

# Barriers to Energy Efficiency Improvement

**Energy Efficiency Seminar  
24<sup>th</sup> July 2009  
Townsville, Queensland, Australia**

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# Introduction

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Barriers at the Consumer Level

Barriers at the Market Level

Barriers at the Financial Institution Level

Barriers at the Government Level

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# Barrier one

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## Barriers at the Consumer Level

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# Barriers at the Consumer Level

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Even if they understand that they will save money from energy efficiency investments, many energy users will only invest if the financial returns occur in the very short term.

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# Barriers at the Consumer Level

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Energy consumers often have a general understanding of the benefits of energy efficiency investments. But they do not want to go into debt for energy efficiency.

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# Barriers at the Consumer Level

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Energy users often prefer to apply their limited resources and debt capacity to other, higher priorities

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# Barriers at the Consumer Level

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Usually, energy-efficient products are more expensive than the products they are meant to replace. Even where energy users would like to purchase higher efficiency products and would like to borrow to do so, affordable financing is unavailable.

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# Barriers at the Consumer Level

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Lack of information – There are many parties, including energy users, in the energy efficiency equation who often have insufficient information about the costs and benefits of energy efficiency.

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# Barriers at the Consumer Level

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Many energy users do not trust that energy savings will happen from their energy efficiency measures, or at least doubt that the savings will be as large as they feel

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# Barriers at the Consumer Level

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Many energy users do not have a financial incentive to implement energy efficiency measures. This can be due to low energy prices. But even where there are higher prices, users often need an extra financial incentive such as a rebate before they will take action

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# Barriers at the Consumer Level

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When the builder or owner of a home does not pay the energy bills, he/she usually have little financial incentive to make energy efficiency improvements, while the tenants, who pay the bills, do not want to make major energy efficiency investments in property they do not own

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# Barrier two

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## Barriers at the Market Level

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# Barriers at the Market Level

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Manufacturers often do not market more energy-efficient products. In addition, product distributors and retailers often do not have any incentive to stock display energy-efficient products

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# Barriers at the Market Level

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Manufacturers often do not have the know-how to make energy-efficient products.

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# Barriers at the Market Level

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High import tariffs that result in elevated prices for energy-efficient products

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# Barrier three

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## Barriers at the Financial Institution Level

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## Barriers at the Financial Institution Level

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Although investments in energy-efficient products can seem high for consumers, many financial institutions consider them too small

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# Barrier four

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## Barriers at the Government Level

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## Barriers at the Government Level

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Although governments usually understand that rationalized energy prices make economic sense and that price rationalization usually involves removing subsidies, the resulting higher prices are obviously unpopular with consumers. Increasing energy prices is thus politically difficult for politicians and government agencies to do

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## Barriers at the Government Level

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Governments typically have at least a general understanding of the benefits of energy efficiency. But they neither have the capability to design nor the resources to support them.

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## Barriers at the Government Level

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Energy efficiency is often regarded as a low priority, particularly for users whose energy costs are low relative to other costs

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Thank you

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