



REINVENTION ROADMAP

Planning Regions & Case Study

April 15, 2019 Board Work Session



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AGENDA

I. Planning Regions Development

A. Approach

B. Progressions

C. Draft Planning Regions

II. Case Study Methodology

A. Development

B. Flow Chart

C. Planning Area



REINVENTION ROADMAP

PLANNING REGIONS DEVELOPMENT



PLANNING REGIONS

A geographic area defined by a group of attendance areas. Each scenario will be tied to a planning region.

Each planning region is expected to comprise at least eight schools.

APPROACH

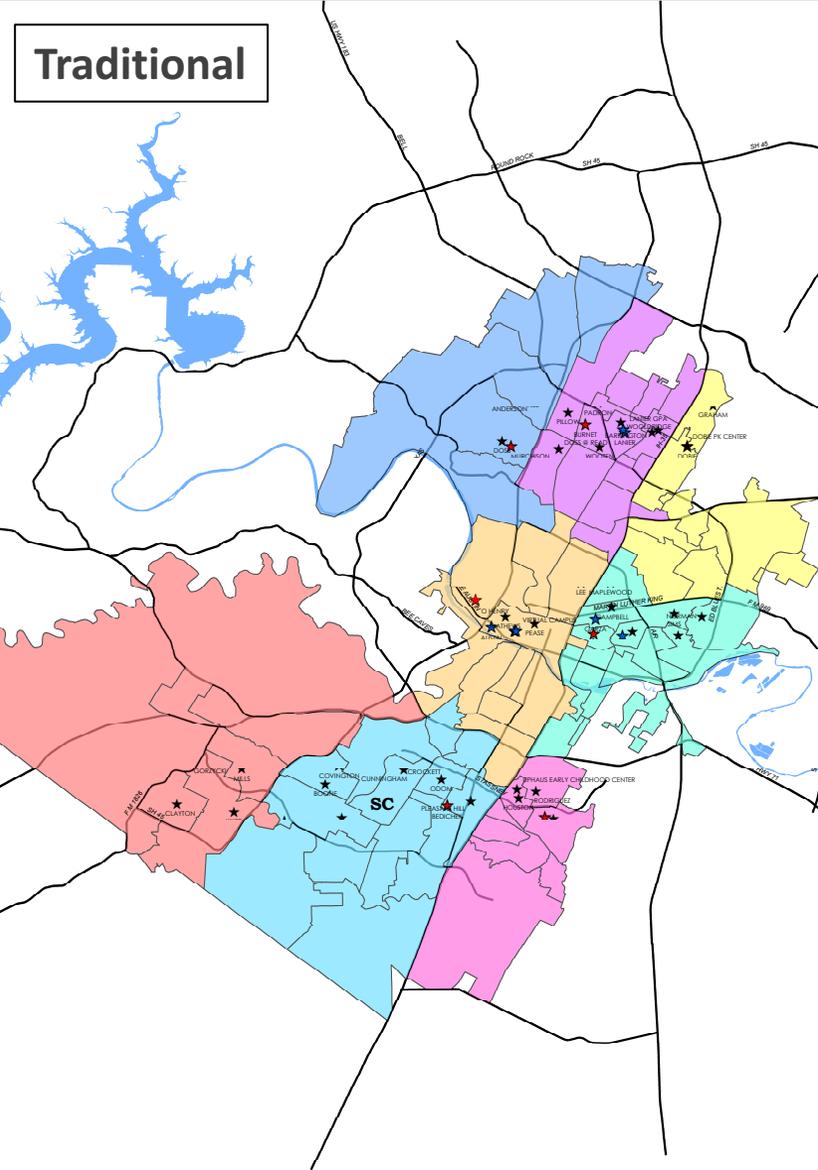
Objectives:

- Not confined by traditional thoroughfares
- Do not have to align to feeder patterns or vertical teams
 - Consider east to west alignment
- Balanced across the district
 - 10-14 elementary schools per region



