to Energy Crisis	1) Annual Block Grants	
Kazakhstan	P180209	TF0C1253	Roadmap for Modernization and Expansion of Hydropower Plants	1) Renewable Energy	1.1) Hydropower Development Facility
Tajikistan	P168211	TF0B8118	Review of Technical, Environmental and Social, and Commercial Aspects of Rogun Hydropower Power Plant (HPP) Project	1) Renewable Energy	1.1) Hydropower Development Facility
Tajikistan	P170132	TF0B8832	Identification of Prospective Wind Sites in Tajikistan	1) Renewable Energy	1.1) Energizing Renewables
Türkiye	P177079	TF0B6268	Türkiye: E-mobility Program	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
Türkiye	P177079	TF0C0124	Türkiye: E-Mobility Program, 2	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
Uzbekistan	P168487	TF0B1752	Uzbekistan: Support for Preparation of Energy Sector Strategy Programmatic ASA	1) Foundations for Energy Transition	1.1) Energy Subsidy Reform Facility

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Uzbekistan	P168487	TF0B4268	Fostering Industrial Decarbonization in Uzbekistan through Innovative Technologies	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
Uzbekistan	P176060	TF0B6094	Decarbonization of Heating and Cooling Systems in Buildings in Uzbekistan	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
Uzbekistan	P180500	TF0C3617	Uzbekistan: Transformation of Power Distribution Sector	1) Foundations for Energy Transition	1.1) Utilities for the Energy Transition
Western Balkans	P169389	TF0B1935	Western Balkans: Energy Transition Program	1) Accelerating Decarbonization, 2) Renewable Energy, 3) Annual Block Grants	1.1) Zero Carbon Public Sector, 2.1) Energizing Renewables
GLOBAL					
World		TF0A5993	ESMAP Monitoring & Evaluation	1) Program Management & Administration, M&E, Communication, Knowledge Management	1.1) Monitoring & Evaluation (M&E)
World		TF0B9736	ESMAP Knowledge Management	1) Program Management & Administration, M&E, Communication, Knowledge Management	1.1) Knowledge Management
World	IFC-00603979	TF0B2086	Develop Climate Smart Cold Chain Solutions with IFC Clients	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
World	IFC-00603979	TF0B7803	IFC Decarbonization Advisory and Investment Transaction-Linked Support for the Industrial Sectors - 1	1) Accelerating Decarbonization	1.1) Industrial Decarbonization

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
World	IFC- 00606560	TF0B8159	Technical and Economic Assessment of Investment Opportunities in Green Hydrogen	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
World	P165586	TF0B5680	Scaling Up De-Carbonization in Water Utilities: Financing and Implementation of Energy Efficiency, Renewable Energy, and New Technologies	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
World	P171173	TF0B2450	Decarbonizing Natural Gas Using Carbon Capture Utilization and Storage	1) Carbon Capture, Utilization, & Storage (CCUS)	
World	P171194	TF0B3997	Coal Transition Program, FY2021-24 - Own-managed	1) Foundations for Energy Transition	1.1) Supporting Coal Regions in Transition
World	P171194	TF0B7015	India: Developing a Coal Mine Closure Framework, Achieving a Just Transition for All	1) Foundations for Energy Transition	1.1) Supporting Coal Regions in Transition
World	P173658	TF0B4422	Technical Assistance to Selected Countries to Realign Agricultural and Energy Policies and Support for Sustainable Food Systems	1) Renewable Energy, 2) Foundations for Energy Transition	1.1) Innovative Solar, 2.1) Energy Subsidy Reform Facility
World	P173908	TF0B3762	Hydropower Development Facility, FY2021-24 - Own-Managed	1) Renewable Energy	1.1) Hydropower Development Facility
World	P173908	TF0C2588	Hydropower Development Facility II, FY2021-24 - Own-Managed	1) Renewable Energy	1.1) Hydropower Development Facility
World	P173931	TF0B9844	Energy Data Hub, FY2021-24 - Own-Managed - 2	1) Energy Data & Analytics	1.1) Energy Data Hub

