## Environmental Infrastructure: Important Sector, Policy, Country and Region Formulate Polcy and Law which are based on JCM Project examples, Each Country and Region

## Submitted the INDC in 2015 Contribution to the GHG emission mitigation Economy-wide (Energy, Transport, Community Waste Management, Industrial Process and Product Use Including Industrial Wastewate) Sector from 2012 to 2030 Period To reduce GHG emissions by 20% compared to BAU in 2005 (555 MtCO2e) **BAU Scenario** Unconditional Contribution To reduce GHG emissions by 20% compared to BAU To reduce GHG emissions by 25% compared to BAU Conditional Contribution

Sector	NDC(tCO2e)	Other Mitigation Actions(tCO2e)	Representative JCM Projects (registered projects and financed projects)	Representative JCM Projects in other countries (registered projects and financed projects)	Relevant Law and Policy	Relevant Ministry	Others (expected improvement policy/ representative Thailandese association)
Power Generation Infrastructures Renewable energy: PV, Wind, Hydro, Biomass and othe	rs						
Solar PV	<ndc: energy="" sector=""> Strategy 1.2: To coordinate the policies and plans with the relevant sectors to drive greenhouse gas mitigation through renewable energy development Plan 1.2.2 Solar energy development: To reduce GHG emissions 4.93 MtCO2 by 2030</ndc:>	<alternative aedp2015="" development="" energy="" plan:=""> Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.1 Support people and a community to participate in the production an utilization of Renewable Energy Strategy3: Create awareness and access to knowkedge and facts of renewable energy Tactic3.1 Develop renewable energy databeses and information management systems Tactic3.2 Publicize information, knowledge and statical data on renewable energy Tactic3.3 Capacity building both in theory and practice to make more ability in utilization of renewable energy Tactic3.4 Development of renewable energy and its related networks and encourage the participation of the whole network both nationally and international level</alternative>	Introduction of Solar PV System on Factory Rooftop (Expected GHG Emission Reductions: 776tCO2/year) Introduction of 0.8MW solar Power System and High Efficiency Refrigerator to Food Factory (Expected GHG Emission Reductions: 349tCO2/year) of Introduction of 3.4 MW rooftop Solar Power System in Technical Center and Office Buildings (Expected GHG Emission Reductions: 1,617tCO2/year) 25 MW Rooftop and Floating solar Power Project in Industrial Park (Expected GHG Emission Reductions: 10,625tCO2/year) Introduction of 27 MW Rooftop Solar Power System to Large Supermarkets (Expected GHG Emission Reductions: 13,293tCO2/year) Introduction of 5MW Floating Solar Power system on Industrial Water Reservior (Expected GHG Emission Reductions: 2,706tCO2/year) Introduction of 21MW Rooftop Solar Power System for Power Supply in Factory (Expected GHG Emission Reductions: 1,533tCO2/year) Introduction of 3.4 MW Rooftop Solar Power System to Air-conditioning parts Factories (Expected GHG Emission Reductions: 1,963tCO2/year)	Introduction of Solar PV System at Shopping Mall in Ho Chi Minh: Viet Nam Introduction of 0.5MW solar Power system to Aroma and Food Ingredients Factory: Indonesia 1.6MW Solar PV Power Plant Project in Jakabaring Sport City: Indonesia Introduction of 20 MW Solar Power System in Darkhan City: Mongolia Installation of 2.1 MW solar power Plant for Power Supply in Ulaanbaatar Suburb: Mongolia Introduction of Ultra-lightweight Solar Panels for Power Generation at International School: Cambodia Upscalling Renewable Energy Sector Project (JFJCM): Mongolia and others	Energy Conservation Promotion Act (2007) AEDP (2015–2036) PDP (2015) EEDP (2015) FIT (2013) Net-Metering Sheme (NMS) (2015)	DEDE	Power gereration capacity 3,016 MW in 2016 (World Bank/Bloomberg) Rooftop 6.01–6.85 BHT/khw Community type 5.66BHT/khv
Solar PV and Storage Battery		<aedp2015> Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.1 Support people and a community to participate in the production an utilization of Renewable Energy Strategy3: Create awareness and access to knowkedge and facts of renewable energy Tactic3.1 Develop renewable energy databases and information management systems Tactic3.2 Publicize information, knowledge and statical data on renewable energy Tactic3.3 Capacity building both in theory and practice to make more ability in utilization of renewable energy Tactic3.4 Development of renewable energy and its related networks and encourage the participation of the whole network both nationally and international level</aedp2015>	of	Installation of Solar Power System and Storage Battery to Commercial Facility: Indonesia Smart Micro-Grid system for Preparing Outer Islands for Sustainable Energy Development Project in Addu atoll: Maldives			
Wind Power	<ndc: energy="" sector=""> Strategy 1.2: To coordinate the policies and plans with the relevant sectors to drive greenhouse gas mitigation through renewable energy development Plan 1.2.1 Wind energy development: To reduce GHG emissions 1.11 MtCO2 by 2030</ndc:>	<aedp2015> Strategy2: Increasing renewable energy production, utilization and market potential Tactics2.1 Support people and a community to participate in the production an utilization Renewable Energy Strategy3: Create awareness and access to knowkedge and facts of renewable energy Tactics3.1 Develop renewable energy databeses and information management systems Tactics3.2 Publicize information, knowledge and statical data on renewable energy Tactics3.3 Capacity building both in theory and practice to make more ability in utilization of renewable energy Tactics3.4 Development of renewable energy and its related networks and encourage the participation of the whole network both nationally and international level</aedp2015>	of	Los Altos II Wind Farm Project: Mexico	Energy Conservation Promotion Act (2007) AEDP (2015–2036) PDP (2015) EEDP (2015) FIT (2014)	DEDE	
Hydro Power	<ndc: energy="" sector=""> Strategy 1.2: To coordinate the policies and plans with the relevant sectors to drive greenhouse gas mitigation through renewable energy development (Plan 1.2.3 Hydro energy development: To reduce GHG emissions 3.19 MtCO2 by 2030)</ndc:>	<aedp2015> Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.1 Support people and a community to participate in the production an utilization of Renewable Energy Strategy3: Create awareness and access to knowkedge and facts of renewable energy Tactic3.1 Develop renewable energy databeses and information management systems Tactic3.2 Publicize information, knowledge and statical data on renewable energy Tactic3.3 Capacity building both in theory and practice to make more ability in utilization of renewable energy Tactic3.4 Development of renewable energy and its related networks and encourage the participation of the whole network both nationally and international level</aedp2015>	of	Rehabilitation Project of Power Generation System at Karai 7 Mini Power Plant: Indonesia 10 MW Mini Hydro Power Plant Project in Lae Ordi River in North Sumatera: Indonesia 10 MW Mini Hydro Power Plant Project in North Sumatra: Indonesia 4 MW Mini Hydro Power Plant Project in Taguibo River in Mindanao: Phillipines 15 MW Mini Hydro Power Plant Project in Siguil River in Mindanao: Phillipines 0.16 MW Micro hydro Power System in Taguibo Water Supply Facility, Mindanao: Phillipines	Energy Conservation Promotion Act (2007) AEDP (2015–2036) PDP (2015) EEDP (2015) FIT (2014)	DEDE	
Biomass Power	<ndc: energy="" sector=""> Strategy 1.2: To coordinate the policies and plans with the relevant sectors to drive greenhouse gas mitigation through renewable energy development Plan 1.2.4 Biomass-to-energy development: To reduce GHG emissions 64.94 MtCO2 by 2030</ndc:>	<aedp2015> Strategy1: preparation of raw materials and renewable energy technologies Tactic1.1 Development of alternative raw materials and potential areas for renewable energy production Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.1 Support people and a community to participate in the production an utilization of Renewable Energy Strategy3: Create awareness and access to knowkedge and facts of renewable energy Tactic3.1 Develop renewable energy databeses and information management systems Tactic3.2 Publicize information, knowledge and statical data on renewable energy Tactic3.3 Capacity building both in theory and practice to make more ability in utilization of renewable energy Tactic3.4 Development of renewable energy and its related networks and encourage the participation of the whole network both nationally and international level</aedp2015>	of Introduction of Biomass Boiler to Cooking Oil Factory (Expected GHG Emission Reductions: 29,759tCO2/year) Introduction of Biomass Co-Generation System to Food Factory (Expected GHG Emission Reductions: 7,111tCO2/year) of	12 MW Biomass Power Plant Project in Ache Province, Sumatera: Indonesia Introduction of Biomass CHP Plant in Flooring Factory: Ethiopia	Energy Conservation Promotion Act (2007) AEDP (2015–2036) PDP (2015) EEDP (2015) FIT (2014)	DEDE	