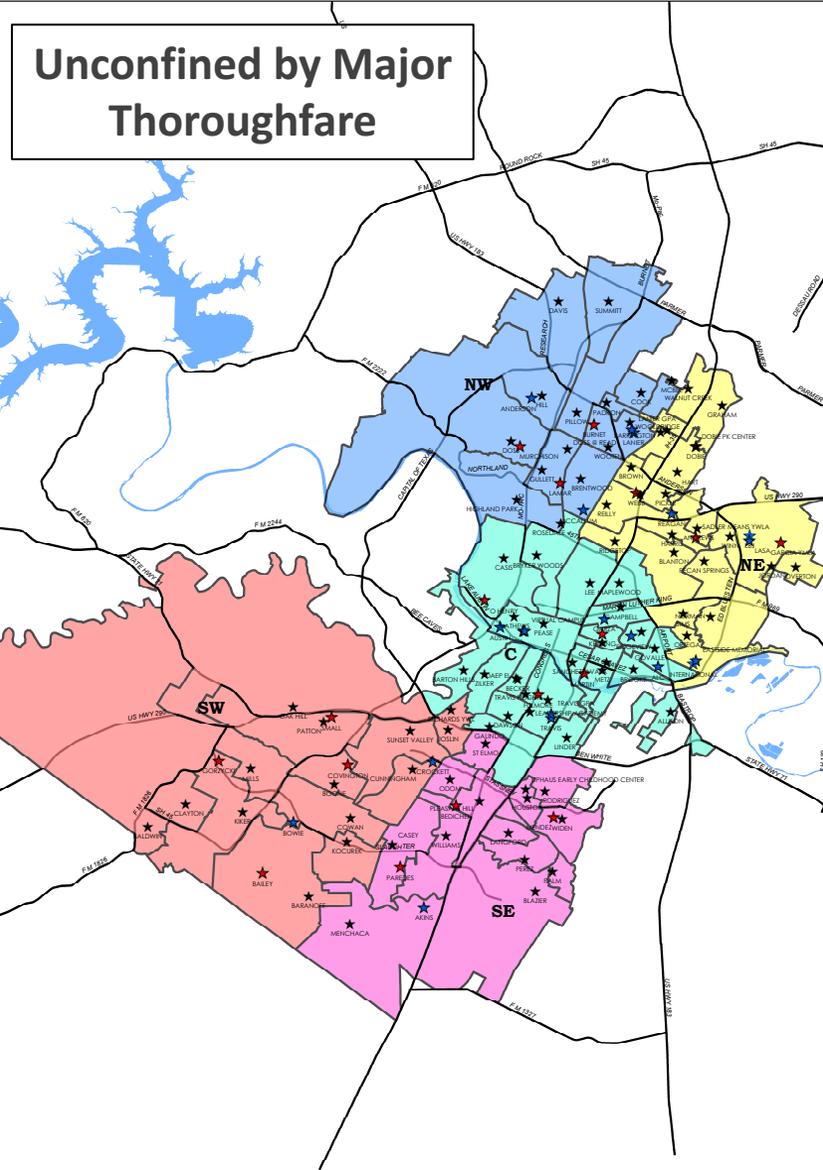
PLANNING REGIONS PROGRESSIONS

Traditional

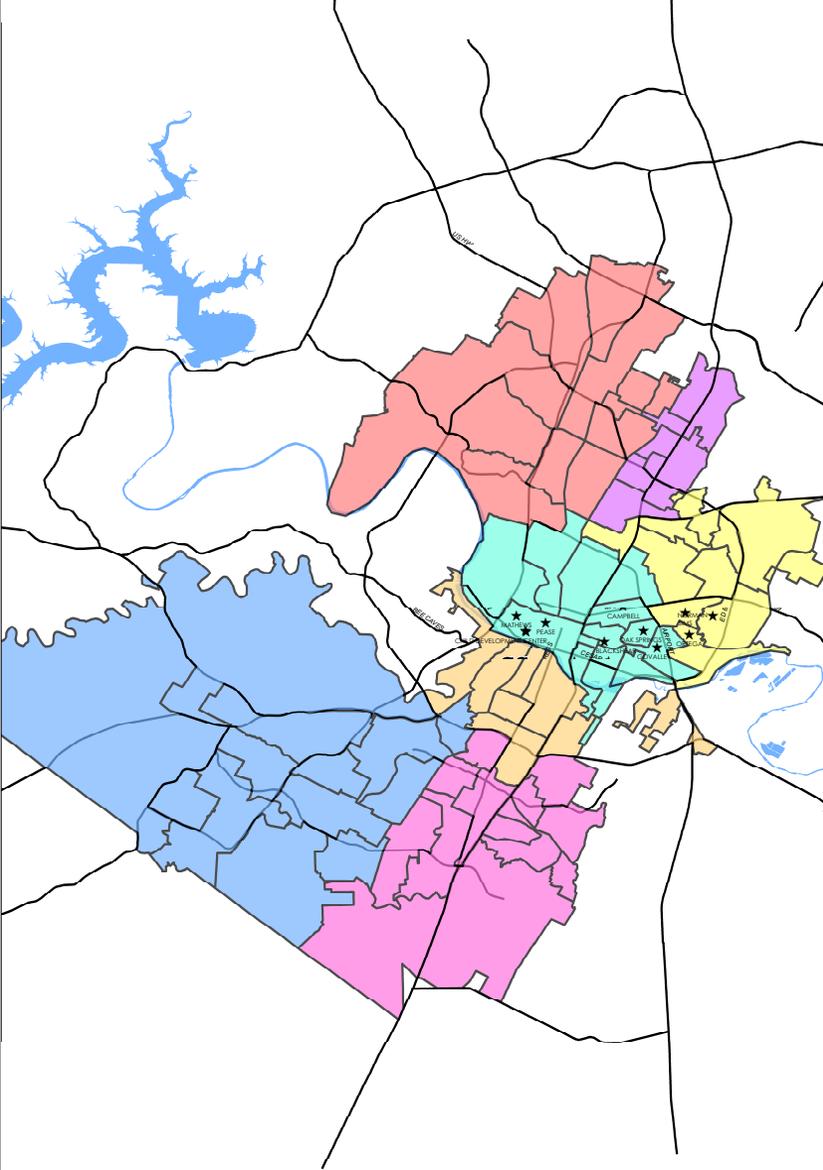


Draft Map 1

Unconfined by Major Thoroughfare