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
World	P173969	TF0B3095	Energy Storage Program, FY2021-24 - Own-Managed	1) Renewable Energy	1.1) Energy Storage
World	P173969	TF0B9601	Energy Storage Program, FY2021-24 - Own-Managed - 2	1) Renewable Energy	1.1) Energy Storage
World	P174100	TF0B9677	Innovative solar program, FY2021-24 - OWN-MANAGED - 2	1) Renewable Energy	1.1) Innovative Solar
World	P174202	TF0B3092	International Solar Alliance (ISA) - Own-Managed	1) Renewable Energy	1.1) Energizing Renewables
World	P174232	TF0B3109	Clean Cooking Fund, FY2021-24 - Own-Managed	1) Clean Cooking Fund	
World	P174232	TF0B9607	Clean Cooking Fund, FY2021-24 - Own-Managed - 2	1) Clean Cooking Fund	
World	P174320	TF0B9654	World: Electricity Demand Estimation, FY2021-24 - Own-Managed - 2	1) Accelerating Decarbonization	1.1) Green Hydrogen
World	P174364	TF0B3188	Geothermal Program, FY2021-24 - Own-Managed	1) Accelerating Decarbonization	1.1) Geothermal Direct Use
World	P174481	TF0B3159	RISE Regulatory Indicators for Sustainable Energy	1) Energy Data & Analytics	1.1) Regulatory Indicators for Sustainable Energy (RISE) / Regulatory Benchmarking Project
World	P174481	TF0B3160	MTF Global Survey	1) Energy Data & Analytics	1.1) Multi-tier Energy Access Tracking Framework (MTF) (including data on clean cooking and displaced communities)
World	P174481	TF0C3401	RISE Regulatory Indicators for Sustainable Energy, II	1) Energy Data & Analytics	1.1) Regulatory Indicators for Sustainable Energy (RISE) / Regulatory Benchmarking Project

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
World	P174488	TF0B3189	World: ESMAP Geothermal Electricity Development Program	1) Renewable Energy	1.1) Energizing Renewables
World	P174488	TF0C2587	ESMAP Geothermal Electricity Development Program II, FY2021-24 - Own-Managed	1) Accelerating Decarbonization	1.1) Geothermal Direct Use
World	P174518	TF0B3880	World: Electricity Markets, Connectivity and Trade (MARCOT) Program	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
World	P174518	TF0B9820	Electricity Markets, Connectivity and Trade (MARCOT) Program, FY2021-24 - Own-Managed - 2	1) Foundations for Energy Transition	1.1) Energy Markets, Connectivity and Trade
World	P174659	TF0B9613	ESMAP Zero Carbon Public Sector, FY2021-24 - Own-Managed	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector
World	P174660	TF0B3569	ESMAP Efficient Clean Cooling Program, FY2021-24 - Own-Managed	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
World	P174660	TF0B9777	Efficient and Clean Cooling - Own Managed	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
World	P174661	TF0B3542	ESMAP Accelerating Decarbonization, FY2021-24 - Own-Managed	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
World	P175149	TF0B4030	Leaving No One Behind, FY2021-24 - Own-Managed	1) Electricity Access	1.1) Leave No One Behind
World	P175149	TF0B9632	Leaving No One Behind, FY2021-24 - Own-Managed	1) Electricity Access	1.1) Leave No One Behind
World	P175152	TF0B3965	Improving Livelihoods through Productive Use of Electricity	1) Electricity Access	1.1) Improve Livelihoods and Human Capital

