

WILLISTON BASIN PUBLIC SCHOOL DISTRICT #7

BOARD MEETING - NOVEMBER 23, 2021, 4:30PM

FEDERAL CORONAVIRUS CTE CAPITAL PROJECT GRANT



JLG BNDRY architects STUDIO

WILLISTON BASIN CTE CENTER

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FEDERAL CORONAVIRUS CTE CAPITAL PROJECT GRANT

PURPOSE

INCREASE CAREER AND TECHNICAL EDUCATION THROUGH ESTABLISHMENT OF ADDITIONAL CAREER AND TECHNOLOGY CENTERS AND FACILITIES

DEADLINE

SUBMISSION: DECEMBER 1, 2021

APPROVAL: DECEMBER 31, 2021

FUNDS ALLOCATED BY: DECEMBER 31, 2022

FUNDS EXPENDED BY: DECEMBER 31, 2024

RANKING CATEGORIES

- 1) FACILITY AND GOVERNANCE
- 2) NEEDS ASSESSMENT AND PROGRAMMING
- 3) POST SECONDARY AND WORKFORCE PARTNERS
- 4) BUDGET PROPOSAL

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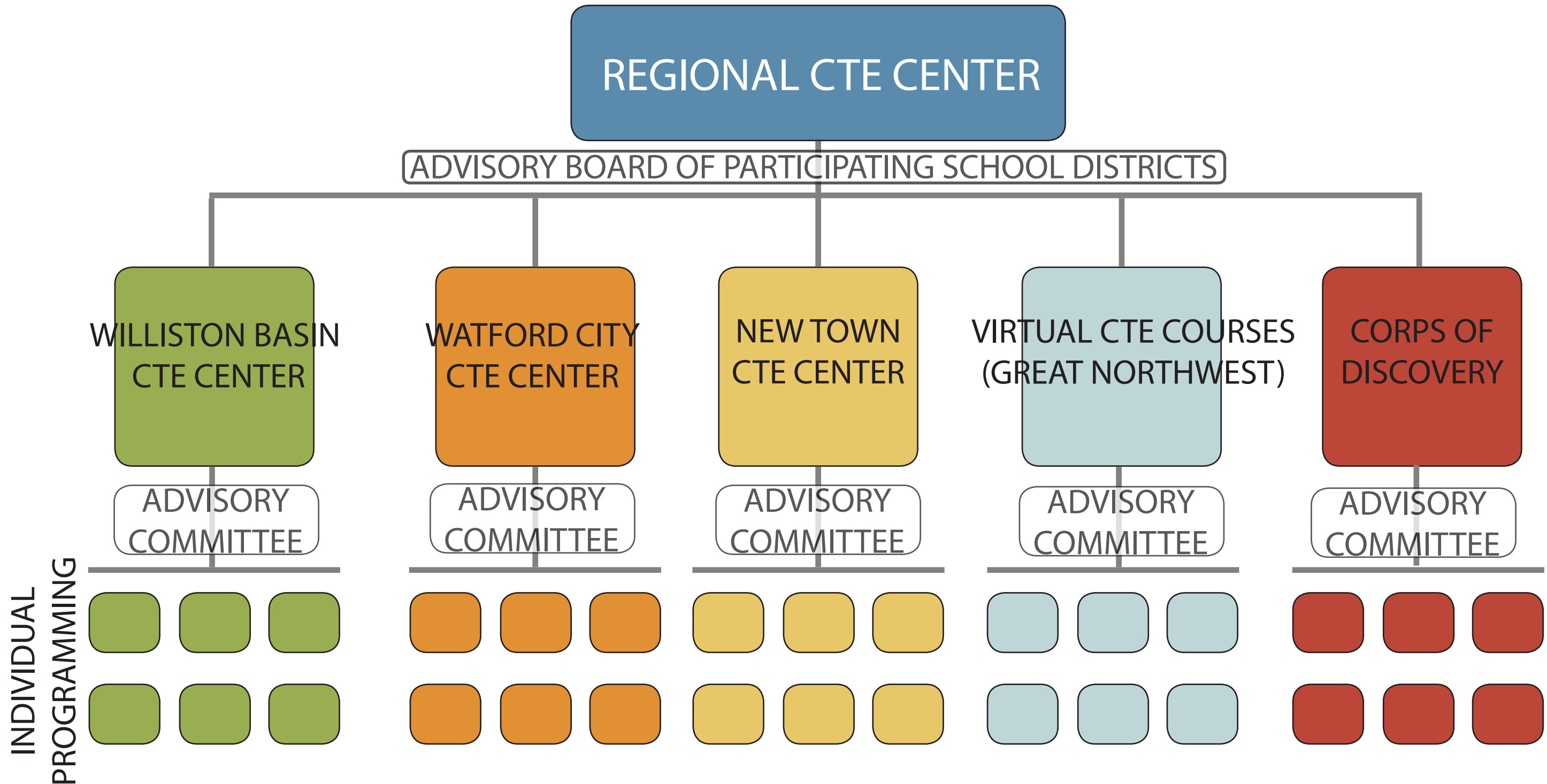