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	<ul> <li>Office of Nationally</li> </ul>

• Mnistry

 Energy Policy and Planning Office, Ministry of Energy, 2015, "Thailand Power Development Plan 2015–2036 (PDP2015)" •Office of Natural Resources and Environamental Policy and Planning, 2017, "Second Biennial Update Report of Thailand"

•Department of Renewable Energy development and Energy Efficiency, 2015, "Alternative Energy Development Plan: AEDP2015"

•The Renewable and Alternative Energy Development Plan for 25 Percent in 10 Year (AEDP 2012–2021)

•National Greenhouse Gas Mitigation in Energy Sector Action Plan A. D. 2021-2030(Tentative translation)

•NDC in Waste Management Sector Action Plan A. D. 2021-2030(Tentative translation) •NDC in Industrial Process and Waste Water Sector Action Plan A. D. 2021-2030(Tentative transla

## Thailand

ICES:
of Natural Resources and Environamental Policy and Planning, 2015, "Thailand's Intended Ily Determined Contribution"
y of Energy, 2011, "Thailand 20-Year Energy Efficiency Development Plan (2011-2030)"
Delivered Diservice Office Minister of England 2015 "Theilend Development Dise

•NDC in Transportation Sector Action Plan A. D. 2021-2030 (Tentative translation)

Biogas Power	<ndc: energy="" sector=""> Strategy 1.2: To coordinate the policies and plans with the relevant sectors to drive greenhouse gas mitigation through renewable energy development Plan 1.2.5 Biogas-to-energy development: To reduce GHG emissions 3.79 MtCO2 by 2030</ndc:>	<aedp2015> Strategy2: Increasing renewable en Tactic2.1 Support people and a co Renewable Energy Strategy3: Create awareness and a Tactic3.1 Develop renewable ener Tactic3.2 Publicize information, kn Tactic3.3 Capacity building both in renewable energy Tactic3.4 Development of renewal participation of the whole network nationally and international level</aedp2015>
Transmission		<aedp2015> Strategy1: Preparation of raw mate Tactic1.4 Improve infrastructure t appropriately</aedp2015>
Transformer		
Hydrogen System		
CCS		
Urban Infrastructures		
Waste Power	<pre><ndc: energy="" sector=""> Strategy 1.2: To coordinate the policies and plans with the relevant sectors to drive greenhouse gas mitigation through renewable energy development Plan 1.2.6 Waste-to-energy development: To reduce GHG emissions 1.63MtCO2 by 2030</ndc:></pre>	<aedp2015> Strategy1: Preparation of raw mate Tactic1.1 Development of alternat energy production Tactic1.4 Improve infrastructure t appropriately Strategy2: Increasing renewable en Tactic2.3 Promote the reducing of more perfomance</aedp2015>
	<ndc management="" sector="" waste=""> Measure1: Greenhouse Gas Mitigation 3. Incinerating solid waste to generate electricity (Waste to Energy): To reduce GHG emissions 465kt-CO2eq</ndc>	
Energy Saving Water Supply and WasteTreatment Site		<pre><aedp2015> Strategy1: Preparation of raw mate Tactic1.4 Improve infrastructure t appropriately</aedp2015></pre>
LED Street Lighting Communication and Data Center		
Smart-City, IoT and AI Technology		
	<ndc management="" sector="" waste=""> Measure1: Greenhouse Gas Mitigation <ol> <li>Reduction of solid waste before going to the disposal sites: To reduce GHG emissions 404kt-CO2eq</li> </ol></ndc>	
	<ndc management="" sector="" waste=""> Measure2: Encouraging Greenhouse Gas Mitigation <ol> <li>Reduce solid waste and increase management efficinecy</li> <li>I.1.1 Reduce plastic and styrofoam food containers in government places</li> <li>(Plastic waste decreases: -20% by 2021, -30% by 2030 Styrofoam decreases: -100% by 2021)</li> </ol></ndc>	
	1. Reduce solid waste and increase management efficinecy 1.1.2 Reduce plastic and styrofoam food containers in tourist olaces, including national park/geological parks and zoos (Plastic waste decreases: -5% by 2021, -10% by 2025, -20% by 2030 Styrofoam decreases: -100% by 2021)	
	1. Reduce solid waste and increase management efficinecy 1.1.3 Reduce plastic and styrofoam food containers in fresh markets (Plastic waste decreases: -10% by 2021, -20% by 2030 Styrofoam decreases: -50% by 2021, -100% by 2025)	
Solid Waste Recycle	1. Reduce solid waste and increase management efficinecy 1.1.4 Reduce plastic and styrofoam food containers in schools, religious places and residences (Plastic waste decreases: −2.5% by 2025, −5% by 2030)	
	1. Reduce solid waste and increase management efficinecy 1.1.5 Reduce plastic and styrofoam food containers in private sector	
	<ol> <li>Reduce solid waste and increase management efficinecy</li> <li>1.1.6 Develop a database system for plastics</li> <li>(Data on plastic use is available on a yearly basis)</li> </ol>	
	<ol> <li>Reduce solid waste and increase management efficinecy</li> <li>1.2.1 Reduce food rubbish from markets, department stores, and hotels</li> <li>(Food rubbish decreases: -25% by 2025, -50% by 2030)</li> <li>Reduce solid waste and increase management efficinecy</li> </ol>	
	1.2.2 Promotion campaign on reducing organic waste in foodshops, canteens, and residences 1. Reduce solid waste and increase management efficinecy 1.3.1 Promote and encourage the design and use of products and containers for the	
	environment $(D/E)$ to enable easy reuse and recycling, reduce hazardous materials, reduce including hazardous substances in products 2. Increase the reuse of solid waste	
	2.1.1 Separate solid waste at government agencies	
	<ul> <li>2. Increase the reuse of solid waste</li> <li>2.1.2 Separate solid waste in schools, religious places, markets, private business places, and residences</li> <li>2. Increase the reuse of solid waste</li> <li>2.1.3 Develop a solid waste separation method for the recycled data collection system</li> </ul>	

