

MAPPING OF CURRENT DONOR AND INTERNATIONAL EFFORT IN VIETNAM ENERGY SECTOR

Donor/Agency	Project name	Description/Description of interventions	Type of support	Time frame	Implementing agency	RE	EE	ESR	EA	EDS	
ADB	Power Transmission Investment Program–Tranche 1	australia and the UK are providing funds to a World Bank led project, the Vietnam Climate Innovation Center (VICIC). The project supports entrepreneurs/ SMEs in developing and commercialising innovative solutions in green economic sectors such as energy e	Loan (sovereign)	2011–2017	National Power Transmission Corporation (NPT)				x		
ADB	Power Transmission Investment Program–Tranche 2	The second tranche of the multitranche loan facility will finance the expansion of the transmission network, improve the operational effectiveness and efficiency of the National Power Transmission Corporation, and project implementation support.	Loan (sovereign)	2012–2017					x		
ADB	Power Transmission Investment Program–Tranche 3	The Asian Development Bank is working with Viet Nam to improve the transmission network to balance power loads in northern, central, and southern Viet Nam. The project is upgrading 500 kilovolt and 220 kilovolt transmission lines and improving the operational effectiveness and efficiency of the National Power Transmission Corporation.	Loan (sovereign)	2015 - 2020					x		
ADB	Ha Noi and Ho Chi Minh City Power Transmission Development Sector project	The projects indicative outputs are (i) strengthened institutional capacities of HNPC and HCMPC; and (ii) the development and rehabilitation of 220 kV and 110 kV transmission lines and substations of Ha Noi and Ho Chi Minh City. It is co-financed by ADB with Asean Infrastructure Fund (AIF) and US\$100 million from Vietnam Government.	Loan (sovereign)	2014 - 2018	Hanoi and HCMC Power Corporations				x		
ADB	Renewable Energy Development Network Expansion and Rehabilitation for Remote Communes Sector	The primary objective of the sector Project is to develop rural electrification and renewable energy in Viet Nam to benefit ethnic minority communities inhabiting remote and poorer parts of the country. The Project consists of two investment components: (i) development of mini-hydropower plants in mountain provinces, and (ii) network expansion and rehabilitation of distribution networks serving poor provinces. The Project will include an associated technical assistance (TA) grant for capacity building for renewable energy development.	Loan (sovereign)	2009 - 2017	NPC, CPC, SPC				x		
ADB	Renewable Energy Development and Network Expansion and Rehabilitation for Remote Communes Sector - Additional Financing		Grant	2015 - 2017		x					
ADB	Capacity Building of Renewable Energy Development		TA	2009 - 2017		x					
ADB	Establishing the Wholesale Electricity Market	The impact of the TA is that national electricity growths are met sustainably through deregulation. The activities of the TA include (i) Basic and advanced trainings on generic wholesale market mechanisms; (ii) Recommendation on new functions and critical requirements of Power Corporations and NLDC (SMO) for the VWEM; (iii) Review the current ICT infrastructure of Power Corporations and NLDC (SMO), and recommendation for upgrading ICT infrastructure for the VWEM.	TA	2015 - 2018	ERAV			x			
ADB	Rural Electrification	The project preparatory technical assistance (PPTA) will conduct a feasibility study for the Asian Development Bank (ADB)'s supported Rural Electrification (RE) Project in Viet Nam, which should include: (i) rationale/justification of the rural electrification project; (ii) assessments of the project sites proposed by the government; (iii) full feasibility study for the selected project sites; and (iv) preparation of all project documents required by ADB for the investment of the project.	TA	2015 - 2018	MOIT and EVN				x		
ADB	Power Sector Reform Program	The TA impact will be an adequate and reliable supply of power for socioeconomic development. The outcome will be an improved regulatory framework and policy actions for a reliable and competitive wholesale electricity market. The TA outputs will be (i) key policy actions and regulations for competitive power market operation and (ii) key policy actions and regulations to ensure long-term adequate electricity supply.	TA	2016 - 2019	MOIT (EREA and ERAV)			x			
ADB	Enhancing readiness for solar power deployment in Viet Nam	The Viet Nam Energy Sector Assessment, Strategy, and Roadmap, identifies support for energy efficiency and renewable energy generation as one of the five key areas for 2016 to 2020. The S-KSTA provides a substantive entry into the renewable energy space in response to the government's increased emphasis and identified financing requirements.	TA	2017 - 2018	ADB		x				
