

Up-Dated Action plans for EMM8, Sept 2014							
	conditions	Industry	Transport	Commercial & Residential	Power	Education & Awareness	
1	Australia	<p>2012 /Expansion of Energy Efficiency Opportunities (EEO) Program. Under the expansion, new developments and expansion projects which would meet an energy use threshold when operational will be required to assess the site from the initial design concept through to commercial operation. Trials have been undertaken and results show between 5 to 10 cost benefit for typical projects. Regulation framework is being drafted for 1 July 2013.</p> <p>2013- /Industrial equipment currently covered under Australia's Equipment Energy Efficiency (E3) Program include electric motors and power transformers.</p>		<p>Commercial 2006 /Australian Government required that when it leases or refurbishes buildings that a Green Lease schedule be included that requires owner and tenant to operate the building efficiently.</p> <p>2010 /Commercial Building Disclosure (CBD) established by the Building Energy Efficiency Disclosure Act 2010 and is managed by the Australian Government Department of Industry.</p> <p>2011 /Full disclosure obligation for CBD became mandatory on 1 November 2011 for commercial office space of 2000 square metres or more when offered for sale or lease.</p> <p>Commercial Buildings 2006 /Energy efficiency provisions introduced to the Building Code of Australia (BCA) for new buildings. Provisions aim to reduce greenhouse gas emissions from electricity, gas, oil, or other fuels used in buildings energy used by a building's services to operate heating, cooling, ventilation, artificial lighting, and hot water for space heating and sanitary purposes. Can be achieved through insulation, glazing, reducing air leakage, creating internal air movement for cooling, or improving the efficiency of appliances.</p> <p>2010 /Stringency increased in the energy efficiency provisions in the BCA.</p> <p>Appliances 2012 /In the 2011-2012 period the Equipment Energy Efficiency (E3) Program, adopted four new or revised Minimum Energy Performance Standards (MEPS) regulations for split-system air-conditioners, multi-split system air-conditioners, gas water heaters and televisions. From 1 October 2012, the Australian Greenhouse and Energy Minimum Standards Act 2012 (GEMS) came into effect. This legislation expands the E3 Program and replaced 4 state based laws, improving consistency and streamlining E3 processes to the benefit of equipment suppliers. It also allows a more comprehensive and stringent compliance program to be introduced.</p> <p>2013-14 /Different product groups are covered under the GEMS legislation of which 6 carry mandatory labels. Implementation of phase out of inefficient and greenhouse intensive hot water systems in new and existing homes is the responsibility of Australian states and territories. Production of training material and training programs for installers of solar and heat pump technologies is completed.</p>			<p>Fuel Efficiency 2010 /Eco driving trials undertaken in Victoria and SA.</p> <p>2014 /www.greenvehicleguide.gov.au redeveloped to better provide fuel consumption and CO2 emissions data on light vehicles to consumers and therefore encouraging behaviour change by equipping consumers with information encouraging the purchase of more fuel efficient vehicles.</p> <p>Low Income Energy Efficiency Grants 2012 /Low Income Energy Efficiency Grants (LIEEP). \$55m in grants allocated to consortia of community organisations, research institutions and energy efficiency companies.</p> <p>2013 /LIEEP funding agreements finalised with 20 successful grant recipients.</p> <p>2014 /LIEEP Project delivery commenced to assist approximately 25,000 disadvantaged households across Australia, including senior citizens, Indigenous, low income first-time parents, new migrants, young apprentices and people with a disability.</p> <p>Your Home 2000 / Your Home – Cross agency agreement to co-fund the Your Home project. Publication of 1st Edition which comprised a 32 page magazine style guide, a CDROM, the website (www.yourhome.gov.au) and a brochure.</p> <p>2001 / Your Home – 2nd Edition of the Your Home Technical Manual was released</p> <p>2005 /Your Home – 3rd Edition which included the Technical Manual, updated website, Sanctuary Magazine, a DVD and a CDROM.</p> <p>2008 /Your Home – 4th Edition of Technical Manual, a Your Home Buyer's Guide and the Your Home Renovator's Guide.</p> <p>2009 / Your Home – Evaluation of Your Home finding that there is a strong ongoing role for Your Home in Australia.</p> <p>2014 / Your Home –5th Edition of Your Home published and released on the website.</p> <p>Energy Efficiency Education and Resources 2012 /New content, resources and events continue to be added to the Energy Efficiency Exchange website (eex.gov.au), which was targeted at industry.</p> <p>2013 /Facilitating a symposium on sustainability and EE for university engineering academics.</p> <p>2013 /Launching an EE sub-site to disseminate information on EE courses and education resources for the tertiary education sector.</p>