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
World	P175152	TF0B3966	Improving Livelihoods and Human Capital - Own Managed	1) Electricity Access	1.1) Improve Livelihoods and Human Capital
World	P175153	TF0C3043	Global Electrification Platform (GEP), FY2021-24 - Own-Managed	1) Energy Data & Analytics	1.1) Global Electrification Platform (GEP)
World	P175154	TF0B9909	Financial Innovation for Energy Access, FY2021-24 - Own-Managed	1) Electricity Access	1.1) Financial Innovation for Energy Access
World	P175305	TF0B4458	Commercial, Public, and Industrial Buildings Energy Efficiency and Cooling	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector, 1.2) Efficient and Clean Cooling
World	P175482	TF0B9757	ESMAP Gender and Energy Global Program	1) Foundations for Energy Transition	1.1) Closing Gender Gaps in Energy
World	P175657	TF0B6059	Supervision of COVID-19 Energy Access Relief Fund	1) Electricity Access	1.1) Off-Grid Solar
World	P176438	TF0B5505	Jobs - Own-Managed - BETF	1) Other	
World	P178069	TF0B8202	Supporting the Development of Sustainable Hydropower Projects and Operations	1) Renewable Energy	1.1) Hydropower Development Facility
World	P178069	TF0C0689	Sediment Management in Reservoirs and Run-of-the-River Projects - Phase 2	1) Renewable Energy	1.1) Hydropower Development Facility
World	P178446	TF0C0984	Integrating Renewable Energy into the National Wealth Accounts and Analyzing its Policy Implications	1) Renewable Energy	1.1) Innovative Solar
World	P180920	TF0C1222	Report: Financing Hydrogen	1) Accelerating Decarbonization	1.1) Green Hydrogen

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
LATIN AMERICA AND CARIBBEAN					
Argentina	P176905	TF0B8126	Energy Efficient Cold Chain for the Agro-Industrial System in Argentina	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Belize	P179520	TF0C1224	Capacity Strengthening of Belize Government Officials on Battery Storage Technology and Markets	1) Annual Block Grants	
Caribbean	P159107	TF0B5506	Accelerating Green Energy Transition in Grenada	1) Annual Block Grants	
Central America	P178163	TF0B8307	Facilitating Investments in Geothermal Direct Use in El Salvador and Costa Rica	1) Accelerating Decarbonization, 2) Annual Block Grants	1.1) Geothermal Direct Use
Central America	P178163	TF0B8411	Strategy and Roadmap for Green Hydrogen Development in Costa Rica	1) Accelerating Decarbonization, 2) Annual Block Grants	1.1) Green Hydrogen
Colombia	P172319	TF0B2682	Support the Implementation of the Energy Transition and Modernization of the Power Sector in Colombia	1) Electricity Access, 2) Accelerating Decarbonization, 3) Foundations for Energy Transition	1.1) Integrated Electrification Strategies and Planning, 1.2) Off-Grid Solar, 1.3) Global Mini Grids Facility, 2.1) Zero Carbon Public Sector, 3.1) Utilities for the Energy Transition
Dominica	P162149	TF0A9545	Dominica: Geothermal Risk Mitigation Project	1) Renewable Energy	1.1) Energizing Renewables
Dominican Republic	P175874	TF0B5807	Supporting Electricity Sector Reforms in the Dominican Republic	1) Foundations for Energy Transition, 2) Annual Block Grants	1.1) Energy Subsidy Reform Facility
Guatemala	P173480	TF0B7984	Energy Efficient Cold-Chains for Agriculture in Guatemala	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling
Mexico	P149872	TF0C0107	Energy Efficiency Policy Report - Mexico	1) Annual Block Grants	

