



U.S. Department of Energy
Energy Efficiency and Renewable Energy

Energy Conservation Standards for Commercial Refrigeration Equipment

Advance Notice of Proposed Rulemaking (ANOPR) Public Meeting

Building Technologies Program
Office of Energy Efficiency and Renewable Energy
U.S. Department of Energy

August 23, 2007



Meeting Agenda

9:00-9:05 am	Welcome
9:05-9:15 am	Opening Remarks, Introductions and Agenda Review
9:15-9:30 am	Rulemaking overview
9:30-10:00 am	Comments from Participants
10:00-11:15 am	Engineering Analysis
11:15-11:30 am	Break
11:30-12:45 pm	Life-Cycle Cost Analysis
12:45-1:45 pm	Break for Lunch (on your own)
1:45-3:00 pm	National Impact Analysis
3:00-3:30 pm	Discussion of Other Issues
3:30-3:45 pm	Break
3:45-4:30 pm	NOPR Analyses
4:30-5:00 pm	Next Steps and Closing Remarks
5:00 pm	Adjourn



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ANOPR Public Meeting

Rulemaking Overview

Building Technologies Program
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Purpose of the Public Meeting

- To present methodologies and characterize results for analyses to date
- To discuss specific issues related to each analysis
- To seek input from stakeholders on methodologies, assumptions and data sources
- To describe upcoming analyses and next steps

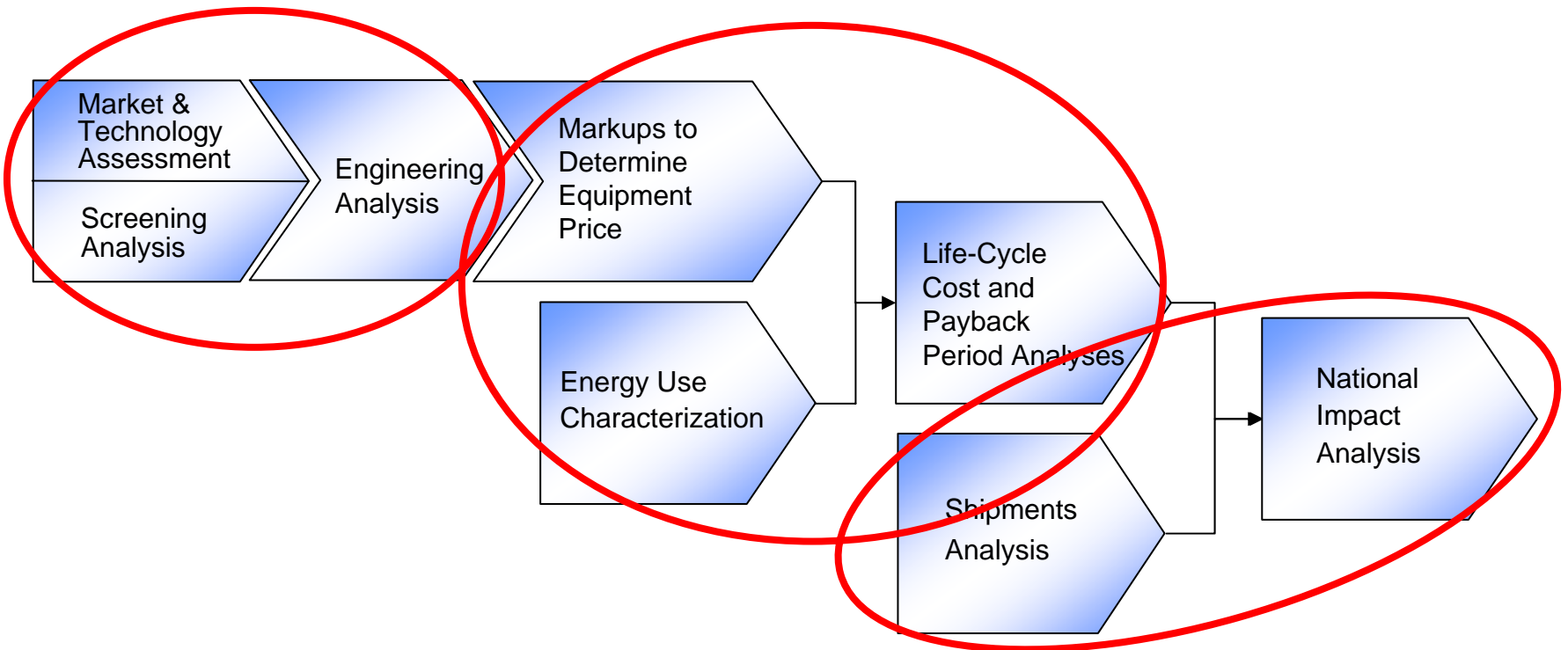
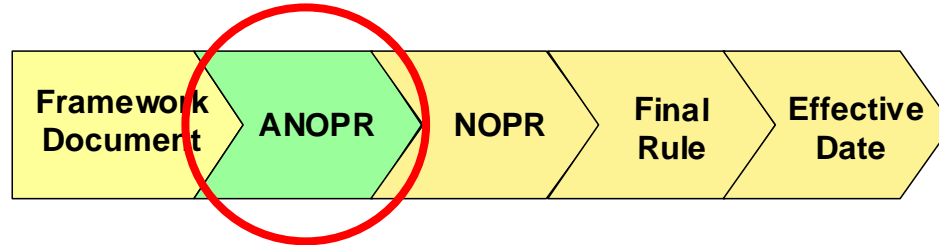