		<p>Cross sector initiative – Industry, Transport, Commercial & Residential and Power 2014 – /Emissions Reduction Fund The Emissions Reduction Fund will provide an incentive to businesses across the economy to reduce emissions by paying for emissions reductions delivered from approved projects. Its aim is to reduce emissions at lowest cost and contribute towards Australia's 2020 emissions reduction target of five per cent below 2000 levels by 2020. The Government has provided \$2.55 billion to establish the Emissions Reduction Fund, which will commence upon repeal of the carbon tax.</p>					

Up-Dated Action plans for EMM8, Sept 2014							
		conditions	Industry	Transport	Commercial & Residential	Power	Education & Awareness
2	Brunei		<p>2010</p> <ul style="list-style-type: none"> /promote energy management /published energy management guide /promote energy audit /promote EE equipment <p>2014-2015</p> <ul style="list-style-type: none"> /Monitoring the energy consumption of big industrial sectors (BSP, BLNG & BMC). /Visiting big industrial sectors to provide consultation and briefing as well as to exchange idea on the reduction of energy consumption. /To introduce Energy Manager to conduct energy audit and prepare recommendations on how to reduce energy costs in industrial sector. 	<p>2010</p> <ul style="list-style-type: none"> /promote energy saving driving skills <p>2014-2015</p> <ul style="list-style-type: none"> /Partnership with the Ministry of Communication to introduce hybrid cars, electric vehicle (EV) and Fuel Efficient Vehicle (FEV). /To produce TV documentary towards the formulation of energy efficient and green vehicle in Brunei Darussalam. /To establish the National Green Technology Policy by emphasizing the transportation sector as it is the highest contributor in terms of carbon emission in Brunei Darussalam. /To set up an Electric Vehicle Task Force (EVTf) lead by the Ministry of Communication and Energy Department, Prime Minister's Office. /To identify the major key industry players serve as the 'service provider' of EVs in Brunei Darussalam in order to support and to achieve government's vision towards the successful implementation of EVs in the country. /To establish coherent and effective incentive models such as import duty and excise duty exemption on EVs and hybrid cars in order to fully encourage more Bruneian to embrace environment-friendly or green vehicles. 	<p>2010</p> <ul style="list-style-type: none"> /promote energy management /promote energy audit /EE 5-star labelling; voluntary basis /regulate operating hours for AC in gov. buildings /promote more EE lighting and other appliances /improve efficiency of street lighting <p>2014-2015</p> <ul style="list-style-type: none"> /To implement the National Appliance Standards & Labeling Regulation in Brunei Darussalam towards the use of energy efficient products. /Monitoring the effectiveness of the new electricity tariff on residential sector which was introduced on 01 January 2012. /Development of Energy Efficiency and Conservation Program in Brunei Darussalam. /Development of the EEC Building Code in collaboration with Ministry of Development. /To undertake a project on the replacement of the existing High Pressure Sodium Vapour (HSPV) street lighting to low wattage and better light intensity lighting. /To expand the EEC awareness raising programme to the government officers and staff, students and rural communities at Mukim & Kampong by delivering talks on energy saving. /To approach selected household for a quick talks on energy saving. /To introduce Energy Manager to conduct energy audit and prepare a coherent recommendations on how to reduce energy costs in commercial & residential sectors. 	<p>2010</p> <ul style="list-style-type: none"> /improve power generation efficiency via combine cycle mode or cogeneration for new power plant <p>2011</p> <ul style="list-style-type: none"> /enhance supply side management to increase efficiency and reduce use of energy; combined cycle, co-generation → efficiency more than 45% <p>2014-2015</p> <ul style="list-style-type: none"> /Improving the overall existing power generation efficiency to greater than 45 percent by replacing simple cycle power plant with more efficient combined-cycle or co-generation plant. /Reducing partial load operation, transmission and distribution losses. /Integration of renewable energy to meet the demands on power in Brunei Darussalam. /Monitoring the reduction of energy consumption in the residential sector after the introduction of new electricity tariff on the 01 January 2012. 	<p>2010</p> <ul style="list-style-type: none"> /introduce energy manager course to the higher education system /establish "Energy Club" in secondary schools /hold continuous awareness campaigns /declared 24th May as Energy Day to inculcate EE&C culture /published energy saving tips (English & Malay) /National EEC Initiative Award Competition <p>2014-2015</p> <ul style="list-style-type: none"> /Collaboration work with the Curriculum Department, Ministry of Education in setting up EEC curriculum in the National Education System. /To continue partnership with STEP Centre, Ministry of Education in enhancing EEC activities and projects in Energy Clubs at secondary schools both on energy saving mechanism and project on renewable energy (solar panel). /Continuously organize the energy expo/exhibition and roadshows, workshops and seminars on capacity building. /Conduct a seminar on energy savings to newly appointed government officers and staff as well as rural communities at Mukim & Kampong level. /To encourage both government agencies and private sectors to participate in the annual ASEAN Energy Award.
