Midterm Presentation

IPRO 326
Utilities @ IIT

March 9, 2009
• Statement of the problem
• Team organization
• Project goals and their progress
• Major obstacles and their resolutions
• Anticipated challenges
• Q&A
The Issue

• $10 million each year
• 32,000 tons of carbon emitted per year
• Promote sustainability
  – Not living up to it
• IIT needs help
  – John Collins, Joseph Clair
What are we doing?

• Research current utility model
  – Water, gas, electric, steam
• Develop a new utility model for IIT
  – Conservation
  – Efficiency
• Solution in 16 weeks
Project Goals

• Research efficiency barriers
• Investigate current utilities
• Examine metered pricing
• Develop new utility model
  – Encourage efficiency
  – Promote sustainability
  – Financially viable
Progress Toward Goals

• Research
• IIT Steam Plant Tour
• Q/A with utilities expert
• IIT’s current electricity model
• Metering system and current rates
• Methods for increasing efficiency
<table>
<thead>
<tr>
<th>Obstacles &amp; Resolutions</th>
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<tbody>
<tr>
<td>• Certainty and Scope</td>
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<tr>
<td>• Locating data</td>
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<tr>
<td>• Communication</td>
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<td>• iGroups / Google Groups</td>
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Anticipated Challenges

• Creating utility model
• Scope creep
• Processing data
• Time
Coming Up

• Additional data on IIT’s current utility
  – Rate structure
  – Current costs
  – Future needs
  – Infrastructure
• Regulations
• Efficient alternatives
Questions?