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
MIDDLE EAST AND NORTH AFRICA					
Iraq	P168745	TF0A9925	Iraq: Gas Sector Reform	1) Annual Block Grants	
Middle East and North Africa	P170546	TF0B3749	Unlocking E-Mobility Development Potential in MENA (ESMAP)	1) Accelerating Decarbonization	1.1) Zero Carbon Public Sector, 1.2) Efficient and Clean Cooling
Middle East and North Africa	P174504	TF0B5841	Pan-Arab Regional Energy Trade Investment Support - CCU - Component 3 of PA-RETP 2.0	1) Carbon Capture, Utilization, & Storage (CCUS)	
Tunisia	P178700	TF0B9637	Enhancing the Performance and Financial Viability of the Tunisian Energy Sector, 2	1) Accelerating Decarbonization, 2) Foundations for Energy Transition, 3) Renewable Energy, 4) Annual Block Grants	1.1) Zero Carbon Public Sector, 2.1) Energy Subsidy Reform Facility, 3.1) Energizing Renewables, 3.2) Innovative Solar
SOUTH ASIA					
Afghanistan	P173775	TF0B6034	Solarization of Vaccine Storage Facilities in Afghanistan (BE)	1) Electricity Access	1.1) Improve Livelihoods and Human Capital
Bangladesh	P131263	TF0A8133	Implementation Support for Bangladesh Clean Cooking Program	1) Clean Cooking Fund	
Bangladesh	P161869	TF0A6626	Scaling-up Renewable Energy in Bangladesh	1) Renewable Energy, 2) Annual Block Grants	1.1) Energizing Renewables, 1.2) Innovative Solar
Bangladesh	P170688	TF0B3140	Maximize Sustainable and Resilient Energy Supply and Use in Green Economic Zones in Bangladesh	1) Accelerating Decarbonization, 2) Renewable Energy	1.1) Industrial Decarbonization, 2.1) Innovative Solar
Bangladesh	P172183	TF0B0886	Bangladesh: Roadmap for Meeting Energy Needs of Refugees and Host Communities	1) Electricity Access, 2) Clean Cooking Fund	1.1) Leave No One Behind, 1.2) Global Mini Grids Facility
Bangladesh	P172183	TF0B2221	Bangladesh: Energy Transitions	1) Accelerating Decarbonization, 2) Renewable Energy, 3) Annual Block Grants	1.1) Efficient and Clean Cooling, 1.2) Zero Carbon Public Sector, 2.1) Energy Storage, 2.2) Energizing Renewables

COUNTRY/ SUB REGION	P#	TF#	PROJECT NAME	ESMAP THEMATIC AND CROSS-CUTTING	PRIORITY
Bhutan	P174327	TF0B8144	Sustainable Hydropower Development Project (SHDP)	1) Annual Block Grants	
India	P170590	TF0B0661	Supporting Government of India's 24x7 Power for All Program in West Bengal	1) Annual Block Grants	
India	P170602	TF0C0232	Impact of Fossil Fuel Prices' Volatility on the Energy Sector in South Asia	1) Annual Block Grants	
India	P170602	TF0C2963	CCUS India Energy	1) Carbon Capture & Storage (CCUS)	
India	P178053	TF0B8741	Uttar Pradesh Clean Air Management Project: Clean Cookstove Program	1) Clean Cooking Fund	
Nepal	P171183	TF0B1747	Support Sustainable Hydropower Development in Nepal	1) Renewable Energy	1.1) Hydropower Development Facility
Pakistan	IFC-00603641	TF0B7466	Industrial Decarbonization in Pakistan	1) Accelerating Decarbonization	1.1) Industrial Decarbonization
Pakistan	P169313	TF0B8180	Industrial Decarbonization Study	1) Annual Block Grants	
South Asia	P167971	TF0B5507	Accelerate South Asia Power Market (ASAP): Development of Regional Wholesale Market Design Options for Cross Border Electricity Trade among BBINS Countries	1) Renewable Energy, 2) Foundations for Energy Transition, 3) Annual Block Grants	1.1) Hydropower Development Facility, 2.1) Energy Markets, Connectivity and Trade
Sri Lanka	P175305	TF0B9996	Commercial, Public, and Industrial Buildings Energy Efficiency and Cooling, Additional Financing	1) Accelerating Decarbonization	1.1) Efficient and Clean Cooling

