Ecowatt

Team 10

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Outline

• Project Description
• Design Norms
• Status

Questions
Biobattery

- Biobattery
  - a power generator with bacteria as the energy source
    - Generator
      - produces electrical energy from bacteria
    - Output Regulator
      - converts generated energy to a electrical useable output
Design Norms

- **Stewardship**
  - Reduce the usage of corrosive chemicals

- **Trust**
  - Dependable, Reliable

- **Justice**
  - Rights of Non-Users
Status

Bacteria

http://www.nasa.gov/topics/technology/NASA_technology_topics_archive_11.html
Ballpark Budget

» Rough Cost Estimates

- Bacteria & Medium $300
- Electrodes $50
- Membrane $50
- Case $50
- Circuit & Electronics $50
- Contingency & Misc $250

Initial Total $750
Schedule

Major Milestones

- Presentation 1: Today
- Poster, Website 1: 10-19-07
- Project Brief for Consultant: 10-29-07
- Poster, Website 2: 11-21-07
- Final PPFS: 12-07-07
Schedule

Major Decisions

• Bacteria
• Electrodes
• Membrane
• Chamber Sizes
• Voltage Out
Questions?