3	Cambodia		<p>2010</p> <ul style="list-style-type: none"> /introduce energy efficiency & saving tech. and equipments to designated factories /introduce energy management system to designated factories /development of energy database for designated factories /tech. assistance in energy auditing /program for energy saving plan by medium-large factories <p>2011</p> <ul style="list-style-type: none"> /lighting; improve design, new technology, control, skylights+light wells/shelves /boilers; design, insulation duct, steam trap, heat recovery /refrigeration; setting, controls, duct layout+zoning, new technology, /Compressed air; leak stop program, nozzles, sizing, control /Electric motors; replace with EE motors, variable speed drives, control 	<p>2010</p> <ul style="list-style-type: none"> /develop & promote public transport systems; railways, waterways /study on eco-car project to enhance fuel consumption for automobile /implement alternative fuels foot transport; biofuels, ethanol /improve transport and communication system <p>2011</p> <ul style="list-style-type: none"> /vehicle efficiency; maintenance, testing, regulations, new technology /fuel substitution; biofuels, encourage natural gas, EV+hybrid vehicles /transport system efficiency; public transport systems, trains, non-motorized transport, plan towns/buildings/events 	<p>2010</p> <ul style="list-style-type: none"> /establish standard and labelling for appliances /promote high energy efficiency lighting and cooking stoves /establish building code for new and existing buildings /promote use of indigenous & alternative fuels; solar, wind, biomass, biofuels <p>2011</p> <ul style="list-style-type: none"> -Residential /building design; orientation, natural lighting & ventilation, insulation /cooking; gas utilisation, efficient wood/coal stove /lighting; CFL, task lighting rather than whole space /space cooling; ceiling fans, sealable living & bedrooms /appliances; EE labelling, refrigerator setting and maintenance /street lighting; EE bulbs, timers & sensors -Commercial Buildings /design; orientation, insulation, natural lighting & ventilation, double glazed windows /lighting; design, new tech., automatic control, zoning, /water heating; solar and gas, heat pumps, insulation, heat recovery, setting /AC; setting, controls, duct layout+zoning, new technology. 		<p>2010</p> <ul style="list-style-type: none"> /promote energy efficiency awareness for public /capacity building and training courses for designated factories & buildings on EE&C /introduce Energy Service Company (ESCO) business
4	China		<p>2009</p> <ul style="list-style-type: none"> /adjustment of industry structure 		<p>2009</p> <ul style="list-style-type: none"> /energy efficiency improvement 		<p>2009</p> <ul style="list-style-type: none"> /promote social awareness on 'green consumption'
5	India		Not submitted				
6	Indonesia		<p>2009</p> <ul style="list-style-type: none"> /mandatory energy audit and energy manager /energy management system /subsector specific benchmark: 2.17t-CO₂/t-cement (2025BAU) => 1.09 11.58t-CO₂/t-steel (2025BAU) => 9.56 	<p>2009</p> <ul style="list-style-type: none"> /introduce EE vehicles /encourage public transportation /promote the utilization of gas and biofuel for public transportation /encourage eco-driving /promote bike to work 	<p>2009</p> <ul style="list-style-type: none"> Household /conduct public advertisement of EE&C /promote energy saving lamp, compact fluorescent lamp and appliances /promote standard and labelling system; household appliances /switch utilization kerosene to LPG for cooking activity Commercial /introduce high efficiency equipment for lamps, AC etc. /Energy Management system 	<p>2009</p> <ul style="list-style-type: none"> /EE&C seminar/WS, Energy Award for efficient buildings /capacity building, partnership program on energy conservation 	

Up-Dated Action plans for EMM8, Sept 2014							
		conditions	Industry	Transport	Commercial & Residential	Power	Education & Awareness
7	JAPAN		<p>2009 /encourage SME for fine-tuned energy management system /introduce the most advanced technologies</p> <p>2010 /use common EE benchmarks for EEC law; iron & steel, cement, power generation sector</p> <p>2011 /summer electricity demand reduction by 15% for large customers; coordinating shift of operations and running schedules, staggering holidays and days off /summer electricity demand reduction by 15% for small customers; planning the voluntary restraint measures, Standard format for saving electricity action plan, website to register goals of consumers</p> <p>2012 /nationwide transmission and SETSUDEN action for electricity supply shortage in peak time. /"electricity supply shortage alarm" will be announced</p> <p>2013 /concrete SETSUDEN menus are introduced to promote further SETSUDEN action</p>	<p>2009 /improve continuously fuel efficiency of conventional vehicles /introduce next generation vehicles such as hybrid and EV</p> <p>2010 /expand energy management system; truck