

Categorized “Needs” 2

Date: August 28, 2006
Project: District Master Planning
Owner: Marshall Public Schools
A/E#: 2107.150 PF

TECHNOLOGY CATEGORY

Educational Delivery

- Projectors in Classrooms
- Smart Board Technologies
- Sound Enhancement in Classrooms
- Sound Systems HS (Café & Aud)

Security

- Building Access Control system
- Intrusion Alarms
- Video Surveillance

District Hardware

- Network Core component replacement
- Wireless Network access Points
- Uninterruptible Power Supplies
- Additional Servers
- Video Streaming Server
- Network Backup systems

Student Achievement

- Student Desktop Computers
- Student Laptop Computers
- Printers
- Laptop Carts
- Scanners
- Document Cameras
- Digital Cameras

Infrastructure

- Wide Area Network Cabling
- Computer Drop Cabling

Communications

- High School Communication System Replacement
- Messaging / Voicemail systems
- Nextel Enhancements

ENERGY PAYBACK CATEGORY

“A” 0 – 10 Year Return

- Single pane window replacements
- High Efficiency Boiler Installations
- T8 Lighting Improvements
- Add Energy Management Systems
- Occupancy sensor control of lighting systems (classroom areas)
- Replace storefront door systems
- Pool heat recovery unit

“B” 10 Year Plus Return

- 1950's, 1960's & 1970's Unit Ventilator Replacements
- Occupancy sensor control of lighting systems (other areas)
- CO2 Sensors in classrooms
- Heat recovery Units
- Replace steam heat systems with hot water system

“C” Upgrade / Added Feature

- Add Air Conditioning Capability
- Additional electrical Panels for increased loads
- Additional classroom power distribution
- Clock system replacements
- Add surge suppression to electrical panels
- Domestic water piping replacement
- Rusted ductwork replacement
- Stage Lighting System replacement