Amended H.B. 264 Report

Monroeville Local Schools
Board of Education
Agenda

HB 264 Report

• Challenges in Ohio Schools
• We have Great Solutions
• Proven Results
• Our Process Works
• Recommendations
We Understand the Challenges in Ohio Schools

➢ Reduced Funding – “Asked to do More with Less"

➢ Aging Facilities in Need of Improvement

➢ Deferred Maintenance and Staffing Issues

➢ Budgeting Repairs, Maintenance & Energy

➢ Demanding Federal & State Regulations
We Have Great Solutions

✓ Self-Funded Solutions Through Existing Budget
✓ Optimize Building’s Energy & Operational Usage
✓ Improving Facilities is Core to Everything We do
✓ Implement the Best Technologies and Solutions

Ft. Loramie HS Entrance Doors
We Have Proven Results

Local – Regional – National References

High Performance Building Saves Millions Nationwide

Provide Services to Institutions, Schools & Businesses

Potential Savings of 10% to 50% Annually
We Have Proven Solutions

**Current**

- Maintenance & Operations

**Future**

- Savings $16,457
- Program Investment

**Opportunity:** Savings of 21% are created by the implementation of new solutions today.

**Goal:** Fund improvements without impacting your budget.

Maximize The Current Funds You Have Available!
Survey Results

Boilers have exceeded expected service life

This picture exposes the heat exchanger core.

The cost to replace the core is $9,000.00 each, not including burner and controls.

These two boilers will be eliminated.
Survey Results

Existing Building Controls System is obsolete.

Unable to communicate with new boilers.

Unable to integrate with new building addition equipment.
Recommendations

Amend HB 264 Project to Include:

1. Eliminating the Elementary School Boilers
2. Connect Elementary School Heating Piping to Newer High School Boilers
3. Connect New Addition Heating Piping to Newer High School Boilers
4. Replace Existing Building Controls System
5. Connect New Addition Equipment to Central Building Controls System
Financial Highlights

- Annual Energy Savings - $9,568 / Yr.
- Operational & Maintenance Savings - $6,889 / Yr.
- Total Cost Savings (13 years) - $158,829
- Net Program Cost - $158,563
- EPACT Credit (expires this year) - $3,800
- Energy Loan Fund Rebate (pending approval) - $2,500
- Internal Rate of Return - 7%
- Net Present Value - $266
# Project Financial Analysis

## Cash Flow Model

### 13 – Year Financing

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<th>Savings From Maintenance</th>
<th>Total Program Savings</th>
<th>Annual Project Cost</th>
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Next Steps

- Present to the Board of Education: Oct
- Board Resolution: Nov
- Engineering Submission: Dec
- OFCC Approval: Feb
- Bond Council: Mar
- Board Approval: Apr
- Project Begins: May
Successful Projects

Fort Loramie Local Schools
Norwalk City Schools
North Olmsted City Schools
Wellington Village Schools
Liberty Local Schools
Canton City Schools
Monroeville Local Schools
Wilmington City Schools
Stoll and Company
Independence Local Schools
Benefits

- Eliminates Two Boilers
- Updates an Obsolete Building Management System
- Connects New Addition to a Central Energy Management System
- Saves Energy and Maintenance Cost
- Qualifies for Ohio Straight ‘A’ Grant Fund