business</p>	<p>2009 /promote highly insulated houses and buildings /replace all CRT TVs to more efficient display type /encourage efficient lighting equipment</p> <p>2010 /expand energy management system; large customers, retail chain stores restaurant chains /eco-point system; a kind of subsidies for purchase of EE appliances /promote highly insulated houses and buildings; subsidies, eco-point system</p> <p>2011 /summer electricity demand reduction by 15% for households; prevailing basic knowledge of saving electricity and indicating the numerical effect of saving of ACs, refrigerators and room lights through TV, website, posting and brochures /establish website allows each house to set target and measure for saving electricity to promote action</p> <p>2012 /nationwide transmission and SETSUDEN action for electricity supply shortage in peak time. /"electricity supply shortage alarm" will be announced</p> <p>2013 /concrete SETSUDEN menus are introduced to promote further SETSUDEN action</p>	<p>2009 /improve power generation efficiency by some 3%</p>	<p>2009 /national campaign for low carbon society</p> <p>2010 /EEC law; submit annual consumption reports and future plans for EE (large customer)</p>
8	Korea		<p>2009 /voluntary agreement with heavy energy consuming companies /obligatory energy audit for heavy energy consuming workplaces /Energy Saving through Partnerships(ESP) /investment of EE facilities through soft loans and ESCOs</p> <p>2010 /More support on the investment in energy saving by the private sector /Fostering partnership and cooperation for energy saving /Voluntary Agreements(VA) of GHC and energy reduction for large energy-consuming companies /Obligatory Energy Audit for heavy energy consuming workplaces since 2007.1</p> <p>/2012 GHG- Energy Target scheme poilicy has been activated since 2012.1</p>	<p>2009 /average fuel economy standards for newly produced passenger cars /EE labelling /incentives for light duty vehicle and hybrid cars (tax reduction, etc.)</p> <p>2011 /Various policy measures to improve national average fuel economy (average fuel economy for the newly produced passenger cars(12.4km/ℓ → 17km/ℓ by 2012) /Expansion of bus rapid transit(BRT) network and enhancement of intermodal transfer facilities /Light rail transit(LRT) network expansion and more efficient rail freight transfer /Promotion of bicycle riding and construction of bicycle paths and facilities /Hybrid Car tax credit</p> <p>2012 /Energy efficiency rating for Tire /Energy frontier program(similar to Top runner program of Japan) for 4 appliances (TV, refrig, air-conditioner, Washing machine)</p>	<p>2009 Residential /EE labelling /mandatory the Minimum Energy Performance Standards (MEPS) /reduce standby power in electronic devices (Standby Korea 2010) /certification of high efficient products and partially rebate on specified models</p> <p>Building /EE ratings for newly constructed apartments /diffusion of small scale CHP and district heating /energy saving guidance in public institutions</p> <p>2011 /Promotion of district heating and cooling /Reinforcing regulations and incentives for the energy efficiency of houses and buildings /VA on energy saving with large energy consuming buildings (Voluntary Agreement Incentive) /building energy efficiency rating for newly constructed apartment and office buildings</p> <p>2012 /The law for fostering green building construction enacted since 2012.2</p> <p>2013 /Certification of energy consumption for building(2013.1)</p>		<p>2011 /Green Government Buildings by various energy saving systems /Promotion of energy saving by implementing Regional Energy Programs</p> <p>/2012 Green school program to enhance the energy efficiency on school building</p>
9	Lao PDR		<p>2010 /promote introduction of equipment and facilities with high energy conservation capacity</p>	<p>2010 /improve fuel efficiency of passenger car and promote car battery /promote using new cars</p>	<p>2010 /labelling systems for buildings and appliances /develop demand side management programs /control the quality of electric appliances</p>	<p>2010 /promote new tech. of the energy management system /promote sustainable renewable energy application in electricity generation</p>	<p>2010 /introduce Energy Service Company (ESCO) business</p>

Up-Dated Action plans for EMM8, Sept 2014							
		conditions	Industry	Transport	Commercial & Residential	Power	Education & Awareness
