

CONSULTING ENGINEERS  
MECHANICAL - ELECTRICAL

3000 Canton Street, HOPKINSVILLE, KY. 42240  
Phone: (270) 886-2536 Fax: (270) 885-7978  
office@wbwengr.com for correspondence  
mail@wbwengr.com for drawings

July 6, 2005

Mr. William Day, Asst. Supt.  
Hardin County Board of Education  
65 W.A. Jenkins Road  
Elizabethtown, KY 42701

Re: Central Hardin High School  
Partial HVAC System Upgrade

Dear Bill:

The above project consists of replacing two original rooftop units serving Commons/Art Classrooms and Offices with:

1. Package gas heat rooftop unit serving Commons.
2. High Efficiency variable refrigerant volume split system heat pumps with 100% outdoor air unit serving Art Classrooms and Offices.
3. Each space will have separate temperature control thermostat.

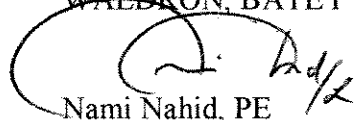
Enclosed are the following items for your use:

1. BG-1 Form with Fee Guidelines attached
2. Cost Analysis
3. One set drawings

Please advise if you have any questions.

Sincerely,

WALDRON, BATEY & WADE, INC.



Nami Nahid, PE

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Enclosures

KENTUCKY DEPARTMENT OF EDUCATION  
DIVISION OF FACILITIES MANAGEMENT

BG-1, MAY 1993  
PROJECT APPLICATION  
702 KAR 4:160

Emergency ☒

District Hardin County District Code 231 Facility Name Central Hardin High School School Code 190  
Grade Level Served 9-12 Current Student Capacity 2,000 District Organization Plan K-5, 6-8, 9-12

I DESCRIPTION AND SCOPE OF PROPOSED PROJECT

A. Check and complete the applicable items:

1. ☐ New Building
2. ☐ Addition
3. ☒ Renovation or Alteration (Describe) Partial HVAC System Upgrade
4. ☐ Relocatable Classroom. Number            Size
5. ☐ Equipment/Furnishings Procurement (Describe)
6. ☐ Other (Describe)
7. Site (Complete the Following)
  - a. Site Acquisition            Expansion            Number of Acres
  - b. A site has been acquired in accordance with 702 KAR 4:050 regulations
  - c. Location            Initials of District Superintendent
  - d. Proposed site currently owned by District: (Y) (N)

B. Compliance with 702 KAR 1:001/702 KAR 4:160

This application is being submitted for (refer to current plan):

1. Priority Category:
2. Discretionary Item Number:
3. Minor project not listed on Facility Plan:

IF NONE OF THE ABOVE APPLY, YOUR FACILITY PLAN WILL NEED TO BE AMENDED.

C. Please provide a complete narrative of the proposed project.

Project consists of replacing two original rooftop units serving commons/  
art classrooms and offices with:  
1. Package gas heat rooftop unit serving commons.  
2. High efficiency variable refrigerant volume split system heat pumps  
with 100% outdoor air unit serving art classrooms and offices.  
3. Each space will have separate temperature control thermostat.

LOCAL BOARD ORDER AUTHORIZING PROJECT AND NARRATIVE JUSTIFICATION MUST BE ATTACHED

# D. Program Space Square Footage

Complete for new facilities, additions and renovations.

New Facility:

\_\_\_\_\_ Preschool \_\_\_\_\_ Elementary \_\_\_\_\_ Middle \_\_\_\_\_ High \_\_\_\_\_ Alternative Center  
 \_\_\_\_\_ Capacity \_\_\_\_\_ Gross Square Footage

Additions or Renovations: (Please mark "R" after total program square footage entered if renovation.)

<u>Number</u>	<u>Total Net Program Sq. Ft.</u>	<u>Number</u>	<u>Total Net Program Sq. Ft.</u>
<b>Instructional:</b>		<b>Support Space:</b>	
_____ Preschool Classroom (P)	_____	_____ General Office (GO)	_____
_____ Elementary Classroom (E)	_____	_____ Staff Office (SO)	_____
_____ Middle/High Classroom (MH)	_____	_____ Administrative Area (AD)	_____
_____ Special Education (Self-Contained) (SE)	_____	_____ Guidance Office (GUO)	_____
_____ Resource - Elementary (ER)	_____	_____ Guidance Reception (GUR)	_____
_____ Resource - Middle/High (MHR)	_____	_____ Custodial Receiving (CR)	_____
_____ Art - Elementary (ARE)	_____	_____ Site Based Office (SBO)	_____
_____ Art - Middle/High (AR)	_____	_____ Site Based Conference (SBC)	_____
_____ Band (BA)	_____	_____ Family Resource Area (FRA)	_____
_____ Vocal Music (MUV)	_____	_____ First Aid with Toilet (FA)	_____
_____ Music - Elementary (MUE)	_____	_____ Records Room (RR)	_____
_____ Computer - Elementary (COE)	_____	_____ Workroom (WR)	_____
_____ Computer - Middle (COM)	_____	_____ Kitchen (K)	_____
_____ Computer - High (COH)	_____	_____ Cafeteria (C)	_____
_____ Science Room (SCR)	_____	_____ Mechanical Room (MR)	_____
_____ Science Lecture Lab (SCL)	_____		
_____ Auditorium (AU)	_____	<b>Other:</b>	
_____ Library (L)	_____	_____ Bay Bus Garage (BU)	_____
_____ Physical Education (PE)	_____	_____ Central Office (CO)	_____
_____ Agriculture (AG)	_____	_____ Board Room (BR)	_____
_____ Business Education (BE)	_____	_____ Central Storage Facility (CSF)	_____
_____ Developmental Occupations (DO)	_____		
_____ Marketing Education (ME)	_____	_____ Other _____	_____
_____ Home Economics (HE)	_____	_____ Other _____	_____
_____ Industrial Technology (IT)	_____	_____ Other _____	_____
_____ Drafting (DRF)	_____		
_____ Other _____	_____		
_____ Other _____	_____		
_____ Other _____	_____		
_____ Other _____	_____		
		<b>TOTAL NET PROGRAM SPACE</b>	_____

