



Energy Efficiency Programs with Carbon Finance

World Bank Carbon Finance Unit

SDN Training

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Presentation Outline

- Types of CDM Projects
- CDM Programs
- Proposed CDM - Energy Efficiency programs
 - Rwanda CFL
 - India Chillers
 - Mexico Refrigerators & Air-conditioners
- Program Design – CDM specific requirements
- Conclusions

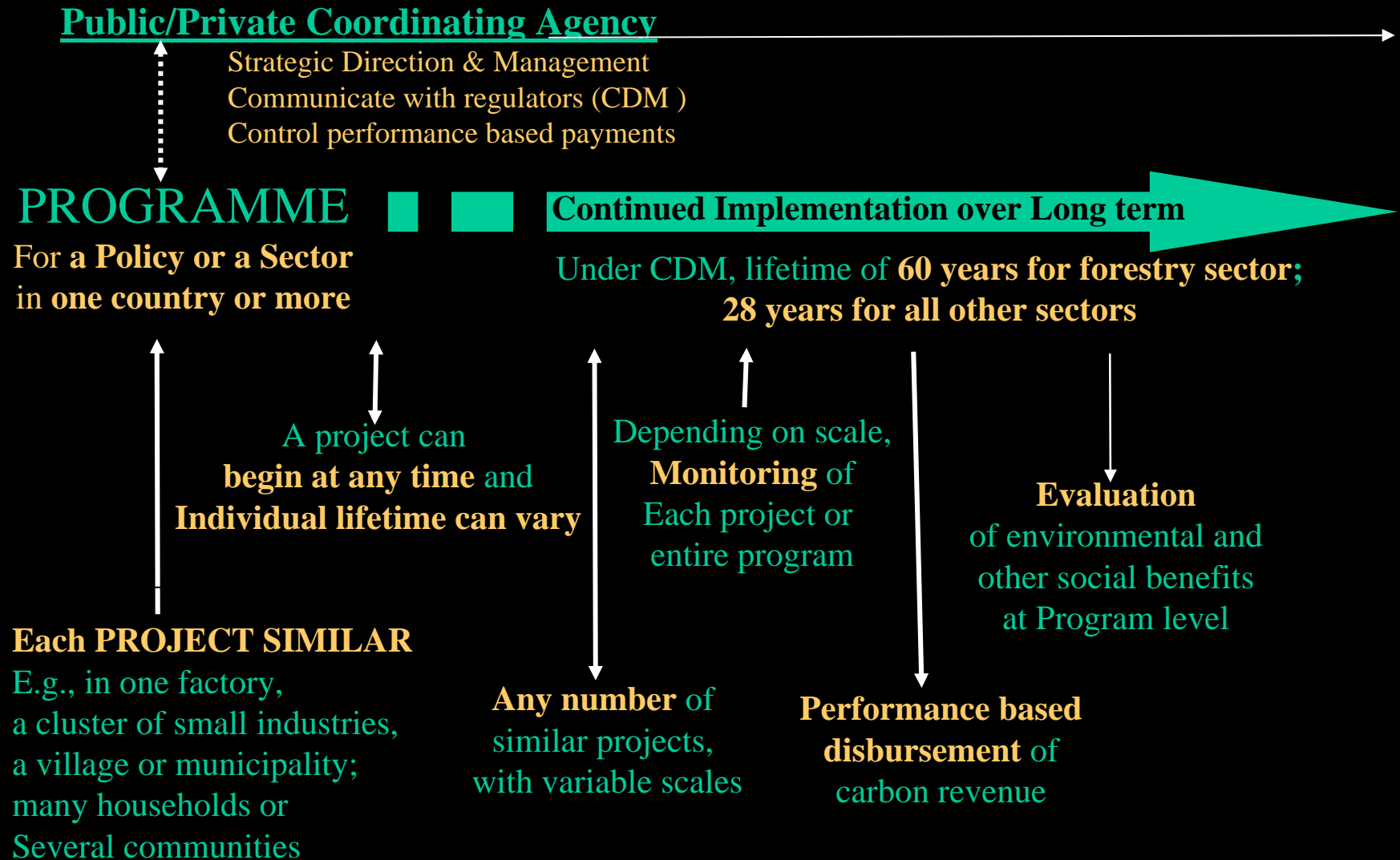


Types of CDM Projects

Single Project	Bundle of Projects	Program
Single location	Multiple locations	Multiple locations, across countries
Single project participant (PP)	Multiple project participants (PP)	Multiple project participants (PP)
1 project at a time	A number of activities submitted as 1 project activity at a time	A number of activities submitted as coherent groups (CPA) over the life-time of the POA
One crediting period	Uniform crediting period for all activities	Each CPA has own crediting period
PP known ex-ante	All PP known ex-ante	At least one PP known ex-ante, rest join later

