



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

# Energy Conservation Standards for Refrigerated Beverage Vending Machines

## Advance Notice of Proposed Rulemaking (ANOPR) Public Meeting

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

June 26, 2008

[http://www.eere.energy.gov/buildings/appliance\\_standards/commercial/beverage\\_machines.html](http://www.eere.energy.gov/buildings/appliance_standards/commercial/beverage_machines.html)



## Meeting Agenda

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



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# Rulemaking Overview



## 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

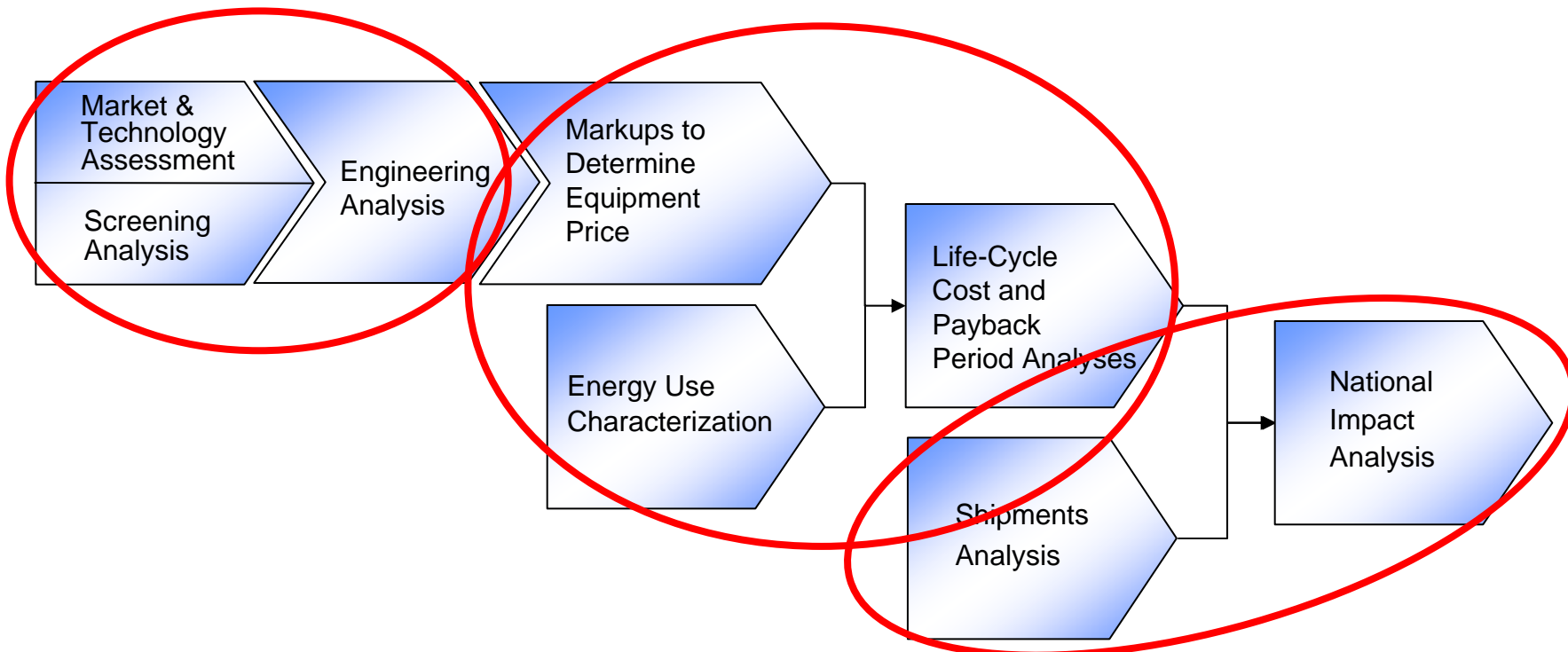
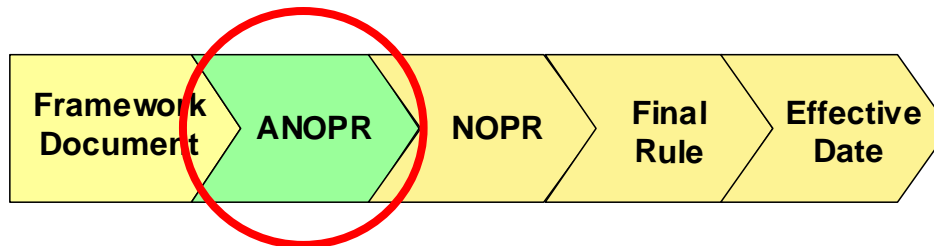


## The Energy Policy and Conservation Act (EPCA) directs DOE to consider seven factors when setting energy conservation standards

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



# Steps in the Standards Rulemaking: ANOPR





## Issues for Public Comment

- 1. Equipment Classes**
- 2. Operating Hours of Compressor and Lighting**
- 3. Equipment Refurbishment Cycles**
- 4. Life-Cycle Cost Baseline Level**
- 5. Base-Case and Standards-Case Forecasts**
- 6. Differential Impact of New Standards on Future Shipments by Equipment Classes**
- 7. Selection of Candidate Standard Levels for the NOPR Analyses**
- 8. Approach to Characterizing Energy Conservation Standards**



## 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 July 16, 2008**