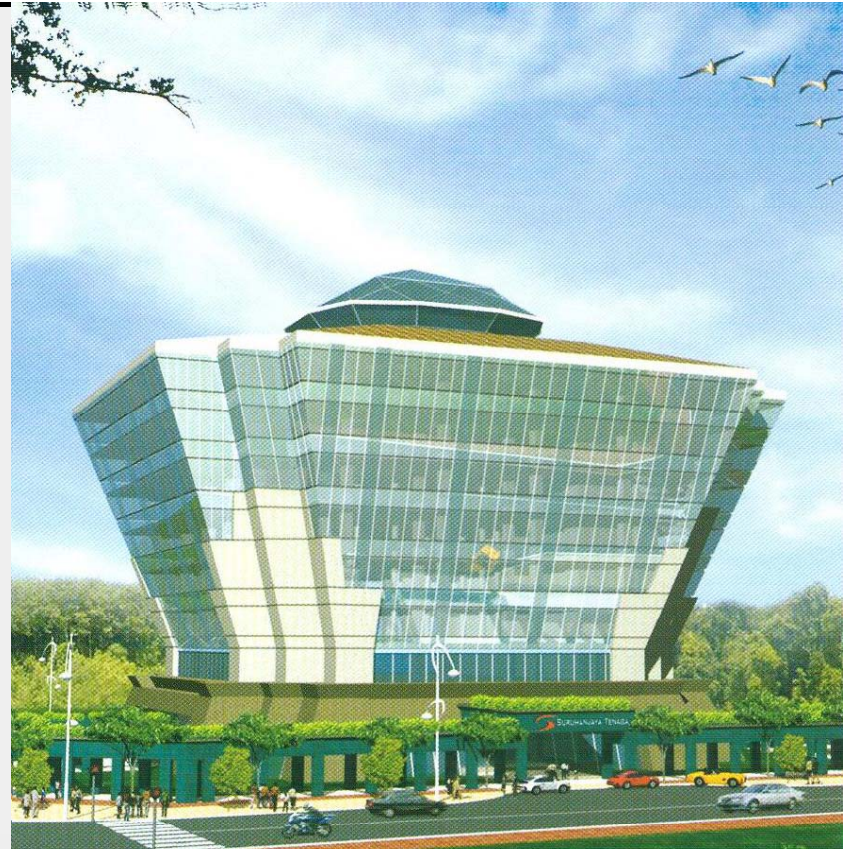


Ensuring Energy Sustainability - Energy Efficiency

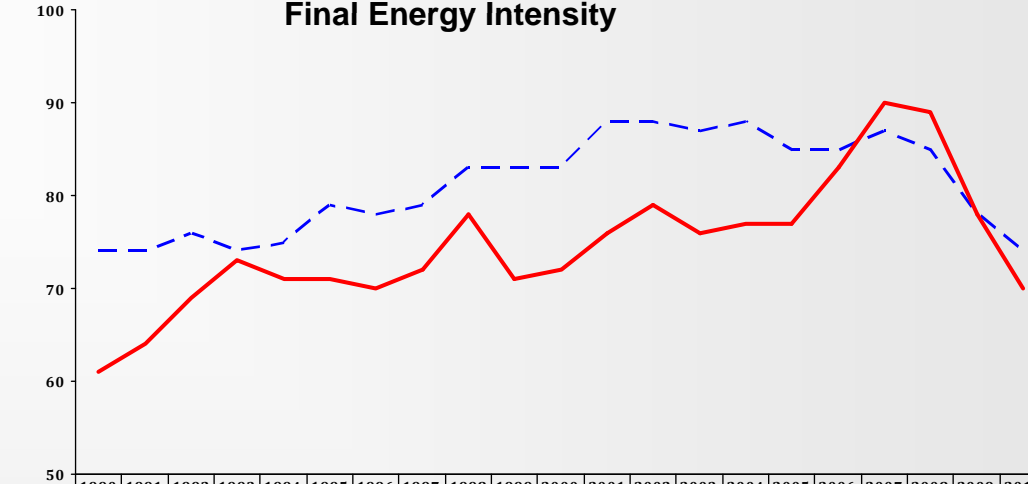


4th National Energy Forum
27 September 2012

Energy Indicators

toe/RM million
(at 2000 Prices)

