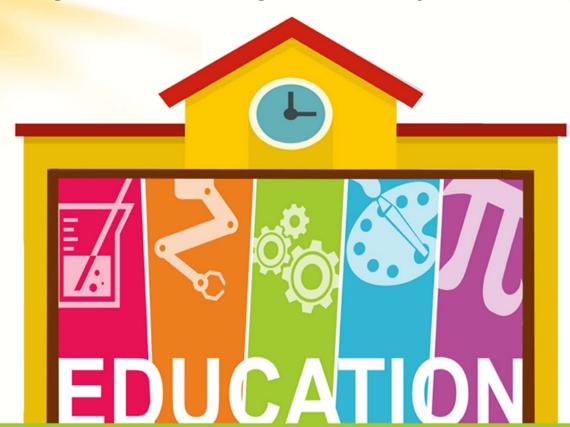


Ensuring Educationally Sufficient Facilities

Measuring and Calculating a Deficiency Score for a Facility



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

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School Facility's Purpose

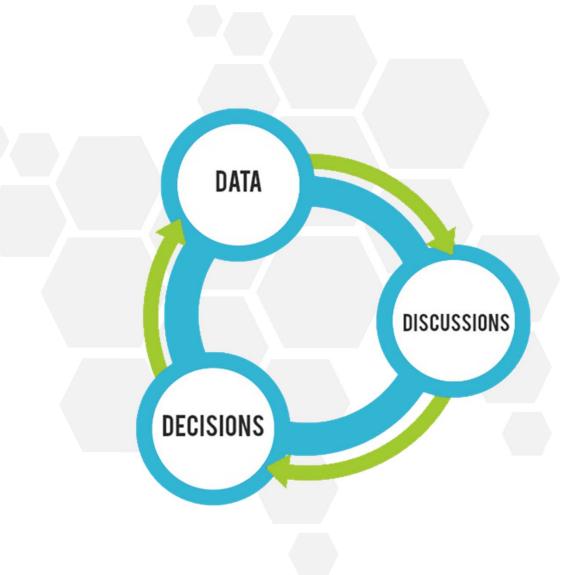
To support teaching and learning.

