



School Building Authority
OF WEST VIRGINIA

Planning for the 2020 CEFPs

Comprehensive Educational Facilities Planning

WVDE & SBA Partnership

Thursday, November 8, 2018

sba.wv.gov

Partnership



West Virginia DEPARTMENT OF
EDUCATION



School Building Authority
OF WEST VIRGINIA

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Director of Administration

Lisa Wilkinson

Senior Financial Assistant

The Old Process 1990-2010

- Capital Planning = The Law
- Inconsistent information, sources, levels of *subjectivity*
- Difficult to access & track changes
- Information becomes stagnant
- County to County Comparisons and Statewide Review nearly impossible
- Insufficient data to make decisions, especially amendments
- Difficult to update



Preventative Maintenance Program

- SBA 3% Grant to WVDE to Continue PM since 2010
- Corrective Maintenance → Preventative Maintenance
- Cost savings and extended life expectancy of equipment
- **Significant details already loaded into software**



- PM Data loaded into databases reducing info needed in facility analyses
- **Information gives a head-start on creating a Technology-Based CEFPP**

Why a Technology-Based CEFPP?

- Right now, Everyone is doing it differently
 - No standard or “apples to apples” comparison
- Technology will allow you to model the building & equipment life cycles
- Better plan and better forecast for your ongoing capital needs
- Right now, everything is paper based – hard to search or analyze

What is **NOT** Different?

- Educational Plan drives the need for spaces
- Translating Educational Needs into Facility Needs
- Decisions made locally
- Architects / Engineers / Planners still used as County Consultants throughout the entire process, as needed by each LEA
- Community Support is Necessary!

The Old Process 1990-2010



The New Process – A Cycle of Success

- Step 1: **ASSESS**
 - Create a Detailed Assessment for all parts of your building and equipment
- Step 2: **PRIORITIZE**
 - Prioritize the Needs
- Step 3: **PLAN**
 - Create a plan of action for all items on the list
- Step 4: **EXECUTE**
 - Put the plan in motion – complete projects
- Step 5: **MAINTAIN**
 - Keep your system up to date so you never start at zero again