10	Malaysia		<p>2009 /EE equipment list; fans, motors, chillers, transformers, air-compressors /Malaysian Industries EE Improvement Programme; 51 companies audited /fiscal incentives to promote efficient use of energy /Efficient Management of Electrical Energy Regulations 2008 /reporting, energy audits, measures to reduce electricity consumption</p> <p>2011 /Sustainability Achieved Via Energy efficiency rebate programme(SAVE): rebated are given to encourage the purchase of energy efficient equipments to initiate market development of energy efficient appliances (Anticipated savings -> 127.3GWh)</p> <p>2012-2013 /Mandatory implementation of Malaysian Standard on Minimum Energy Performance Standard (MEPS) for 5 electrical appliances; Refrigerator, Air Conditioner, Television, Fans and Lighting. /Energy Service Companies (ESCO) are incorporated to ensure successful implementation on energy efficiency improvement projects based on the Energy Performance Contracting (EPC) concept.</p>		<p>2009 /Low Energy Building; Office for M. of Energy, Water and Communications /Zero Energy Building; Malaysian Energy Centre /Code of Practice on the use of REN Energy and EE in non-residential Buildings (MS1525) /labelling</p> <p>2011 /Sustainability Achieved Via Energy efficiency rebate programme(SAVE): rebated are given to encourage the purchase of energy efficient equipments to initiate market development of energy efficient appliances (Anticipated savings -> 127.3GWh)</p> <p>2012-2013 /Establishment of Malaysian Standard on Minimum Energy Performance Standard (MEPS) for 5 electrical appliances; Refrigerator, Air Conditioner, Television, Fans and Lighting.</p>	<p>2012-2013 /Promote the use of sustainable renewable energy in electricity generation. /Promote new technology and energy efficient equipment in electricity generation such as supercritical boiler to enhance efficiency in coal-based generation and the use of gas turbine (H-class) CGGT with higher efficiency. /Promote co-generation for electricity generation. /Improvement and reduction of system losses in the transmission and distribution system. /Initiatives In Electricity Pricing To Promote Conservation- • Thermal Energy Storage Tariff • Sunday Tariff Discount • Off-peak Tariff Discount • Co-generation Standby Rate Reduction</p>	<p>2009 /training programmes for teachers and students /activities to promote and create awareness on EE and REN /A Guide to EE at Home(2008) /TV commercial on energy saving tips</p>
11	Myanmar		<p>2009 /develop energy statistics /introduce EE equipment and facilities /develop the goals of voluntary action plans /labelling system for appliances</p> <p>2013 /encourage to renovate EE machinery and equipment in industry</p> <p>2014 /Keep on develop of Decree on thrifty and efficient use of energy /Submit Myanmar Energy Managements Standard(ISO50001) to Standard Council and get approval /Cooperate with international organization to implement suitable projects on EE&C</p>	<p>2009 /improve fuel efficiency /substitute with renewable energy (biofuels) and natural gas /energy savings through exploiting efficient trans. Networks including road, waterway, rail, air and sea</p> <p>2013/2014 /apply tax and incentive program on importtion vehicles to improve fuel efficiency vehicles usage</p>	<p>2009 /labelling systems for buildings and appliances /develop the demand side management /thorough management of energy and other resources /encourage the use of alternative energy and EE improvements in buildings /promote the use of EE appliances and equipment</p>	<p>2014 /improve power generation efficiency /build new power transmission infrastructure to reduce in electricity losses</p>	<p>2013/2014 /Energy Management Handbook has been translated to Mother language and published /Energy Efficiency and Conservation seminar/workshop /Energy Management Training /encourage to compete Energy Awards for all sectors</p>
12	NZ		<p>2010 /promote energy management, APs and audits providing grants for audits /encourage new and under-used EE tech. projects /develop wood fuel industry /minimum energy performance standards</p> <p>2011 /loans scheme for upgrades to public facilities /audit for increasing the efficiency of compressed air systems</p> <p>2014 / Initiative to support increased energy efficiency of meat and dairy heat plant (due to start 1 July 2014) / Establishment of a regional renewable heat hub (in Southland) (due to start 1 July 2014)</p>	<p>2009 /more efficient transport modes /improve the efficiency of the transport fleet /develop and adopt renewable fuels</p> <p>2010 /vehicle fuel economy labelling /public transport service and infrastructure funding /safe & efficient fuel efficient driving programme /support for school and business travel plans /integrated land use and transport planning /road tax relief for electric vehicles /excise tax relief for ethanol blended petrol /grants for biodiesel production (COMPLETED)</p> <p>2012 /heavy vehicle fuel efficiency programme</p> <p>2014 / Extension to the heavy vehicle fuel efficiency programme to small and medium sized fleets (due to start July 2014) / Promotion of fuel efficient tyres (due to start in October 2014)</p>	<p>2009 /better home insulation /clean heating (COMPLETED) /home energy ratings (voluntary)</p> <p>2010, 2011 /building energy ratings scheme (voluntary) (superseded by NABERSNZ) /expand Minimum Energy Performance Standards (MEPS) and labels; motors, pumps, fans, chillers /Energy Star endorsement label /grants for retrofitting insulation and installation of clean heating (COMPLETED) /additional