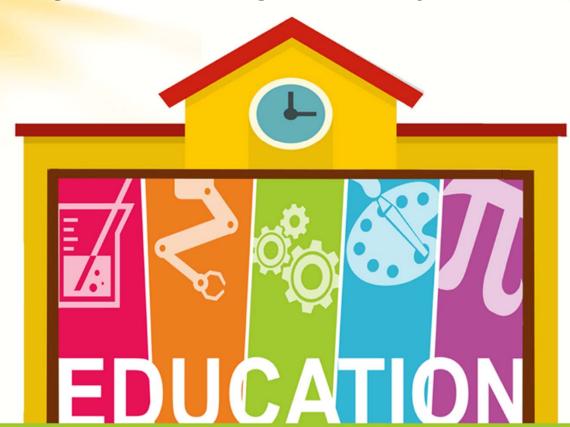


## **Ensuring Educationally Sufficient Facilities**

**Measuring and Calculating a Deficiency Score for a Facility** 



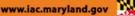
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# **School Facility's Purpose**

To support teaching and learning.



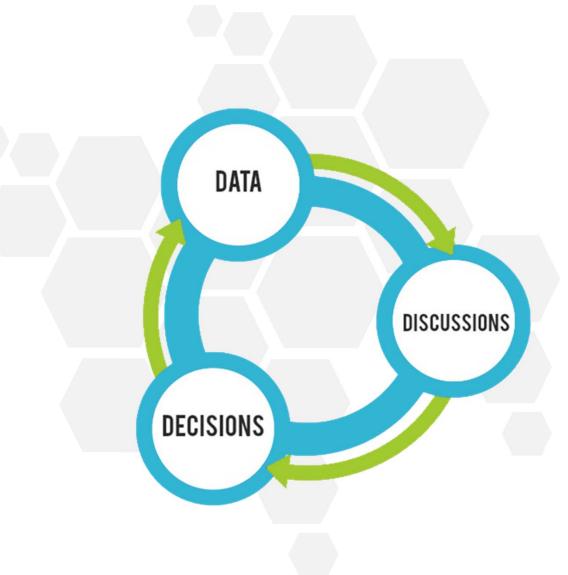


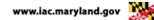


# Efficient Management Requires

## **Good Data**

- Sustaining safety and functionality over time can be difficult.
- Good efficient management does not happen on its own. It requires people, a plan, resources, and expected outcomes that are measurable and comparable.
- Investment in facilities management is a decision that should be based on need and return-on-investment.





# Defining Key Measurements



Condition

**Facility Condition Index** 



Educational Sufficiency

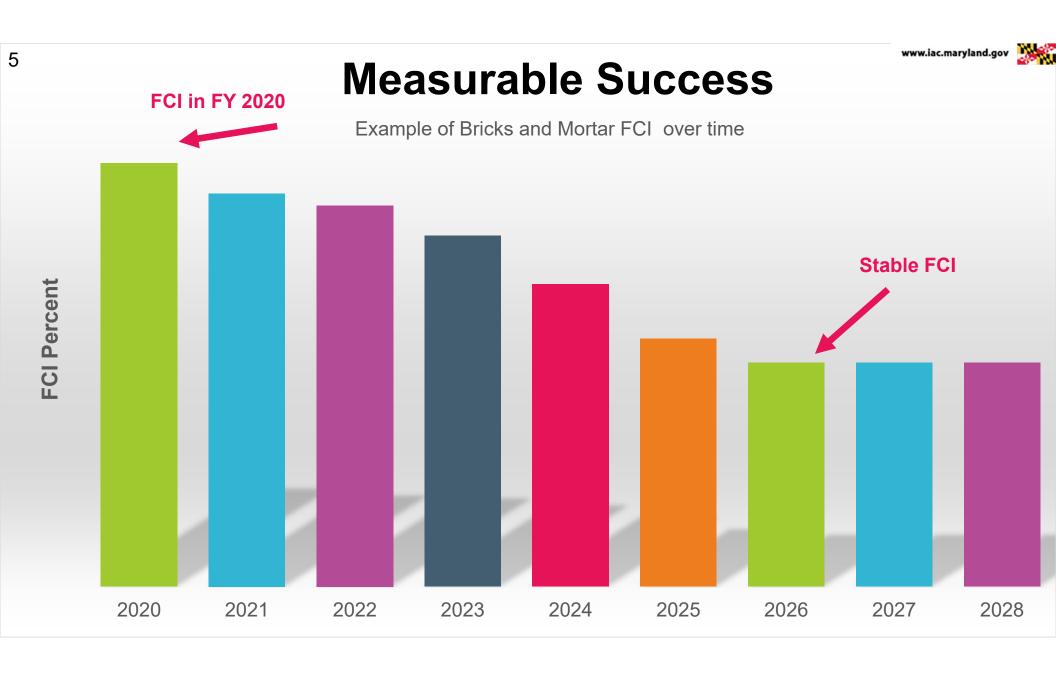
Facility deficiencies as measured against the sufficiency standards



