

DEPARTMENT OF ENERGY



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EEDSM: Objectives

- 1.) Develop targets for demand and energy savings with consideration of forecast shortfalls.
- 2.) Collate and publish a consolidated national view (top down and bottom up) on Energy Efficiency and Demand Side Management activity progress representing at least 80% of National activities.
- 3.) Provide strategic direction informed by the comprehensive overview of activities (current and planned) for an optimal (mix, cost, capacity) National efficiency initiative.
- 4.) Facilitate progress, as and when required, towards the set targets by resolution of barriers/constraints/issues, promotion/facilitation of collaboration (including other workgroups) and engagement and optimisation of efforts (less duplication).

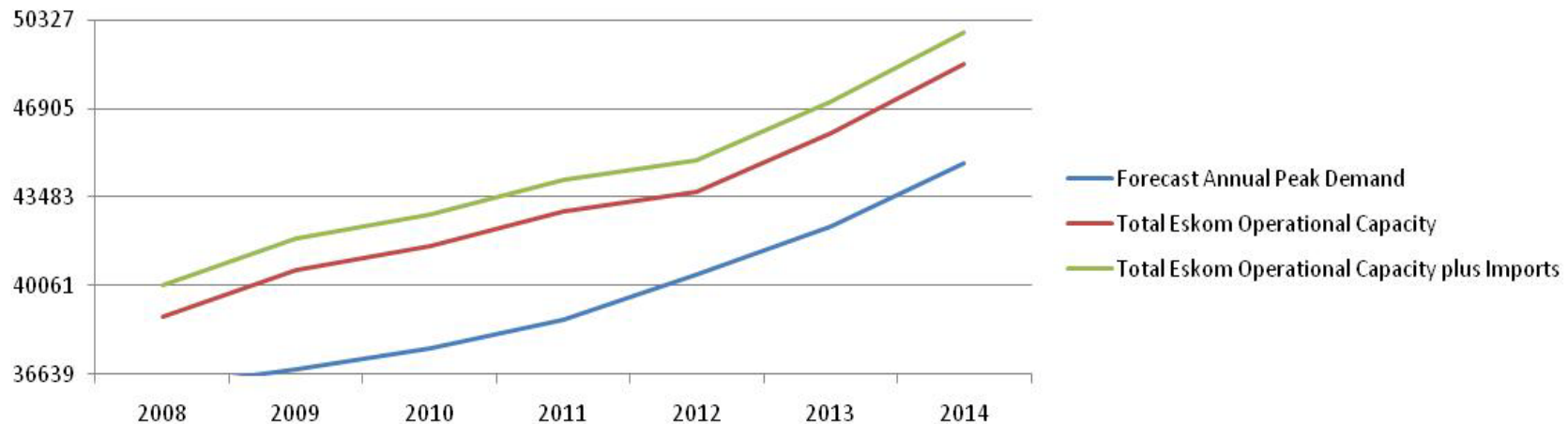


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RSA Demand Growth

Medium-Term Peak Capacity/Demand Forecast



Medium-Term Peak Capacity/Demand Forecast

Year	Forecast Annual Peak Demand	Total Eskom Operational Capacity	Eskom Capacity Margin	Total Eskom Operational Capacity plus Imports	Eskom plus Imports Capacity Margin	DSM and DMP	Eskom plus Imports		Eskom plus Imports plus	
							plus DSM/DMP Capacity Margin	Non-Eskom Generation	DSM/DMP plus Non-Eskom Generation	Capacity Margin
Column1	MW	MW2	%	MW3	%4	MW5	%6	MW7	%8	
2008	36139	38886	7.6	40086	10.9	2720	18.4	0	18.4	
2009	36837	40697	10.5	41897	13.7	2784	21.3	200	21.8	
2010	37673	41632	10.5	42832	13.7	2802	21.1	519	22.5	
2011	38732	42940	10.9	44140	14.0	2820	21.2	519	22.6	
2012	40470	43671	7.9	44871	10.9	2820	17.8	601	19.3	
2013	42362	45942	8.5	47142	11.3	2820	17.9	601	19.4	
2014	44787	48627	8.6	49827	11.3	2820	17.5	601	18.9	