grants for clean heaters in areas of poor air quality(COMPLETED) /grants for installation of efficient hot water systems (COMPLETED)</p> <p>2013 / Investment on a new three year home Insulation programme / Commercial building rating scheme(NABERSNZ)</p>	<p>2010 /90% of electricity to be generated by renewable energy sources by 2025 /remove unnecessary barriers to investment in large-scale renewable electricity generation, building on recent changes to streamline and simplify consenting process under the Resource Management Act. /investigate and remove unnecessary barriers to deployment of smaller scale distributed electricity generation and to the modernisation of electricity networks /foster deployment of new renewable sources; marine, solar sources of energy (COMPLETED) /monitor industry rollout of smart meter, smart network, smart appliance tech. to promote consumer choice and a more efficient electricity system</p>	<p>2010 /Energy Wise information campaign for consumers /EECA awards; celebrate excellence in innovation in energy efficiency and renewable energy, held every two years, the lastest one on 28 May 2014 /Energy Wise Rally; four day car rally to demonstrate efficient vehicles and driving techniques (COMPLETED) /Energy Spot Campaign; utilize TV and other media /undertake regular research into public attitudes and behaviour in relation to energy efficiency, and stakeholder research /publication of updated data sets and tool</p> <p>2013 / Key sponsorship of TV programme - Mitre 10 Dream Home (features two families renovating/building their 'dream home') that features energy efficiency products and messages. (COMPLETED)</p>

Up-Dated Action plans for EMM8, Sept 2014							
		conditions	Industry	Transport	Commercial & Residential	Power	Education & Awareness
13	Philippines		<p>2009</p> <ul style="list-style-type: none"> /Expand standards and labelling program to include fans and blowers /Partnership and Voluntary agreements focusing EE <p>2010</p> <ul style="list-style-type: none"> /development of super ESCO /ESCO Accreditation by DOE /Development and application of Energy Management Standard Manual in the industrial sector /Conduct of Policy study on the training/capacity development and accreditation of Energy Manager and Energy Auditor in the industrial sector /Conduct of Seminar Workshop on EE&C opportunities in Industry /Conduct of annual recognition award on energy efficiency – specifically, the Don Emilio Abello Energy Efficiency Award /Conduct of Energy Audits. /Conduct of energy consumption monitoring for the establishment of sectoral energy consumption indices/benchmarks /Technical assistance in the implementation of Industrial Energy Efficiency Project for the Philippines on Industry System Optimization 	<p>2009</p> <ul style="list-style-type: none"> /Promote fuel economy run <p>2010</p> <ul style="list-style-type: none"> /Conduct of Seminar workshop on fuel conservation and efficiency in the road transport Sector /Conduct of Fuel Economy Run. /Development of Energy Efficiency labelling program for road transport vehicles. /Implementation of the Biofuels Act of 2006 (RA 9367) mandating blending of biofuels in petroleum products sold in the country. /Implementation of the pilot phase of the Natural Gas Vehicle Program for Public Transport (NGVPPT). 	<p>2009</p> <ul style="list-style-type: none"> /Expand standards and labelling program to include lamps and ballasts /Policy study and development of legal framework for residential buildings <p>2010</p> <ul style="list-style-type: none"> /Conduct of Seminar workshop on EE&C opportunities in the Commercial and Residential Sectors. /Implementation of Philippine Energy Efficiency Project (PEEP) : Residential Lighting Initiative (promotion of CFLs and LED lighting technologies) Component /Conduct of Policy study on the training / capacity development and accreditation of Energy Manager and Energy Auditor in the Commercial building sector. /Conduct of annual recognition award on energy efficiency – specifically, the Don Emilio Abello Energy Efficiency Award. /Conduct of Energy Audits in the Commercial building sector. /Conduct of energy consumption monitoring for the establishment of sectoral energy consumption indices / benchmarks. 1. Implementation of PEEP Project Components: Lighting Retrofit of Government Office Building, and Public Street Lighting Retrofit. 	<p>2009</p> <ul style="list-style-type: none"> /Manage power plant EE performance improvement audit /Manage system loss reduction in transmission and distribution 	<p>2010</p> <ul style="list-style-type: none"> /Implementation of Executive Order 110, 126 on Government Energy Management Program (GEMP). /Development of EE&C legal policy framework: Energy Conservation bill for passage into law in the 15th Philippine Congress. /energy Manager and Energy Auditor Capacity building and Accreditation System Development /Technical assistance for the development of National Energy Consumption Database Monitoring System.