ADB	Integrated Resource Planning with Strategic Environmental Assessment for Sustainable Power Sector Development in the Greater Mekong	Based on the recommendations and lesson learnt of previous RETAs, the proposed RETA is designed to (i) enhance the GMS countries' capacity in applying IRP with SEA in their PDPs; (ii) improve regulations, policies, programs and/or targets for RE and EE as necessary and as validated through the IRP; and (iii) support the cross-border interconnections as necessary and as validated through the IRP. The RETA will particularly focus on Viet Nam as the country has greater potential for mitigating climate change impacts. The RETA outputs will be also disseminated through RPTCC meetings, which are organized twice a year. The TA activities will be closely coordinated with the GMS Environment Operations Center (EOC)'s Core Environment Program (CEP), which has provided assistance on the SEA for power development planning in Viet Nam.	TA	2017 - 2019	ADB	x	x				
ADB	Harmonizing the GMS Power Systems to Facilitate Regional Power Trade	To support the continuous work of the Regional Power Trade Coordination Committee, the Working Group on Performance Standard and Grid Code, the Working Group on Regulatory Issues, and eventually the Regional Power Coordination Center in laying the essential building blocks to facilitate GMS regional power trade.	TA	2015-2019	ERAV			x			
ADB	Viet Nam: Municipal Waste-to-Energy Project	China Everbright International Limited (CEIL) aims to develop and invest in WTE projects with a combined capacity of up to 7,500 tons of MSW daily in Viet Nam. Each WTE plant will treat MSW, recover waste heat for power generation and supply to the local grid, purify waste gas, and treat leachate. By 2028, 2.5 million tons of MSW will be treated per year, 790 GWh of electricity will be generated annually, and approximately 787,300 tons of carbon dioxide equivalent (tCO2e) emissions will be avoided on average per year.	Loan (non-sovereign)	2018-2028	China Everbright International Limited (CEIL)	x					

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ADB	Southeast Asia Energy Sector Development, Investment Planning and Capacity Building Facility	The transaction technical assistance (TA) facility will provide project preparatory assistance, technical support, policy advice, knowledge sharing, and capacity building to support the implementation of ongoing projects and strengthen due diligence and improve project readiness to Southeast Asian developing member countries (DMCs) for a series of lending projects and programs identified in the country operations business plans, 2018-2020. The TA facility will also provide technical knowledge services and capacity building support to ongoing projects, especially for renewable energy grid integration, battery storage system, ESCO development, LED street lighting, rooftop solar project, and other needs as arise.	TA	2018-2021	ADB		x			
Australia	Vietnam Climate Innovation Center	Australia and the UK are providing funds to a World Bank led project, the Vietnam Climate Innovation Center (VICIC). The project supports entrepreneurs/ SMEs in developing and commercialising innovative solutions in green economic sectors such as energy efficiency, waste management, transport, food and water security, renewable energy and biofuels. The project's objective is to increase green growth business innovations by supporting entrepreneurs and SMEs involved in technological solutions through the operations of the Vietnam Climate Innovation Center	Technical Assistance, Grant	2015-2020	National Agency for Technology Entrepreneurship and Commercialisation (NATEC)- Ministry of Science and Technology (MOST)	x	x			
AFD	Power Transmission Line 500kV and 220 kV (co-financing with ADB)	500 kV Transmission Line to connect Pleiku to Cau Bong, on a distance of 437km, crossing five provinces and some other 500kV and 220kV substations.		2013-2017	NPT					
AFD	Ensuring Sustainability of GMS Regional Power Development - Phase 2	Phase 2 of the study will strengthen the case for better consideration of environmental, social and energy security aspects into power planning in the GMS region: - Capacity building - SEA approach applied to a national power development plan (PDP) - tentatively Vietnam revised PDP VII - Technical exchanges on best practices (How to increase the share of intermittent energy? How to use demand side management as nega-watt?)		2015-2017	ADB					
Denmark	Danish Energy Partnership Programme	The Danish Energy Partnership Programme 2017-2020 (DEPP) is partnership between the Danish Energy Agency and the Ministry of Industry and Trade with the aim to increase the adoption of cost-effective opportunities for low carbon transition in energy system throughout Viet Nam. - Capacity development for long-range energy sector planning - Capacity development for Renewable Energy Integration into the Power System - Low carbon development in the industrial sector	Grant	2017-2020	MOIT					