ANNEX C

ESMAP PUBLICATIONS, FY2024

Regions

AFR	Africa
EAP	East Asia and Pacific
ECA	Europe and Central Asia
LCR	Latin America and the Caribbean
MNA	Middle East and North Africa
SAR	South Asia Region

ISBN, PUB NO., OR PROJECT NO.	COUNTRY/ REGION	TITLE	AUTHOR/TTL
P176468	AFR	Utility Performance and Behavior in Africa Today (UPBEAT): Update Briefing	World Bank and ESMAP
P177280	EAP	Women's Employment in Renewable Energy In The East Asia And Pacific Region	World Bank
P177744	ECA	Net Zero Energy by 2060 Charting the Path of Europe and Central Asia Toward a Secure and Sustainable Energy Future ENGLISH RUSSIAN	Losz, Akos; Kanudia, Amit; Mayer, Armin Michael; Akcura, Elcin; Toth, Peter; Malischek, Raimund Alexander Viktor; De Miglio, Rocco; Doczi, Szilvia; Keskes, Tarek
Live Wire 2024/132	ECA	Net Zero Energy by 2060: Charting the Path of Europe and Central Asia toward a Secure and Sustainable Energy Future	Doczi, Szilvia; Losz, Akos; Kanudia, Amit; Mayer, Armin Michael; Bobur Kodjaev; Akcura, Elcin; Toth, Peter; Malischek, Raimund Alexander Viktor; De Miglio, Rocco; Keskes, Tarek
P177744	ECA	Toward a Framework for the Sustainable Heating Transition in Europe and Central Asia OVERVIEW ENGLISH RUSSIAN	World Bank and ESMAP

ISBN, PUB NO., OR PROJECT NO.	COUNTRY/ REGION	TITLE	AUTHOR/TTL
P163273	ECA	Exploring Opportunities for Women's Empowerment in the Energy Sector in Central Asia	World Bank
P170546	Egypt	Job Creation and Skills Development During the Energy Transition - Egypt	Gazzo, Alexis; Robert, Jean-Gabriel; Decoopman, Camille; Dhiaf, Meryem Ben; Amin, Ghada; Elmassry, Ihab
P174361 ESMAP Report	Global	Accelerating the Productive Use of Electricity: Enabling Energy Access to Power Rural Economic Growth	Golumbeanu, Raluca Georgiana; Besnard, Juliette Suzanne Georgette; Bonsuk, Koo; Hinrichs, Federico Nicolas; Finucane, James Robert; Purcell, Chris; Barnes, Douglas French
Live Wire 2024/131	Global	Adapting Spatial Frameworks to Guide Energy Access Interventions in Urbanizing Africa	Kersey, Jessica; Koo, Bryan Bonsuk
P175151 ESMAP Report (FR)	Global	Des Mini-Réseaux Pour Un Demi-Milliard De Personnes Perspectives Du Marché Et Guide Pour Les Décideurs'	ESMAP
P176438 ESMAP Working Paper	Global	Employment Impacts of Clean Energy Investments in Emerging Market Economies - A Review of the Literature and Methodologies Used in Assessment	Saussay, Aurélien; Dobrotková, Zuzana; Pargal, Sheoli
P176438 ESMAP Case Study	Global	Employment Impacts of Closure and Repurposing of Coal Power Plants - Job Creation Potential of the Clean Energy Transition: Case Study	Dobrotková, Zuzana; Ferre, Celine; Gajderowicz, Tomasz Janusz; Pargal, Sheoli
P174202	Global	Empowering Small Island Developing States Scaling Up Renewable Energy for Resilient Economic Growth	Meyer, Megan; Nicolas, Claire Marion; De Bakker Doctors, Rebeca; Ravillard, Pauline Ariane; Matthew, George Jr Shaundel
P173969 ESMAP Report	Global	Energy Storage for Mini Grids: Status and Projections of Battery Deployment	ESMAP
P177486 ESMAP Technical Report	Global	Energy Subsidy Reform in Action Distributional Analysis for Informing Energy Subsidy Reforms Review of Recent Approaches	Olivier, Anne; Matytsin, Mikhail; Gencer, Defne