rgy Sector> :To coordinate the policies and plans with the relevant sectors to drive gas mitigation through renewable energy development Biogas-to-energy development: To reduce GHG emissions 3.79 MtCO2 by 2030	<aedp2015> Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.1 Support people and a community to participate in the production an utilization of Renewable Energy Strategy3: Create awareness and access to knowkedge and facts of renewable energy Tactic3.1 Develop renewable energy databeses and information management systems Tactic3.2 Publicize information, knowledge and statical data on renewable energy Tactic3.3 Capacity building both in theory and practice to make more ability in utilization of renewable energy Tactic3.4 Development of renewable energy and its related networks and encourage the participation of the whole network both nationally and international level <aedp2015> Strategy1: Preparation of raw materials and renewable energy technologies Tactic1.4 Improve infrastructure to support the production of renewable energy appropriately</aedp2015></aedp2015>	
rgy Sector> : To coordinate the policies and plans with the relevant sectors to drive gas mitigation through renewable energy development Vaste-to-energy development: To reduce GHG emissions 1.63MtCO2 by 2030	<aedp2015> Strategy1: Preparation of raw materials and renewable energy technologies Tactic1.1 Development of alternative raw materials and potential areas for renewable energy production Tactic1.4 Improve infrastructure to support the production of renewable energy appropriately Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.3 Promote the reducing of productiion costs and make renewable energy market more perfomance</aedp2015>	
te Management Sector> Greenhouse Gas Mitigation Ing solid waste to generate electricity (Waste to Energy): To reduce GHG 05kt-CO2eq		
	<aedp2015> Strategy1: Preparation of raw materials and renewable energy technologies Tactic1.4 Improve infrastructure to support the production of renewable energy appropriately</aedp2015>	
e Management Sector > ireenhouse Gas Mitigation n of solid waste before going to the disposal sites: To reduce GHG emissions		
te Management Sector> ncouraging Greenhouse Gas Mitigation solid waste and increase management efficinecy e plastic and styrofoam food containers in government places ste decreases: -20% by 2021, -30% by 2030 Styrofoam decreases: -100% by		
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colid waste and increase management efficinecy e plastic and styrofoam food containers in fresh markets ste decreases: -10% by 2021, -20% by 2030 Styrofoam decreases: -50% by by 2025)		
e plastic and styrofoam food containers in schools, religious places and ste decreases: -2.5% by 2025, -5% by 2030)		
olid waste and increase management efficinecy e plastic and styrofoam food containers in private sector		
olid waste and increase management efficinecy op a database system for plastics stic use is available on a yearly basis)		
colid waste and increase management efficinecy e food rubbish from markets, department stores, and hotels sh decreases: -25% by 2025, -50% by 2030) colid waste and increase management efficinecy otion campaign on reducing organic waste in foodshops, canteens, and colid waste and increase management efficinecy ote and encourage the design and use of products and containers for the		
the reuse of solid waste		
ate solid waste at government agencies the reuse of solid waste ate solid waste in schools, religious places, markets, private business places,		
the reuse of solid waste op a solid waste separation method for the recycled data collection system		

Introduction of Biogas boiler and Waste Heat Recovery System to Beer Factory: Myanmar	Energy Conservation Promotion Act (2007) AEDP (2015–2036) PDP (2015) EEDP (2015) FIT (2014)	DEDE	
Project for a High Efficiency and Low Loss power transmission and Distribution system: Mongolia Introduction of High Efficiency Transmission Line in south-West area (between Barisal and Gopalqanj)(JFJCM): Bangladesh Introduction of Amorphous High Efficiency Transformers in Southern Power Distribution Systems: Viet Nam Introduction of Amorphous High Efficiency Transformers in Southern and Central Power Grids: Viet Nam	Thailand smart Grid Development Master Plan (2015–2036)	DEDE	
			Ja F Ka
Introduction of Waste to Energy Plant in Yangon City: Myanmar	Energy Conservation Promotion Act (2007) AEDP (2015–2036) PDP (2015) EEDP (2015) FIT (2014)	DEDE	Fo st In tr
	National Solid Waste Management Master Plan (2016–2021) Environmental Quality Management Plan (2017–2021) 20-Year Pollution Management Strategy, Pollution Management Plan (2017–2021) Waste Management Roadmap	DLA DEDE LAO Public Sector	In pı B
Introducution of High Efficiency Water Pumps in Da Nang City: Viet Nam Energy Saving by Introduction of Inverters for Raw Water Intake Pumps: Viet Nam Energy Saving Wastewater Treatment Plant in Battambang: Cambodia (JFJCM)	Waste Management Roadmap	DEDE	Eı ar pr
	National Solid Waste Management Master Plan (2016–2021) Environmental Quality Management Plan (2017–2021) 20-Year Pollution Management Strategy, Pollution Management Plan (2017–2021)	PCD DIW DOH TGO	
		all government agencies OPDC	
		DNP DNR	
		BMA	
	National Solid Waste Management Master Plan (2016–2021) Environmental Quality Management Plan (2017–2021) 20-Year Pollution Management Strategy, Pollution Management Plan (2017–2021) Waste Management Roadmap	FTI Plastics Institute of Thailand PCD DLA BMA OBEC OHEC OPEC	
		BMA BMA	
		Governmental agencies BMA OBEC OHEC DEQP PCD Plastics Institute	