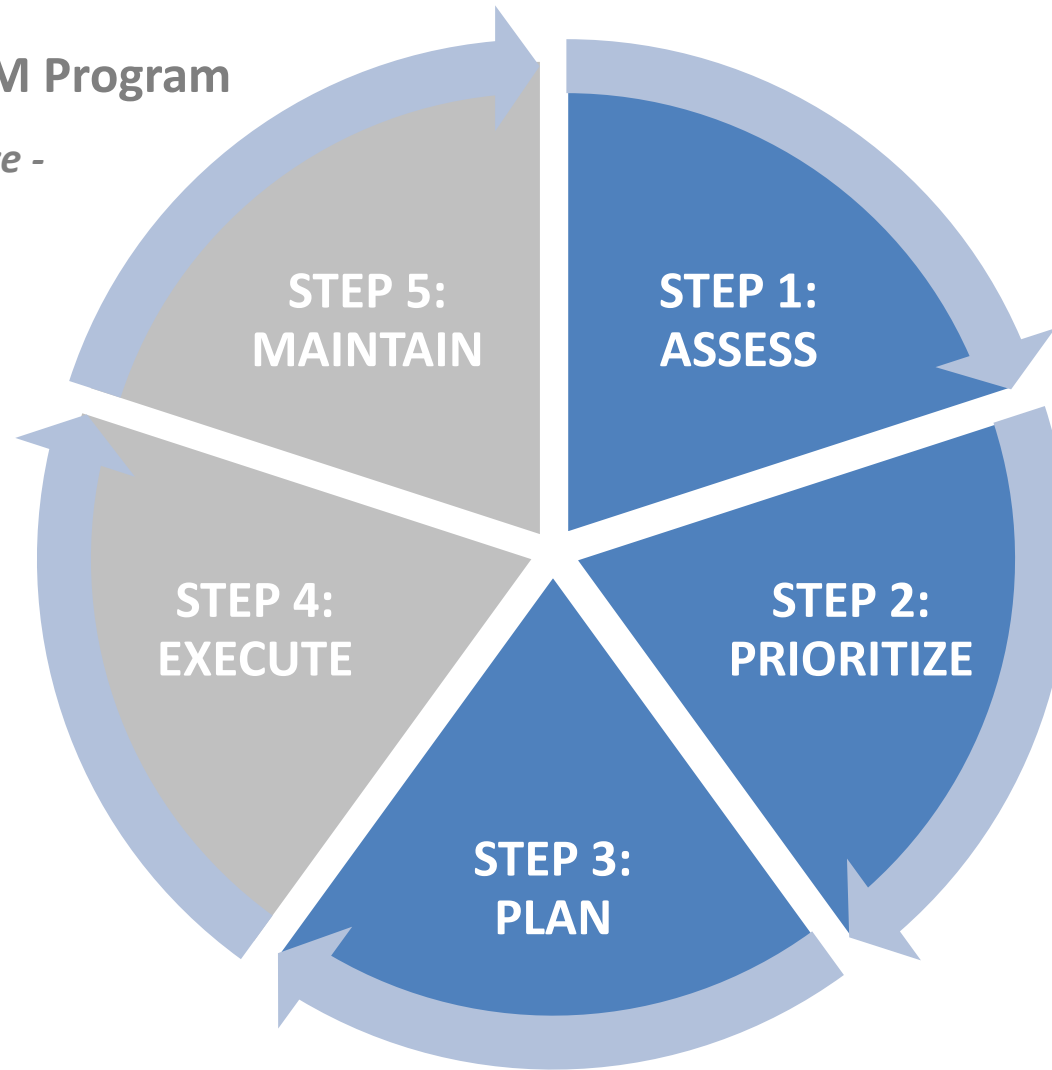


And... Repeat!

The New Process – A Cycle of Success

SBA-Funded PM Program

- In Place -



SBA & WVDE Grant
In Partnership with Local
Education Agencies

This is the CEFP

Approved Vendor

- Program Oversight – QA/QC
 - Mobilization
 - A/E Firm Training
 - Data Collection & Report Standardization
- State Level Executive Summary
- Annual Updates
 - State Reports
 - District Reports
 - School Reports



DUDE SOLUTIONS[®]
SchoolDude | FacilityDude | TheWorxHub

Step 1: ASSESS

FACILITY ASSESSMENTS

Architect / Engineer / Ed. Planner

- Evaluate existing facilities
- Enter data into Form Database
- Data transferred to Dude Connect

PM Module & Public Data available

- A/E Scope reduced in Early Stages

Tech-Based SBA Form 134 – iPad

- Not a subjective 1-5 answer

EDUCATION PLANNING

Committees Form & Meet

Evaluate Previous CEF

Determine Goals

Create Educational Plan

- Curriculum Plan
- Instructional Plan
- Operations Plan
- Support Plan
- Personnel Plan

SOURCE DATA

Community Analysis & Demographics

Population & Enrollment Study

School Enrollment Projections

ARCHITECTS

COUNTIES

THE DUDE

**DUDE
CONNECT**

Information Database

- Resources Readily Available
- “Liquid” Content
- Relevant
- Consistent
- Quality

Step 1: ASSESS

FACILITY ASSESSMENTS

ARCHITECTS

Update Location




Location Code

Location Description

Notes


Subscribe To Capital Forecast


Date Built 

Square Footage

Location Used
By

CRV 

FCI 

Building Type 

Save

Delete

Step 1: ASSESS

EDUCATION PLANNING

COUNTIES

- Creation of CEFPP Committees
 - Establish a single point of contact to Dude Solutions, Design Professionals & Sub-Committee Chairs
- Hire Architect / Engineer / Ed. Planner
- Evaluate Previous CEFPP

TO-DO LIST:

Create Educational Plan

- Curriculum Plan
- Instructional Plan
- Operations Plan
- Support Plan
- Personnel Plan

As outlined in WVDE Policy 6200

Step 1: ASSESS

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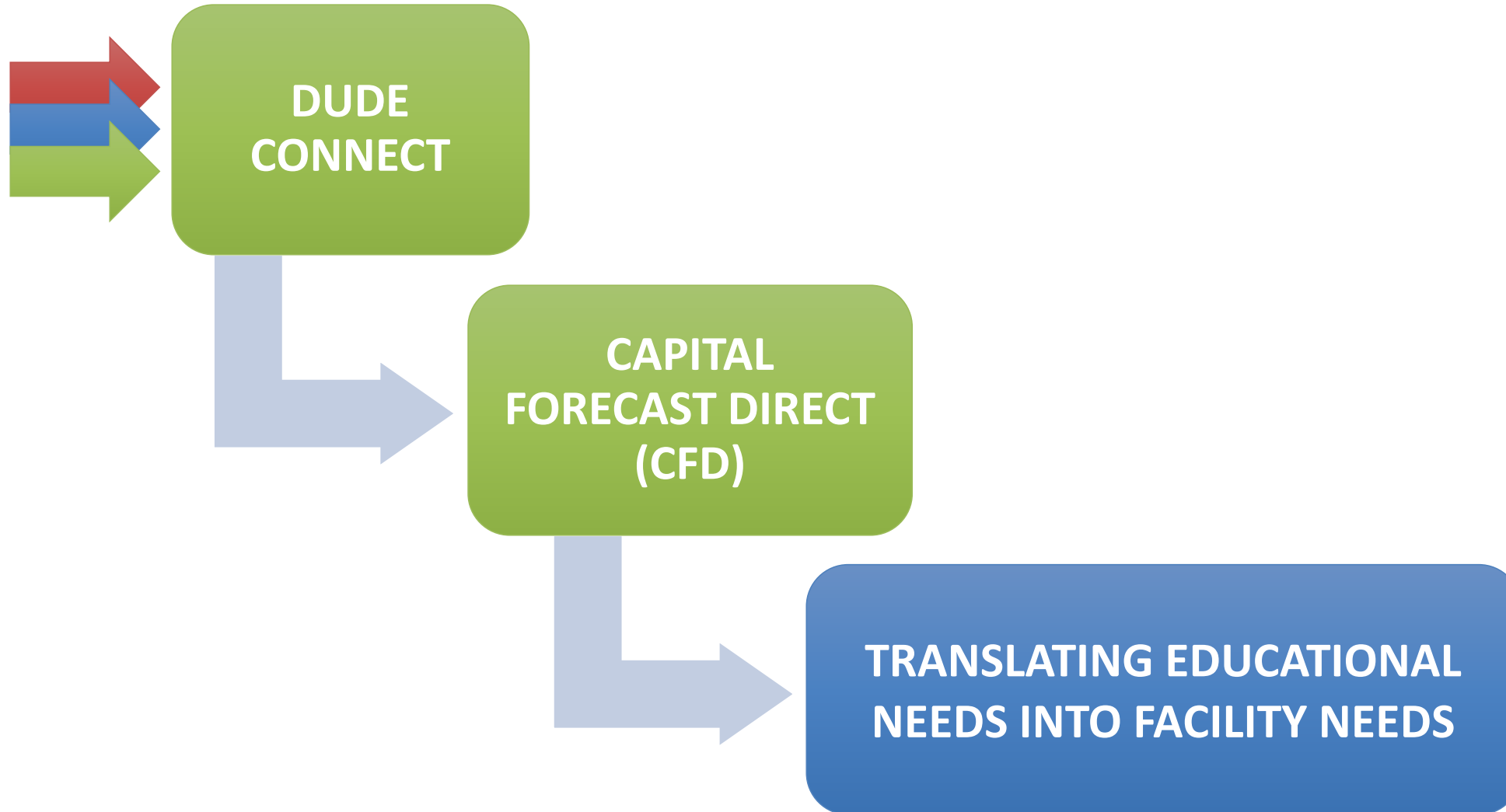
Information Database