EU	Energy Sector Policy Support Programme to enhance Access to Sustainable Energy in Rural Areas of Vietnam	The proposed programme aims at supporting the Government of Vietnam (GoV) to implement its targeted programme on electricity supply to rural, mountainous and island areas over the 2013 – 2020 period. It will contribute to the alleviation of poverty in Vietnam and to sustainable and inclusive growth by promoting availability and quality electricity services in rural areas. The programme meets the needs identified in the EU-Vietnam Multi-annual Indicative Programme 2014-2020 and is in line with the country priorities as set out in the Vietnam's Socio-Economic Development Plan (2011-2020), the National Energy Development Strategy to 2020 and 2050, the Renewable Energy Development Strategy up to 2030 with an outlook to 2050 and the Paris Agreement on Climate Change. The programme is also in line with the seventh and thirteenth sustainable development goals which foresee ensuring access to affordable, reliable, sustainable and modern energy for all and urgent climate change action and its impacts. More specifically the proposed programme aims to: 1) Support the implementation of the targeted programme on electricity supply to rural, mountainous and island areas 2013-2020; 2) Enhance the governance of the energy sector to facilitate the shift to a more sustainable energy development path. This programme will also contribute to put in place the regulatory framework needed to develop Vietnam's commitment to reduce its energy-related green gas emission in the context of the 21st Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC) in December 2015 (COP 21).	Grant	2017-2021	EREA + GIZ	x	x		x	x
EU	EU Vietnam Energy Facility	This is the complementary support to the above budget support programme. Its specific objective is that the Government and key stakeholders improve the pre-conditions for universal energy access, utilization of renewable energy and increase of energy efficiency. The Facility has four components, which are (i) Implementation of a Demand-Driven Technical Assistance Facility; (ii) Secretariat to the Vietnam Energy Partnership Group (VEPG) ; (iii) Monitoring of the above budget support programme; and (iv) Result monitoring, communication and visibility. The Facility is co-financed by the EU And the German Government.	Grant	2018 - 2011	GIZ	x	x		x	x
EU	Supporting hydroelectric electricity production increase in Vietnam	Together with AfD, it is about accompanying the extension of Ialy power plant (Ialy II project Gia Lai Province) that will increase the capacity of the power plant by around 360 MW (+50%). The EU accompanying measure will help enhancing current practices regarding health, safety and environmental (HSE) aspects on the construction site as well as operation and maintenance (O&M) procedures to maximize electricity generation.	Grant	2018-2023	AfD/EVN - Contract is being negotiated	x				
EU	Danang Solar Energy Development	Implemented by Danang Energy Efficiency Centre (DECC), the project The project is to contribute to increase accessibility to clean energy source in Da Nang on sustainable development basis. This will be achieved through: 1/ Improving regulatory environment for solar energy and promote solar energy services to end-users, 2/ Pilot installation of solar PV system in selected (local health centres and/or schools and some un-electrified poor households) including in the DECC showroom for demonstration effect, and 3/ Capacity building and knowledge exchange to enhance awareness among local authorities, energy managers, private investors, relevant stakeholder and even rural and remote households	Grant	2017-2020	Local Authority - Danang Energy Conservation Centre		x			
EU	EU Energy Initiative partnership dialogue support on "Net metering policy to promote the scale-up of solar rooftop in Vietnam	Objective was to support the shaping of a net metering in Vietnam. EU EI PDF has been able to provide technical capacity building, and to show that there was a very high potential for the integration of solar roof top electricity production. The results of the study include policy recommendation to address contractual issues with net metering. More technical issues, in particular the grid code requirements to ensure a proper development of solar roof top in Vietnam were also reviewed.	Grant	2016-2017	GiZ - ERAV	x				
EU	Civil society meets RE&EE - trainings, seminars and communication skills to boost RE&EE as a key tool for sustainable development and green growth strategy in Vietnam (E-Enhance)	To foster RE&EE development in Vietnam through building civil society and local champions for improving energy access and living conditions of Vietnamese citizens	Grant	2017-2021	GreenID	x	x			