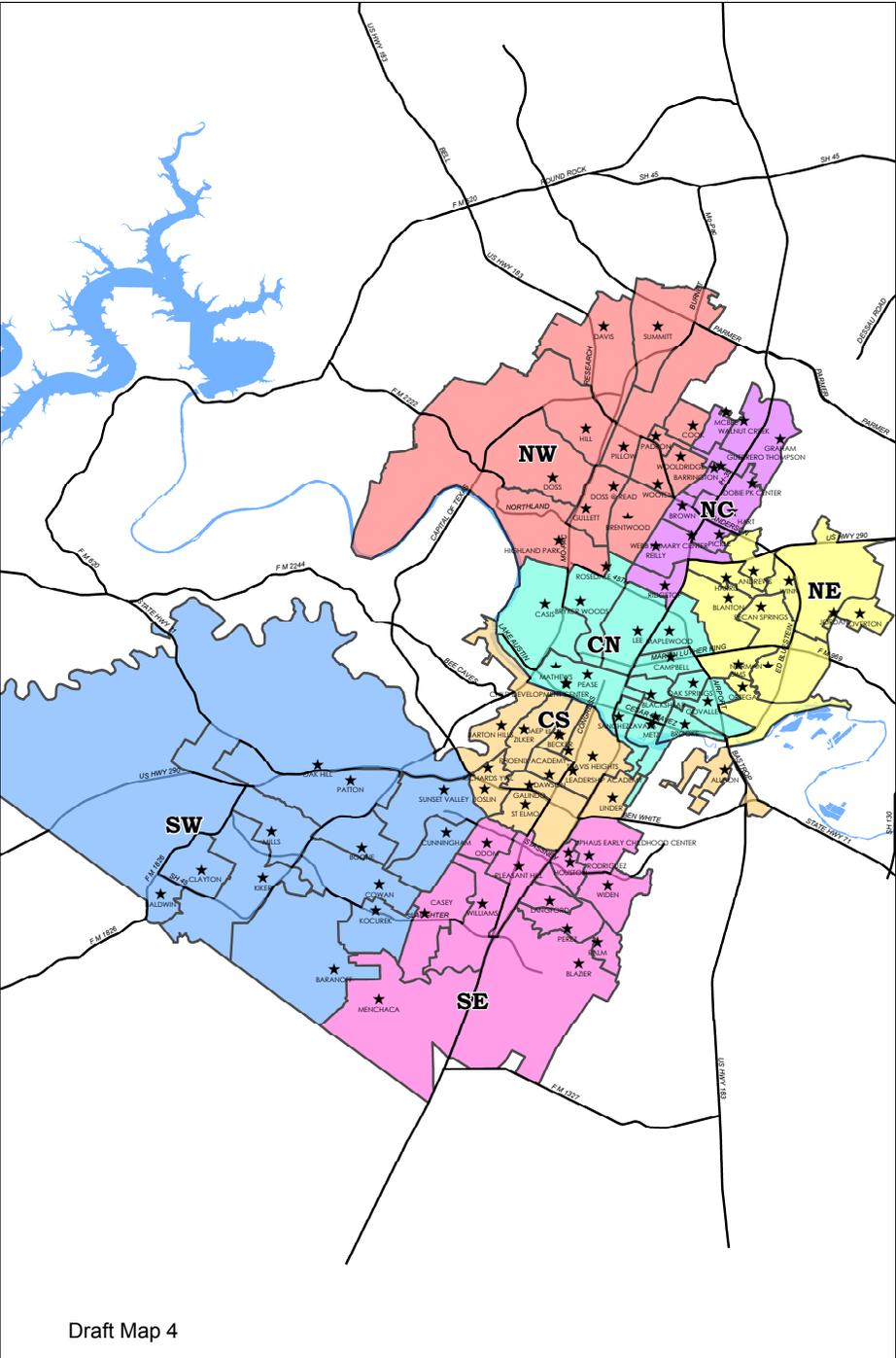


Draft Map 2



Draft Map 3

DRAFT REINVENTION PLANNING REGIONS



Draft Map 4



REINVENTION PLANNING REGIONS