14	Singapore		<p>2009</p> <ul style="list-style-type: none"> /encourage companies to invest in energy efficient equipment /co-fund energy audits, design workshop and training /utilize green procurements by the government to deploy EE goods /Innovation for Environmental Sustainability(IES) to provide seed funding for industry-led projects including energy efficiency projects <p>2010</p> <ul style="list-style-type: none"> /Energy Efficiency National Partnership (EENP) learning network where companies can share their efficiency ideas /EENP recognition scheme where companies will be recognized for introducing excellent energy management practices and demonstrated tangible results. /EENP high-level committee on EE partnerships, comprising industry reps, experts and policy makers to spreadhead the EE partnership and EE awards <p>2013</p> <ul style="list-style-type: none"> /Appointment of energy managers and submission of report on consumption, and EE plan, as required by the Energy Conservation Law, for energy intensive users. <p>2014</p> <ul style="list-style-type: none"> /Large energy consumers (54TJ of energy used per calendar year) under the Energy Conservation Act (ECA) will be required to submit energy use report and energy efficiency improvement plan 	<p>2010</p> <ul style="list-style-type: none"> /mandatory fuel economy labelling scheme; passenger cars and light goods vehicles; hybrid-electric, electric <p>2011</p> <ul style="list-style-type: none"> /increase public transport model share; expand rail network, enhance integration of public transport system, extend priority for buses, integrated ticketing system, public transport fare, public transport service information /managing road usage; Vehicle Quota System to control the vehicle growth rate, Electronic Road Pricing based on the pay-as-you-use, Off-Pear Car scheme to offer incentives to use car during off-peak period, Park & Ride scheme, Intelligent Transport System /green vehicle rebate; rebate on a vehicle's additional registration fee /green mark for rapid transit system; promote sustainable and environmentally friendly RTS design <p>2013</p> <ul style="list-style-type: none"> /Carbon Emission-based Vehicle Scheme(CEVS); replaced the Green Vehicle Rebate scheme and encourages the adoption of cars with better fuel economy and lower carbon emissions, with incentives and penalties. 	<p>2009</p> <ul style="list-style-type: none"> /energy audits of government office buildings <p>2010</p> <ul style="list-style-type: none"> /BCA Green Mark scheme; to evaluate a building for its environmental impact and performance /Building & Construction Authority (BCA) Green Mark Incentive Schemes to encourage private developers and building owners to design construct and operate /Envelope Thermal Transfer Value (ETTV) to provide an accurate measure of the thermal performance of building envelope /Energy Smart Building Labelling Programme to promote energy efficiency and conservation practices; office, hotel buildings, retail malls /Mandatory Energy Labelling Scheme to empower consumers to make informed choices about the energy efficiency of household appliances; ACs, refrigerators, clothes dryers /Electricity Vending System (EVS) to empower small consumers, such as households, to make conscious decisions to track and potentially reduce their electricity usage using smart meters <p>2011</p> <ul style="list-style-type: none"> /building control regulations; minimum environmental sustainability standard for buildings and the administrative requirement /voluntary agreement to promote EE appliances in households to increase the market share of EE appliances <p>2013</p> <ul style="list-style-type: none"> /Amendment to BCA's Green Mark Scheme: Achievement of minimum Green Mark standard, carrying out three-yearly audits and submission of building information. /Minimum Energy Performance Standards (MEPS) for energy intensive home appliances. /EE mobile applications, to empower people to practice EE habits. 	<p>2010</p> <ul style="list-style-type: none"> /Liberalisation of the power generation sector to achieve greater efficiency and innovation, with full competition. <p>2013</p> <ul style="list-style-type: none"> /Demand response services pilot project launched to encourage consumers to participate in Interruptible Load (IL) Scheme <p>2014</p> <ul style="list-style-type: none"> /The Energy Industry Programme Office (EIPO) announced research grants amounting to \$11 million to support innovations for the power generation sector on 6 June 2014. 	<p>2009</p> <ul style="list-style-type: none"> /Singapore Certified Energy Manager(SCEM) programme and supporting training grant to build up energy management capability <p>2010</p> <ul style="list-style-type: none"> /training and certification schemes for green building specialists /10% energy challenge awareness campaign to reduce household electricity consumption by at least from 2007 to 2012; retailer and suppliers <p>2014</p> <ul style="list-style-type: none"> /A new pilot will enable consumers with e-billing accounts to compare their electricity consumption against the average consumption of their neighbours; and through such comparisons, reduce their electricity usage over time. They could compare their electricity consumption in the last 6 months against the national average consumption and the average consumption of their neighbours living in similar housing types.