EU	Enhance Energy Data and Statistics of Vietnam in view of the Establishment of an Energy Information System in Vietnam	this project provides assistance to MOIT (EREA) to develop a roadmap and an action plan for the establishment of the Vietnam Energy Information System (VEIS"	Grant	2017-2018	EU in cooperation with MOIT					x
EU	VEPG Secretariat 1 & 2	Support the establishment and start-up of the Viet Nam Energy Partnership Group (VEPG) between Development Partners and MOIT.	Grant	Mid 2016 - Mid 2018	EU in cooperation with MOIT	x	x	x	x	x

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Global Green Growth Institute	Scaling up Renewable Energy in Viet Nam	The project is a collaboration between GGGI and MOIT to support the development of RE market in Viet Nam through policy recommendations as well as bankable project development. Specifically, it supports Soc Trang PPC to develop the Provincial Biomass Energy Planning, as well as conducts pre-feasibility studies for a pipeline of biomass energy projects to get access to finance.	Technical Assistance	2017 - 2018	Global Green Growth Institute	x				
		Conduct a study and draft the National Plan on Renewable Energy Development that reviews the current status of the energy market, identifies difficulties and challenges, and propose solutions to scale up the market and meet the targets set by the National Strategy on Renewable Energy	Technical Assistance	2018	Global Green Growth Institute	x				
GIZ	Up-Scaling of Wind Power in Vietnam	Considering the importance of promoting wind energy in Viet Nam, the German Federal Ministry of Economic Cooperation and Development (BMZ) has committed funds for technical cooperation to carry out the project 'Support to the Up-Scaling of Wind Energy in Viet Nam' in cooperation with MoIT. In order to successfully promote wind energy in the country, the project sets its focus on three components: - Firstly, improving the framework conditions for public and private investors and project developers with regards to technical, commercial and socio-economic aspects. - Secondly, the GIZ project will work on building human capacities and expertise in private companies as well as public institutions. - Thirdly, technology transfer and international cooperation will be facilitated and encouraged.	Grant	2014-2018	MOIT, GIZ	x				
GIZ	Renewable energy and energy efficiency (4E), Phase I	The 4E project aims to generate and shape the necessary legal and regulatory preconditions for investments in renewable energy and energy efficiency, while at the same time providing the required technical and economic foundations for political decision-making and priority setting in Viet Nam. 4E Core Targets: i) Improving legal and regulatory framework conditions as well as related capacities for energy efficiency and renewable energy investments. ii) Policy-making for energy efficiency promotion through systematic stock taking and data analysis as well as macro-economic cost benefit analysis.	Grant	2015-2018	MOIT, GIZ	x				
GIZ	Smart Grids for Renewable Energy and Energy Efficiency	The project supports experts of the Vietnamese power sector in developing a smart power supply system, which allows for an increase integration of renewable energies and supports greater energy efficiency. The project focuses on three main Action Areas that promote the participatory development of smart grid solutions, namely: 1. Legal and Regulatory Framework The objective of this action area is to provide the Electricity Regulatory Authority of Viet Nam (ERAV) with information for improving the regulatory framework for a Smart Grid, which facilitates Renewable Energies and increases Energy Efficiency. Experts who update the Smart Grid Road Map (SGRM) and shape respective regulatory requirements receive support through training. Technically this means understanding the usefulness of internationally proven legal and regulatory requirements and adjusting them to the conditions in Viet Nam. 2. Human Capacity Development One of the project's aims is to establish a Smart Grid knowledge hub, which helps Vietnamese experts and stakeholders to exchange knowledge about the development and management of Smart Grids, state-of-the-art technologies and international approaches. The exchanges also aim to promote awareness about Smart Grids between the government, policy makers, business, research institutes and civil society. 3. Technology Cooperation Through activities in this action area, power sector experts will be presented with and exchange on available technology solutions for an intelligent power supply system, which facilitates the integration of Renewable Energies and improves Energy Efficiency. The experts will learn more about the technologies that are available on an international level and will get insights into the benefits these technologies can have for the Vietnamese power sector. This will happen by evaluating the technologies theoretically, developing and testing pilot schemes and then testing and evaluating system configurations which integrate different technologies.	Grant/ Loan	2017-2021	ERAV, GIZ	x	x	x	x	
