

Expert Group on Energy Efficiency and Conservation

Report on Energy Efficiency and Conservation Priorities Survey Results



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Background to Survey

The APEC Expert Group on Energy Efficiency & Conservation was interested in identifying priorities for its work activities in the future, as well as engaging with a broader group of APEC economies on energy efficiency and conservation issues.



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Survey Design

- Covered priorities, barriers and drivers for Residential, Transport, Business and Public sectors
- Additional questions about APEC-ESIS website, energy data collection and energy efficiency legislation
- Designed with input from EGEE&C contacts



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Responses

- A questionnaire was circulated to economies; responses submitted September to December 2009
- Nine economies responded (no responses from economies who are not regular EGEEC participants)
- ‘Survey Monkey’ service was used to enter, collate and sort survey data



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Summary of Priorities

Sector	Priority Areas
Residential	Lighting Home Electronics Whiteware (fridges, clothes washers, etc.) New Build Homes/ Apartments Building Envelope – Thermal Efficiency Space Heating/ Cooling
Transport	Private Vehicles Alternative Transport Fuel Saving Driver Behaviour
Public Sector	Public Sector Leadership Government Procurement Policies Energy Efficiency Upgrades to Public Buildings.



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Summary of Priorities

Sector	Sub sector	Priority Areas
Business	Commercial Buildings	Lighting Space Heating/Air-Conditioning Office Equipment
	Primary Production	Agriculture
	Industrial	Motors and Drives Industrial Sector Energy Management
	Other	Energy Efficiency in Manufacturing Small and Medium Businesses



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Common drivers to energy efficiency

- Unsurprisingly reducing emissions and reducing costs were the most common drivers across all sectors
- There were a range of secondary drivers, e.g. consumer demand, energy security (esp. for transport) and leadership (in the public sector)



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Common barriers to energy efficiency

- Barriers varied across economies and sectors
- Standards were highlighted as a barrier across a number of areas, incl. space heating & cooling, home electronics, lighting (residential & commercial) and motors & drives



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Energy data collection

- All economies surveyed collect data on energy usage. Most have difficulties in collecting this data, e.g. lack of resources and expertise, high costs, lack of awareness or incentives
- A majority of economies regard collecting energy data as high or very high priority



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Energy data collection

- A third of respondents valued further assistance or advice on collecting data, esp. around:
 - extent of data collection in other economies
 - metering equipment choices
 - data collection software
 - ensuring that data collected is representative and well structured.



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Recommendations

- Consider EGEEC projects in light of the shared priorities identified
- Keep APEC-ESIS website current and accurate
- Encourage participation from economies not currently involved in EGEE&C, to pass on expertise and information, and improve collaboration and harmonisation.



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Possible links with EGEDA

1. EGEDA can support EGEEEC by acquiring & sharing data on the priority areas identified in the survey – strengthen the case for intervention
2. Align EGEDA's 'top down' approach and EGEEEC's 'bottom up' approach – e.g. more extensive disaggregation of sectoral data



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Possible links with EGEDA

3. Explore potential for ESIS to include energy use information associated with either product or economy
4. Help measure progress against the regional aspiration to reduce energy intensity 25% by 2030 (2005 base year)



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Thank You



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