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PROPOSED GOVERNANCE



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Program Area & Space	QTY.	Proposed TS	Area	New Net SF	Exsit HS	Exsit CTE	Notes:
Agriculture							
Classroom	2	0	850	-	-	-	Utilizes shared flex classrooms
Welding Technology & Fabrication Lab	1	1	2,900	-	-	2,900	
Agriscience Lab	1	1	2,900	-	-	2,900	
Greenhouse	1	0	-	-	-	existing	
Tool Room	1	0	300	-	-	300	
Project/Material Storage	1	0	500	-	-	500	
Total Program Net SF/TS		2				6,600	
Automotive Technology							
Auto Trainer Lab	1	1	1,000	-	-	1,000	
Auto Tech Lab	1	1	3,200	-	-	3,200	
Diesel Tech Lab	1	1	1,600	-	-	1,600	
Tool Room	1	0	300	-	-	300	
Project/Material Storage	1	0	500	-	-	500	
Total Net SF/TS		3				6,600	
Aviation & UAS							
Aviation Technology	1	1	1,200	1,200	-	-	
Aviation Build Lab	1	1	1,200	1,200	-	-	
Tool Room	1	0	300	0	-	-	Included in above sf
Project/Material storage	1	0	500	0	-	-	Included in above sf
Total Net SF/TS		2		2,400			
Business Education							
Classroom	2	2	850	1,700	-	-	
Business Lab	1	1	1,200	1,200	-	-	
Total Net SF/TS		2		2,900			
Construction Trades							
Classroom	2	0	850	0	-	-	Utilizes shared flex classrooms
Building Trades Lab	1	1	3,400	3,400	-	-	
Building Trades Trainer Room	1	1	1,000	1,000	-	-	
Tool Room	1	0	300	0	-	-	
Project/Material Storage	1	0	500	0	-	-	
Total Net SF/TS		2		4,400			
Family and Consumer Science							
Classroom	4	0	850	0	-	-	Utilizes shared flex classrooms
Culinary Lab	1	1	1,000	1,000	-	-	Includes dry storage and walk in cooler/freezers
Foods & Nutrition Lab	1	1	1,200	1,200	-	-	Includes dry storage and walk in cooler/freezers
FACS Flex Lab	1	1	1,200	0	1,200	-	
Dry Storage	1	0	300	0	300	-	
Clothing & Textile Lab	1	1	1,200	0	1,200	-	
Washer and Dryer	1	0	200	0	200	-	
Total Net SF/TS		4		2,200	2,900		