Factory: Myanmar	Energy Conservation Promotion Act (2007) AEDP (2015–2036) PDP (2015) EEDP (2015) FIT (2014)	DEDE	
ibution system: etween Barisal and wer Distribution	Thailand smart Grid Development Master Plan (2015–2036)	DEDE	EGAT Provincial Electricity Authority (PEA)
nd Central Power			Japanese case: Hydrogen town in Kita-kyusyu city Hydrogen Strategy in Kawasaki city
	Energy Conservation Promotion Act (2007) AEDP (2015–2036) PDP (2015) EEDP (2015) FIT (2014)	DEDE	Formulate the environmental standards of waste power Improve profitability by rasising treatment cost
	National Solid Waste Management Master Plan (2016–2021) Environmental Quality Management Plan (2017–2021) 20-Year Pollution Management Strategy, Pollution Management Plan (2017–2021) Waste Management Roadmap	DLA DEDE LAO Public Sector	Implement appropriate risk by public sector on implementing BOT and BOO
Viet Nam FJCM)	Waste Management Roadmap	DEDE	Environmental consideration and spec-in on public procurement
n: Indonesia			Japanese Case: BEMS, CEMS, HEMS in Minato-Mirai, Yokohama city
	National Solid Waste Management Master Plan (2016–2021) Environmental Quality Management Plan (2017–2021) 20-Year Pollution Management Strategy, Pollution Management Plan (2017–2021)	PCD DIW DOH TGO	
		all government agencies OPDC	
		DNP DNR	
		BMA	
	National Salid Wasta Management Master	BMA FTI	
	Plan (2016–2021) Environmental Quality Management Plan (2017–2021) 20-Year Pollution Management Strategy, Pollution Management Plan (2017–2021) Waste Management Roadmap	Plastics Institute of Thailand PCD DLA BMA OBEC OHEC OPEC	
		BMA BMA Governmental agonaica	
		BMA OBEC OHEC DEQP PCD Plastics Institute	

Public Transport Fuel conversion and Electric Vehicles	<ndc sector="" transport=""> Plan1.2.2.2 Develop the mechanism to promote transport mode shifting (Project1.2.2.2-1 Improve the public hybrid bus service in town and out of town Plan 1.1.3.2 Improve the efficiency of public service city buses (Project1.1.3.2-1 Procure 35 electric buses and construct electric charging sta Project1.1.3.2-2 Procure 1,453 hybrid buses Project 1.1.3.2-3 Rent 400 (7years) hybrid buses) Plan 1.2.3.2 Improve the efficiency of public city buses (Project1.2.3.2-1 Replace the air-conditioning system in public vans with 4,626 mini-buses (affiliated buses) Project1.2.3.2-2 Encourage bus, taxi and minibus services to use hybrid syster Bangkok and its vicinity and 6 provincial cities, including Chiang Mai, Khon Kaen, Phitsanulok, Phuket, Nakorn Ratchasima and Project1.2.3.2-3 Replace delivery motorcycles with electric motorcycles in Ban its vicinity and 6 provincial cities, including Chiang Mai, Khon Kaen, Phitsanulok, Phuket, Nakorn Ratchasima and Project1.2.3.2-3 Replace delivery motorcycles with electric motorcycles in Ban its vicinity and 6 provincial cities, including Chiang Mai, Khon Kaen, Phitsanulok, Phuket, Nakorn Ratchasima and</ndc>
CNG	
Electric Vehicles and Motorcycles	<pre><ndc sector="" transport=""> Plan1.1.3.1 Improve energy consumption efficiency by private cars (Project1.1.3.1-1, 2Adjust the execise tax rate based on the amount of CO2 en (reflecting the direct fuel wastage) for cars,   motorcycles Project1.1.3.1-3 Adjust the annual tax rate for cars based on the amount of C emissions(reflecting the direct fuel wasteage rate) Project1.1.3.1-4 Expand use of electric vehicles)</ndc></pre>
Renewable Energy /Energy Efficiency Port (Shore Power Supply, Automatic RTG etc)	<ndc sector="" transport=""> Plan1.1.2.2 Improving the infrastructure to support transport modes by the wate system Plan1.3.2.2 Improve the infrastructure to support transport mode shifting to the trasnport system (Project1.3.2.2-1 Study and manage queuing of vessels at the ports Project1.3.2.2-2 Estabish a one-stop service at Bangkok Port Project 1.3.2.2-3 Develop a database system and logistics data monitoring Plan1.2.3.5 Replace electrical equipment, e.g. light bulbs in the transport system infrastructure Project1.2.3.5-1 Replace with energy-saving LED in all types of ports)</ndc>
Renewable Energy /Energy Efficiency Airport (Shore Power Supply, Airconditioner etc)	<ndc sector="" transport=""> Plan1.1.3.4 Improve the energy consumption efficiency at airports (Project1.1.3.4–1 Construction the 3rd runway and the 4th runway at Suvarnab Airport)</ndc>
Substitution of Ethanol for Gasoline in Transport	<pre><ndc energy="" sector=""> Strategy1.2 To coordinate the policies and plans with the relevant sectors to dr greenhouse gas mitigation through renewable energy development Plan1.2.7 Ethanol fuel development: To reduce GHG emissions 3.74MtCO2 by 2</ndc></pre>
Freight Transport Switch from Road	<pre><ndc sector="" transport=""> Plan 1.1.3.5 Promote logistics' management for energy saving (Project1.1.3.5-1 Promote logistics and transport management (LTM) for energ Project1.1.3.5-2 Research amd development of logistics and transport manage application (LTMA) for energy saving)</ndc></pre>