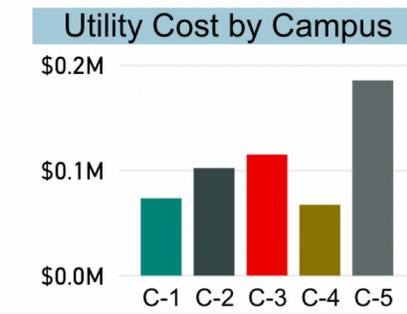
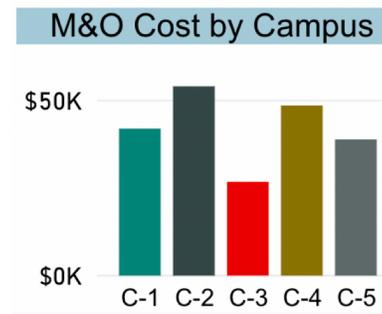
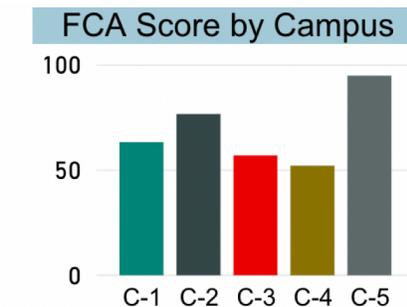
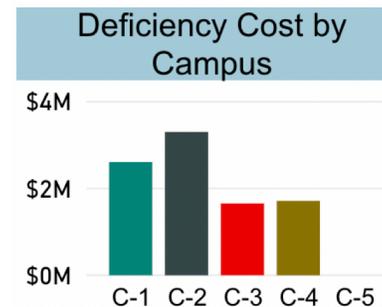
OPERATIONS & FINANCE SNAPSHOT