Program Area & Space	QTY.	Proposed TS	Area	New Net SF	Exsit HS	Exsit CTE	Notes:
Health Sciences							
Classroom	3	0	850	0	-	-	Utilizes shared flex classrooms
Health Sciences Lab	1	1	1,000	1,000	-	-	
Health Science- storage	1	0	300	300	-	-	
CNA Lab	1	1	1,200	1,200	-	-	
CNA Lab- storage	1	0	300	300	-	-	
Total Net SF/TS		2		2,800			
Information Technology							
IT Lab	1	1	850	850	-	-	
IT Build Lab	1	1	1,200	1,200	-	-	
Total Net SF/TS		2		2,050			
Energy & Natural Resources							
Classroom	1	0	850	0	-	-	Utilizes shared flex classrooms
Storage	1	0	600	600	-	-	
Energy & Natural Resource Lab	1	1	1,200	1,200	-	-	
Total Net SF/TS		1		1,800			
Technology & Engineering							
Classroom	2	0	850	0	-	-	Utilizes shared flex classrooms
Storage	1	0	300	300	-	-	
Engineering Technology	1	1	1,000	1,000	-	-	
Total Net SF/TS		1		1,300			
Alternative school							
Classroom	4	4	850	3,400	-	-	
Admin Office	1	0	500	500	-	-	
Counselor/Social Worker	1	0	140	140	-	-	
Mothers/Baby Room	1	0	500	500	-	-	
Total Net SF/TS		4		4,540			
Community Ed							
Training Room	1	-	-	-	-	-	Utilizes CTE classrooms and Labs
Flex classroom/lab	1	-	-	-	-	-	Utilizes CTE classrooms and Labs
Total Net SF/TS							
Shared Space							
Flex Classroom	6	6	850	3,400	-	1,700	
Shared Computer Lab	1	1	700	0	-	700	
CTE Commons	1	0	3,000	3,000	-	-	
Medium Group Rooms	2	0	450	900	-	-	
Small Group Rooms	4	0	150	600	-	150	
Staff Collaboration	1	0	500	500	-	-	
Total Net SF/TS		7		8,400		2,550	
Total Facility Net Area/TS							
Equilant:	-	32		32,790	2,900	15,750	
Net to Gross 25%				40,988			

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FIRST LEVEL DIAGRAM- NEW CTE EXPANSION

SHARED SPACE	AVIATION & UAS	CONSTRUCTION TRADES	BUSINESS
1 CTE COMMONS 2 GROUP ROOM 3 FLEX CLASSROOM 4 INFORMAL LEARNING	7 AVIATION BUILD LAB 8 AVIATION TECHNOLOGY	12 BUILDING TRADES LAB	16 BUSINESS CLASSROOM 17 BUSINESS LAB
FAMILY & CONSUMER SCIENCE	TECHNOLOGY & ENGINEERING	ENERGY & NATURAL RESOURCES	ALTERNATIVE HIGH SCHOOL
5 CULINARY ARTS LAB 6 FOOD & NUTRITION LAB	9 ENGINEERING TECHNOLOGY LAB	13 ENERGY & NATURAL RESOURCE LAB	18 CLASSROOM 19 MOTHER/INFANT ROOM 20 ADMINISTRATION
	INFORMATION TECHNOLOGY	HEALTH SCIENCES	BUILDING SUPPORT
	10 IT LAB 11 IT BUILD LAB	14 CNA LAB 15 HEALTH SCIENCE LAB	B BUILDING SUPPORT SPACE

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SECOND LEVEL DIAGRAM- NEW CTE EXPANSION

