



SAFE AIR FOR SCHOOLS



ABOUT MIKE:

- **18-year West Ada School Board Trustee**
- **12-years as board chair**
- **Served on Idaho School Board Association Region-3**
- **Owner operator of Quality Evolutions**
(Appraising & real-estate)
- **5 Grandchildren currently in K-12 Idaho Schools**

NPBI IN A NUTSHELL



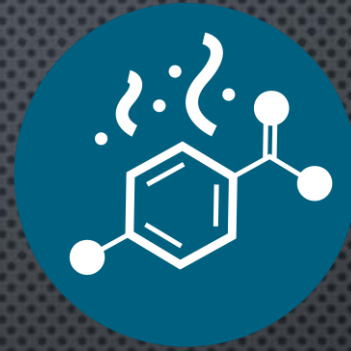
TARGETS PARTICLES

When ions disperse throughout a room, they combine with particles suspended in the air. This creates a snowball effect, in which particles of opposite polarity cluster together. The larger a particle becomes, the easier it is to capture in filtration systems.



REDUCES PATHOGENS

During the NPBI™ process, contact with ions disrupts pathogens' surface proteins, rendering them inactive and unable to replicate.



TACKLES ODORS

GPS' NPBI™ technology breaks down chemical, pet, cooking and other odors into basic harmless compounds, leaving indoor air fresh smelling and free of odor causing VOCs.



SAVES ENERGY

By keeping indoor air cleaner, NBPI reduces the amount of air required from outside to keep things fresh saving you initial ventilation equipment costs and up to 30% on energy consumption.

CURRENT ATMOSPHERE AMONG IDAHO PUBLIC SCHOOLS?

Family Confusion

(adding stress to a stressful environment)



Educational Disruption

(Can't afford to fail our kids)



School Board Contention

(Fueling the Fire)



Teacher Frustration/Burnout

(Hybrid learning Exhaustion)



The Public needs Leadership

(Longing for Solutions)



ONE THING WE CAN ALL AGREE ON.....
WE NEED OUR KIDS SAFELY BACK IN THE CLASSROOMS!



NPBI CAN HELP!

IDAHO SCHOOLS & GPS NPBI

Idaho School Currently Utilizing GPS NPBI:

- Bishop Kelly High School
- St. Marks Elementary
- Pioneer Montessori School
- Liberty Charter School
- Legacy Charter School
- Victory Charter School
- Alzar Charter School
- Idaho Art Charter School
- Anser Charter School
- Foothills Charter School
- St. Ignatius Catholic School
- McCall-Donnelly School District
(1st Public Non Charter/Private)

*****Thousands of Schools Nation Wide*****

Common Denominator: *Mostly Private or Charter!*

*****Our Public Schools need Safer Air!*****

IT'S TIME TO FIGHT BACK!

