



**TOWN OF BOWLING GREEN  
ECONOMIC DEVELOPMENT AUTHORITY MEETING**

**A G E N D A**

**Monday, October 26, 2020  
6:30 PM**

**CALL TO ORDER AND QUORUM ESTABLISHED:**

**UNFINISHED BUSINESS:**

- [1.](#) Approval of October 5, 2020 Meeting Minutes

**NEW BUSINESS:**

- [2.](#) COVID-19 Mitigation HVAC Filtration System
- [3.](#) FY20 Work Plan

**INFORMATIONAL ITEMS**

4. CARES Act Small Business Assistance - UPDATE
5. Future Use Map: Update

**CLOSED SESSION:**

**RECONVENE:**

**ADJOURNMENT**

**TOWN OF BOWLING GREEN  
ECONOMIC DEVELOPMENT AUTHORITY  
MINUTES**

October 5, 2020 (September Meeting)

**CALL TO ORDER AND QUORUM ESTABLISHED:** Chairman, John Lane called the meeting to order at 6:30 PM and noted that a quorum of the EDA board was present.

**MEMBERS PRESENT:** Chairman John Lane, Glenn McDearmon, Donny Cutlip, Jean Davis, Dan Webb and Jason Manns.

**OTHERS PRESENT:** Jo-Elsa Jordan, Economic Development Coordinator

**MEMBERS ABSENT:** David Storke

**NEW BUSINESS:**

1. Welcome new Board Member, Jason Manns.
2. Approval of August 24, 2020 Minutes; Motion by Glenn McDearmon and Seconded by Jean Davis.
3. Budget: Work Plan
  - a. Marketing Material
  - b. Pursue real estate company for marketing Rt. 301 Commercial Corridor
  - c. Legal fees

**UNFINISHED BUSINESS:**

1. CARES Act Grant Application  
Jo-Elsa Jordan updated the board on the CARES Act grant application process and agreed to invite business owners to the October 26, 2020 EDA meeting to learn more about ways that the funds can be expended per the CARES Act guidelines. Glenn McDearmon suggested that contractors who offer such services should also be invited.

**INFORMATIONAL ITEMS:**

1. Future Use Map – UPDATE  
Jo-Elsa updated the board on the Planning Commission meeting held on Monday, September 21, 2020, whereas a presentation was given on the purpose and functions of a Future Land Use Map, clarifying the re-zoning process and welcoming feedback from the public.
2. CARES Act Work Session – UPDATE  
Jo-Elsa offered an update on the Town Council Work Session to include plans for expenditure categories including PPE and technology.

There being no further business to come before the board, John Lane adjourned the meeting at 7:26 p.m.

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Respectfully submitted:  
Jo-Elsa Jordan, Events Coordinator

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Approved:  
John Lane, Chairman

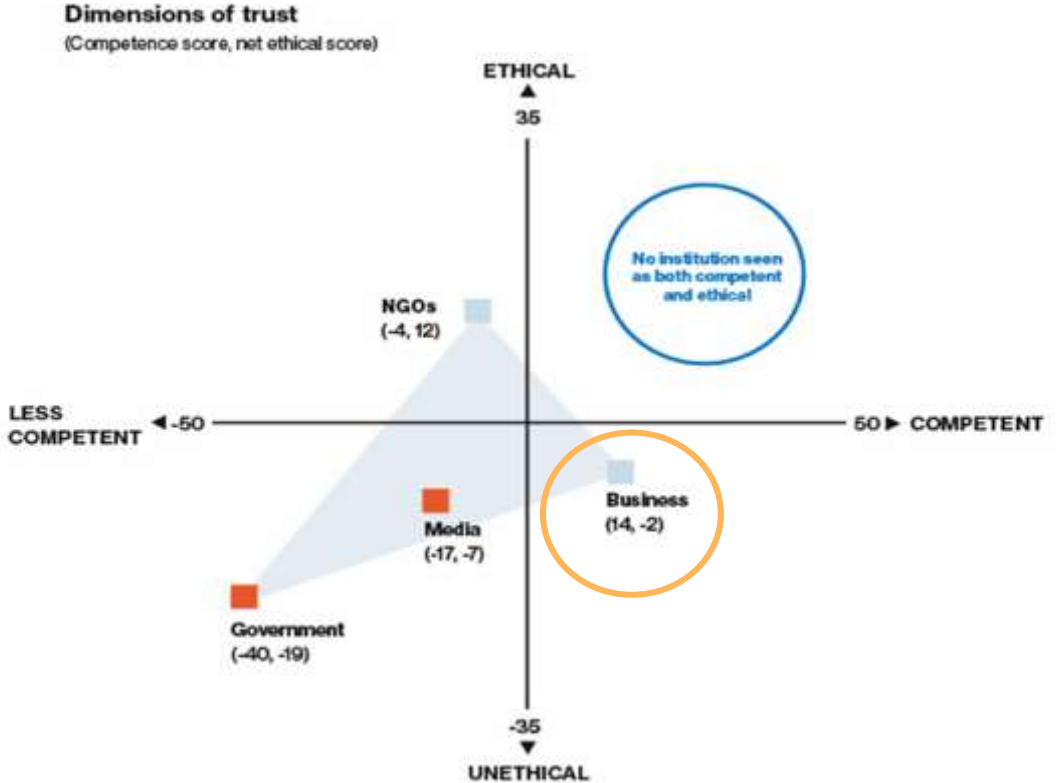
# Recommended COVID-19 Mitigation Strategies

- Installing Cold Plasma Ionization in HVAC
- Increased HVAC Filtration (MERV 11-13)

# Community Trust Is At Stake

The Time To Build Trust Is Now

Institutions are not viewed as being both competent and ethical\*



*\*2020 Edelman Trust Barometer*

# Ionization Summary

In summary, for the application in the Town of Bolling Green Business Community this is the most effective tool against COVID. There are a multitude of additional benefits associated as well including:

- 30% Reduction in Outside Air Unit Energy Use
- Reduced Odors for increased IAQ
- Reduction of Pathogens

## Some Existing Customer Sites

- >1,000 K-12 Schools
- The White House
- Virginia Tech
- Harvard University



### Particle Reduction

The GPS NPBI technology reduces airborne particles (i.e., dust, pet dander, pollen) through agglomeration. The ions attach to the airborne particles. The particles are subsequently attracted to one another, effectively increasing their mass and size. The air filtration system easily captures the larger particles, increasing the capture efficiency of your HVAC system.