GIZ	Renewable energy and energy efficiency (4E), Phase II	The objective of the second phase of the project is to generate and shape the necessary legal and regulatory framework for large-scale renewable energy installations and energy efficiency in industry and strengthen related capacities for its implementation. The project is organised along three main fields of cooperation, namely: - Legal and regulatory framework conditions as well as related capacities for renewable energy investments, with a potential focus on PV. - Policy-making for EE promotion through systematic stock-taking and data-analysis as well as macro-economic cost-benefit analysis - Awareness raising for RE and EE The project is co-financed by the European Union to the tune of EUR 7.5mio to include the "Technical Assistance for the Implementation of the EU-Vietnam Energy Facility", which consists of 5 (Sub)Components.	Grant	2017-2021	MOIT, GIZ	x	x			
GIZ	Programme for Energy Efficiency in Building (PEEB)	The project promotes the creation of regulatory and normative framework conditions, which are a prerequisite for the transformation into a low-emission building sector and an important driver for the development of an energy efficiency market. In addition, it supports the creation of incentive systems that mobilize private sector investment in energy efficiency in buildings and provide long-term planning security for private investors.	Technical Assistance		MONRE (w/ MOC, MPI, MOIT)		x			
KFW	Rural Grid II - Decreasing the Emissions intensity of power supply (commissioned by the German Ministry for Economic Cooperation and Development (BMZ))	Rehabilitation and modernization of power grid in rural areas in Northern, Central and Southern Vietnam in order to reduce losses and avoid CO2 emissions and to ensure a reliable and cost-effective power supply. Installation of new meters, rehabilitation and upgrade of substations and MV & LV lines in rural grid.	Loan	2014-2018	EVN (NPC, CPC, SPC)				x	
KFW	Energy Efficiency in Urban Areas (commissioned by BMZ) (parallel financing with ADB)	Rehabilitation and modernization of power grid in urban areas in Hanoi and HCMC in order to reduce losses and avoid CO2 emissions and to ensure a reliable and cost-effective power supply. Installation of new meters, rehabilitation and upgrade of substations and MV & LV lines in urban grid.	Loan	2014-2019	EVN (Hanoi PC, HCMC PC)		x			

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KFW	Smart Grid - Transmission Efficiency (commissioned by BMZ) (partly cofinancing with ADB)	Improve transmission efficiency, enhance capacity of the transmission network to balance power load. Construction of new transmission lines and substations, upgrade of substations, use of smart technologies.	Loan	2015-2019	NPT				x	
KFW	Efficient Power Grids in small & medium sized cities II (Rural Grids III) (commissioned by BMZ)	Rehabilitation and modernization of power grid in small and medium cities in Northern, Central and Southern Vietnam in order to reduce losses and avoid CO2 emissions and to ensure a reliable and cost-effective power supply. Installation of new meters, rehabilitation and upgrade of substations and MV & LV lines and smart technologies.	Loan	2016-2020	EVN (NPC, CPC, SPC)				x	
KFW	Phu Lac Wind Farm (commissioned by BMZ)	Construction and operation of Wind Farm in Phu Lac (BinhThuan Province) – 24MW.	Loan	2013-2018	EVN / TBW	x				
KFW	Renewable Energy Development Facility "GET FIT" Vietnam (commissioned by BMZ)	Support the roll-out of wind and solar power technology in Vietnam by providing a top-up to renewable energy developers and IPP, possible co-financing with EU	Grant	2018-2024	EVN	x				
Finland	MiniScada/DMS project for Pleiku City	Mini-Scada System Project aims at improving reliability the power distribution system of Pleiku City. The introduction of Mini-Scada is vital to minimize the system faults, reduce the risk of accidents and improve the reality of power supply.	ODA loan	2016-2018	EVN-CPC				x	
Finland	MiniScada/DMS project for Tam Ky city	Mini-Scada System Project aims at improving reliability the power distribution system of Tam Ky City. The introduction of Mini-Scada is vital to minimize the system faults, reduce the risk of accidents and improve the reality of power supply.	ODA loan	2016-2018	EVN-CPC				x	
Finland	The Energy and Environment Partnership Programme for the Mekong region - phase II (EEP Mekong II)	EEP Mekong aims to leverage private sector funding for renewable energy projects in the Mekong countries (Cambodia, Laos, Myanmar, Thailand, and Vietnam).	Grant	2014-2018	MOIT	x				
