Leaving a Legacy of Better Breathing for Students and Staff.

How to Use ESSER II & II funds as intended to drive ROI with indoor air quality improvements.

VOC (Volatile Organic Compunds) in indoor air are 5 times greater than in outdoor air. Certain activities may drive indoor levels 1,000 times outdoor levels. (EPA)

Children are most at risk with as much as three years of critical cognative and learning skills development in many older shcools with poor indoor air quality.

Green buildings have to breathe. Intelligently moving and exchanging indoor is critical. The bigger challenge is schools > 40 yrs. old. 1-in-4 commercial building has mold issue.

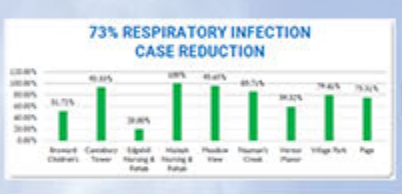
Seeing IAQ (Indoor Air Quality) in real time allows improvement efforts to be continually measured and optimized.

Maintenance products are also significant sources of indoor air pollution. Most commercial disinfectants and cleaners are harmful with regular use. (EPA)

Studies show that the air is unfit to breathe in over 15,000 schools.

Input : **Safer, Cleaner Air**

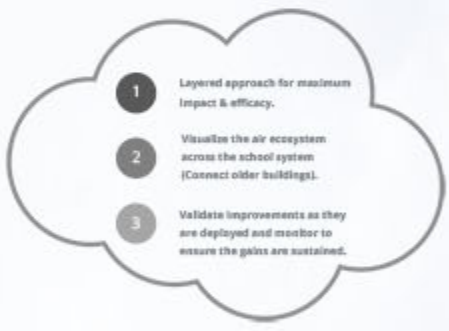
Start Here



> Improving our air at the classroom level has had a significant impact. Our illnesses are down and people just seem to feel better. Who knew that better air would be a such great investment for our kids and staff.
>
> Kathy Guajardo, Teacher
> Executive Director
> Elkhart and St. Joseph Counties Head Start Consortium

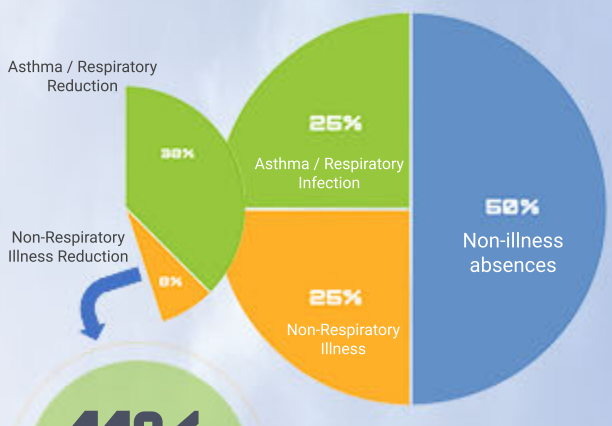
1. **6-9% human performance improvement gains from comprehensive IAQ quality improvement initiatives**
2. **73% avgerage case count reductions in respiratory infections across 9-studies in Healthcare facilities**
3. A Carnegie Mellon review: **Improved IAQ yielded average asthma reduction of 38.5%.** [1]
4. **Viruses, Bacteria, Mold, Pollen, Particulates, and VOCs**

Impacts : **Improved Health & Human Performance**



Impacts : **ROI**

> Managing our air quaity completely changed our work environment. We had issues so bad in one admin office that a couple staff members had rashes and skin irritation. By cleaning up our air kids and staff just feel better. Rashes gone!
>
> Whitney Pile, RN
> Murray Head Start



11%
Potential ADA Loss Avoidance From Fewer Absences

> We now have the best quality air that many of our kids will breathe all day.
>
> IN Head Start Administrator

Clean Air:

- Improved test scores
- Improved cognitive ability
- Improved visual and reading recall
- Improved athletic performance
- Improved work performance by staff
- Improved attendance
- Reduced absenteeism
- Fewer asthma events
- Fewer errors by staff
- Fewer staff absences
- Better health and wellbeing

Summary : **Clean Air Has Value**

What is clean air really worth?

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