15	Thailand		<p>2010</p> <ul style="list-style-type: none"> /energy management in large factories /funding and tax incentives <p>2011-2014</p> <ul style="list-style-type: none"> /Regulations on Energy Management /Soft Load Program (Revolving Fund) /Co-investment Program (ESCO Fund) /Tax Incentive Program /Direct Subsidies Program 	<p>2010</p> <ul style="list-style-type: none"> /efficient mode; dual track system, comprehensive train system throughout the country /promote public transportation; subway, Sky-train, bus system, park-n-ride /promote alternative energy; biofuel, gasohol, tax privilege /encourage carpool <p>2011-2014</p> <ul style="list-style-type: none"> /Master Plan on Transportation Infrastructure /ban Benzzyne 91 /Improvement of public transportation including buses and trains /Awareness Raising Programs /Promote EE Logistic(Rail & Mass Transit) 	<p>2010</p> <ul style="list-style-type: none"> /energy management in buildings and Building Energy Codes /labelling for household appliances; AC, refrigerator, rice cooker, water heater, etc /energy labels for buildings and houses /high efficiency and minimum efficiency performance standards /promotion of high energy efficiency lighting; demonstration at market places, temples, etc. /funding and tax incentives <p>2011-2014</p> <ul style="list-style-type: none"> /Building Energy Codes /Implement HEPS,MEPS.Labeling /Promotion of Green Building /Promotion of Low Carbon City Development /EE Standards for household electric appliances 	<p>2011-2014</p> <ul style="list-style-type: none"> /Reengineering existing power plant /TOU rates /Demand side Management /Smart Grid Pilot Projects 	<p>2010</p> <ul style="list-style-type: none"> /basic advanced training for energy managers /software simulation to practical and on-the-job training /EE curriculum in vocational schools and universities /Thailand Energy Awards, Thailand Energy Fair /youth programs; green classroom, energy camp /TV campaign, brochures, web-site /energy conservation demonstration houses <p>2011-2014</p> <ul style="list-style-type: none"> /Energy Literacy /Thailand Energy Awards /Training for Person Responsible for Energy /Increase in capacity building /TV and Radio campaign for energy conservation /Promoting school activities for energy efficiency and renewable energy
16	Vietnam		<p>2009</p> <ul style="list-style-type: none"> /Provide technical assistance to domestic manufacturers for EE /Assist manufacturers to improve production lines for better EE 	<p>2009</p> <ul style="list-style-type: none"> /Exploit capacity of means of transportation minimizing consumption 	<p>2009</p> <ul style="list-style-type: none"> /EE Commercial Building Code 40/2005/QD-BXD to reduce energy loss of commercial buildings /Public Buildings: saving at least 10% of electricity consumption /Construct pilot energy efficient buildings /develop standards and energy-saving label /government offices will save at least 10% of yearly consumption 	<p>2009</p> <ul style="list-style-type: none"> /Electricity Law(July, 2005) specifies efficiency in generation, and T&D. /encourage electricity efficiency in generation, transmission, distribution and end-user 	<p>2009</p> <ul style="list-style-type: none"> /Awareness rising and capacity building at government, public and private /Electricity saving campaign