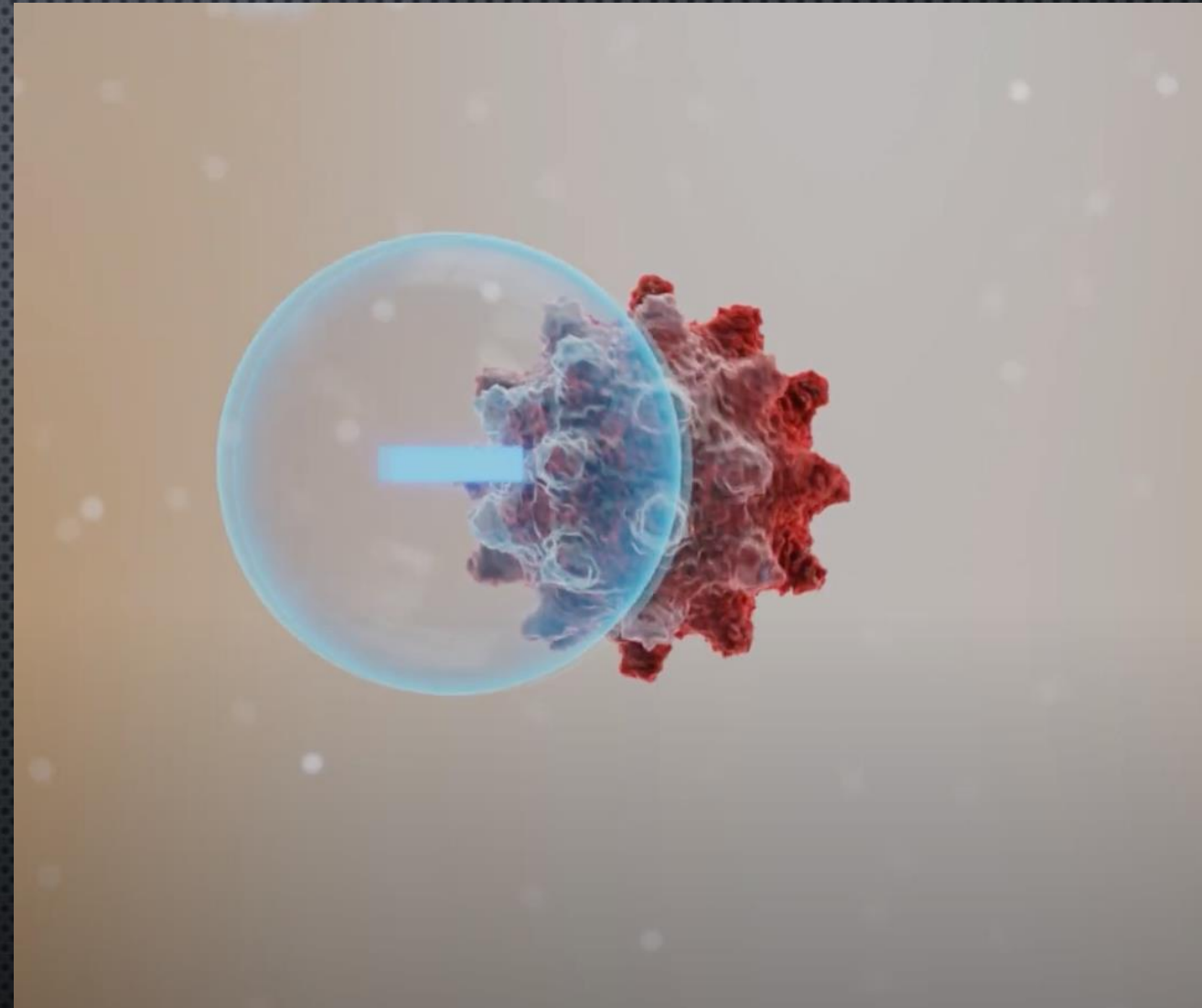
NPBI REDUCES THE SPREAD OF DISEASE

What We are not Saying:

- NPBI will deactivate 100% of the Virus
- Nobody will ever get sick in a school with NPBI

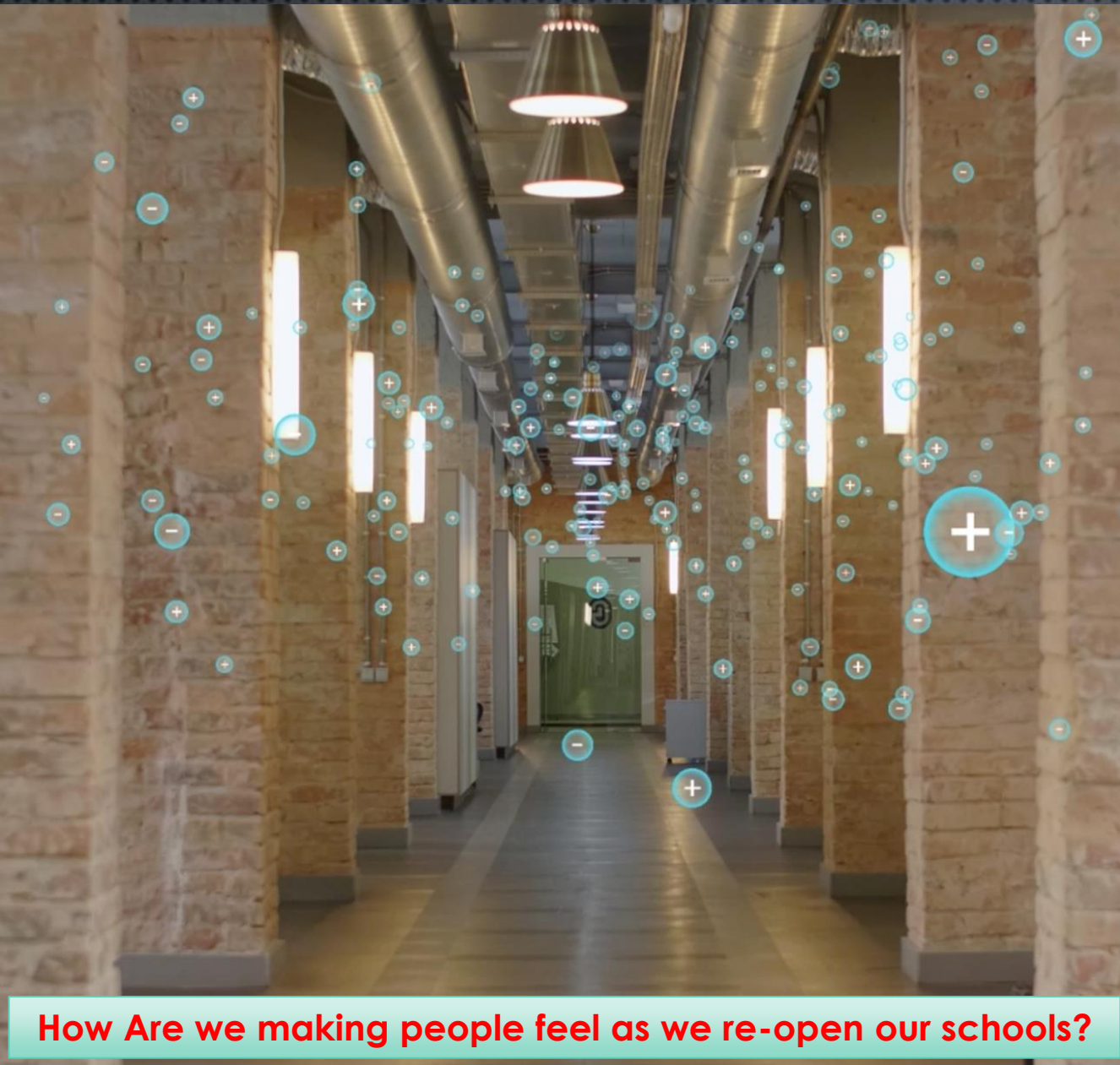
What we are saying:

- NPBI is an effective Technology in ***fighting Back*** against a Virus that has crippled our schools



GPS PATENTED TECHNOLOGY IS PARTICULARLY EFFECTIVE AGAINST PATHOGENS

CONFIDENCE & PEACE OF MIND



In Addition to the Indoor Air Quality Benefits, NPBI also creates a confidence and peace of mind for Teachers, Staff, Students and Parents alike.

Bishop Kelly experienced this peace of mind from parents and confidence from Teachers & Students much of which BK credited to the addition of NPBI. This unity made the difficult in-person re-opening process much easier



Other Private School parents felt so strongly in the need to add NPBI that they engaged in fund raising to help pay for the technology

How Are we making people feel as we re-open our schools?

BUT WHAT'S THE COST?

\$75/Student as an average



State wide Estimate: \$25M-\$30M



**The better question is:
What's the cost of not having our students in the classroom?...**

CASE STUDY – ENERGY SAVING PAYBACK (ROI)

GREER HIGH SCHOOL

\$10,000 Annual Electric Savings



THE CHALLENGE

GREER HIGH SCHOOL WAS UTILIZING AN OUTDATED HVAC SYSTEM THAT WAS BRINGING IN EXCESSIVE AMOUNTS OF OUTSIDE AIR, RESULTING IN (1) WASTED ENERGY, (2) HIGH HUMIDITY, AND (3) MOLD GROWTH.

THE SOLUTION

BY UTILIZING THE ASHRAE INDOOR AIR QUALITY PROCEDURE, THE SCHOOL WAS ABLE TO INCORPORATE GPS' NEEDLEPOINT BIPOLAR IONIZATION (NPBI) TECHNOLOGY TO REDUCE THE AMOUNT OF OUTSIDE AIR NEEDED TO CONDITION THE BUILDING. THE GPS FC 2™ AND THE GPS IBAR® WERE THE IONIZATION SYSTEMS INSTALLED TO REDUCE THE INTAKE OF OUTSIDE AIR WHILE IMPROVING THE INDOOR AIR QUALITY.

THE RESULTS

THE SCHOOL REALIZED AN ANNUAL ENERGY SAVINGS OF APPROXIMATELY \$10,000 BY USING GPS' ELECTRONIC AIR CLEANERS THAT ALLOWED FOR A REDUCTION IN THE PER PERSON OUTSIDE AIR INTAKE FROM 17 CFM TO 5 CFM. THE USE OF NPBI TECHNOLOGY RESULTED IN A LOWER CAPITAL EXPENDITURE WHILE REDUCING THE OVERALL ENERGY EXPENSE, THUS PROVIDING THE LEAST COSTLY OWNERSHIP SOLUTION. MOLD GROWTH WAS ABATED BY REDUCING THE HUMIDITY LEVEL OF THE INDOOR AIR, CREATING A SAFER AND CLEANER SPACE FOR THE STUDENTS AND TEACHERS.

**Reduction in outside air should not be considered until after COVID-19 is in our rear mirror
Pandemic protocol calls for as much dilution (via outside air) as possible to assist in over all IAQ**

POTENTIAL FUNDING OPPORTUNITIES

Federal Government has Awarded School Districts & Charters \$99-Million Dollars with two restrictions

1. The Funds are to be encumbered by December 31st
 - *GPS NPBI is in stock and readily available/quickly installed*
2. The Funds are to be used for COVID related Expenses
 - *GPS NPBI has been used specifically for COVID all across the world*



How can the SBE help Facilitate?





IN SUMMARY

COVID-19 has crippled schools across the nation and Idaho needs solutions

Everyone agrees the best solution is to have our Children safely back in school



GPS NPBI Can Help Fight Back against COVID and create Safer School Air

There are funds earmarked for our schools & COVID related solutions





NEXT STEPS?