For Phased Projects:

Estimated Total Net Program Square  
Footage (Include all Phases) \_\_\_\_\_

Estimated Total Construction  
Cost (Include all Phases) \_\_\_\_\_

Estimated Contract Date of  
Final Phase \_\_\_\_\_

This BG-1 is for Phase \_\_\_\_\_ of \_\_\_\_\_ Phases

## II PROPOSED PLAN TO FINANCE APPLICATION

## A. Statement of Probable Cost:

1. Total Construction Cost	\$218,000
2. Architect/Engineer Fee	18,000
3. Construction Manager Fee	
4. Bond Discount	
5. Fiscal Agent Fee	
6. Contingencies	10,900 (5%)
7. Site Acquisition	
8. Equipment/Furnishings	
9. Equipment/Computers	
10. Technology Network System(KETS)	
11. Other	

Total Estimated Cost \$246,900

## B. Funds Available:

1. SFCC Cash Requirement	
2. SFCC Bond Requirement	
3. SFCC Bond Sale	
4. Local Bond Sale	
5. Cash - General Fund	\$246,900
6. Cash - Capital Outlay	
7. Cash - Building Fund	
8. Cash Investment Earnings	
9. KETS	
10. Other	
11. Other	

Total Funds Available \$246,900

THE ABOVE INFORMATION IS A STATEMENT OF PROBABLE COST AND FUNDS AVAILABLE AND IS REQUIRED TO BE REVISED TO CORRESPOND TO ACTUAL BIDS RECEIVED PRIOR TO THE SIGNING OF CONSTRUCTION CONTRACTS.

**TO BE COMPLETED ON INITIAL & REVISED APPLICATION:** The signing of this financial document certifies the above stated funds are available and designated for this project during this fiscal year.

\_\_\_\_\_  
Superintendent \_\_\_\_\_ Date

\_\_\_\_\_  
Chairman \_\_\_\_\_ Date

## ORIGINAL SIGNATURES REQUIRED

**NOTE:** Any district anticipating the financing of this and/or other projects in a combined school revenue Bond should discuss the financing with the Director of Division of Finance.

**TO BE COMPLETED ON INITIAL APPLICATION:**

This building project application is approved by the Division of Facilities Management indicating compliance with current facility plan or minor project under 702 KAR 1:010.

Comments: \_\_\_\_\_

\_\_\_\_\_  
Director/Branch Manager, Facilities Management

Date: \_\_\_\_\_

**TO BE COMPLETED ON INITIAL APPLICATION WHEN KETS**

**FUNDING IS INDICATED:** Technology Approval: Application approval based on available KETS funding and conformance with approved district technology plan. Disbursement of these funds may require additional approval.

Comments: \_\_\_\_\_

\_\_\_\_\_  
Director, Division of Systems Support, Education Technology

Date: \_\_\_\_\_

**TO BE COMPLETED ON INITIAL & REVISED APPLICATION:**

Financial Approval: Tentative approval based upon financial information provided this office in support of projected cost.

Comments: \_\_\_\_\_

\_\_\_\_\_  
Director/Branch Manager, Division of Finance

Date: \_\_\_\_\_

**TO BE COMPLETED ON INITIAL APPLICATION:**

This building project application is hereby approved according to the condition outlined in the application. You should now proceed in accordance with the attached checklist.

Comments: \_\_\_\_\_

\_\_\_\_\_  
Associate Commissioner, District Support Services

Date: \_\_\_\_\_

ARCHITECT/ENGINEER  
FEE GUIDELINES

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<u>Cost of Construction</u>	<u>Fee Proposal (%)</u>
Up to \$25,000	15.5
\$25,000 to \$50,000	13.4
\$50,000 to \$75,000	12.3
\$75,000 to \$100,000	11.3
\$100,000 and under \$200,000	9.8
\$200,000 and under \$300,000	8.7
\$300,000 and under \$400,000	8.4
\$400,000 and under \$500,000	8.0
\$500,000 and under \$600,000	7.7
\$600,000 and under \$700,000	7.5
\$700,000 and under \$800,000	7.4
\$800,000 and under \$900,000	7.3
\$900,000 and under \$1,000,000	7.0
\$1,000,000 and under \$1,250,000	6.9
\$1,250,000 and under \$1,500,000	6.8
\$1,500,000 and under \$1,750,000	6.7
\$1,750,000 and under \$2,000,000	6.6
\$2,000,000 and under \$2,250,000	6.5
\$2,250,000 and under \$2,500,000	6.3
\$2,500,000 and under \$2,750,000	6.1
\$2,750,000 and under \$3,000,000	6.0
\$3,000,000 and under \$4,000,000	5.8
\$4,000,000 and under \$5,000,000	5.7
\$5,000,000 and under \$7,000,000	5.6
\$7,000,000 and under \$9,000,000	5.6
\$9,000,000 and under \$11,000,000	5.6
\$11,000,000 and over	5.6

\* Renovation:  $1.25 \times$  Fee Percentage (applicable to renovation only) \*

Repetitive Design:  $.75 \times$  Fee Percentage

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