Transport Sector> 2.2 Develop the mechanism to promote transport mode shifting tt1.2.2.2-1 Improve the public hybrid bus service in town and out of town) 1.3.2 Improve the efficiency of public service city buses tt1.1.3.2-1 Procure 35 electric buses and construct electric charging stations tt1.1.3.2-2 Procure 1,453 hybrid buses tt1.1.3.2-3 Rent 400 (7years) hybrid buses) 2.3.2 Improve the efficiency of public city buses tt1.2.3.2-1 Replace the air-conditioning system in public vans with 4,626 electric ses (affiliated buses) tt1.2.3.2-2 Encourage bus, taxi and minibus services to use hybrid systems in k and its vicinity and 6 provincial cities, ing Chiang Mai, Khon Kaen, Phitsanulok, Phuket, Nakorn Ratchasima and Songkhla tt1.2.3.2-3 Replace delivery motorcycles with electric motorcycles in Bangkok and ity and 6 provincial cities, ing Chiang Mai, Khon Kaen, Phitsanulok, Phuket, Nakorn Ratchasima and Songkhla)	<aedp2015> Strategy1: Preparation of raw materials and renewable energy technologies Tactic1.2 Development of the high efficient renewable raw materials management and utilization model Tactic1.4 Improve infrastructure to support the production of renewable energy appropriately Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.4 Develop the renewable energy law and rules to encourage the development of renewable energy appropriately &lt;20-Year Energy Efficiency Development Plan (2011-2030): EEDP&gt; (2)Strategic Approach: Energy Conservation Promotion and Support 2.2 Transport Secrot: Support the development of infrastructure contributing to traveling and goods transportation with high energy efficiency transport system, e.g. construction of the bus rapid transit (BRT) system, douvle-track railway, etc 2.2 Transport Secro: Exercise Travel Demand Management (TDM) concurrently with promotion of the use of public transport system to reduce travel demand and traveling by private vehicles, e.g. road-pricing (3)Strategic Approach: Pubic Awareness (PA) Creation and Behavioral Change 3.3 Transport Sector: Planning and improvement of land use in support of traveling via public transport systems and non-motorized transport (NMT) (4)Strategic Approach: Promotion of Technology Development and Innovation 4.1 Promote energy-saving equipment demonstration to enhance wide commercial deployment</aedp2015>		Introduction of CNG-Diesel Hybrid Equipment to Public Bus in Semal
Transport Sector> 3.1 Improve energy consumption efficiency by private cars ct1.1.3.1-1, 2Adjust the execise tax rate based on the amount of CO2 emissions ing the direct fuel wastage) for cars, cycles ct1.1.3.1-3 Adjust the annual tax rate for cars based on the amount of CO2 ns(reflecting the direct fuel wasteage rate) ct1.1.3.1-4 Expand use of electric vehicles)	<eedp> (1)Strategic Approach: Mandatory Requirements via Rules, Regulations and Standards 1.1 Transport Sector: Enforce energy efficiency labeling for new vehicles 1.2 Transport Sector: Enforce the minimum fuel economy standard for vehicles (2)Strategic Approach: Energy Conservation Promotion and Support 2.1: Transport Sector: Encourage high energy efficiency labeling for vehicles (3)Strategic Approach: Pubic Awareness (PA) Creation and Behavioral Change 3.1 Carry out PR and campaigns to create awareness and provide training on/information about engine maintenance and eco-driving to enhance safety while reducing pollution 3.2 Introduce tax measures to promote utilization of high energy efficiency and environmentally friendly vehicles, e.g. eco-cars and electric motorcycles 3.3 Transport Sector: Planning and improvement of land use in support of traveling via public transport systems and non-motorized transport (NMT) (4)Strategic Approach: Promotion of Technology Development and Innovation 4.1 Promote R&amp;D on highly energy-efficient equipment technology and change in traveling behavior 4.2 Promote energy-saving equipment demonstration to enhance wide commercial deployment</eedp>		
Transport Sector > .2.2 Improving the infrastructure to support transport modes by the water transport .2.2 Improve the infrastructure to support transport mode shifting to the water extra system .2.2.2 Improve the infrastructure to support transport mode shifting to the water .2.2 Improve the infrastructure to support transport mode shifting to the water .2.2 Improve the infrastructure to support transport mode shifting to the water .2.2 Improve the infrastructure to support transport mode shifting to the water .2.2 Improve the infrastructure to support transport mode shifting to the water .2.2 Improve the infrastructure to support transport mode shifting to the water .2.2 Improve the infrastructure to support transport transport mode shifting to the water .2.2 Improve the infrastructure to support transport transport for the system .2.2 Improve the infrastructure to support transport and logistics data monitoring .3.5 Replace electrical equipment, e.g. light bulbs in the transport system .2.3.5-1 Replace with energy-saving LED in all types of ports)		Introduction of Energy Efficient Equipment to Bangkok Port (Expected GHG Emission Reductions: 5,491tCO2/year)	
Transport Sector> .3.4 Improve the energy consumption efficiency at airports ct1.1.3.4-1 Construction the 3rd runway and the 4th runway at Suvarnabhumi			
Energy Sector> y1.2 To coordinate the policies and plans with the relevant sectors to drive buse gas mitigation through renewable energy development 2.7 Ethanol fuel development: To reduce GHG emissions 3.74MtCO2 by 2030			
Transport Sector> I.3.5 Promote logistics' management for energy saving ct1.1.3.5-1 Promote logistics and transport management (LTM) for energy saving ct1.1.3.5-2 Research amd development of logistics and transport management cion (LTMA) for energy saving)			Modal Shift from Truck to Cargo Ship with Freshness Preservation F Nam