<p>SHARED SPACE</p> <ul style="list-style-type: none"> 1 CTE COMMONS 2 GROUP ROOM 3 FLEX CLASSROOM 4 INFORMAL LEARNING <p>FAMILY & CONSUMER SCIENCE</p> <ul style="list-style-type: none"> 5 CULINARY ARTS LAB 6 FOOD & NUTRITION LAB 	<p>AVIATION & UAS</p> <ul style="list-style-type: none"> 7 AVIATION BUILD LAB 8 AVIATION TECHNOLOGY <p>TECHNOLOGY & ENGINEERING</p> <ul style="list-style-type: none"> 9 ENGINEERING TECHNOLOGY LAB <p>INFORMATION TECHNOLOGY</p> <ul style="list-style-type: none"> 10 IT LAB 11 IT BUILD LAB 	<p>CONSTRUCTION TRADES</p> <ul style="list-style-type: none"> 12 BUILDING TRADES LAB <p>ENERGY & NATURAL RESOURCES</p> <ul style="list-style-type: none"> 13 ENERGY & NATURAL RESOURCE LAB <p>HEALTH SCIENCES</p> <ul style="list-style-type: none"> 14 CNA LAB 15 HEALTH SCIENCE LAB 	<p>BUSINESS</p> <ul style="list-style-type: none"> 16 BUSINESS CLASSROOM 17 BUSINESS LAB <p>ALTERNATIVE HIGH SCHOOL</p> <ul style="list-style-type: none"> 18 CLASSROOM 19 MOTHER/INFANT ROOM 20 ADMINISTRATION <p>BUILDING SUPPORT</p> <ul style="list-style-type: none"> B BUILDING SUPPORT SPACE
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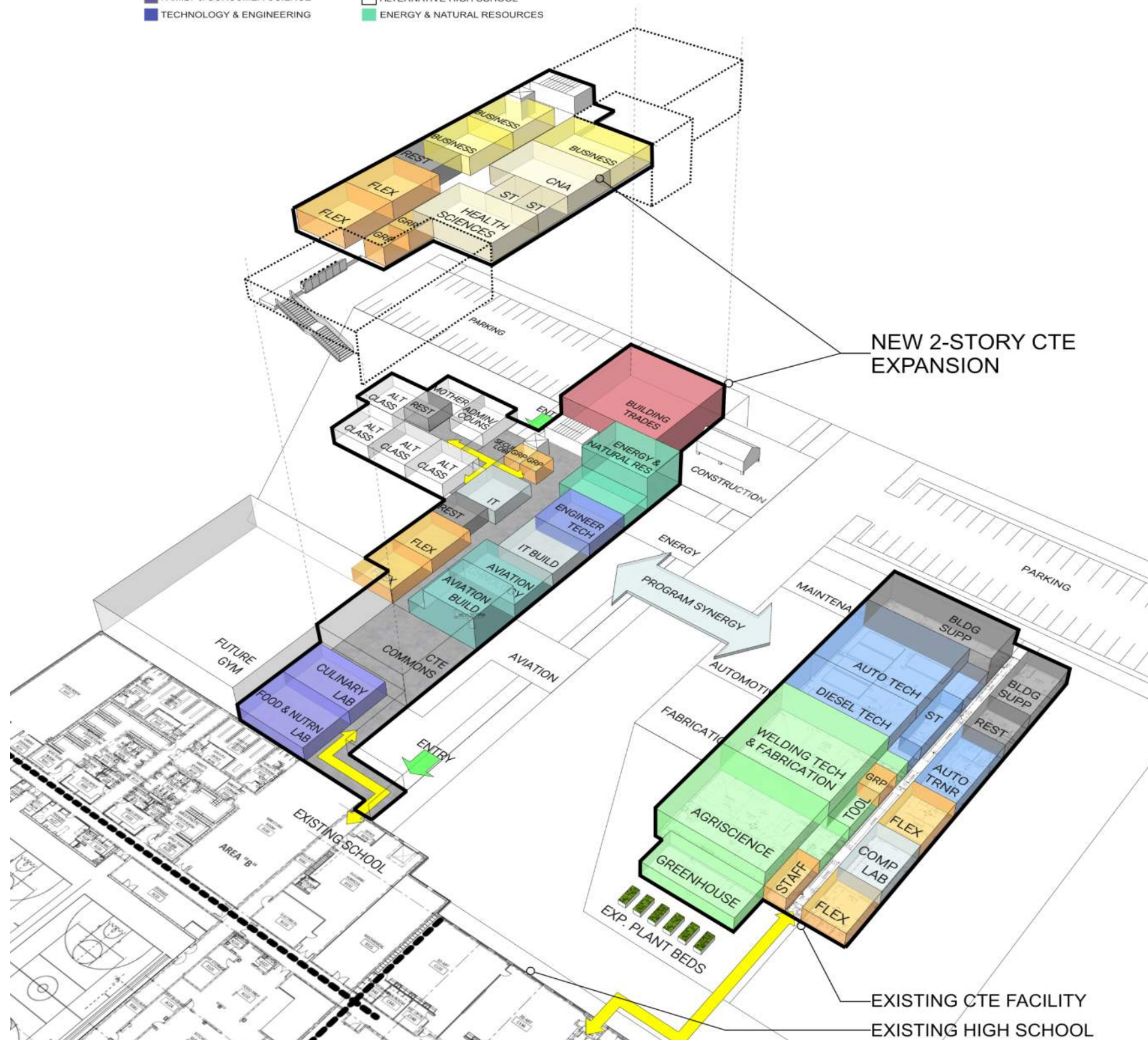
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KEY PROGRAM AREAS

