



# Bullitt County Public Schools

1040 Highway 44 East  
Shepherdsville, Kentucky 40165

Phone: 502-869-8000  
Fax: 502-543-3608  
[www.bullittschools.org](http://www.bullittschools.org)

## Memo

To: Jesse Bacon, Superintendent *JB*

From: Tony Roth, Interim Director of Facilities **Tony** *TR*

Date: September 15, 2021

Re: Request to Accept Revised BG1 for BiPolar Ionization

The request is to accept the revised amount of \$1,036,628.25 for the BiPolar Ionization Project that was performed during the summer of 2021, as seen in the attached document.

# BG1 Project Application Form (Initial)

## (Ref# 18568)

Form Status: Incomplete

---

Project: Bipolar Ionization  
 BG Number: 21-301  
 Status: New

District: Bullitt County (071)  
 Phase: Project Initiation

Construction Delivery Method	General Contractor
Procurement Standard	Model Procurement
Emergency	No

### Project Type and Description

#### Applicable Items

---

New Building	No
Addition	No
Major Renovation	No
GESC	No
Roofing	No
HVAC	Yes
ADA Compliance	No
Life Safety	No
Security	No
Water Bottle Filling Stations	No
Minor Project	Yes

#### Minor Project Description

Install the following devices to ionize the air: 959 - FC48, 389 - FC24, 49 - DM48, 51 - IRIB. Total Devices 1,448 for 27 buildings which are:

Freedom Elementary    Maryville Elementary    Old Mill Elementary    Zoneton Middle    Eastside Middle  
 Bullitt East High    Roby Elementary    Overdale Elementary    Cedar Grove Elementary    Transportation (Bus Compound)  
 Brooks Elementary    Crossroads Elementary    Food Service    Central Office    Bullitt Lick Middle  
 Bullitt Central High    Riverview (Bullitt Alternate Center & Riverview Opportunity Center, Multipurpose Building, and Day Treatment)  
 Bullitt Area Tech    Bernheim Elementary    Pleasant Grove Elementary  
 Lebanon Junction Elementary    Mt. Washington Middle    Nichols Elementary    Mt. Washington Elementary  
 Hebron Middle    Shepherdsville Elementary    North Bullitt High

New Relocatable Classroom	No
Equipment / Furnishings Procurement	No
Site Acquisitions	No

### District Facility Plan (DFP)

Compliance with 702 KAR 4:180 and 702 KAR 4:160

---

DFP Approval Date 6/1/2019  
 DFP Priority  
 Project Not Listed on DFP Yes  
 Project Not Listed on DFP Description

Installing Bipolar Ionization throughtout the BCPS distict is a project that resulted from our efforts to mitigate the ongoing affects of the COVID 19 pandemic. Likewise, this project will improve the overall air quality and enhance the safety of our buildings for students, teachers, and staff.

### Inventory

---

Facility Name

### Scope

---

Provide a Complete Narrative of the Proposed Project

#### District-wide Bipolar Ionization: Alpha Energy Solutions

District-wide Bipolar Ionization; Bipolar ionization devices create millions of positive and negative ions. When released into airways and through filtration, this is a proven method of destroying viruses. The project would include all district buildings and aide in improving the overall air quality to ensure that all buildings were healthy and safe.

Install the following devices to ionize the air: 959 - FC48, 389 - FC24, 49 - DM48, 51 - IRIB.  
**Total Devices 1,448** for 27 buildings which are:

Freedom Elementary Maryville Elementary Old Mill Elementary Zoneton Middle  
 Eastside Middle Bullitt East High Roby Elementary Overdale Elementary Cedar  
 Grove Elementary Transportation (Bus Compound) Brooks Elementary Crossroads  
 Elementary Food Service Central Office Bullitt Lick Middle Bullitt Central High  
 Riverview (Bullitt Alternate Center & Riverview Opportunity Center, Multipurpose Building,  
 and Day Treatment) Bullitt Area Tech Bernheim Elementary Pleasant Grove  
 Elementary Lebanon Junction Elementary Mt. Washington Middle  
 Nichols Elementary Mt. Washington Elementary Hebron Middle Shepherdsville  
 Elementary North Bullitt High

Work Related to Project But Excluded from this BG1 Scope

### Financial Plan

#### Probable Costs

Proposed Plan to Finance Application

---

Total Construction Cost	\$987,265.00
Construction Contingency	\$49,363.25

Architect / Engineer Fee	\$0.00
Construction Manager Fee	\$0.00
Fiscal Agent Fee	\$0.00
Bond Discount	\$0.00
Equipment / Furnishings	\$0.00
Equipment / Computers	\$0.00
Technology Network System (KETS)	\$0.00
Site Acquisition	\$0.00
Site Survey	\$0.00
Geotechnical Investigations	\$0.00
Special Inspections	\$0.00
Commissioning	\$0.00
Advertising	\$0.00
Printing	\$0.00

**Other Probable Costs**

---

Title	Amount
No Data	\$0.00
No Data	\$0.00
No Data	\$0.00
Total Project Cost	\$1,036,628.25

**Funds Available**

---

Bond Sale - SFCC	\$0.00
Bond Requirement - SFCC	\$0.00
Local FSPK Bond Sale	\$0.00
Local General Fund Bond Sale	\$0.00
Cash - SFCC Requirement	\$0.00
Cash - Building Fund	\$0.00
Cash - Capital Outlay	\$0.00
Cash - Investment Earnings	\$0.00
Cash - General Fund	\$0.00
City - County - KYTC Reimbursement	\$0.00
KETS	\$0.00
Federal Funds	\$0.00
External Partner Agreement	\$0.00

**Residual Funds**

---

BG Number	Fund Source	Amount
No Data	No Data	No Data
Residual Funds Total:		\$0.00

**Other Available Funds**

Title	Amount
ESSER II	\$500,000.00
ESSER II--State Set-Aside	\$536,628.25
No Data	\$0.00
<b>Total Funds Available</b>	<b>\$1,036,628.25</b>
Attachments	Bipolar Ionization Revised BG1.pdf

**BG1 Signature Page (Online Form Ref# 18568)**

The signing of this financial document certifies the above stated funds are available and designated for this project during this fiscal year.

Superintendent

Date

*Lisa Lewis*

*9-3-2021*

Finance Officer

Date

Chairman

Date

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/Branch Manager, KDE - District Financial