Resources Readily Available

“Liquid” Content

Relevant
Consistent
Quality

Step 2: PRIORITIZE



Step 2: PRIORITIZE

CAPITAL FORECAST DIRECT (CFD)

- Uses information gathered in Dude Connect and from PM Program, CFD is a powerful tool that helps counties make data-driven decisions.
- Predicts and prioritizes asset maintenance based on accurate lifecycle information and best practices.
- Prevents unforeseen drains on county finances for greater control.
- Uses a facility condition index (FCI) to properly and equally evaluate buildings.
- Very transparent, justifies spending, creates a higher return on investments.

Step 2: PRIORITIZE

CAPITAL
FORECAST DIRECT
(CFD)

CREATE A SYSTEM

Add System

System | Roofing

Subsystem | EPDM (Rubber Membrane)

Unit Of Measure | Sq. Ft.

Cost & Life Cycle

Filtering

View Building Types starting with :

0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ALL

1 - 25 of total 57 listed

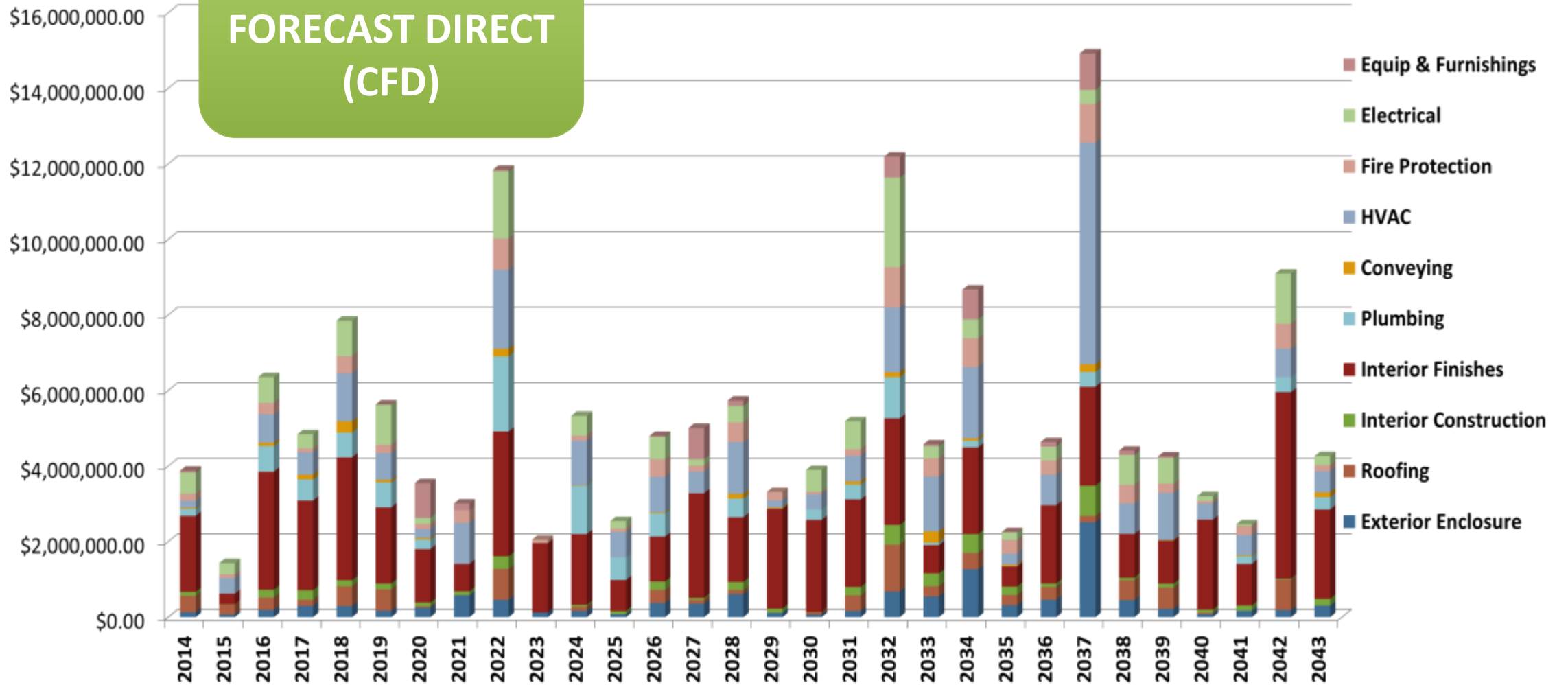
Items Per Page: 25 | 50 | 75 | 100

Previous 25 Next 25

Building Type	Dude Life Cycle (Yrs)	Life Cycle (Yrs)	Dude Cost/UOM	Cost/UOM	Assigned
Administration Office	20	20	\$3.52	3.52	<input type="checkbox"/>
Apartment	20	20	\$3.19	3.19	<input type="checkbox"/>
Athletic Center	20	20	\$9.24	9.24	<input type="checkbox"/>
Auditorium	20	20	\$8.28	8.28	<input type="checkbox"/>

Step 2: PRIORITIZE

CAPITAL FORECAST DIRECT (CFD)



Step 2: PRIORITIZE

CAPITAL
FORECAST DIRECT
(CFD)