- SHARED SPACE
- AVIATION & UAS
- AUTOMOTIVE TECHNOLOGY
- CONSTRUCTION TRADES
- FAMILY & CONSUMER SCIENCE
- TECHNOLOGY & ENGINEERING
- INFORMATION TECHNOLOGY
- HEALTH SCIENCE
- AGRICULTURE
- BUSINESS
- ALTERNATIVE HIGH SCHOOL
- ENERGY & NATURAL RESOURCES



EXISTING WHS IMPACTS

- INCLUDES **32** TEACHING STATIONS IN NEW CTE
- OFFSETS **6** CLASSROOMS IN MAIN EDUCATION WING
- OFFSETS **400-450** STUDENTS IN EDUCATION WING PER PERIOD
- BRINGS AN EXPANDED ALTERNATIVE ED PROGRAM TO SITE
- ALLOWS FOR ADDITIONAL COMMONS AREA

ADDITIONAL STAFF CONSIDERATIONS

BUILDING ADMINISTRATION:

- (1) CTE DIRECTOR/ALTERNATIVE PROGRAM DIRECTOR
- (1) ADMIN ASSISTANT
- (1) COUNSELOR/SOCIAL WORKER(ALTERNATIVE SCHOOL)

INSTRUCTORS

- (1) AG
- (1) AUTO/DIESEL
- (1) ENGINEERING
- (1) IT
- (1) BUILDING TRADES
- (2) ALT ED STAFF

(2) CUSTODIANS

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COMMUNITY PARTNERS



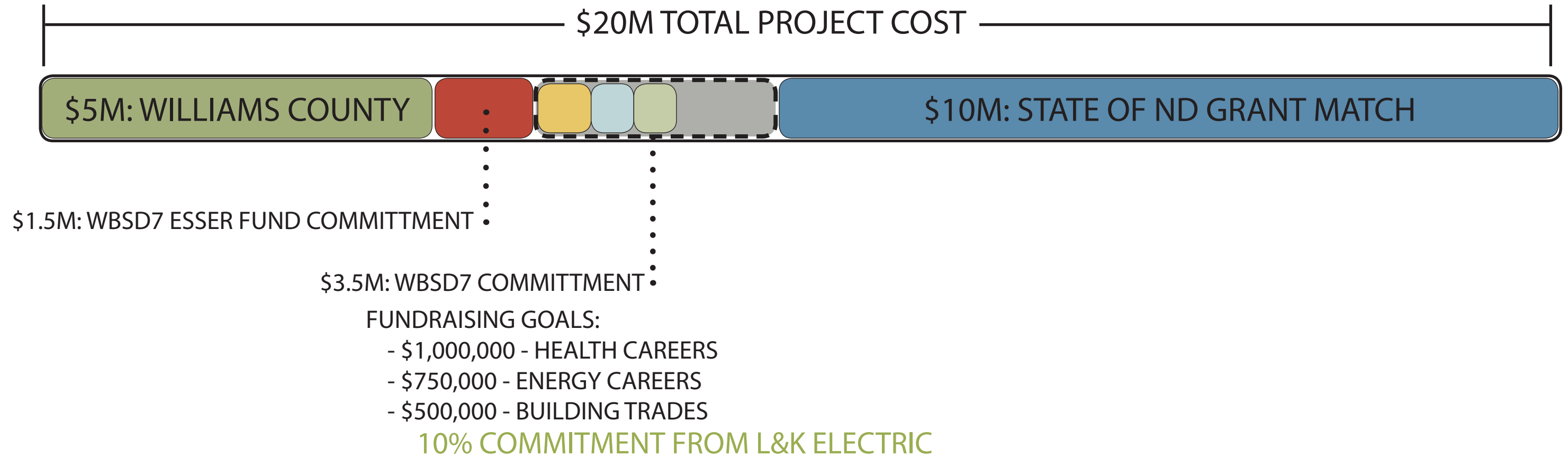
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BUDGET