Finland	Binh Duong Solid Waste Treatment project - phase II	The second phase of the waste treatment centre project will establish a landfill gas (methane) collection system and produce electricity. An industrial waste treatment unit will also be put in place.	ODA loan	2014-2018	BIWASE	x				
SECO	Green building program (2013 – 2017)	Regional Program (China, Indonesia, Vietnam and Philippne). Promote energy efficiency retrofitting in existing buildings as well as to establish standards for new buildings (IFC implementation)	Technical Assistance, Grant	2013 – 2017	IFC/MOC		x			
SECO	Green Credit Trust Fund	Promote energy efficiency and cleaner production investments by SMEs, which result in a positive impact on the environment. Provides credit guarantee and reimburses parts of investments that result in environmental improvements	Financial and technical assistant, Grant	2007-2017	Royal Bank of Canada (RBC) ACB/ Techcombank/ VIBank / VNCPCC		x			
UK	Climate Innovation Centre (infoDev) to be set up in Vietnam (already kicked-off)	The Climate Innovation Centre will provide the following services: 1. Capital provision for early stage risk funding in the form of equity; 2. Support to the private sector through capacity building; 3. Supporting new enterprises; 4. Conducting market analysis. Research and development supporting, climate technology innovation Update Jan 2015 : The program has already set up and completed the very first steps of coaching and concept competition. In 2015, the winning entities/teams will be coached and provide small grants/financial supports for climate innovative projects and technologies.	Grant/ Loan	Phase I: 2013-2018 Phase II: 2018-2022	CSOs, SMEs					
UK	Results Based Financing for Low Carbon Energy Access programme via the Energising Development Initiative	This project uses output-based incentives to expand markets for off-grid clean energy technologies, and includes the Creating a Market Driven Biogas Sector Project in Vietnam implemented by SNV (55,000 biogas digesters)	Grant	2013-2017	MARD	x				
UK	South East Asia Low Carbon Energy Programme	The Programme proposes to deliver from 2018 - 2022 a £15m Programme in South East Asia focusing on low carbon energy. Barriers to South East Asia's low carbon transition are hindering its economic progress (including poverty reduction), and hampering additional key livelihoods including health, climate change resilience, and gender equality. The programme proposes a focus in two areas: Green Finance and Energy Efficiency (roughly 50/50 split). Country: South East Asia: Burma, Indonesia, Malaysia, Thailand, the Philippines, and Vietnam The Objectives of the Programme are to: • Strengthen policy and regulatory frameworks for green finance and energy efficiency; • Facilitate greater investment in low carbon technologies, including improved green finance flows; • Encourage faster reduction of greenhouse gas (GHG) emissions; • Improve the ease of doing business for low carbon projects, energy efficient products and EE products and services; • Increase innovation and knowledge transfer on energy efficiency and low carbon technologies; • Facilitate more efficient use of energy in target countries; • Increase the likelihood of meeting Paris Agreement climate targets.	Grant	2018-2022	TBA		x			
UNDP	Promotion of Non-fired brick production and utilization in Viet Nam (NFB)	The objective of the Project is to reduce the annual growth rate of GHG emissions by displacing the use of fossil fuels and the usage of good quality soil for brick making through the increased production, sale and utilization of non-fired bricks (NFBs) in Viet Nam. This objective will be achieved by removing barriers to increased production and utilization of NFBs through 4 components: i) strengthening existing policies, guidelines, standards and codes for NFB production and usage and building the capacity of responsible government personnel to enforce a strengthened regulatory framework; ii) building the knowledge and capacity of NFB production stakeholders and potential NFB users on NFB technology application and the use of NFB products; iii) improving access of SMEs and other potential NFB investors to affordable capital financing for NFB projects; and iv) technical assistance in demonstrating the development of NFB production lines and the use of NFB products in new building and construction projects. The Project will be implemented over a 5-year period and is expected to generate GHG emission reductions through the displacement of coal-fired clay brick kilns. Direct GHG reduction estimates are 383 ktonnes CO2. Indirect emission reductions are 13,409 ktonnes CO2 that is cumulative for a 10-year period after the end of the Project.	Grant	2014- 2019	Ministry of Science and Technology		x			