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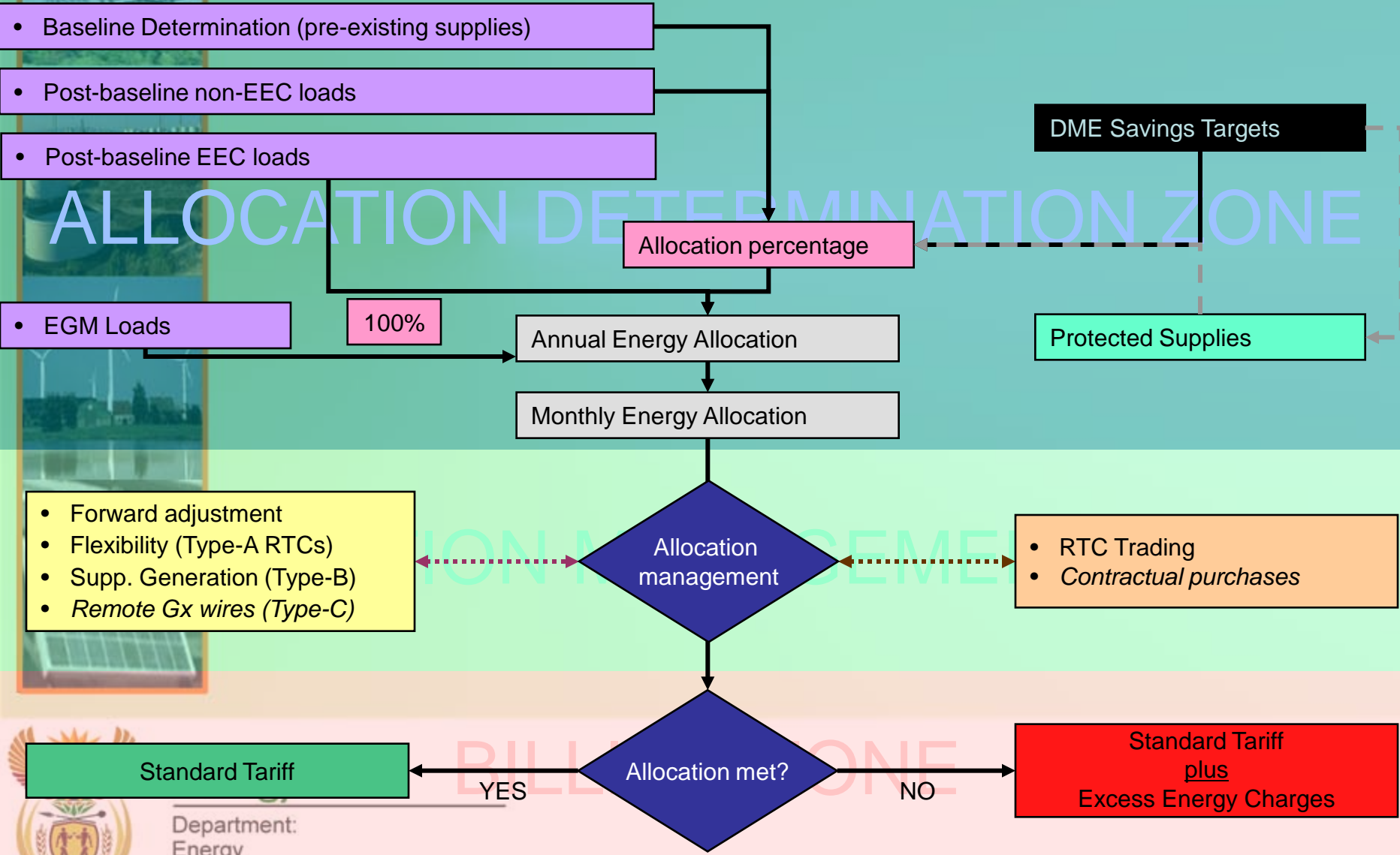


Critical Path

	Q1 2010	Q2 2010	Q3 2010	Q4 2010
Risk Management	Adoption of contingency plan		Implementation of contingency plan	
Independent Generation	Agreement on Funding Cost Recovery Rules Non conflicted Buyer	Conclude PPAs Fast Tracked EIA		First IPP
Energy Efficiency	Finalise Incentive Programmes Standard M&V Methodology	Empowerment of EE Agency Revised EE Strategy	Mass SWH Roll-out EE Incentives Flowing	
Rationing: Demand Market Participation PCP	Conclude Format of Rationing Programme	Agree on Proposal & Negotiations Begin the roll-out		
Integrated Resource Plan	Agreement on Funding Model Generation Mix	Agreement on Future Build Program		



Overview of Energy Conservation Scheme (power conservation for industrial customers)



Overview of other EEDSM initiatives

- Regulation on Norms and Standards for building reticulation – now under DTI building regulations
- Regulation on Deviation from Approved Tariff
- Clarification of NEEA role as repository of initiatives
- Measurement and Verification standards
- Promulgation of Standard Offer for EEDSM savings
- EE Tax Allowance
- Reduction in non-technical electricity losses



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Other EEDSM issues being addressed

- CFL Disposal remains an issue - DWEA need to develop a proposal to address this.
- Tax / Incentives to address incandescent bulbs and ensure long-term viability of CFL roll-out - Treasury to address.
- Multitude of incentives for EE need to be coordinated to allow effective participation.
- Solar Water Heater program localisation etc.



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Other DSM issues being addressed

- Capacity and skills at Local Government a risk to the effective implementation of EE.
- Integrated reporting of all DSM initiatives needs to be implemented to ensure that DSM provides sustainable savings.
- ECS to be reassessed in light of demand increase.



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QUESTIONS



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