CS-R1 Campuses	Average of FCA	Average of ESA	Deficiency Cost	M&O 17-18 Total	Utility 17-18 Total	Permanant Capacity 2018	Enrolled 17-18	Utilization 17-18	2017 Bond	Portable Count	Building Square Feet
C-1	63.38	89	\$2.61M	\$0.04M	\$0.07M	486.00	194	37.05%	\$0.67M	0	61.79K
C-2	76.75	67	\$3.31M	\$0.05M	\$0.10M	731.50	802	109.64%	\$0.89M	5	72.15K
C-3	57.09	63	\$1.66M	\$0.03M	\$0.12M	711.00	687	96.62%	\$1.98M	7	81.04K
C-4	52.17	53	\$1.72M	\$0.05M	\$0.07M	374.00	282	75.40%	\$2.02M	3	45.63K
C-5	95.00	95	\$0.00M	\$0.04M	\$0.19M	870.00	714	82.07%	\$33.30M	8	103.00K
Total	68.88	73	\$9.29M	\$0.21M	\$0.54M	3,172.50	2679	80.16%	\$38.87M	23	363.61K

ACADEMIC SNAPSHOT

Ex. Academic Programs:

- Multilingual Education
- SEL & Whole Child
- Special Education
- Early Childhood
- Career & Technical Education
- Fine Arts
- Athletics



REINVENTION ROADMAP

CASE STUDY METHODOLOGY



CASE STUDY

A research method performed before implementing a large-scale investigation. It involves an in-depth, detailed examination of the methodology. The basic function is to help identify questions and select types of measurement prior to scenario development.

DEVELOPMENT

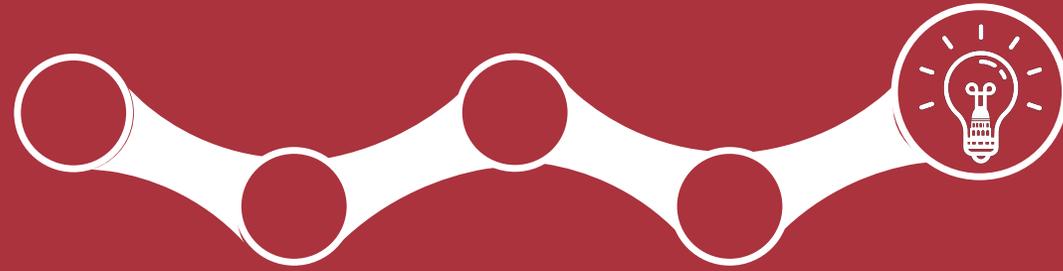
Objectives:

- Based on Guiding Principles
- Decision-Based vs. Opportunity
- Limit modifiers or weights to analytical data
- 2 - Test process



REINVENTION ROADMAP

FLOWCHART



CASE STUDY METHODOLOGY FLOWCHART

Data Organized by Region



Establish Regional Targets



Develop Scenarios by Region



Identify KPI's by Region



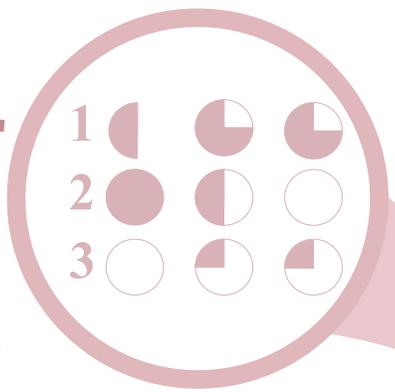
Regional Workshops



TEST one
Quantitative



AUGUST: Final Analysis Yields Scenario Recommendations (SR)