### Pathogen Reduction

During the GPS cleaning process the NPBI technology attacks and kills viruses, mold spores and bacteria. The ions steal away hydrogen from the pathogens, leaving them to die, and leaving you with clean and healthy indoor air.



### Odor Reduction

During the GPS cleaning process chemical, pet, cooking, and other odors are broken down into basic harmless compounds, leaving the indoor air fresh smelling and free of odor causing VOCs.



### Energy Saving

GPS' environmentally friendly cleaning process allows commercial buildings to significantly reduce the amount of outdoor air required to operate. This equates to a safer, more comfortable environment that requires up to 30% less energy to condition.



# COVID-19

## Filtration Statistics

1. Increased Filtration (MERV 11-13)
2. First "stage" in highest quality commercial filtration
3. Likely able to install without any adjustment needed to be made on existing units (because of increased friction)
4. More particulate will be caught with GPS, so filter changes will need to be increased

MERV Rating	Air Filter will trap Air Particles size .03 to 1.0 microns	Air Filter will trap Air Particles size 1.0 to 3.0 microns	Air filter will trap Air Particles size 3 to 10 microns	Filter Type - Removes These Particles
MERV 1	<20%	<20%	<20%	Fiberglass & Aluminum - Pollen, Dust Mites, Spray Paint, Carpet Fibers
MERV 2	<20%	<20%	<20%	
MERV 3	<20%	<20%	<20%	
MERV 4	<20%	<20%	<20%	
MERV 5	<20%	<20%	20% - 34%	Disposable Pleated Filters - Mold Spores, Cooking Dusts, Hair Spray, Furniture Polish
MERV 6	<20%	<20%	35% - 49%	
MERV 7	<20%	<20%	50% - 60%	
MERV 8	<20%	<20%	70% - 85%	
MERV 9	<20%	Less than 50%	85% or Better	Better Home Box Filter - Lead Dust, Flour, Auto Fumes, Welding Fumes
MERV 10	<20%	50% - 64%	85% or Better	
MERV 11	<20%	65% - 70%	95% or Better	
MERV 12	<20%	80% - 90%	90% or Better	
MERV 13	Less than 75%	99% or Better	90% or Better	Superior Commercial Filters - Bacteria, Smoke, Sneezes
MERV 14	75% - 84%	90% or Better	90% or Better	
MERV 15	85% - 94%	95% or Better	90% or Better	
MERV 16	95% or Better	95% or Better	90% or Better	

# Comparison of Ionization vs. Other IAQ Strategies

## % of SARS Virus Controlled Based on Technology

MERV Rating	Filter Only	Filter+UVC***	Filter + Ionization*, **
6	6.2%	10%	34%
7	7%	12%	61%
8	11%	19%	84%
10	12%	35%	89%
13	46%	84%	97%
15	71%	97%	99%
16	76%	98.80%	99.90%
17 (HEPA)	99.90%	99.99%	99.999%

\*Ionization increases the filter efficiency 4-5 MERV levels -- this column added by GPS

\*\*Does not take into account ionization kills in the space and on surfaces

\*\*\*UVC does not effectively kill airborne pathogens in high RH conditions!

	GPS NPBI	OTHER BPI	CORONA DISCHARGE	HEPA FILTERS	CARBON FILTERS	ULTRAVIOLET (UV)	UV-PCO
Produces Harmful Byproducts	None	Yes	Yes	No	No	Yes	Yes
Reduces Airborn Particles	✓	Yes	Yes	Yes	No	No	No
Destroys VOCs	✓	Yes	Yes	No	Captures	No	Yes
Kills Pathogens	✓	Yes	Yes	No	Captures	Yes	Yes
Reduces Energy Cost	30%	Yes	Yes	No	No	No	No
UL 2998 No-Ozone Certified	✓	No	No	N/A	N/A	N/A	N/A
Treats In-Room Air	✓	Yes	Yes	No	No	No	No
No Replacement Parts	✓	No	No	No	No	No	No
Auto Self-Cleaning	✓	No	No	No	No	No	No
Simple to Install	✓	No	No	No	No	No	No
Low Total Cost	✓	Yes	No	No	No	No	No





## Economic Development Authority FY20 Work Plan

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**GOAL:** To receive funding in the amount of \$10,000.00 from the Town of Bowling Green to produce, design, print and mail marketing material, showcasing Bowling Green as a viable location for residential and commercial development; To cover associated legal fees.

	<b>ITEM:</b>	<b>ESTIMATED AMOUNT:</b>
•	Graphic Design	\$500.00
•	Two-pocket linen folder w/business card slit; Qty. 1000 (PrintDirtCheap.com)	\$1,500.00
•	Printing tiered inserts; Custom paper sizes	\$1,000.00
•	Postage	\$1,000.00
•	Legal Fees	\$3,500.00
•	Façade Improvement Grant Program	\$2,500.00
•	<b>TOTAL</b>	<b>\$10,000.00</b>

