ASIA CLEAN ENERGY FORUM 2017 THE FUTURE IS HERE: ACHIEVING UNIVERSAL ACCESS AND CLIMATE TARGETS Manila, Phillippines • 5-8 June 2017

AND DRIVERS OF ENERGY EFFICIENCY



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Apurva Chaturvedi is currently working as Senior Clean Energy Specialist in USAID/India. She has over 12 years of experience in clean energy and climate change sector. She has designed and managed several clean energy programs at USAID. Her area of expertise is program design & management. She is currently leading the energy efficiency (including building efficiency) and smart grids portfolio of USAID's clean energy program in India. She also worked as Project Manager-Climate Change at British Council, India. She has done her Masters in Microbiology and a Post Graduate Diploma in Intellectual Property Rights.



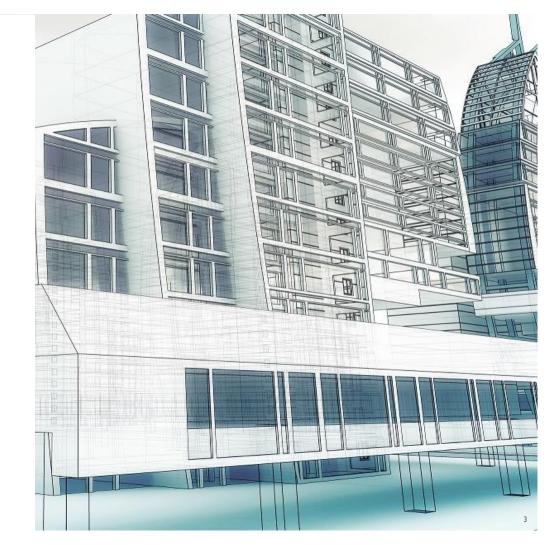


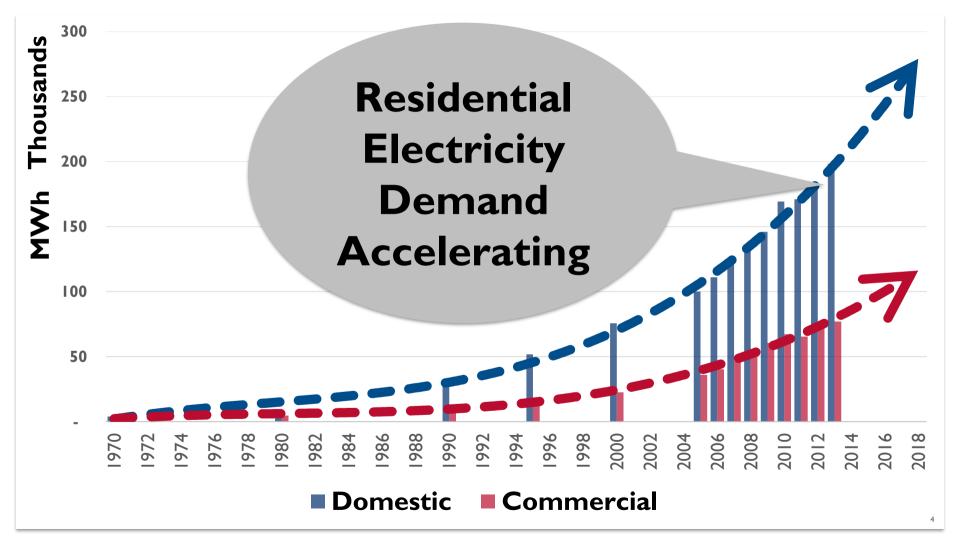
Market Transformation for Super Efficient Air-Conditioners

