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# IMPLEMENTINGENERGYEFFICIENCY–LESSONSFORSOUTHAFRICA

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**2011-10-19**
http://hdl.handle.net/10539/10590

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## ***Interview results***

Responded: Name: Ms. Tieho Makgabane

Organisation: Dikepulane Resources Pty Ltd (BEE ESCO)

Position: Managing Director

| | **Category of Strategy** | **Question** | |
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| 1 | Role of Government | • What is the role of Government in implementing energy efficiency?<br>o Political will to enact legislation<br>o Single most important and critical legislative assistance<br>o Prioritisation of budgets and development agenda (poverty)<br>o Is energy efficiency not a luxury, considering we are yet to attain universal and equitable access? | -Legislation<br>-Standards and building codes<br>-Codes of good practice<br>-Government is less concerned about quality of housing and they are concerned more with quantity<br>-There's lack of knowledge – its not that government does not care about EE<br>-Less cost of providing energy – you can have simple interventions<br>-RDP houses could specify EE levels |
| 2 | Institutional infrastructures | • What is the single most important institutional infrastructure creation during the implementation of energy efficiency?<br>o Why<br>o Who funds it<br>o Who runs it | -Technikons and other training institutions<br>-NGO for research and other information dissemination<br>-DSM at Eskom<br>-All companies<br>-DME to have an EE directorate |
| 3 | Energy pricing | • How does the current low electricity pricing affect implementation of energy efficiency?<br>o Role of Eskom monopoly<br>o How can it be corrected | -At household level, pricing a problem. There are externalities in pricing, such as environmental and health costs |
| 4 | Energy efficiency Programs | • Which energy efficiency programs should South Africa choose, to drive energy efficiency<br>o What type<br>o Blanket approach versus targeted interventions<br>o How to enforce<br>o Who manages<br>o Who funds | -Passive solar design for RDP houses is a low to no cost measure<br>-Insulation is a low to mid cost measure<br>-Positioning of windows<br>-Choosing an appropriate energy carrier to meet an energy need – i.e. LPG is suitable for cooking whilst electricity is suitable for lighting.<br>-IDC could provide loans, but in the initial stages to be grant funded from government |

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| | | ○ Who reviews | |
| 5 | Publicity and information dissemination | • How should awareness and information dissemination about energy efficiency be implemented:<br>○ What (medium chosen)<br>○ What (target messages to segmented consumers)<br>○ Who<br>○ Funding<br>○ How critical is it | -Mass communication campaign for the country.<br>-Print, audio, visual, pamphlets, demos, models<br>-Brochures for the middle class. Also TV, billboards and screens<br>-Government support necessary to couple the information campaign with requirements to comply. |
| 6 | Public and private collaboration | • How should PPP be achieved in aid of energy efficiency<br>○ Who leads the effort<br>○ How to deal with huge legacy of disparity between level of affluence of society<br>○ Is it achievable | -PPP are very important. Government needs to do more to develop the market for EE and create the demand |
| 7 | Research, Development, Demonstration and testing | • Who should be responsible for R&D in respect of energy efficiency<br>○ Who to lead and manage<br>○ Who and how to fund<br>○ Independence | -CSIR and Technikons<br>-Research available technologies and develop new local ones. Adapt them to South African environment |
| 8 | Funding | • How should energy efficiency be financed?<br>○ Type of funding (Loans, DFI, Grants, Interest rate schemes, Environmental levies)<br>○ Incentives?<br>○ Tax breaks<br>○ Depreciation allowances<br>○ Import duties<br>○ Research grants | -PPP approaches will have t be considered.<br>-Gov must fund initial kick-start and develop the market<br>-Grant funding in the early stages, gradually replaced by loan funding in the mature stages |
| 9 | Donor support | • What role should donors play in the implementation of energy efficiency<br>○ Capacity building<br>○ Sustainability<br>○ Funding<br>○ Influence on choice of programs<br>○ Comprehensive engagement with donors (manage their interventions carefully) | -Missing link between projects, donors and recipients<br>-Their level of impact through programs is around 60%<br>-They must fund EE in RDP houses<br>-Give people choices through providing them with information |

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| 10 | nd post-implementation evaluation | • What role does post-implementation monitoring and evaluation of projects play?<br>o How<br>o Who<br>o When | -Review and monitor across from start to finnish<br>--Review at intervals during implementation<br>-Review is ongoing and evaluation is once off. |