Combined Deficiency Score

Single score for the facility that reflects both types of deficiencies





# Using Life-span Depletion (%) to Quantify Physical Condition

#### **Building-System Level**



#### **Facility Level**

**Depleted Value** 

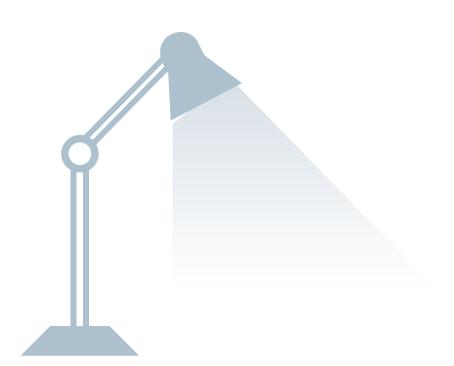
HVAC + Roof + Foundation + etc.

Replacement Value



# EDUCATIONAL SUFFICIENCY

#### Maryland Educational Facilities Sufficiency Standards



Mandated by 2018's House Bill 1783 – Md. Code Educ. Article § 5-310(c)

Adopted May 31, 2018

WHAT

Non-mandatory qualitative & quantitative standards describing the minimum facility attributes needed to deliver the educational programs and services required by the State

PURPOSE

Identify deficiencies in **existing** facilities that **substantially inhibit** the delivery of educational programs and services required by the State



#### EDUCATIONAL FACILITIES SUFFICIENCY STANDARDS

IAC Gross Area Baselines "An educational facility that works"

IAC Sufficiency
Standards

"The bare minimums"

**Reasonable School Size** 

Area of Design
Flexibility for LEAs

SUFFICIENCY

# EDUCATIONAL FACILITIES SUFFICIENCY STANDARDS

A School Facility must be safe (COMAR 13A.01.04.03) and capable of being maintained.

Qualitative Example



An exterior envelope is safe and capable of being maintained if walls and roof are weather tight under normal conditions with routine upkeep.



# EDUCATIONAL FACILITIES SUFFICIENCY STANDARDS

#### **Quantitative Example**



Cumulative classroom net square foot (sf) requirements, excluding in-classroom storage space and any in-classroom toilet rooms, shall be at least:

Prekindergarten	50 net sf/student
Kindergarten	50 net sf/student
Grades 1-8	32 net sf/student
Grades 9-12	25 net sf/student