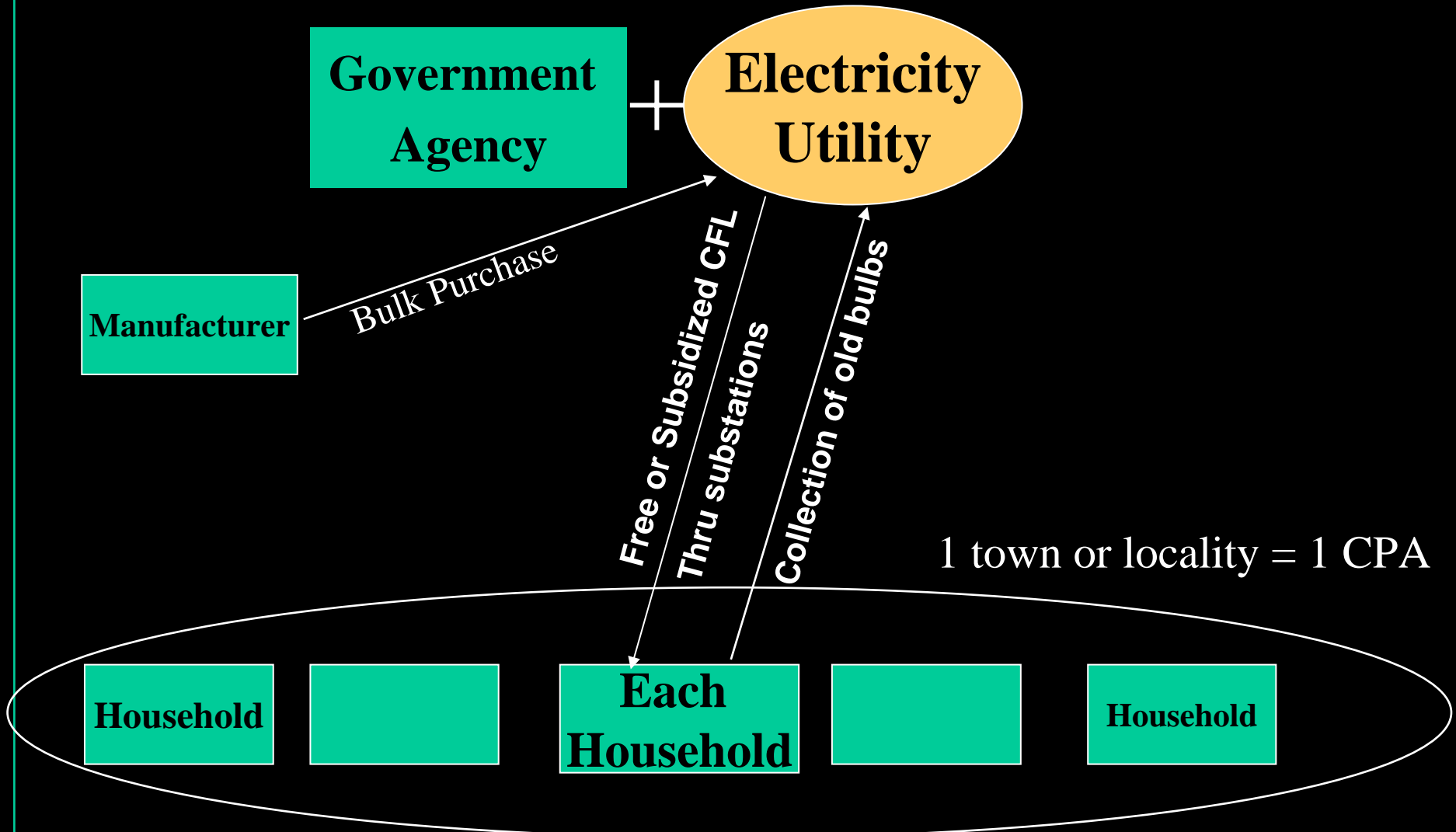


Explaining a Program





Rwanda CFL

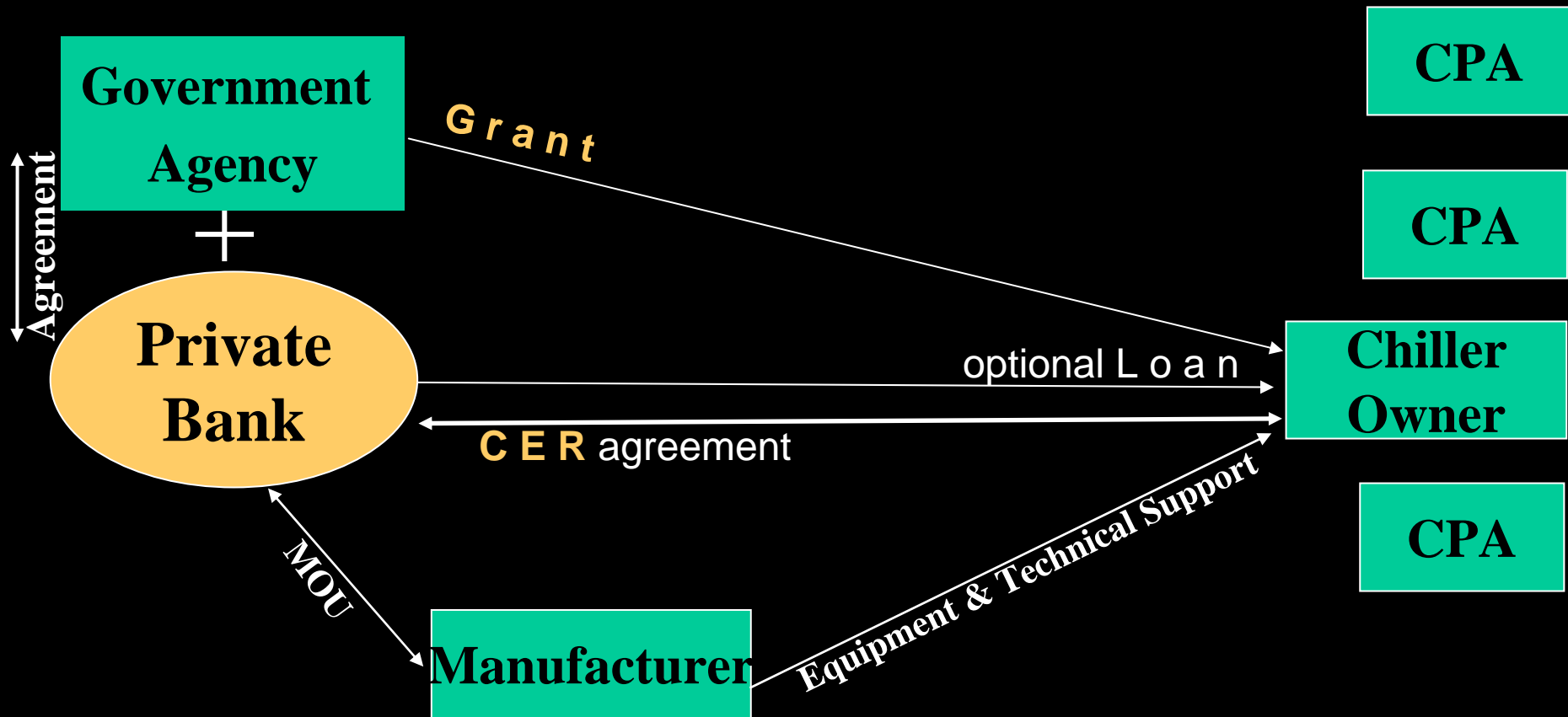


Methodology: Proposed AMS using deemed savings approach



India Chillers Program Proposed

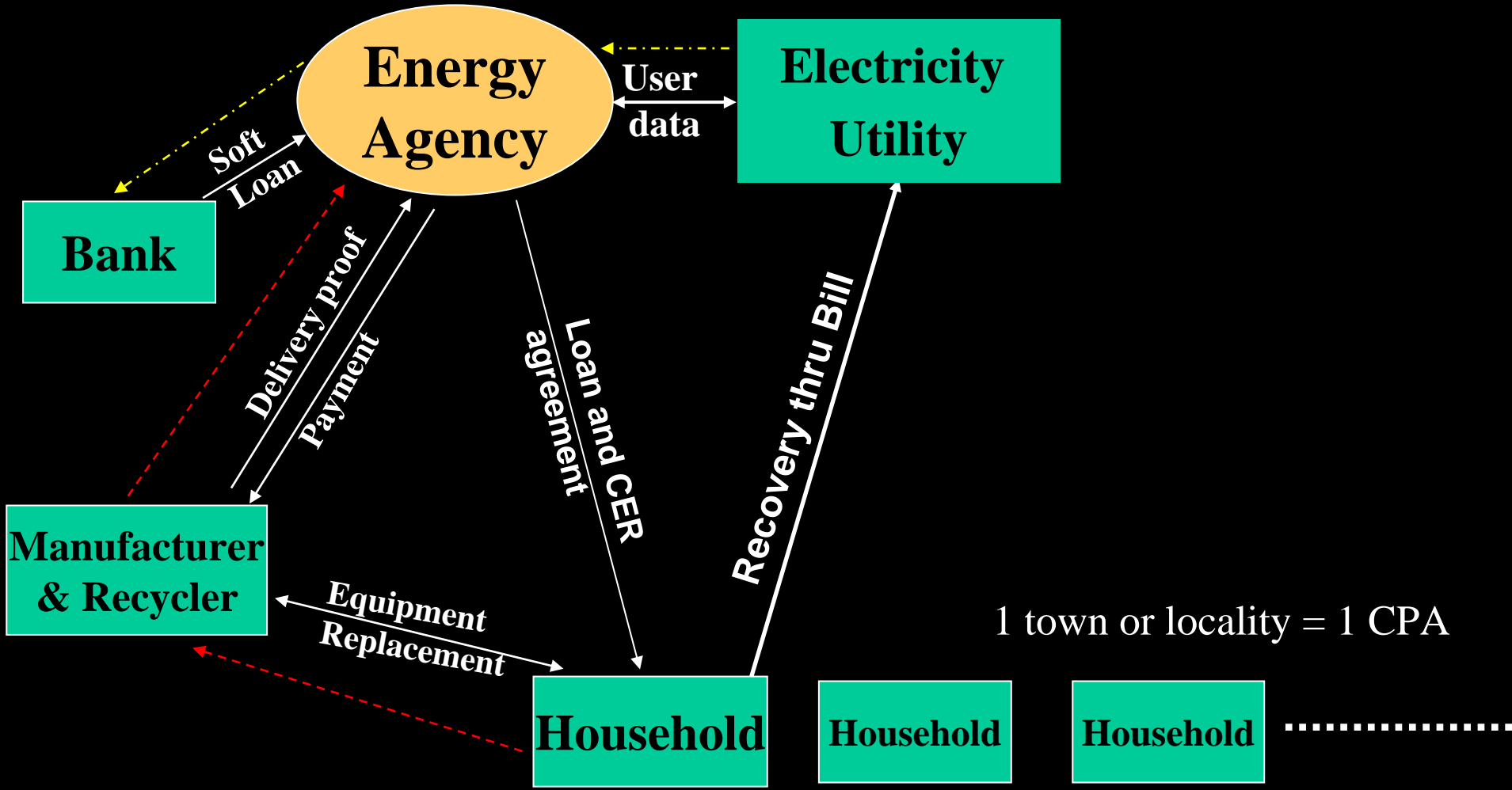
1 Chiller unit = 1 CPA



Methodology: AM0060 Replacement by Energy Efficient Chillers



Mexico Fridge & AC Program Proposed





Key CDM Requirements

- Coordinating agency and institutional arrangements
- Additionality demonstration: Could the program have been fully and effectively implemented without CDM revenue?
- Documenting the baseline, i.e., current practice or technology, through surveys
- Establishment of eligibility criteria for inclusion in the program
- Procedures for monitoring of activities and verification of savings
- Tracking or destruction of replaced equipment



Conclusion

- Available CDM methodologies cover most conventional Energy efficiency projects.
- CDM Programs are largely similar to EE programs, with a more stringent requirement for documentation
- Carbon finance can provide additional resources to the program
- Early identification of carbon finance opportunity could enable the design and implementation of EE programs to incorporate CDM requirements



Thank you

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