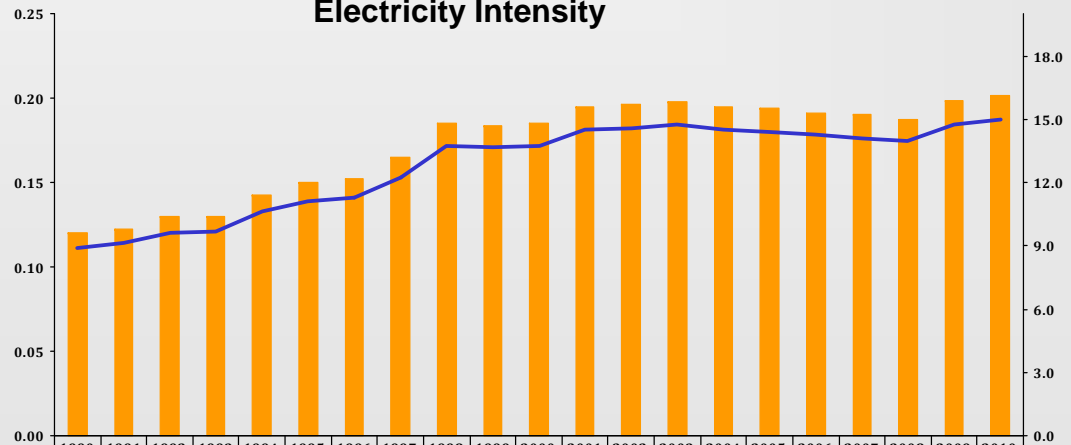
Final Energy Intensity



	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Final Energy Intensity*	74	74	76	74	75	79	78	79	83	83	83	88	88	87	88	85	85	87	85	78	74
Industrial Energy Intensity**	61	64	69	73	71	71	70	72	78	71	72	76	79	76	77	77	83	90	89	78	70

GWh/RM million
(at 2000 prices)

Electricity Intensity



	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
toe/GDP**	9.6	9.8	10.4	10.4	11.4	12.0	12.2	13.2	14.8	14.7	14.8	15.6	15.7	15.8	15.6	15.5	15.3	15.2	15.0	15.9	16.1
GWh/GDP*	0.111	0.114	0.120	0.121	0.133	0.139	0.141	0.153	0.172	0.171	0.172	0.181	0.182	0.184	0.181	0.180	0.178	0.176	0.175	0.184	0.187



EE Initiatives in Malaysia

By Government:

- Five Fuel Policy
- Fiscal Incentives
- Regulations
- EE Rating & Labeling
- Demonstration Projects
- Demand Side Management
- Research and Development
- Energy Use Benchmarking
- Efficient Lighting and AC Systems
- Energy Management Systems
- Incorporation of EE in UBBL
- Regional (ASEAN) co-operation

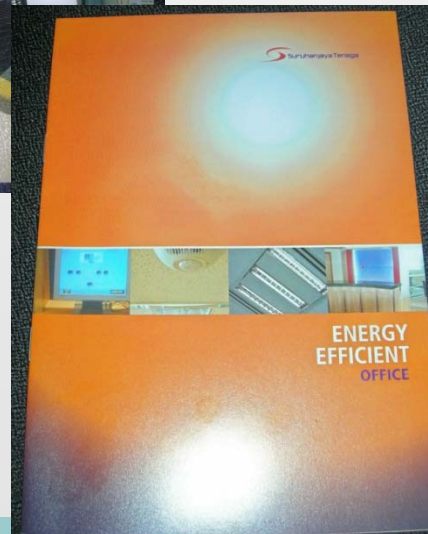
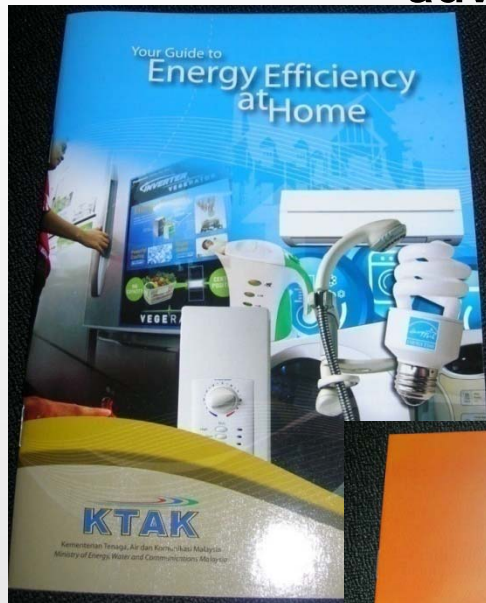
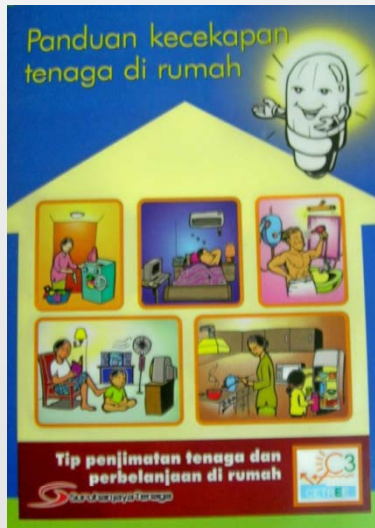
Programmes:

- Malaysian Industrial EE Improvement Project (MIEEIP)
- Development of Energy Services Companies (ESCOs)
- Awareness Programs:
 - newspaper campaign
 - seminars/workshops
 - EE (domestic) Guidebook
- High Efficiency Motors (HEM) Promotion
- EE Rating and Labeling



Awareness Campaigns And Promotional Activities

Printed media: handbooks, brochures, posters, competitions, advertisements



Way Forward

- ❑ **The concerns of the electricity / energy industry:**
 - ✓ **Sustainability**
 - ✓ **Quality**
 - ✓ **Security**
 - ✓ **Environmentally friendly**
 - ✓ **Contributions to climate change**
- ❑ **Industry needs to rise to these challenges**
- ❑ **Formulating National Energy Efficiency Master Plan**
- ❑ **Developing Energy Efficiency and Conservation Act**



THANK YOU