CURRENT REPLACEMENT VALUE (CRV) AND FACILITY CONDITION INDEX (FCI)

Each school will be assigned an FCI score that will be continually updated as the facility ages and repairs are made/logged.

FCI equals the percent of the CRV that needs to be repaired or replaced.

Example County High School has \$8,500,000 in backlog of repairs

\$8,500,000 in repairs

÷ \$29,400,000 Current Replacement Value (SBA Formula)

= 0.289 x 100 (Index)

*= **28.9% Facility Condition Index** (The Lower the Better)*

Step 2: PRIORITIZE

TRANSLATING EDUCATIONAL NEEDS INTO FACILITY NEEDS

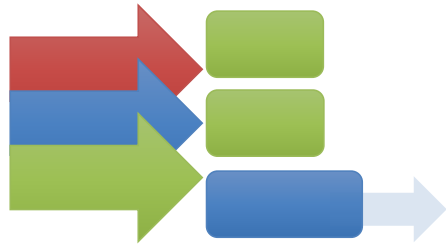
- Info & Data gathered in Dude Connect and CFD, each county must determine future facility needs.
- The **Architect / Engineer** Team may work as a resource consultant to this process.
- Plans in compliance with state and local requirements and will address the educational needs of the LEA.

Step 2: PRIORITIZE

TRANSLATING EDUCATIONAL NEEDS INTO FACILITY NEEDS

- Identify the best route to the future through a workable plan for handling priority rated, predictable situations, and anticipated changes.
- A CEFP defines ultimate goals for the LEA and accounts for the facilities required to help achieve these goals.
- The plan is materialized through several phases of construction and expansion or reduction and modification, if necessary.

Step 3: PLAN



- Cost estimating assistance provided may be by professional consultants **Architects & Engineers**