TEST two
Qualitative



Model Data, Evaluate & Refine Scenarios

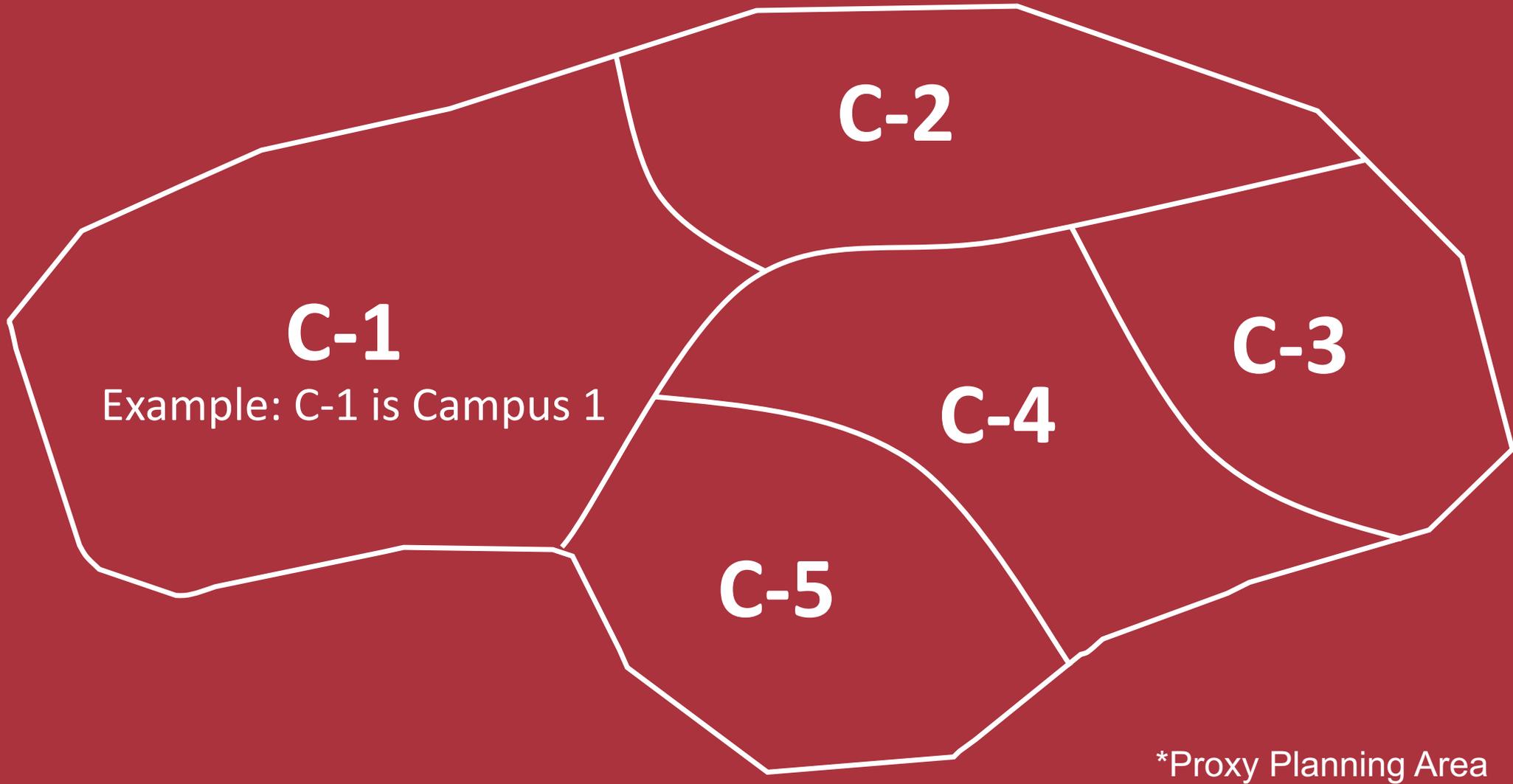


OCTOBER: Board Approves Scenarios



Regional Workshops

Develop Scenario Options



CS-R1: CASE STUDY - REGION ONE



CASE STUDY FLOWCHART



Data Organized by Region

Guiding Principle II

CASE STUDY REGION ONE



EXISTING DATA	CS-R1	CS-R2	CS-R3
Academic Accountability Rating	89	92	87
Average Teacher Experience	6.2 years	4.7 years	3.5 years
Teacher Turnover Rate	1.2	1.3	1.6
Culture/Climate Survey Rating	89%	92%	83%
Average of FCA	68.88	47.53	41.73
Average of ESA	73.4	62.6	61.8
Deferred Maintenance	\$9.28M	\$12.3M	\$14.26M
M&O 17-18 Total	\$0.21M	\$0.25M	\$0.87M
Utility 17-18 Total	\$0.54M	\$0.51M	\$0.63M
Capacity 2018	3,172	2,512	2,956
Enrolled 17-18	2,679	2,101	2,770
2017 Bond	\$38.8M	\$7.6M	\$1.66M
Portable Count	23	16	27