UNDP	Energy Efficiency Improvement in Commercial and High-Rise Residential Buildings in Viet Nam (EECB)	The Project has the goal to reduce intensity of GHG emissions from the building sector in Viet Nam. The project objective is to improve the energy utilization performance of commercial and high-rise residential buildings in Ho Chi Minh and Hanoi. Realization of this objective will be achieved through implementation of three components (1) Improvement and Enforcement of Energy Efficiency Building Code; (2) Building Market Development Support Initiatives, and (3) Building EE Technology Applications and Replications. Each component comprises a number of complementary activities designed to remove barriers to the stringent enforcement of the revised EECB, and to the greater uptake of building energy efficiency technologies, systems, and practices in commercial and residential buildings. By EOP, the GEF investment will have catalysed direct GHG emission reduction of about 37,680 tCO2e. The cumulative direct reduction in GHG emissions over the lifetime of the project is envisioned to be 236,382 tCO2e.	Grant	2016 - 2020	Ministry of Construction		x			

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UNDP	Strengthening Capacity and Institutional Reform for Green Growth and Sustainable Development in Vietnam (CIGG)	The initiative builds on earlier partnerships between the Ministry of Planning and Investment (MPI) and the United Nations Development Program (UNDP), and will build capacity to advance green growth by strengthening policies, regulations and technical guidance for the implementation of the Viet Nam Green Growth Strategy and Action Plan. To achieve this the project will i) build capacities of MPI, MOF, MOT and provinces for effective implementation and monitoring of the Viet Nam GGS/AP and for mainstreaming green growth into the SEDP ii) develop policies and regulations to promote green growth investments and sustainable development and iii) improve access to green growth financing and pilot green projects with private sector; undertake climate public expenditure review and public climate expenditure review	Grant	2015- 2018	Ministry of Planning and Investment		x			
UNIDO	Promotion of Energy Efficiency Industrial Boiler adoption and operating practices in Vietnam	To reduce energy consumption and reduce greenhouse gas emissions through promoting the widespread adoption of energy efficiency boilers and best operation practices in industry	Grant	2015-2019	MOIT		x			
UNIDO	Implementation of Eco-industrial Park Initiative for Sustainable Industrial Zones in Viet Nam	Increased transfer, deployment and diffusion of clean and low – carbon technologies and practices for the minimization of GHG emissions, POPs releases and water pollutants as well as improved water efficiency and the sound management of chemicals in industrial zones (IZ) of Vietnam.	Grant	2014-2018	MPI		x			
UNIDO	Strengthen the supply capacity of the fruits and vegetable sector by applying proper technologies along the value chain (UNIDO component under UN JP to support NTP on New Rural Development)	Improved skills and knowledge for enterprises, collectors, and smallholders on good vegetables & fruits (mango) management practice under VietGAP standard, Post-harvest technology, management of vegetable production chain	Grant	2012-2018	MARD		x			
UNIDO	UNIDO-UNEP Global Program on Resource Efficiency and Cleaner Production (RECP) in developing and transition countries (Vietnam component)	To support the government of Viet Nam to identify and fill gaps for the ratification of the Kigali Amendment to the Montreal Protocol and ensure the early compliance of the country vis a vis the new obligations. Priorities of enabling activities in Viet Nam will be as it follows: 1. Cost and Benefit Analysis when Vietnam ratifies the Kigali Amendment to the Montreal Protocol; 2. Country-specific activities aimed at initiating supporting institutional arrangements; 3. Data reporting on HFC consumption		2013-2018	Vietnam Cleaner Production Centre		x			
UNIDO	Regional Project: Demonstration of BAT and BEP in open burning sector in response to the Stockholm Convention on POPs (Viet Nam component)	Expected outcomes: To achieve meaningful and sustainable release reduction of UP-POPs in the open burning sector, through a) partnering in investments for BAT/BEP implementation at selected demonstration sites, b) regulatory and institutional strengthening measures and c) through a regional cooperation and information sharing platform	Grant	2015-2020	MONRE		x			