- Consider Educational Requirements by WVBOE and Funding Limitations of the SBA



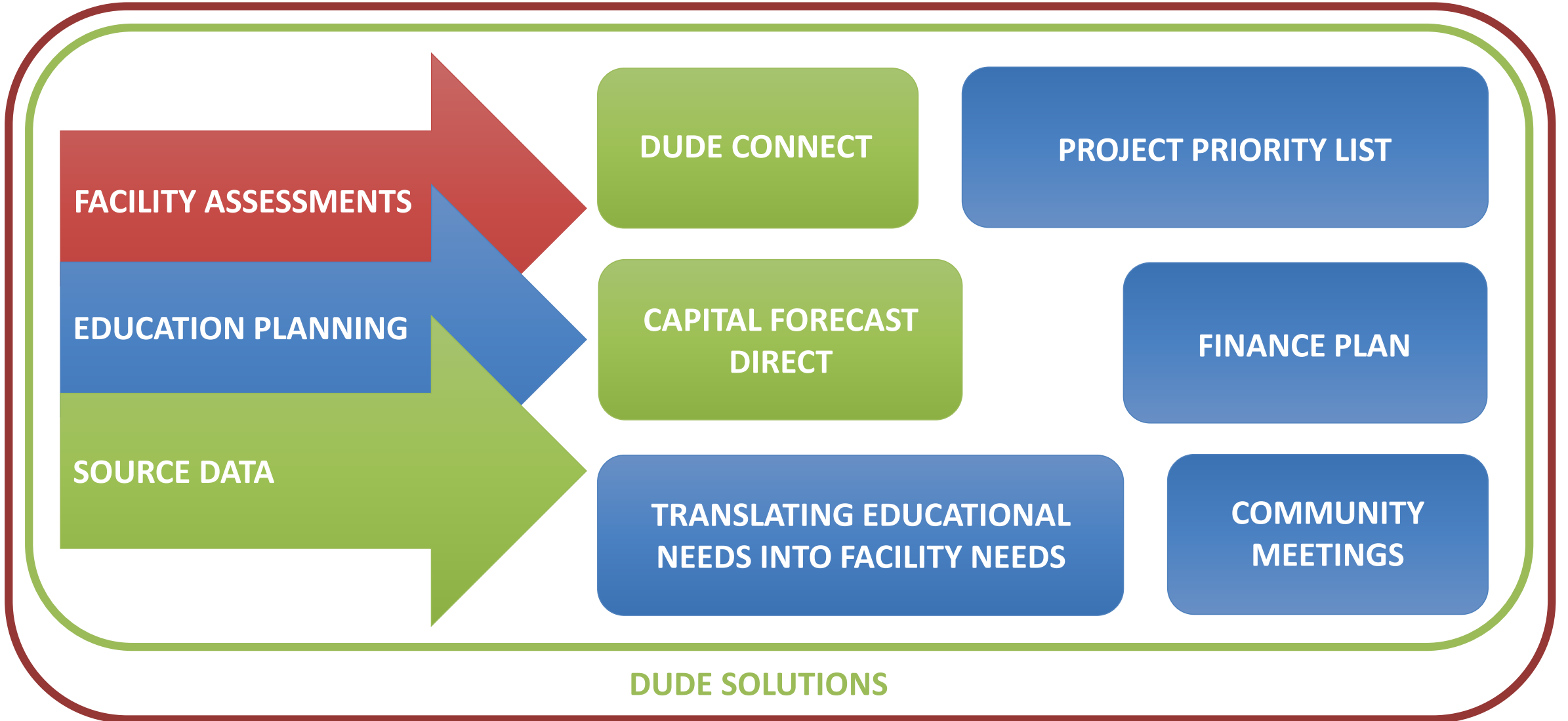
- Required by State Law

Additional Resources

ADDITIONAL RESOURCES

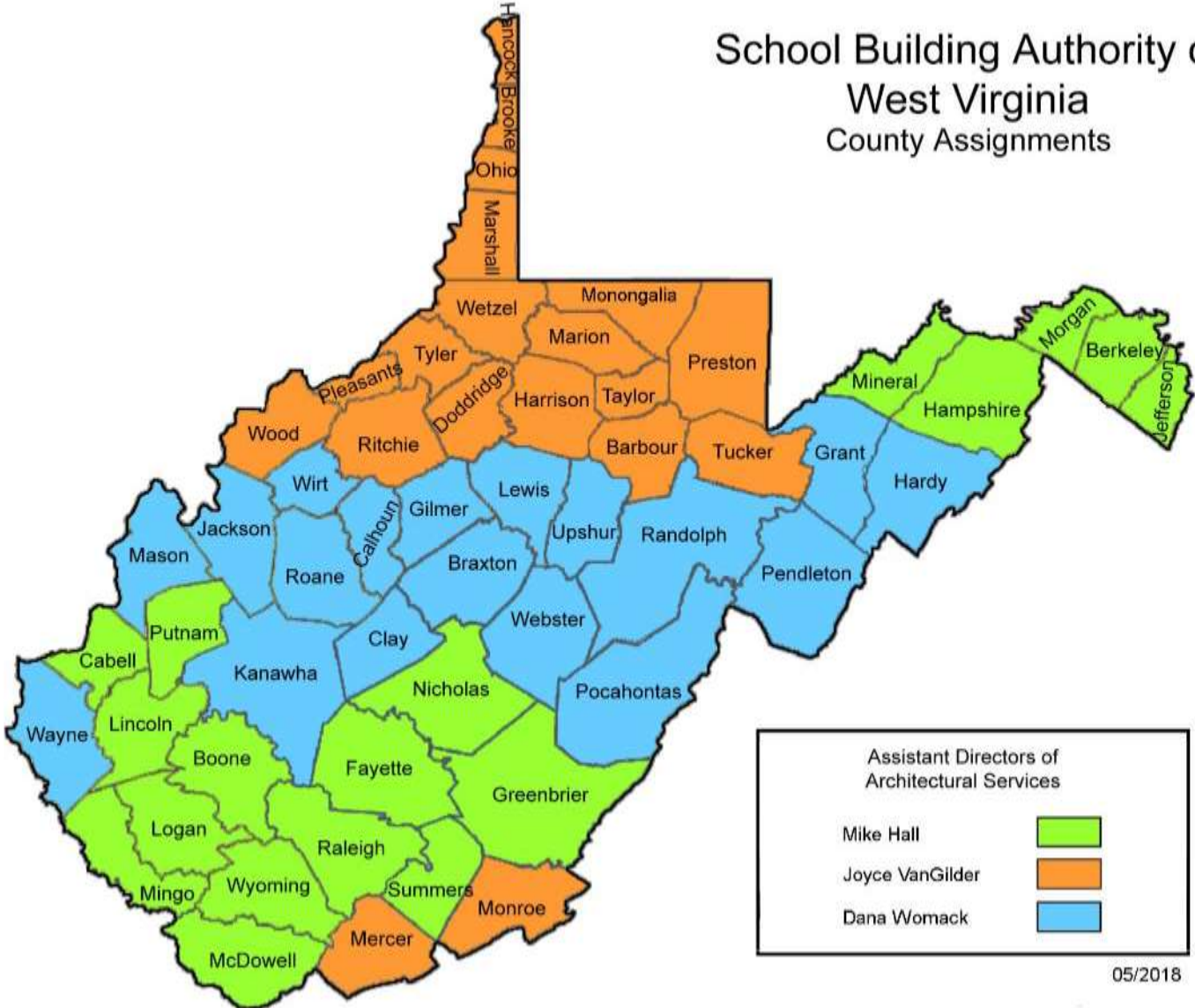
- Tools of Dude Intelligence Available
- Updates logged as they happen working with PM Module
- Amendments have Justification capabilities with Dude Intelligence
- Living, constantly updating & evolving electronic plan
- Stored safely on the “Cloud”

SUMMARY



SBA Staff – Architectural Services

School Building Authority of West Virginia
County Assignments



SBA Staff – County Representatives



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Call Us: (304) 558-2541

Projected Tasks & Timelines

- **January 2019** Project Statewide Kickoff
- **February 2019** Training Sessions, Facility Reviews, Educational Planning
- **January 2020** Begin “Translating Educational Needs” Section
- **April 2020** Project Priority List, Finance Plans, & Public Hearings
- **July 2020** Local Board Approval & Adoption
- **August 2020** Approval by WVDE & SBA
- **December 2020** Specific Needs Project Funding by SBA

Questions?

Thank You!

