

Stock take concerning existing measures for improvement of energy efficiency and conservation

Name of country : Brunei Darussalam

1. Legal framework for improvement of energy conservation and energy efficiency

(1) Law

A. Energy Efficiency and Conservation (EE&C) Act (2012)

(2) Regulatory measure

Regulatory measures based on the law

Other regulatory measures

- A. Energy Efficiency Labelling for Air-Conditioners
- B. Optimise the usage of air-conditioning in Governmental buildings
- C. Brunei Darussalam Building Envelope Guidelines (2011)
- D. Fuel-efficiency labelling for vehicles (2011)
- E. Regulate operating hours of decorating lights during festive season

(3) National plan for improvement of energy conservation and energy efficiency

A. Energy Efficiency and Conservation Strategic Plan Draft (2009)

2. Financial measures taken by the government

(1) Tax system

(2) Low-interest loan

(3) Subsidies and budgetary measures

3. Energy prices

4. Others (those efforts that are made by various foreign countries, international organizations, local governments, private sectors, etc. and that have effects to promote energy conservation in one's own country)

- A. Brunei Darussalam Annual Energy Week (Public Awareness Campaign) (2007-)
- B. Brunei Darussalam Annual Energy Efficiency and Conservation Initiative Award (2007-)
- C. International Energy Cooperations
- D. Promoting the use of compact fluorescent lamps (CFL's)
- E. Energy Education
- F. Improvement of power generation thermal efficiency

1.Name of measure

Energy Efficiency and Conservation (EE&C) Act

(Act will tentatively be effective in 2012)

2.Purpose of measure

To enforce the application of Energy Efficiency and Conservation to buildings and industries to ensure reduction in consumption.

3.Outline and applicable sectors (transport, buildings, manufacturing, etc.)

A. All power producers are required to submit an annual report on energy production and energy consumption information, report on medium- and long-term plans for energy conservation improvements.

B. Big buildings and industries with power demand more than 1MVA are required to submit a report on energy consumption information, report on medium- and long-term plans for energy conservation improvements.

C. Energy producers in (A.) and consumers in (B.) are encouraged to engage energy auditors for preparation of the annual reporting.

4.Financial resources and budget allocation of measures

5.Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

6.Results of measures

7.Future tasks

8.Others

9.For further details about measures, please contact:

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1. Name of measure

Energy Efficiency Labelling Scheme for Electrical Appliances and Equipments

(Energy Efficient Label for air-conditioners was introduced on 26 May 2008)

2. Purpose of measure

To provide consumers information on the energy-efficiency of an electrical appliances and equipments, and to encourage consumers to invest in energy-efficient appliances and equipments.

3. Outline and applicable sectors (transport, buildings, manufacturing, etc.)

A. The Scheme is initially introduced for air-conditioner in which its registration is on a voluntary basis (applicable only for non-inverter types and single-phase)

4. Financial resources and budget allocation of measures

5. Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

6. Results of measures

7. Future tasks

To expand the scheme to other types of air-conditioners (inverter and three-phase) and other types of appliances and equipments

8. Others

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1. Name of measure

Optimise the usage of air-conditioning in Governmental buildings

2. Purpose of measure

To reduce the electricity consumption in the Governmental sector

3. Outline and applicable sectors (transport, buildings, manufacturing, etc.)

A. To reduce operating hours of air-conditioners for Government buildings including offices, schools and mosques while maintaining conducive environment
B. To switch off air-conditioners when not in use especially after office hours and public holidays

4. Financial resources and budget allocation of measures

5. Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

6. Results of measures

7. Future tasks

8. Others

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1.Name of measure

Brunei Darussalam Energy Efficient Building Guidelines

(To be introduced in 2011)

2.Purpose of measure

To provide guidelines for new buildings in incorporating energy efficient building envelope elements such as cooling, heating, lighting, ventilating, insulation, site orientation, design as well as energy efficient materials in construction of a building.

3.Outline and applicable sectors (transport, buildings, manufacturing, etc.)