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CONSTRUCTION COSTS			
	Cost/SF	Area (SF)	
New Construction			
General Construction	\$170	41,000	\$6,970,000
Mechanical Construction	\$65	41,000	\$2,665,000
Electrical Construction	\$45	41,000	\$1,845,000
Renovation			
Existing CTE reno space	\$35	10,000	\$350,000
Existing Main Building	\$65	4,500	\$292,500
		SUBTOTAL	\$12,122,500
Site			
Parking Lot			\$225,000
Utilities			\$75,000
Misc Site Improvements			\$25,000
		SUBTOTAL	\$325,000
Contingency	15%		\$1,867,125
Escalation for 2023 Start	10%		\$1,244,750
		SUBTOTAL	\$4,356,625
TOTAL CONSTRUCTION COSTS			\$16,804,125
SOFT COSTS (OWNER)			
Professional Fees			\$1,008,248
Reimbursable Expenses			\$25,000
Furniture, fixtures and equipment (FFE)			\$550,000
Technology Security and Equipment			\$500,000
CTE Equipment			\$1,000,000
Site Survey			\$12,000
Geotechnical Report			\$20,000
Special Inspections and Testing			\$60,000
Permits			\$20,000
TOTAL SOFT COSTS			\$3,195,248
TOTAL PROJECT COST			\$19,999,373

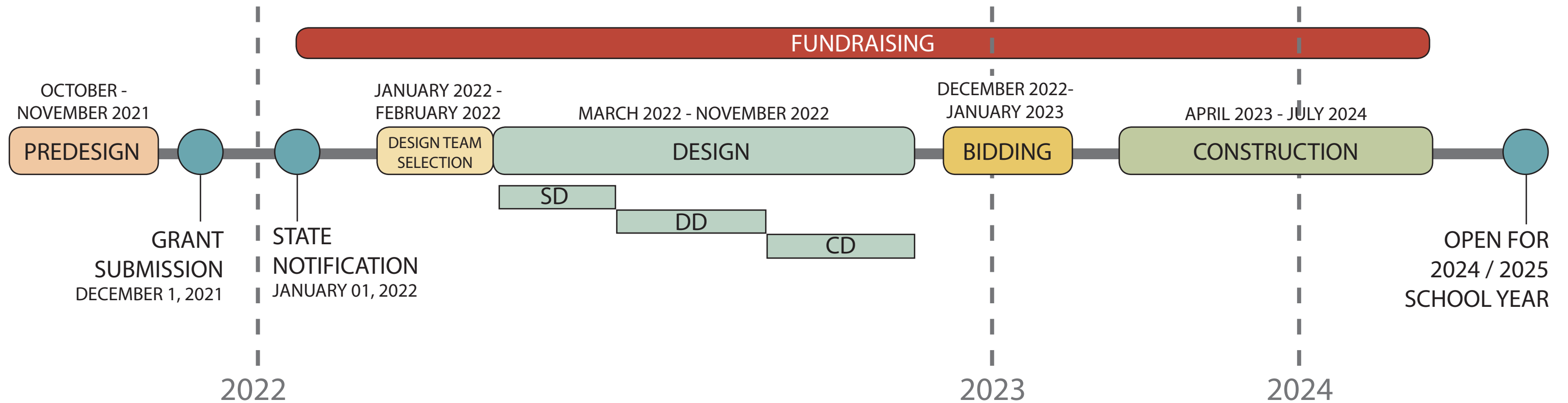
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SCHEDULE



TODAY'S ENROLLMENT:
5,136 TOTAL DISTRICT ENROLLMENT
- WHS 1,286 ENROLLMENT

RSP PROJECTIONS:
5,506 TOTAL DISTRICT ENROLLMENT
- WHS 1,499 ENROLLMENT

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