

Thailand New Energy Efficiency Policies

Department of Alternative
Energy Development and
Efficiency (DEDE)

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 Department of Alternative
Energy Development and Efficiency
MINISTRY OF ENERGY



 กระทรวงพลังงาน
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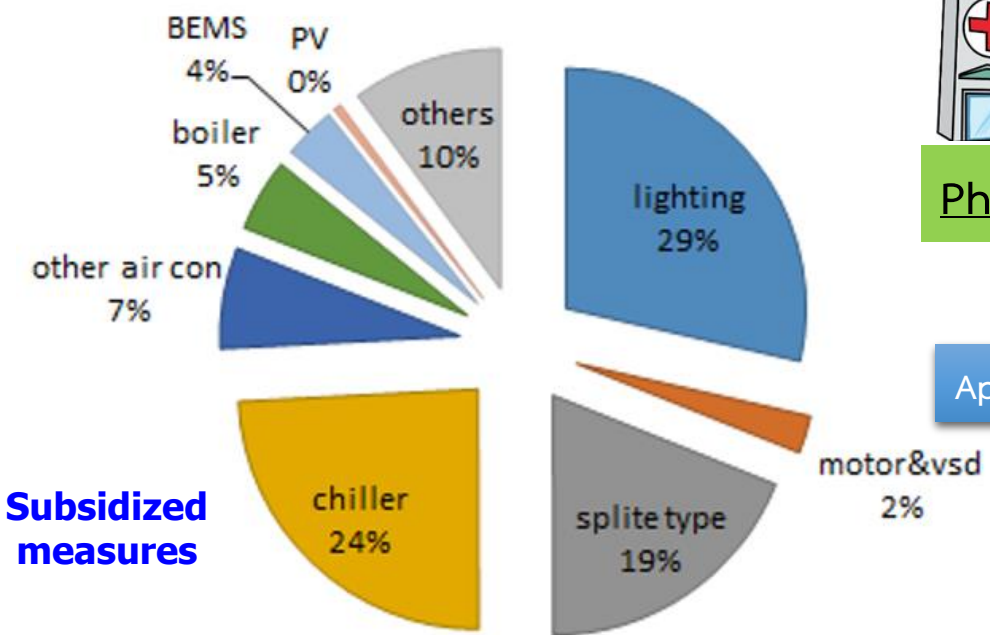
Matching Fund

- Subsidize (up to 70% of total cost - no more than \$2m) government hospital for replacing equipment (high efficiency)
- Consulting fee < 5% no more than \$0.15m

Subsidy for replacing equipment in government hospital

Phase1 (2016) -> \$21.3m

Apply: 138 Hospitals	→	Approved: 71 hospitals
- Total Investment \$58.3m		- Total Investment \$28.7m
- Subsidized investment \$41.2m		- Subsidized investment \$21.3m
- Energy saving 160 GWh (\$18.2m)		- Energy saving 97 GWh (\$12m)



Status : Application approved and contract signed: awaiting procurement process

Phase2 (2017): \$22m - Same criteria





To promote energy efficient housing designs for housing developers and consumers

Individual House		Housing Development Projects
Detached housing	Townhouse	
1. Small - smaller than 200 m ²	1. Small - smaller than 120 m ²	1. small – less than 100 units
2. Medium – between 200 – 300 m ²	2. Large - larger than 120 m ²	2. medium – 100 – 299 units
3. Large – larger than 200m ²		3. large -> more than 299 units

- 2 types of awards – for individual house and housing development projects, each with sub-categories
- Decision made based on documents submitted and on-site visit

Criteria for individual house

Mandatory criteria:

Criteria	Values
▪ Roof thermal transfer value (RTTV)	$\leq 10 \text{ W/m}^2$
▪ Ratio of utilization of high-efficiency lighting	$\geq 90 \%$

Consideration criteria:

No.	Criteria	Type	
		Individual house	Townhouse or self-built
1	Environmental	20	8*
2	Architectural	40	40
3	Engineering	40	40
Total		100	88

1. Environmental

- Landscape architecture
- Layout

2. Architectural

- Materials used for buildings

3. Engineering

- Air-conditioning, lighting, RE, etc.

Criteria for housing development projects

Mandatory criteria:

At least 30% of all houses must pass the criteria dictated for houses

Consideration criteria:

No.	Criteria	Score
1	Location	10
2	Environmental management	40
3	Project Management	50
	Total	100

1. Location i.e. distance to public transportation
2. Environmental management i.e. ratio of green spaces
3. Project management i.e. waste management system



Type	applicants	awarded
Individual House		
1. Small detached housing	46	11
2. Medium detached housing	26	7
3. Large detached housing	12	2
4. Small townhouse	8	-
5. Large townhouse	4	-
Housing development project		
1. Small	4	2
2. Medium	11	-
3. Large	3	-
Total	114	22