For new buildings

4.Financial resources and budget allocation of measures

5.Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

6.Results of measures

7.Future tasks

8.Others

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1. Name of measure

Fuel-efficiency labelling for vehicles

(Target launching in 2012)

2. Purpose of measure

To provide information to consumers on the fuel-efficiency of passenger vehicle

3. Outline and applicable sectors (transport, buildings, manufacturing, etc.)

For new passenger vehicles dealers

4. Financial resources and budget allocation of measures

5. Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

6. Results of measures

7. Future tasks

8. Others

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1. Name of measure

Regulate operating hours of decorating lights during festive season

(Introduced in July 2008)

2. Purpose of measure

To reduce number of operating hours for decorating lights during festive season (to not exceed midnight)

3. Outline and applicable sectors (transport, buildings, manufacturing, etc.)

For all

4. Financial resources and budget allocation of measures

5. Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

6. Results of measures

7. Future tasks

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1.Name of measure

Energy Efficiency and Conservation Strategic Plan Draft

(Target introduction in 2009)

2.Purpose of measure

To set energy efficiency and conservation direction and targets in all relevant areas together with the mechanisms for these to be realised in order to achieve the APEC-wide regional aspiration goal of a reduction in energy intensity of at least 25% by 2030 (with 2005 as base year) as pledged during the Sydney Declaration in 2007.

3.Outline and applicable sectors (transport, buildings, manufacturing, etc.)

Strategic Plan for short-, medium- and long-term.

4.Financial resources and budget allocation of measures

5.Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

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1.Name of measure

Brunei Darussalam Annual Energy Week (Public Awareness Campaign)

(Started in 2007-)

2.Purpose of measure

To inculcate the value and practice of prudent use of energy through Energy Efficiency and Conservation application as a way of life.

3.Outline and applicable sectors (transport, buildings, manufacturing, etc.)

All relevant stakeholders

4.Financial resources and budget allocation of measures

5.Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

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1. Name of measure

Brunei Darussalam Annual Energy Efficiency and Conservation Initiative Award

(Started in 2007-)

2. Purpose of measure

To encourage in-house Energy Efficiency and Conservation initiatives in the private and public sectors.

3. Outline and applicable sectors (transport, buildings, manufacturing, etc.)

Buildings

4. Financial resources and budget allocation of measures

5. Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

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1. Name of measure

International Energy Cooperations

2. Purpose of measure

To strengthen the cooperation between Brunei and the relevant country(ies) in promoting energy efficiency and conservation measures and to enhance capacity building in energy efficiency and conservation areas.

3. Outline and applicable sectors (transport, buildings, manufacturing, etc.)

A. Promotion of Energy Efficiency and Conservation (PROMEEC) Programmes under purview of ASEAN Centre for Energy (ACE) (2001-)
- Buildings
- Industry
- Energy Management System
- Multi-Country Training Programme on Energy Conservation (MTPEC) for ASEAN countries
B. Energy Cooperation Task Force (ECTF) Programme
- Energy Demand Outlook for EAS Region (2007-2008)
C. Cooperation with Japan
- Capacity building on energy efficiency and conservation for Brunei officials in Japan supported by ECCJ (2008)

4. Financial resources and budget allocation of measures

5. Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

6. Results of measures

7. Future tasks

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1.Name of measure

Promoting the use of a more energy efficient lighthings [Compact fluorescent lamps (CFL's) & Light Emitting Diodes (LEDs)]

2.Purpose of measure

To encourage the use of Compact Fluroscent Lamps and Light Emitting Diodes to the public

3.Outline and applicable sectors (transport, buildings, manufacturing, etc.)

A. A total of 10,000 CFL's were distributed to the public since Energy Week 2007 on 4 September 2007
B. Promotion of measure will be done through awareness program

4.Financial resources and budget allocation of measures

5.Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

6.Results of measures

7.Future tasks

A. Progressively phasing out of incandescent lights for decoration lighthings

8.Others

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1.Name of measure

Energy Education

2.Purpose of measure

To instill the value and prudent use of energy through energy efficiency and conservation application at the young through school.

3.Outline and applicable sectors (transport, buildings, manufacturing, etc.)

- A. Incorporating energy education in curriculum syllabuses.
- B. Incorporating energy in school activities.

4.Financial resources and budget allocation of measures

5.Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

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1.Name of measure

Improvement of power generation thermal efficiencies

2.Purpose of measure

To maximise the economic utilisation of indigenous resources (natural gas)

3.Outline and applicable sectors (transport, buildings, manufacturing, etc.)

For future power plant

4.Financial resources and budget allocation of measures

5.Method to measure effects of measures (reduction in energy consumption and energy cost, etc.)

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