CASE STUDY FLOWCHART



Identify KPI's by Region

Guiding Principles II & IV

ACADEMICS

- Measured Efficiencies**

 - Best practices
 - Industry standards

REGIONAL KPI's	CS-R1
% College, Career, Military Readiness	67%
% Reading on Grade Level by End of 2nd Grade	61%
Positive Culture/Climate	92%
Wrap-Around Support Services	1
% of A & B Schools	73%
% of Students Attending an A or B school	68%
Increase the Comprehensive Menu of Programs to Appeal to Diverse Student Interests that Mitigate Programmatic Deserts	TBC

*Sample KPI's

**Proxy data



CASE STUDY FLOWCHART



Identify KPI's by Region

Guiding Principles II & IV

HUMAN CAPITAL

Measured Efficiencies

- Best practices
- Industry standards

REGIONAL KPI's	CS-R1
TELL Survey	82%
Parent Survey	94%
Teacher Turnover	1.3 years
Average Teacher Experience	6.2 years
CARES Campus Customer Service Evaluation Scores	92%

*Sample KPI's

**Proxy data



OPERATIONS & FINANCE CASE STUDY FLOWCHART



Identify KPI's
by Region

Guiding Principles II & IV

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OPERATIONS & FINANCE

Measured Efficiencies

- Best practices
- Industry standards

REGIONAL KPI's	CS-R1
Deferred Maintenance by Sq. Ft.	\$25.55
Deferred Maintenance by Student	\$3,467.57
M&O by Sq. Ft.	\$0.58
M&O by Student	\$78.54
Utility by Sq. Ft.	\$1.50
Utility by Student	\$203.41
2017 Bond by Sq. Ft.	\$107
2017 Bond by Student	\$14,507
Utilization 17-18	85%