Ansport Sector> Develop the mechanism to promote transport mode shifting 2.2.2-1 Improve the public hybrid bus service in town and out of town) 2 Improve the efficiency of public service city buses 1.3.2-1 Procure 35 electric buses and construct electric charging stations 1.3.2-2 Procure 1,453 hybrid buses .1.3.2-3 Rent 400 (7years) hybrid buses)	<aedp2015> Strategy1: Preparation of raw materials and renewable energy technologies Tactic1.2 Development of the high efficient renewable raw materials management and utilization model Tactic1.4 Improve infrastructure to support the production of renewable energy appropriately Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.4 Develop the renewable energy law and rules to encourage the development of renewable energy appropriately &lt;20-Year Energy Efficiency Development Plan (2011–2030): EEDP&gt; (2)Strategic Approach: Energy Conservation Promotion and Support 2.2 Transport Secrot: Support the development of infrastructure contributing to traveling</aedp2015>			Ministry of Transport's Strategic Action Plan (2017–2021) Transport Infrastructure Development Strategy(2015–2022)	OTP	
<ul> <li><sup>2</sup> Improve the efficiency of public city buses</li> <li><sup>2</sup> 3.2-1 Replace the air-conditioning system in public vans with 4,626 electric (affiliated buses)</li> <li><sup>2</sup> 3.2-2 Encourage bus, taxi and minibus services to use hybrid systems in nd its vicinity and 6 provincial cities,</li> <li><sup>1</sup> Chiang Mai, Khon Kaen, Phitsanulok, Phuket, Nakorn Ratchasima and Songkhla</li> <li><sup>2</sup> 3.2-3 Replace delivery motorcycles with electric motorcycles in Bangkok and and 6 provincial cities,</li> <li><sup>2</sup> Chiang Mai, Khon Kaen, Phitsanulok, Phuket, Nakorn Ratchasima and Songkhla</li> </ul>	<ul> <li>and goods transportation with high energy efficiency transport system, e.g. construction of the bus rapid transit (BRT) system, douvle-track railway, etc</li> <li>2.2 Transport Secor: Exercise Travel Demand Management (TDM) concurrently with promotion of the use of public transport system to reduce travel demand and traveling by private vehicles, e.g. road-pricing</li> <li>(3)Strategic Approach: Pubic Awareness (PA) Creation and Behavioral Change</li> <li>3.3 Transport Sector: Planning and improvement of land use in support of traveling via public transport systems and non-motorized transport (NMT)</li> <li>(4)Strategic Approach: Promotion of Technology Development and Innovation</li> <li>4.1 Promote R&amp;D on highly energy-efficient equipment technology and change in traveling behavior</li> <li>4.2 Promote energy-saving equipment demonstration to enhance wide commercial deployment</li> </ul>			AEDP (2015–2036) PDP (2015) EEDP (2015)	DEDE	Greening new-constructed MRT and BTS
			Introduction of CNG-Diesel Hybrid Equipment to Public Bus in Semarang: Indonesia			
Insport Sector> Improve energy consumption efficiency by private cars 1.3.1-1, 2Adjust the execise tax rate based on the amount of CO2 emissions the direct fuel wastage) for cars, les 1.3.1-3 Adjust the annual tax rate for cars based on the amount of CO2 reflecting the direct fuel wasteage rate) 1.3.1-4 Expand use of electric vehicles)	<eedp> (1)Strategic Approach: Mandatory Requirements via Rules, Regulations and Standards 1.1 Transport Sector: Enforce energy efficiency labeling for new vehicles 1.2 Transport Sector: Enforce the minimum fuel economy standard for vehicles (2)Strategic Approach: Energy Conservation Promotion and Support 2.1: Transport Sector: Encourage high energy efficiency labeling for vehicles (3)Strategic Approach: Pubic Awareness (PA) Creation and Behavioral Change 3.1 Carry out PR and campaigns to create awareness and provide training on/information about engine maintenance and eco-driving to enhance safety while reducing pollution 3.2 Introduce tax measures to promote utilization of high energy efficiency and environmentally friendly vehicles, e.g. eco-cars and electric motorcycles 3.3 Transport Sector: Planning and improvement of land use in support of traveling via public transport systems and non-motorized transport (NMT) (4)Strategic Approach: Promotion of Technology Development and Innovation 4.1 Promote R&amp;D on highly energy-efficient equipment technology and change in traveling behavior 4.2 Promote energy-saving equipment demonstration to enhance wide commercial deployment</eedp>			Ministry of Transport's Strategic Action Plan (2017–2021) HEPS, MEPS (2013) Eco-Car Programme Phase2 (2013) Biodiesel blending mandate (2012) Eco-Sticker (2014)	OTP	Increase covered items on GPP (EV, LEV)
Improving the infrastructure to support transport modes by the water transport Improve the infrastructure to support transport mode shifting to the water system 3.2.2-1 Study and manage queuing of vessels at the ports 3.2.2-2 Estabish a one-stop service at Bangkok Port .3.2.2-3 Develop a database system and logistics data monitoring Replace electrical equipment, e.g. light bulbs in the transport system ure 2.3.5-1 Replace with energy-saving LED in all types of ports)		Introduction of Energy Efficient Equipment to Bangkok Port (Expected GHG Emission Reductions: 5,491tCO2/year)		Transport Infrastructure Development Strategy(2015-2022)	OTP	
ansport Sector> Improve the energy consumption efficiency at airports 1.3.4-1 Construction the 3rd runway and the 4th runway at Suvarnabhumi				Transport Infrastructure Development Strategy(2015-2022)	OTP	
ergy Sector> ? To coordinate the policies and plans with the relevant sectors to drive e gas mitigation through renewable energy development Ethanol fuel development: To reduce GHG emissions 3.74MtCO2 by 2030				AEDP (2015–2036) PDP (2015) EEDP (2015)	DEDE	
Insport Sector> 5 Promote logistics' management for energy saving 1.3.5-1 Promote logistics and transport management (LTM) for energy saving 1.3.5-2 Research amd development of logistics and transport management (LTMA) for energy saving)			Modal Shift from Truck to Cargo Ship with Freshness Preservation Reefer Container: Viet Nam	t Transport Infrastructure Development Strategy(2015-2022)	OTP	
		,	· · · · · · · · · · · · · · · · · · ·	I		