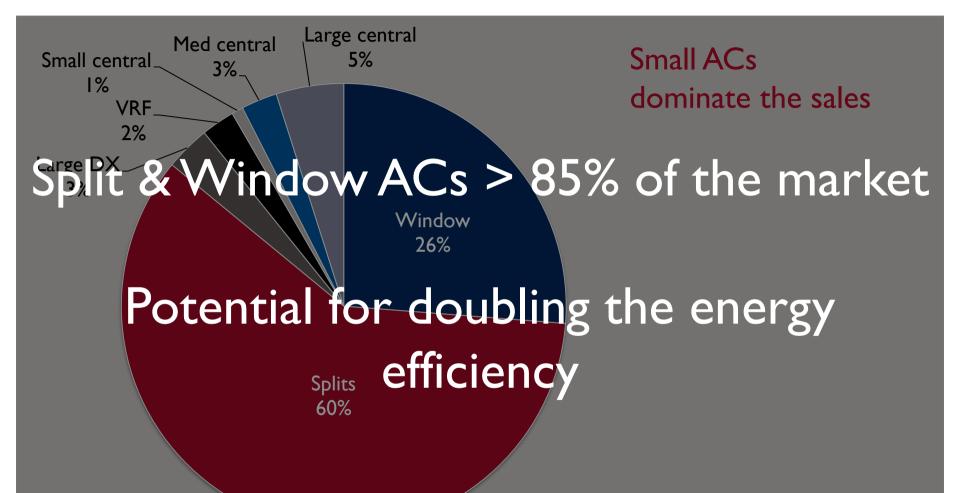
Presented by Apurva Chaturvedi, USAID/India

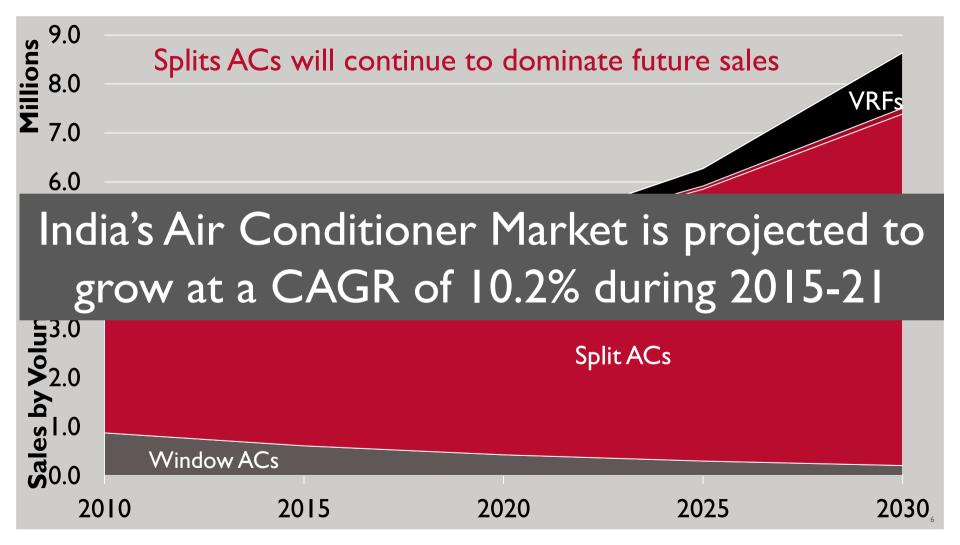
June 7, 2017

Buildings Air-conditioning India's Next **Energy** Challenge









Is there a business case for super-efficient ACs?



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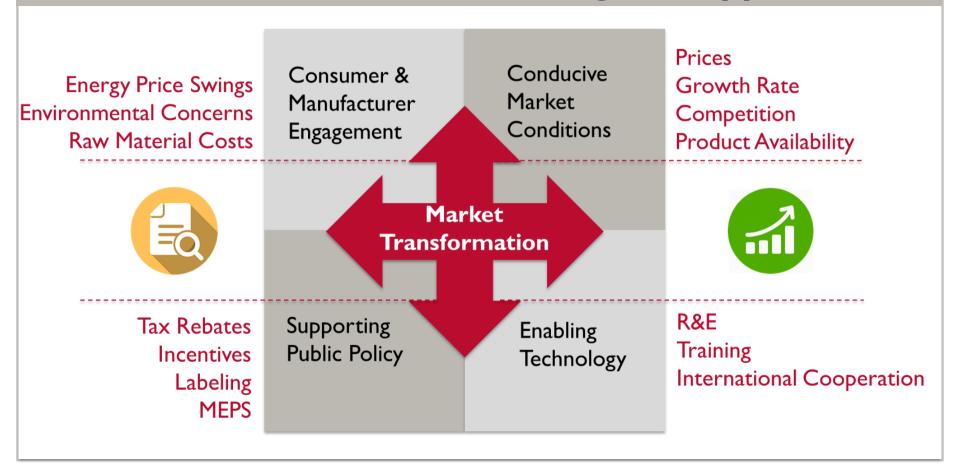