ISBN, PUB NO., OR PROJECT NO.	COUNTRY/ REGION	TITLE	AUTHOR/TTL
P174326 ESMAP Technical Report	Global	Energy Subsidy Reform in Action Macroeconomic Modeling and Energy Subsidy Reform Policy Dialogue Recent Experience, Insights, and Perspectives: Technical Report	Njinkeu, Dominique; Djiofack, Calvin Zebaze; Gencer, Defne; Beyene, Lulit Mitik; Mosuru Olukayode Alli
P174326 ESMAP Technical Report	Global	Energy Subsidy Reform in Action Political Economy Analysis and Communications for Energy Subsidy Reform Approaches and Insights from Recent Technical Assistance	Moerenhout, Tom; Gencer, Defne; Arizu, Beatriz; Lee, Min A; Braun, Hannah
P174326	Global	Energy Subsidy Reform in Action Approaches and Insights from Recent Research on Energy Subsidy Reform	Bacon, Robert; Gencer, Defne
P176963 ESMAP Technical Report	Global	Energy Subsidy Reform in Action Total Carbon Pricing for Energy Consumption: The Importance of Energy Taxes and Subsidies	Agnolucci, Paolo; Gencer, Defne; Heine, Dirk
P174100 ESMAP Technical Report	Global	From Sun to Roof to Grid Power Systems and Distributed PV Technical Report	ESMAP
P174488 ESMAP Report	Global	Geothermal Energy Unveiling the Socioeconomic Benefits	Pinnington, Stephanie Alexandra and Rai, Kavita
P174202 ESMAP Position Paper	Global	How to Unlock Pipelines of Bankable Renewable Energy Projects in Emerging Markets and Developing Countries? Position Paper	Cornieti, Sabine and Nicolas, Claire
P174202 ESMAP Technical Report	Global	Hydropower Unveiling the Socioeconomic Benefits	Hallgrimsdottir, Elin; Pinnington, Stephanie Alexandra; Rai, Kavita
Joint Report	Global	Institutional Architecture for Regional Power System Integration: Government, Utility and Regulator Roles	International Energy Agency, In collaboration with Regulatory Energy Transition Accelerator initiative, The World Bank, Energy Sector Management Assistance Program, International Renewable Energy Agency
P170090 ESMAP Report	Global	Integrated Environmental & Social Sensitivity Mapping Guidance for Early Offshore Wind Spatial Planning	World Bank