#### EDUCATIONAL FACILITIES SUFFICIENCY STANDARDS

#### **Problem:**

Inadequate Facility Condition

#### **Problem:**

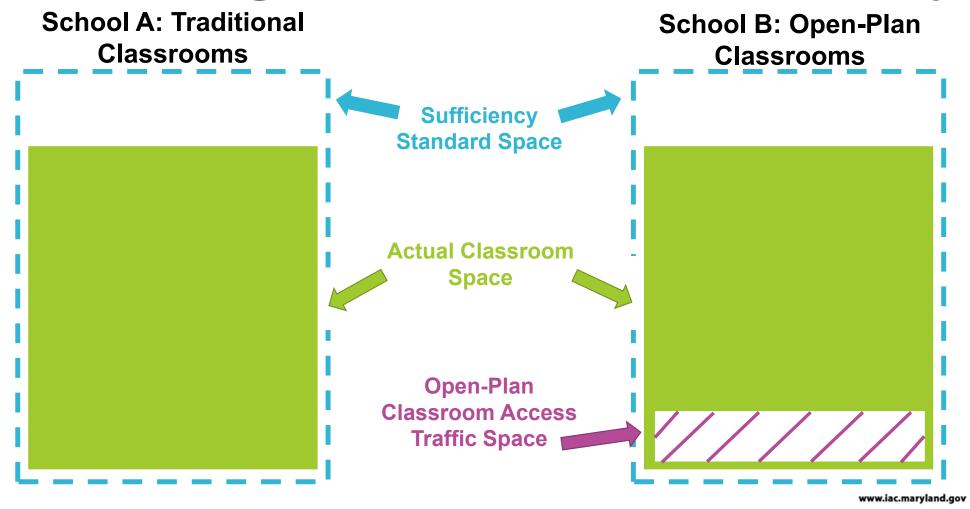
Inadequate Educational Sufficiency The assessment of school facilities against the Educational Facilities Sufficiency Standards identifies the problem, not the solution.

**Solutions** (to be determined by the LEA):

Repair, renovation replacement, addition...

After LEA determines solutions, the State reviews the proposed project, provides technical review assistance, and may provide funding through the CIP or other IAC program.

# Measuring Deficiencies in Sufficiency



# Examples of Deficiencies in Sufficiency

#### Code Violation/Immediate Threat to Life, Safety or Health

- Serious violations of fire, safety or building code
- Lack of Air Conditioning
- Asbestos in air

#### Space Related (insufficient for number of students)

- not enough general classroom space
- Not enough specialty classroom space
- Not enough cafeteria space

#### **Facility Related**

- Heating/air equipment not maintainable
- Not enough parking/driveways
- Roof nearing end-of-life failure
- Classroom lighting levels below standards



Common Deficiencies that Could Inhibit Teaching & Learning





## **Educational Facilities Deficiencies**

Within Life Cycle

Beyond Expected Life

Damaging Other Systems

**Crowded Facility** 

Life/Safety/Health/Code Violations

### Creating a Deficiency Score

**Facility Condition Deficiencies** 

**Educational Sufficiency Deficiencies** 

Weighting of
Deficiencies
for
Relevancy

Combined
Deficiency
Score





## A Deficiency Score Reflects...



- No Air Conditioning
- Overcrowded
- Building Systems not maintainable



- Air Conditioned
- At Capacity
- Facility generally operates as needed





**Empowering LEAs** 

Facilities are a collaborative process...

- Community involvement to empower
- Design to function
- Measure to improve





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# ... A healthy, safe, and educationally sufficient learning environment for every child in every seat in Maryland.

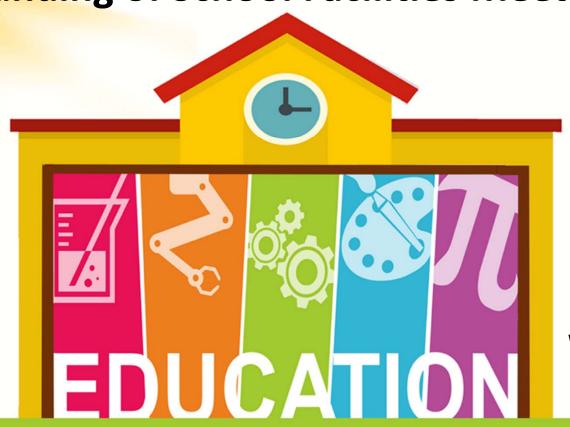


## **Questions?**

iac.msde@maryland.gov

#### Up next...

# Workgroup on the Assessment and Funding of School Facilities Meeting



In preparation for the Workgroup on Assessment & Funding of School Facilities

Workgroup Meeting August 28<sup>th</sup>, 2019 9:00 – 1:00 PM

www.iac.maryland.gov