With several fine prints

Market Transformation - Program Approach



Objective: Creating a Large Scale and Lasting Impact



Push the efficiency envelope beyond star-rating



Communicate benefits for the consumers and the industry



Bring the initial cost down for super efficient ACs



Expand the overall market size through energy efficiency











Super Efficient Air-conditioners



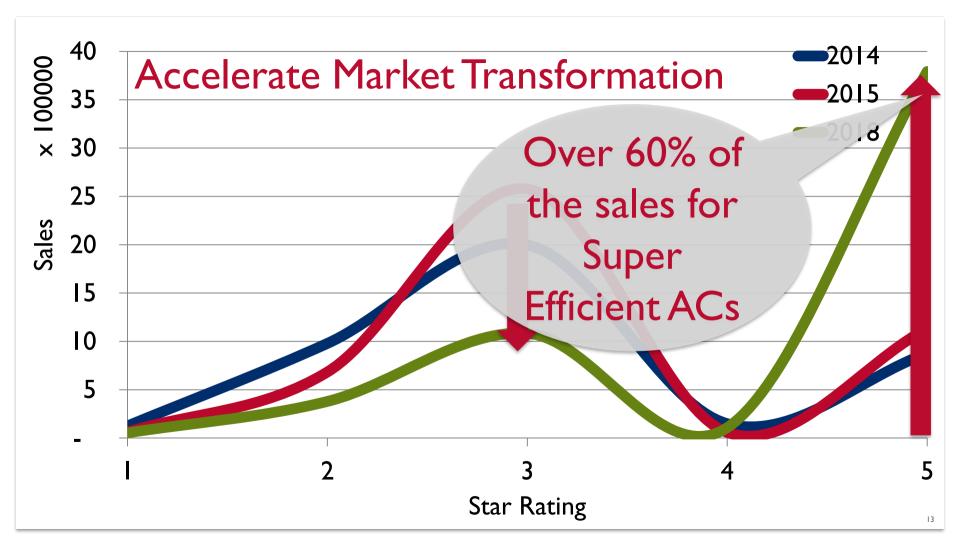
Life Cycle Cost Effective



Quality Installation and Service

Potential Impact





Increasing Average Efficiency of AC Stock (EER)





Potential with Super Efficient AC Program



Business As Usual EER Projection



2014 **3 1**

Potential Impact



Energy Savings of over 60% for the consumers

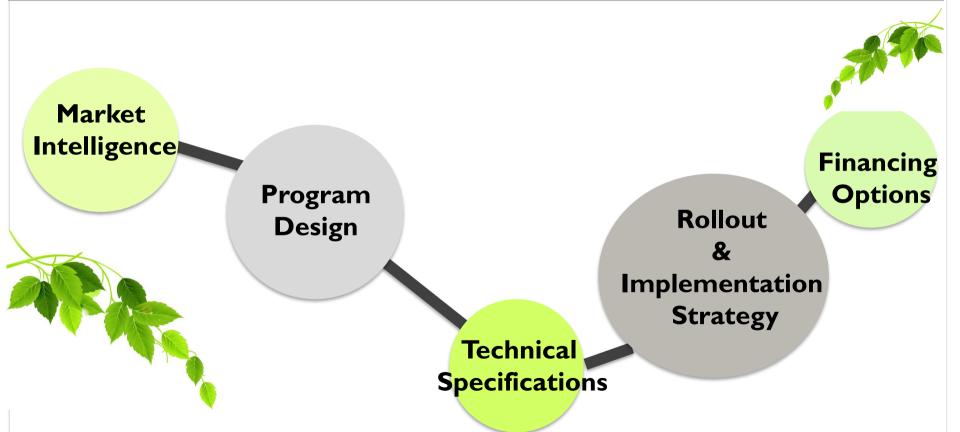


National energy savings equivalent to over 500 coalpowered 250 MW power plants by 2030



Typical payback of 2-4 years on additional cost

EESL – USAID: Partnership for Scaling-up EE Deployment





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