Industrial Infrastructures					
Steel, Aluminum and Cement	<ndc and="" including="" industrial="" process="" product="" sector,="" use="" wastewater=""> 1. Clinker Substitution Measure 1.1 Use of clinker substitute materials in the hydraulic cement production process: To reduce GHG emissions 750ktCO2 by 2030 1.2 Using cement substitution materials in ready-mixed concrete: To reduce GHG emissions 100ktCO2 by 2030</ndc>	<aedp2015> Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.1 Support people and a community to participate in the production an utilization of Renewable Energy <eedp> (1)Strategic Approach: Mandatory Requirements via Rules, Regulations and Standards 1.1 Industrial Sector: Enforce the specific energy consumption (SEC) standards for the production process (2)Strategic Approach: Energy Conservation Promotion and Support 2.1: Industrial Sector: Develop the SEC database and benchmark both domestic and overseas SEC (3)Strategic Approach: Promotion of Technology Development and Innovations 3.1 Industrial Sector: Promote R&amp;D on high energy-efficiency equipment/appliances with large markets and manufacturing bases in Thailand</eedp></aedp2015>	f Introduction of 12 MW Power Generation system by Waste Heat Recovery for Cement Plant (Expected GHG Emission Reductions: 31,180tCO2/year)	Power generation by Waste Heat Recovery in the Tuban Plant of PT Semen Indonesia Indonesia Power Generation by Waste-Heat Recovery in Cement Industry: Indonesia	Energy Energy High En Equipme Persons Manage
Chemical and Pulpe		<aedp2015> Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.1 Support people and a community to participate in the production an utilization of Renewable Energy <eedp> (1)Strategic Approach: Mandatory Requirements via Rules, Regulations and Standards 1.1 Industrial Sector: Enforce the specific energy consumption (SEC) standards for the production process (2)Strategic Approach: Energy Conservation Promotion and Support 2.1: Industrial Sector: Develop the SEC database and benchmark both domestic and overseas SEC (3)Strategic Approach: Promotion of Technology Development and Innovations 3.1 Industrial Sector: Promote R&amp;D on high energy-efficiency equipment/appliances with large markets and manufacturing bases in Thailand</eedp></aedp2015>	f Introduction of High Efficiency Ion Exchange Membrane Electrolyzer in Caustic Soda Production Plant (Expected GHG Emission Reductions: 2,110tCO2/year)	Introduction of High Efficient Old Corrugated Cartons Process at Paper Factory: Indonesi	ia
Factory Co-Generation Factory Energy Efficiency (Chiller, Refrigator, Pump, Process etc)	<ndc energy="" sector=""> Strategy1.1: To coordinate the policies and plans with the relevant sectors to drive greenhouse gas mitigation through energy consumption capacity improvement: To reduce GHG emissions 27.46 MtCO2 by 2030 Plan1.1.1 Energy conservation standard enforcement in controlled factories/buildings: 5.86 MtCO2 - Energy conservation compliance and promotion under the law on factory control - Energy consumption capacity promotion for steam production and utilization systems for controlled factory projects - Energy consumption capacity promotion for air compression systems for controlled factory projects Plan1.1.5 Energy conservation-related action contribution/subsidy - Intence energy efficiency improvement for factories and SME building projects</ndc>	<aedp2015> Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.1 Support people and a community to participate in the production an utilization of Renewable Energy (1)Strategic Approach: Mandatory Requirements via Rules, Regulations and Standards 1.1 Industrial Sector: Enforce the specific energy consumption (SEC) standards for the production process (2)Strategic Approach: Energy Conservation Promotion and Support 2.1: Industrial Sector: Develop the SEC database and benchmark both domestic and overseas SEC (3)Strategic Approach: Promotion of Technology Development and Innovations 3.1 Industrial Sector: Promote R&amp;D on high energy-efficiency equipment/appliances with large markets and manufacturing bases in Thailand</aedp2015>	<pre><factory co-generation=""> Introduction of Co-generation System to Motor Parts Factory (Expected GHG Emission Reductions: 5,940tCO2/year) Installation of Co-generation Plant for On-Site Energy Supply in Motorcycle Factory (Expected GHG Emission Reductions: 7,414tCO2/year) Introduction of Gas Co-generatoin System and Absorption Chiller to Fiber Factory (Expected GHG Emission Reductions: 17,851tCO2/year) </factory></pre> <pre></pre> <pre></pre> <pre></pre> <pre>/ Factory Energy Efficiency &gt; Energy Saving for Air-Conditioning in Tire Manufacturing Factory with High Efficiency Centrifugal Chiller (Expected GHG Emission Reductions: 385tCO2/year) Installation of High Efficiency Air Conditioning System and Chillers in Semiconductor Factory (Expected GHG Emission Reductions: 2,588tCO2/year) Installation of High Efficiency Air Conditioning System to Rubber Belt Plant (Expected GHG Emission Reductions: 2,588tCO2/year) Introduction of High-efficiency Boiler System to Rubber Belt Plant (Expected GHG Emission Reductions: 2,623tCO2/year) Introduction of Heat Recovery Heat Pumps to Food Processing Factory (Expected GHG Emission Reductions: 2,05tCO2/year) Introduction of Energy Efficient Refrigeration system in Industrial Cold Storage (Expected GHG Emission Reductions: 2,25tCO2/year) Introduction of Energy Efficient Refrigerator and Evaporator with Mechamical VaporRecompression in Amino Acid Producing Plant (Expected GHG Emission Reductions: 2,25tCO2/year) Introduction of High Efficiency Chilled Water Supply System in Milk Factory (Expected GHG Emission Reductions: 1,219tCO2/year) Introduction of High Efficiency Chilled Water Supply System in Milk Factory (Expected GHG Emission Reductions: 620tCO2/year) Respected GHG Emission Reductions: 620tCO2/year) Respected GHG Emission Reductions: 620tCO2/year) Introduction of High Efficiency Chilled Water Supply System in Milk Factory (Expected GHG Emission Reductions: 620tCO2/year)</pre>	<factory co-generation=""> Introduction of Gas Co-generation System and Absorption Chiller to Motor Parts Factory Indonesia Installation of Gas Co-generation System for Automobile Manufacturing Plant: Indonesia Installation of High Efficiency&gt; Introduction of High Efficiency&gt; Introduction of Energy-Efficient Air Conditioners in a Lens Factory: Viet Nam Introduction of Energy-Efficient Air Conditioners in a Lens Factory: Viet Nam Introduction of Energy-Efficient Air Conditioners in a Lens Factory: Viet Nam Installation of High Efficiency Kiln in Sanitary Ware Manufacturing Factory: Viet Nam Introduction of Energy Saving Equipment to Automotive Wire Producton Factory: Viet Nam Introduction of High Efficiency Injection Molding Machine to Plastic Parts Factory: Indonesia Energy Saving by Introduction High Efficiency Autoclave to Infusion Manufacturing Factor Indonesia Introduction of Absorption Chiller to Chemical Factory: Indonesia Energy Saving by Introduction High Efficiency Solong at Textile Factory: Indonesia Energy Saving for Air-conditioning and Process Cooling at Textile Factory: Indonesia Introduction of High Efficiency Looms in Weaving Mill: Indonesia Introduction of High Efficiency Once-through Boiler in Golf Ball Factory: Indonesia Introduction of High Efficiency Conce-through Boiler in Golf Ball Factory: Indonesia Energy Saving through Introduction of Regenerative Burners to the Aluminum Holding Furnace of the Automotive Components Manufacturer: Indonesia Energy Saving for Textile Factory Facility Cooling by High-efficiency Centrifugal Chiller: Indonesia Energy Saving Justallation of Double Bundle-type Heat Pump: Indonesia Installation of High Efficiency Centrifugal Chiller for Air Conditioning System in Clothing Tag Factory: Bangladesh</factory>	Energy Energy and Buil High Energy Equipme Persons Manage Energy AEDP (20) EEDP (20)
Commercial Infrastrucures					
Renewable energy/Energy Efficiency Shopping Mall and Office	<ndc energy="" sector=""> Strategy1.1: To coordinate the policies and plans with the relevant sectors to drive greenhouse gas mitigation through energy consumption capacity improvement: To reduce GHG emissions 27.46 MtCO2 by 2030 Plan1.1.1 Energy conservation standard enforcement in controlled factories/buildings: 5.86 MtCO2 - Energy conservation compliance and promotion under the law on controlled private buildings - Energy conservation compliance and promotion under the law on controlled public buildings - Energy consumption capacity promotion for chiller systems for controlled building projects Plan1.1.2 New building construction standard for energy conservation enforcement: 0.66 MtCO2 - Building design coordination center management for energy conservation projects Plan1.1.5 Energy conservation-related action contribution/subsidy - SOP support for SMEs and/or residential projects - SOP support for SMEs and/or residential projects - Intence energy efficiency improvement for factories and SME building projects - Energy saving appliance usage demonstration in public buildings outside the network control project</ndc>	<aedp2015> Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.1 Support people and a community to participate in the production an utilization of Renewable Energy <eedp> (1)Strategic Approach: Mandatory Requirements via Rules, Regulations and Standards 1.1 Large Commercial Building Group: Enforce the Ministrial Regulation on Building Design for Energy Conservation, B.E. 2552 (2009) 1.2 Large Commercial Building Group: Enforce energy efficiency labeling for new govermen buildings (2)Strategic Approach: Support for the development of energy-saving building prototypes 2.1 Large commercial Group: Encourage building energy efficiency labeling (3)Strategic Approach: Support for the development of energy-saving building prototypes 3.1 Large Commercial Group: Support the construction of demonstration buildings to be energy-saving building prototypes (e.g. goverment buildings) (4)Strategic Approach: Human Resources and Institutional Capacity Development 4.1: Large Commercial Group: Build up professionals in building design inspection</eedp></aedp2015>	f Introduction of 30 MW Rooftop Solar Power system to Large Supermarkets (Expected GHG Emission Reductions: 13,293tCO2/year) Introduction of LED Lighting to Sales Stores (Expected GHG Emission Reductions: 2,318tCO2/year) Energy Saving at Convenience Stores with High Efficiency Air-Conditioning and Refrigerated Showcase (Expected GHG Emission Reductions: 4,970tCO2/year)	Introduction of Solar PV System at Shopping Mall in Ho Chi Minh: Viet Nam Low Carbon Hotel Project in Vietnam: Improving the Energy Efficiency of Commercial Buildnigs by Utilization of High Efficiency Equipment: Viet Nam Promotion of Green Hospitals by Improving Efficiency/Environment in National Hospitals in Vietnam: Viet Nam Energy Saving for Air-Conditioning at Shopping Mall with High Efficiency Centrifugal Chille Indonesia Installation of Solar Power System and Storage Battery to Commercial Facility: Indonesia Introduction of LED Lighting to Sales Stores: Indonesia Energy Saving for Air-Conditioning at Shopping Mall with High Efficiency Centrifugal Chille Indonesia Installation of Inverter-type Air Conditioning System, LED Lighting and Separate Type Fridge Freezer Showcase to Grocery Store in Indonesia:	n Energy ( High End Equipme Persons Manager Energy ( AEDP (2 EEDP (2 building
Residential Infrastructures Renewable Energy/Energy Efficiency Smart Meter a	and Home System				
High Efficiency Residential Air Conditioning High Efficiency Residential Refrigator High Efficiency Residential Lighting Solar Water Heater		<aedp2015> Strategy2: Increasing renewable energy production, utilization and market potential Tactic2.1 Support people and a community to participate in the production an utilization of Renewable Energy <eedp> (1)Strategic Approach: Energy Conservation Promotion and Support 1.1 Small Commercial Building &amp; Residential Group: Encourage home energy efficiency labeling, particularly in the housing estate business 1.2 Small Commercial Building &amp; Residential Group: Encourage the use of high energy- efficiency equipment/appliance, e.g. CFL tubes, high efficiency LPG stoves, etc (2)Strategic Approach: Promotion ofTechnology Development and Innovations 2.1 Small Commercial Building &amp; Residential Group: Promote R&amp;D on high energy-efficience equipment/appliance, e.g. LED light bulbs, heat-pump water heaters, etc 2.2 Small Commercial Building &amp; Residential Group: Support the design and construction of demonstration energy-saving homes</eedp></aedp2015>	f у f		Thailand Energy F Energy ( Conditio
Agricultural Infrastructures Rice Cultivation System (Waste Water and Pump) Aquaculture Technical Improvement (Improvement Quality and Power Generation) E-mac				Energy Saving and Work Efficiency Improvement by Introducing a New Chip-On-Board LE System in Vietnam: Viet Nam	ED
Destruction of F-gas			Project on Introduction of Scheme for Fluorocarbons Recovery and Destruction with Utilization of Existing Waste Incineration Plant (Expected GHG Emission Reductions: 12,499tCO2/year)	Development of collection Scheme and Introduction of Dedicated System for Destruction of Used Fluorocarbons: Viet Nam	1
Alternative Device with Low GWP					

