

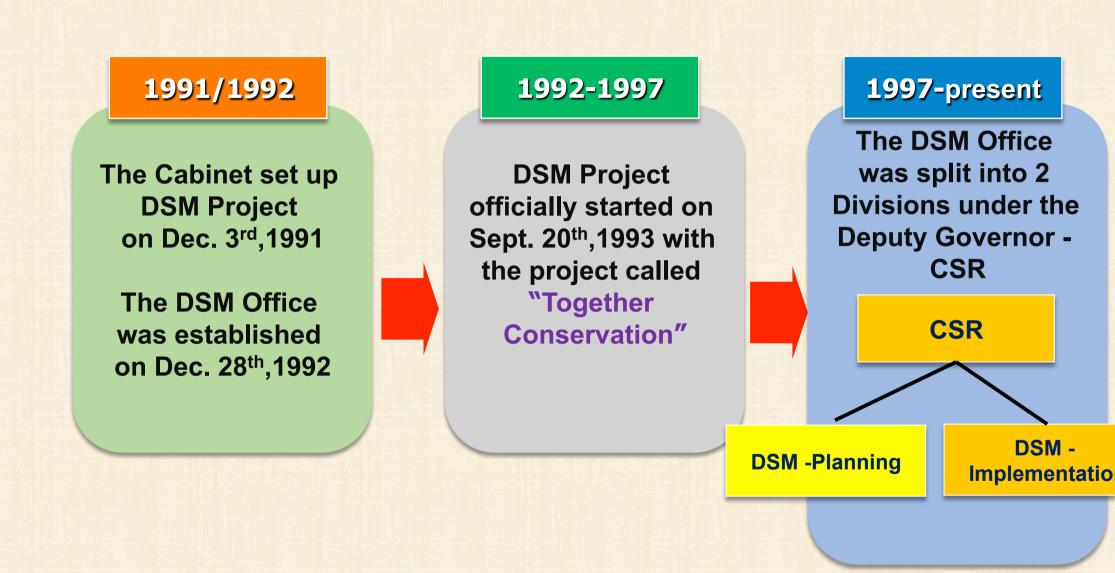


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Electricity Generating Authority of Thaila

EGAT's Demand Side Management: Energy Efficiency Programs



EGAT's Demand Side Management: Energy Efficiency Programs



















A1



Energy Efficient Appliances

- 1. Refrigerator (1994)
- 2. Air conditioner (1995)
- 3. Compact Fluorescent Lamp (1996)
- 4. Electromagnetic Ballast (1998)
- 5. Electric Fan (2001)
- 6. Automatic Rice Cooker (2003)
- 7. Lighting Luminare (2003)
- 8. T5 (2009)
- 9. Electronic Ballast (2009)
- 10. Double-oscillating Fan (2009)
- 11. -12. Standby 1 Watt- TV & Monitor (2010)
- **13.** T5 Luminare (2010)
- 14. Electric Thermal Pot (2011)
- 15. Ventilation Fan (2012)
- **16.** Water Heater (2012)
- **17.** Electric Iron (2012)
- 18. Washing Machine (2012)
- 19. T5 Retrofit Set (2013)
- 20. LED MR 16 (2013) LED – T8, Par (2014)
- 21. Freezer (2014)
- 22. Microwave Oven (2014)
- 23. Induction Cooker (2014)
- 24. Electric Pan (2015)
- **25.** Electric Oven (2015)
- 26. Electric Water Pump (2015)





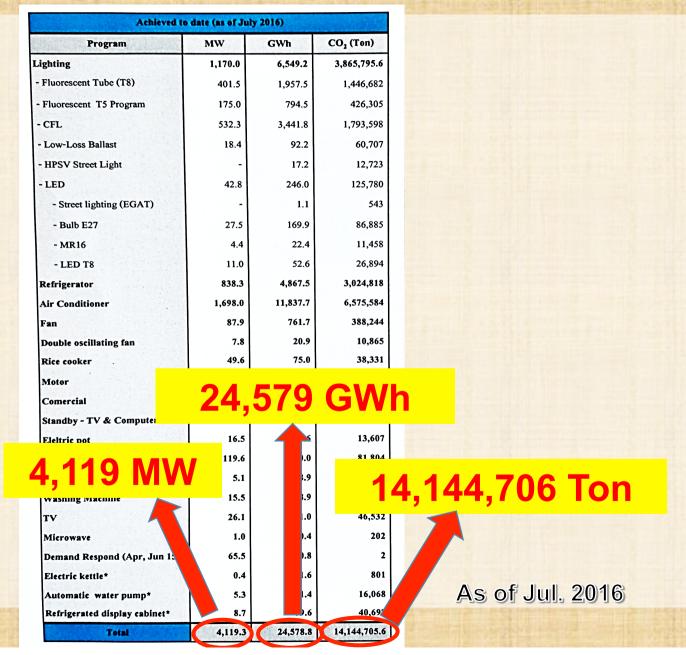








Results of Energy Efficiency Labelling Program



A 2 Energy Efficient Architecture

Energy audit & load management

en Buildings (1995) Providing energy audit, consulting, allation services of energy efficiency measure and financial rice for commercial buildings and factories

ak-cut Project (1997) Encouraging large consumers (such as ustrial factories) to use their existing standby generators during ak hours, on request by EGAT's system control. Participants eived compensation for increasing fuel and associated cost.

CO Pilot Project (1999) Initiate the ESCO system in Thailand, by supervising, porting and providing supports in terms of financial sources, ESCO & customers tching, stakeholders management (as Super ESCO) to stimulate the ESCO siness taking place in Thailand

Energy Efficient Architecture

GAT Head Office



Award Winning



ASA green building awards by the Association of Siamese Architects Under Royal Patronage.



Thailand energy awards 2009 for excellence in energy conservation of innovative building (new and existing building) by the Department of Alternative Energy Development and Efficiency, Ministry of Energy.



ASEAN energy awards 2009 for energy efficient building competition(new and existing building) by ASEAN Center for Energy (ACE).



The Emerson Cup 2009 for honorary prize: innovation of human comfort by Emerson Climate Technologies.

A3 Energy Efficient Attitudes

Attitude creation program

Green Learning Rooms:

ucating energy efficiency awareness for students (414 schools in 76 provinces) influencing more than 2 million students.

Upgrade to 'Green Schools' for both energy & environment conservation: EGAT has supported schools to achieve efficient and environmental-friendly energy use and waste management. 112 Green Schools are certified between 2009-2015.

Educate and initiate Carbon Footprint's calculation and reduction measures to schools' staff and certify **45 Low Carbon Green School** in 2014









New ways for Energy Efficiency Labelling

Energy Efficiency Labelling for Communities

Energy Efficiency Labelling for Communities



Energy Efficiency Labelling for Buildings

Energy Efficiency Labelling for Buildings







Energy Efficiency Labelling for Buildings

2016 - Plan

- Literature Review
- SWOT Analysis
- Set Strategic for Buildings' Labelling
- Risk Analysis
- Set Draft for Building Labelling Criteria
- Set Pilot Buildings for MV&E
- •Report to Top Managements to Approve for the Implementation.

Thank you