Closing Remarks and Future Directions

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Purpose of Annex and DOE/FEMP Support:
Share/disseminate best practices and new technologies
- ESPC contracting
- Designs
- Testing
- Standards and Labeling
- Calculation and Assessment Techniques
- ECM technologies

Other Benefits:
- Improved modeling and assessment for advanced ECMs
- Assist facilities to meet their energy efficiency goals
Examples of Application of ANNEX 46 Results

- Provide building/site managers with a menu of options for efficiency projects
  - Ensure that site managers know about additional technologies
  - Give them basic information about the technologies to use as a “filter” to evaluate proposed projects
  - Increase awareness of these technologies so that site personnel can raise the question “why not” if these are not included in project proposals.

- Include information on costs and savings to provide “reality check”

- Get more advanced technologies included in government energy efficiency projects
Annex 46 Recap:
Holistic Assessment Tool-Kit on Energy Efficient Retrofit Measures for Government Buildings (EnERGO)

Help develop procedures (such as project design and financing), technologies, and evaluation guidelines to help the government sector identify appropriate energy and water conservation measures, implement them, and maintain them.


Subtask B: identify energy efficiency technologies and offer guidance to facilitate design of government energy saving projects. [Database of "Energy Saving Technologies and Measures for Government Building Retrofits" with examples of best practices]

Subtask C: guidance to obtain the best possible results from an ESPC. [Best Practice Guidelines for Innovative Energy Performance Contracts]

Subtask D: puts the information from subtasks A, B and C in a toolkit form to make it easier for facility managers to access and apply it. [IT-Toolkit "EnERGo"]
“Thank You” for Technical Support

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Spirit of Cooperation

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Conclusions & Next Steps

- The Annex will help US facilities “push the envelope” of energy efficiency. Sufficiently efficient is no longer enough; we must be aggressive to meet EO 13423 & 13514.

- An extensive body of information from Annex 46 is available:
  - ECM templates
  - Case studies
  - ESPC guidance
  - Calculation/assessment techniques
  - Descriptions of energy efficiency programs

- These reference materials will be of value to energy managers, ESCOs and other officials in developing state-of-the-art energy efficiency projects for their buildings

- Development of equipment simulation has contributed to numerous improvements in EnergyPlus

- Annex 46 results will be adapted for posting on FEMP website or will be linked from FEMP Website
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