ISBN, PUB NO., OR PROJECT NO.	COUNTRY/ REGION	TITLE	AUTHOR/TTL
P176438 ESMAP Report	Global	Jobs for a Livable Planet Job Creation Potential of the Clean Energy Transition	Dobrotková, Zuzana; Pargal, Sheoli; and Fichaux, Nicolas
Live Wire 2024/135	Global	Mini Grids for Underserved Main Grid Customers	Tenenbaum, Bernard; Greacen, Chris; Shrestha, Ashish
P176438 ESMAP Working Paper	Global	Potential Labor Market Impacts of the Clean Energy Transition A CGE Analysis for Nine Countries in Sub-Saharan Africa	Rojas Romagosa, Hugo Alexander; Dobrotková, Zuzana; Nicolas, Claire Marion; Pargal, Sheoli
P173908 ESMAP Technical Report	Global	Power of Flexibility Facilitating the Energy Transition with Hybrid Hydropower Solutions	Brunes, Bente; Harby, Atle; and Hallgrimsdottir, Elin
P175482 ESMAP Technical Report	Global	Power with Full Force Getting to Gender Equality in the Hydropower Sector	ESMAP
P180920 ESMAP Report	Global	Scaling Hydrogen Financing for Development Executive Summary ENGLISH SPANISH	ESMAP, OECD, GIF, Hydrogen Council
P174321 ESMAP Report	Global	Sustainable Cooling in Off-Grid Rural Areas The Nexus between Access to Energy and Clean Cooling	Blyth, Leo Joseph; Hartley, Benjamin Michael
P500450	Global	The Critical Link Empowering Utilities for the Energy Transition	World Bank
P174361	Global	The Off-Grid Solar Policy Toolkit Supporting Inter-Ministerial Collaboration to Advance Energy Access, Digital Transformation, and Financial Inclusion	World Bank / ESMAP
P170090 ESMAP Report	Global	The Role of Concessional Climate Finance in Accelerating the Deployment of Offshore Wind in Emerging Markets	World Bank
P174232 ESMAP Report	Global	The State of Cooking Energy Access in Schools Insights from an Exploratory Study	ESMAP
P176438 ESMAP Discussion Paper	Global	Tracking Jobs in Projects Focused on Clean Energy and Productive Uses of Electricity: Discussion Paper	Aghababayan, Anna; Rai, Kavita; Lang, Megan Elizabeth

ISBN, PUB NO., OR PROJECT NO.	COUNTRY/ REGION	TITLE	AUTHOR/TTL
P174481 Joint Report	Global	Tracking SDG7: The Progress Report 2024	World Bank IEA, IRENA, UNStats, WHO
P179074 ESMAP Report	Global	Unlocking the Energy Transition Guidelines for Planning Solar-Plus-Storage Projects	Amit Jain, Talal Kanaan, Luiz Maurer
P176438 ESMAP Case Study	India	Jobs Generated by the Rampur Hydropower Project in India Job Creation Potential of the Clean Energy Transition: Case Study	Dobrotková, Zuzana; Pargal, Sheoli; Aghababayan, Anna; Pedersen, Anders
P176438 ESMAP Case Study	Kosovo	Jobs Generated by the Kosovo Energy Efficiency and Renewable Energy Project Job Creation Potential of the Clean Energy Transition: Case Study	Dobrotková, Zuzana; Pargal, Sheoli; Aghababayan, Anna; Pedersen, Anders
P176438 ESMAP Case Study	Malawi	Jobs Generated by the Energy Sector Support Project in Malawi Job Creation Potential of the Clean Energy Transition: Case Study	Dobrotková, Zuzana; Pargal, Sheoli; Aghababayan, Anna; Pedersen, Anders
P174041	MNA	Transmission Pricing Methodologies for use in the Pan-Arab Electricity Market	C. Douglas Bowman. Mohamed Zakaria Kamh. Waleed Tayseer Alhaddad
P170546	MNA	Unlocking Electric Mobility Potential in MENA Executive Summary: Morocco	Li, Yanchao; Sarkar, Ashok; Daito, Nobuhiko; Keskes, Tarek; Panier, Kristin; Rodriguez De La Rubia Gassol, Maria; Zhao, Yao; Chidakwa, Munyaradzi
P170546	MNA	Unlocking Electric Mobility Potential in MENA Executive Summary: Jordan	World Bank
P170546	MNA	Unlocking Electric Mobility Potential in MENA Executive Summary: Egypt	Li, Yanchao; Sarkar, Ashok; Daito, Nobuhiko; Keskes, Tarek; Panier, Kristin; Rodriguez De La Rubia Gassol, Maria; Zhao, Yao; Chidakwa, Munyaradzi
P170546	MNA	Unlocking Electric Mobility Potential in MENA Executive Summary: Mobile Cooling	Li, Yanchao; Sarkar, Ashok; Daito, Nobuhiko; Keskes, Tarek; Panier, Kristin; Rodriguez De La Rubia Gassol, Maria; Zhao, Yao; Chidakwa, Munyaradzi