UNIDO	Enabling activities for HFC phase-down in Viet Nam	Expected outcome: To reduce greenhouse gas emissions by creating an enabling environment for the use of hydrocarbon refrigerants (with a very low GWP) in cold storage facilities in Viet Nam those currently use HCFC-22 for servicing and maintenance purposes.	Grant	2017-2019	MONRE		x			
USAID	Vietnam Low Emission Energy Program (V-LEEP)	V-LEEP's highest level objective is to strengthen the foundation for low emission energy in Vietnam through supporting the Government of Vietnam (GVN) in building effective policies, regulations, and mechanisms to promote low emission development in energy sector; as well as to attract public-private investment in renewable energy development and energy efficiency. • Objective 1: Enhance the GVN's capacity in analyzing and building a clean energy strategy, developing overall energy planning scenarios and assessing GHG emissions minimization options to support decision-making. • Objective 2: Enhance the capacity of state agencies, public sector, and related parties in order to strengthen the application and exploitation of renewable energy for Vietnam. • Objective 3: Enhance the energy efficiency capacity of energy-intensive industries, enforce energy efficiency policy, and conduct energy efficiency programs.	Grant/ Loan	2015-2020	Deloitte Consulting LLP	x	x	x		
World Bank	Renewable Energy Development Project (REDP)	Credit line over US\$200 million to support development of small hydropower	Loan, Grant	Close July 2018	MOIT	x				
World Bank	Trung Son Hydropower Project	260 MW Hydropower Project	Loan, Grant	2020	EVN	x				
World Bank	Distribution Efficiency Project	Upgrading and Expansion of D-Network	Loan, Grant	2020	EVN and PCs		x			
World Bank	Transmission Efficiency Project	Upgrading and expansion of T-network	Loan, Grant	2020	EVN,NPT		x			
World Bank	EE for Industrial Energy Project	Promote EE in industry	Loan, Grant	2023	MOIT, Banks		x			
World Bank	GCF EE for Industry Risk Sharing Facility	Risk Sharing Facility to promote EE in industry	Loan, Grant	2024	MOIT		x			
World Bank	Scaling up ESCOs	Defining strategy for VN to develop ESCOs	Loan, Grant	2018	MOIT		x			
World Bank	Phasing Out Fuel Subsidies	Phasing out Fuel Subsidies	Grant	2018	MOIT			x		
World Bank	Variable RE Integration Study	Looking at costs and benefits of integrating various RE scenarios in power system plan	Grant	2018	MOIT	x				
World Bank	EVN Credit Rating	EVN Credit Rating	Grant	2018	EVN			x		
World Bank	RE Mapping (wind, solar, hydro, biomass)	RE mapping	Grant	2020	MOIT, EVN	x				
World Bank	Maximizing Financing for Energy Development	Unlocking private sector commercial finance for VN energy sector	Grant	2018	GoV, MOIT			x		
World Bank	National Solar Strategy and Rooftop Strategy for HCMC and Danang	Scaling solar PV	Grant	2019	MOIT, HCMC, Danang	x				

Donor/Agency	Project name	Description/Description of interventions	Type of support	Time frame	Implementing agency	RE	EE	ESR	EA	EDS
World Bank	LNG Strategy	Develop LNG Strategy	Grant	2019	MOIT				x	
World Bank	Develop EE Targets and Mandatory EE Regime for VN	Develop efficient EE framework	Grant	2019	MOIT		x			
World Bank	Power Sector Development Policy Series	Develop Competitive Wholesale Electricity Market	Grant	2018	MOIT			x		
World Bank	Lao Vietnam Interconnector	Importing hydropower generated power from Laos to Vietnam	Grant	2020	MOIT, EVN, EDL, MEM			x		
ADEME/AFD/GIZ	Programme for Energy Efficiency in Buildings (PEEB)	The project promotes the creation of regulatory and normative framework conditions, which are a prerequisite for the transformation into a low-emission building sector and an important driver for the development of an energy efficiency market. In addition, it supports the creation of incentive systems that mobilize private sector investment in energy efficiency in buildings and provide long-term planning security for private investors.	TA (GIZ, ADEME), FC (AFD)	2018-2020	MONRE (w/ MOC, MPI, MOIT)		x			
ADEME	Low Carbon Building and sustainable city	The projects seeks for 02 demo projects to apply the bioclimatic design from the beginning, we will play with planning and building itself. The criteria is the project will include a group of buildings and the land is better to be large enough (a minimum of 10,000m2 of construction), it may actually quite flexible for this number. Type of buildings is affordable residential housing Applied Bioclimatic design (high performance buildings) which optimize energy consumption, natural resource consumption... From the urban planning, concept design, detailed design	TA/FA	2017-2019	DSTE/MOC		x			
KOICA	Promoting Investment Market for Energy Efficiency in Industrial Sector in Viet Nam	Fostering the development of energy service companies and facilitating the implementation of energy saving and energy efficiency projects. The project is part of the World Bank funded project "Viet Nam Energy Efficiency for Industrial Enterprises (VEEIE)"	TA/FA	2018-2019	MOIT		x			