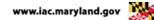


Efficient Management Requires

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

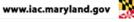
Facility Condition Index

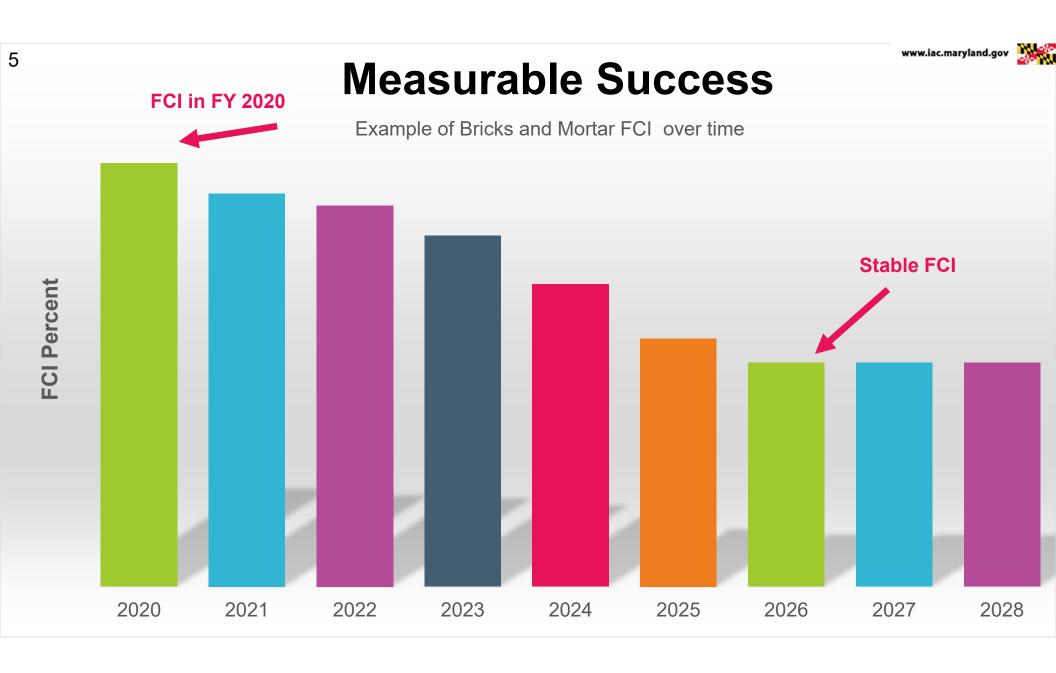
Educational Sufficiency

Facility deficiencies as measured against the sufficiency standards

Combined Deficiency Score

Single score for the facility that reflects both types of deficiencies





Life-span Depletion (%) to Quantify Physical Condition

Building-System Level



Facility Level

Depleted Value

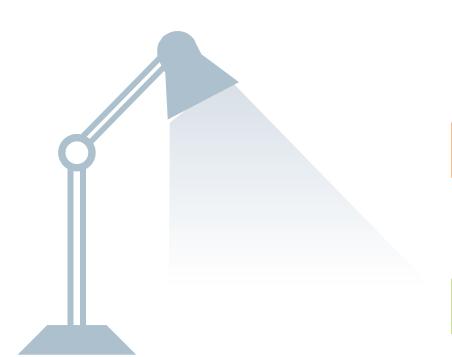
HVAC + Roof + Foundation + etc.

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"

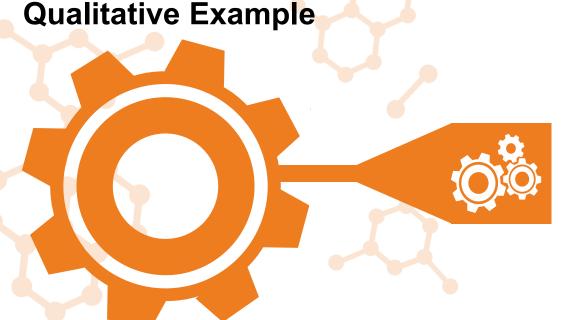
Reasonable School Size

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.



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:

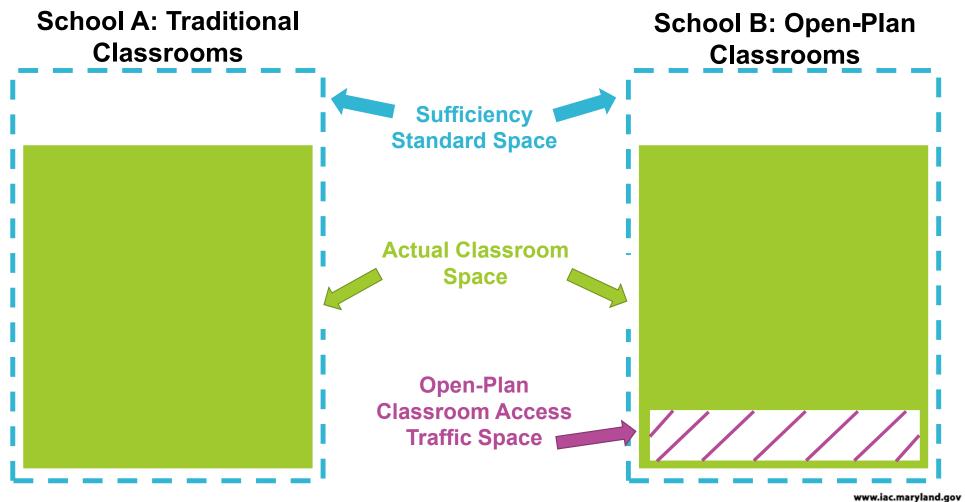
Inadequate Educational Sufficiency The assessment of school facilities against the Educational Facilities Sufficiency Standards identifies the problem, not the solution.

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.

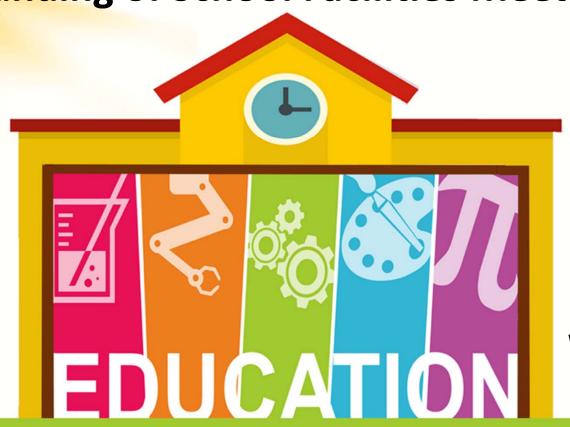


Questions?

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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 28th, 2019 9:00 – 1:00 PM

www.iac.maryland.gov