The Energy Policy and Conservation Act (EPCA) directs DOE to consider seven factors when setting energy conservation standards

Factor	Analysis
1. Economic impact on consumers and manufacturers	Life-cycle cost analysis Manufacturer impact analysis
2. Lifetime operating cost savings	Life-cycle cost analysis
3. Total projected energy savings	National impact analysis
4. Impact on utility or performance	Screening Analysis Engineering analysis
5. Impact of any lessening of competition	Manufacturer impact analysis
6. Need for national energy conservation	National impact analysis
7. Other factors the Secretary considers relevant	Environmental assessment Utility impact analysis Employment impact analysis

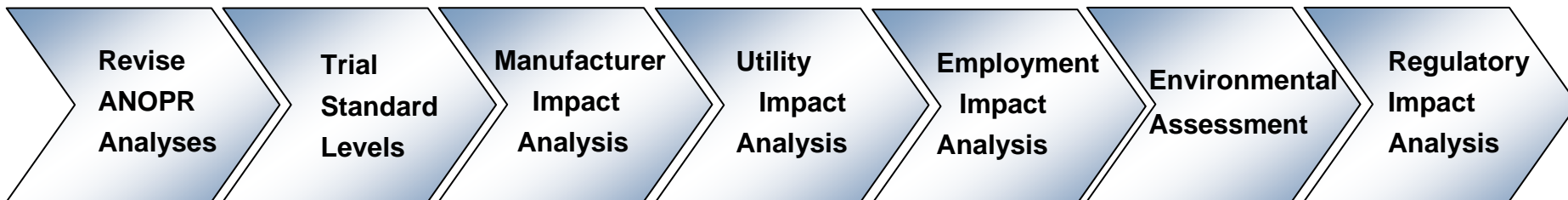
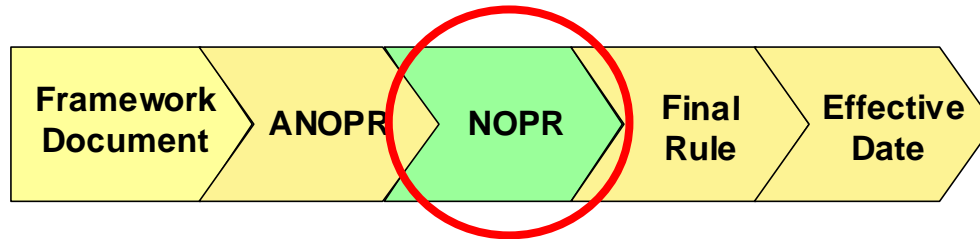


Steps in the Standards Rulemaking: ANOPR





Steps in the Standards Rulemaking: NOPR





Issues for Public Comment

1. **Equipment Class Prioritization and Extending Analyses**
2. **Air-Curtain Angle**
3. **Door Angle**
4. **Equipment Classes for Equipment with Doors**
5. **Equipment Classes**
6. **Case Lighting Operating Hours**
7. **Operation and Maintenance Practices**
8. **Equipment Lifetime**
9. **Life-Cycle Cost Baseline Level**
10. **Characterizing the National Impact Analysis Base Case**
11. **Base Case and Standards Case Forecasts**
12. **Differential Impact of New Standards on Future Shipments by Equipment Classes**
13. **Selection of Candidate Standard Levels for Post-ANOPR Analysis**
14. **Approach to Characterizing Energy Conservation Standards**
15. **Standards for Commercial Refrigerator-Freezers**



Comments from Participants

- **Participants are invited to provide summary comments or statements**
- **Participants are invited to raise additional issues for discussion today**
- **ANOPR comment period open through October 9, 2007.**