Conservation Promotion Act (2007) Industrial Act (2007) nergy Efficiency Standard for ent and Machinery (2009) s Responsible for Energy ement (2009) Management Auditors (2012) 2015)	DEDE	Formulate energy saving benchmark on stell sector Relevant associations: Association of Thail Steel Industry Thai Cement Manufacturers Association
Conservation Promotion Act (2007) Managementin Designed Factories ildings (2009) nergy Efficiency Standard for ent and Machinery (2009) s Responsible for Energy ement (2009) Management Auditors (2012) (2015–2036) 015) 2015)	DEDE	Relevant asspciations: Federation of Thai Industry Thai Chamber of Commerce
Conservation Promotion Act (2007) hergy Efficiency Standard for ent and Machinery (2009) s Responsible for Energy ement (2009) Management Auditors (2012) (2015–2036) 015) 2015) ; Energy Code (2009)	DEDE	Introduce energy saving incentive scheme (Green tax, floor area ratio bonus) Release lease and ESCO on public procurement Improve environmental standard of increasing coverd items on GPP
d Green Label (1994) Efficiency Labeling Program Standards for Room Air oners	EGAT	Strengthen compulsory and voluntary MEPS and HEPS
2015)	DEDE	Improve environmental standard of increasing coverd items on GPP Enhance business incentive of lease and ESCO