ISBN, PUB NO., OR PROJECT NO.	COUNTRY/ REGION	TITLE	AUTHOR/TTL
P170546	MNA	Unlocking E-Mobility Potential in MENA: Regional Chapeau Report Executive Summary Report	Li, Yanchao; Sarkar, Ashok; Daito, Nobuhiko; Keskes, Tarek; Panier, Kristin; Rodriguez De La Rubia Gassol, Maria; Zhao, Yao; Chidakwa, Munyaradzi
P170546	Morocco	Job Creation and Skills Development During the Energy Transition Morocco	Alexis, Gazzon; Robert, Jean-Gabriel; Decoopman, Camille; Lévêque, Emeline; Dinard, Adrien; Zeddou, Nadia
P176438 ESMAP Case Study	Nigeria	Jobs Generated by the Nigeria Electrification Project Job Creation Potential of the Clean Energy Transition: Case Study	Dobrotková, Zuzana; Pargal, Sheoli; Aghababayan, Anna; Pedersen, Anders
P174481	Nigeria	Nigeria: Beyond Connections Energy Access Diagnostic Report Based on the Multi-Tier Framework	Bonsuk, Koo; Portale, Elisa; Rysankova, Dana
P174361 WB International Development in Focus	Nigeria, India	Mini Grid Solutions for Underserved Customers: New Insights from Nigeria and India	Tenenbaum, Bernard; Greacen, Chris; Shrestha, Ashish
P176438 ESMAP Case Study	Pakistan	Jobs Generated by the Sindh Solar Energy Project in Pakistan Job Creation Potential of the Clean Energy Transition: Case Study	Dobrotková, Zuzana; Pargal, Sheoli; Aghababayan, Anna; Pedersen, Anders
P169313	Pakistan	Pakistan Beyond Connections Energy Access Diagnostic Report Based on the Multi-Tier Framework	Choi, Hyun Jin; Qayyum, Saadia; Koo, Bonsuk
P180641	Papua New Guinea	Papua New Guinea: Beyond Connections Energy Access Diagnostic Report Based on the Multi-Tier Framework	Rahman, Aditi Sadia; Koo, Bonsuk
P176438 ESMAP Case Study	Peru	Jobs Generated by the Second Rural Electrification Project in Peru Job Creation Potential of the Clean Energy Transition: Case Study	Dobrotková, Zuzana; Pargal, Sheoli; Aghababayan, Anna; Pedersen, Anders
P176438 ESMAP Case Study	Rwanda	Jobs Generated by the Rwanda Development Policy Operations Job Creation Potential of the Clean Energy Transition: Case Study	Dobrotková, Zuzana; Pargal, Sheoli; Aghababayan, Anna; Pedersen, Anders

ISBN, PUB NO., OR PROJECT NO.	COUNTRY/ REGION	TITLE	AUTHOR/TTL
P174792	Sierra Leone	Sierra Leone: Beyond Connections Energy Access Diagnostic Report Based on the Multi-Tier Framework	Khan, Safa; Koo, Bryan Bonsuk
P175305	Sri Lanka	Offshore Wind Roadmap for Sri Lanka	World Bank / ESMAP
P176438 ESMAP Case Study	Tanzania	Jobs Generated by the Regional Rusumo Falls Hydroelectric Project Job Creation Potential of the Clean Energy Transition: Case Study	Dobrotková, Zuzana; Pargal, Sheoli; Hallgrimsdottir, Elin; Aghababayan, Anna; Pedersen, Anders
P170546	Tunisia	Job Creation and Skills Development During the Energy Transition: Tunisia	Gazzo, Alexis; Robert, Jean-Gabriel; Decoopman, Camille; Dhiaf, Meryem Ben; Othmen, Mohamed Ben; Farhat, Sarra; Boukhachab, Sofia