*Sample KPI's

**Does not include labor.



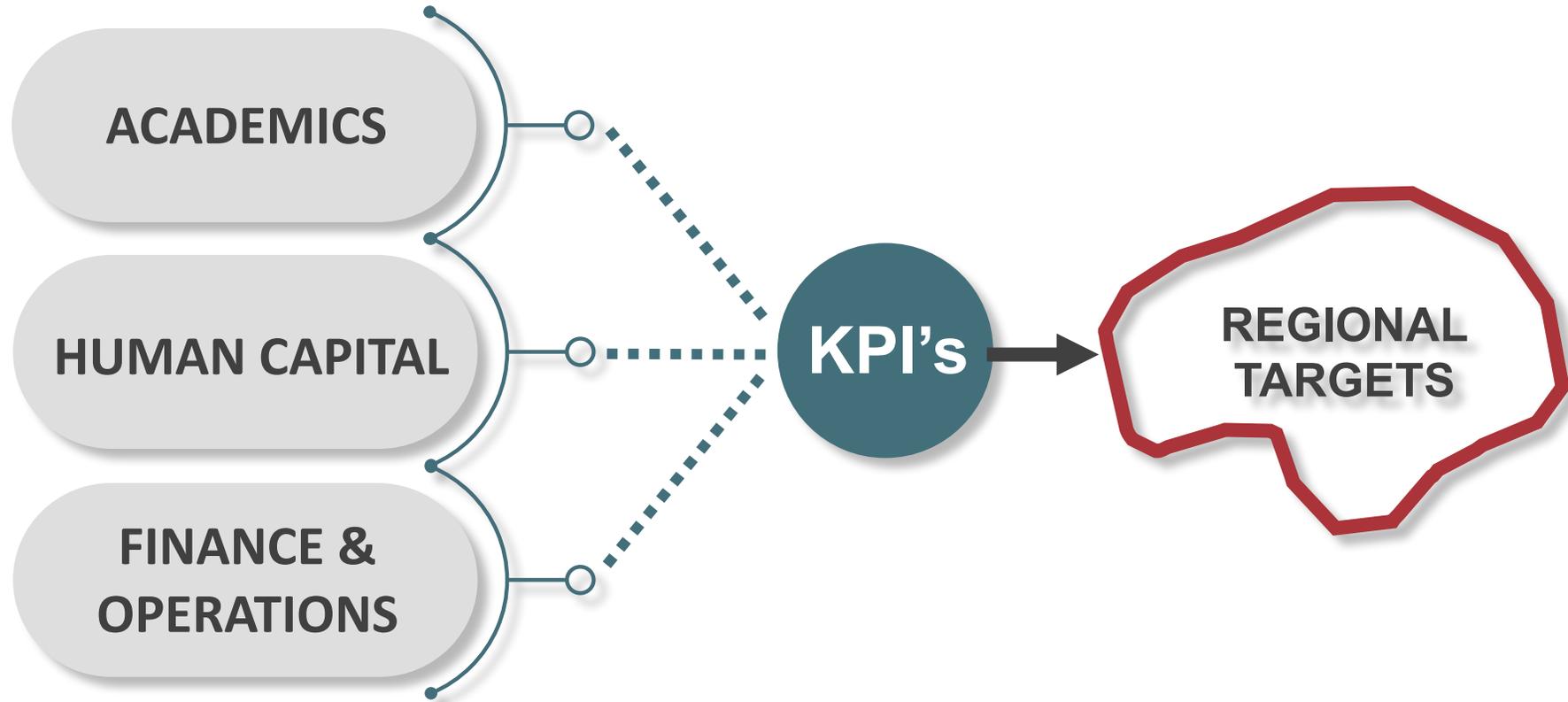
CASE STUDY FLOWCHART



**Establish
Regional Targets**

Guiding Principles I, II & IV

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CASE STUDY FLOWCHART



Region by Region Workshops

Guiding Principles I - IV

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Regional scenarios are born out of the workshops.
Multi-day workshops are led by department leaders.



CASE STUDY FLOWCHART



Develop Scenarios by Region

Guiding Principles I - IV

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Targets have been developed in the workshops.
The workshops yield *Scenario Options*.

Regional Data	CS-R1	R1_SO_A	R1_SO_B	R1_SO_C
Average of FCA	68.88	73.05	71.82	66.91
Average of ESA	73.4	78.5	76	75
Deficiency Cost	\$9.28M	\$7.57M	\$7.63M	\$5.98M
M&O 17-18 Total	\$0.21M	\$0.16M	\$0.18M	\$0.15M
Utility 17-18 Total	\$0.54M	\$0.47M	\$0.42M	\$0.44M
2017 Bond	\$38.86M	\$36.84M	\$36.88M	\$37.97M
Permanent Capacity '18	3172	2798	2461	2441
Enrolled 17-18	2679	2679	2679	2679
Utilization 17-18	76.04%	95.72%	108.83%	109.75%
Portable Count	23	20	16	18
Building Square Feet	363,612	317,983	282,570	291,462

*Proxy data

EXAMPLE:
R1_SO_A
Region One, Scenario Option A



CASE STUDY FLOWCHART




Test One Quantitative

Guiding Principles II - IV

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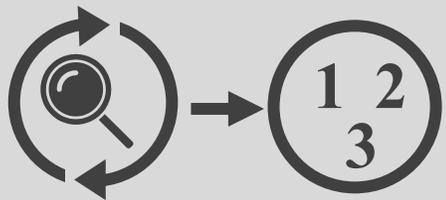
Regional Data	No Change	Scenario A	Scenario B	Scenario C
Average of FCA	68.88	73.05	71.82	66.91
Average of ESA	73.4	78.5	76	75
Deficiency Cost	\$9.28M	\$7.57M	\$7.63M	\$5.98M
M&O 17-18 Total	\$0.21M	\$0.16M	\$0.18M	\$0.15M
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Enrolled 17-18	2679	2679	2679	2679
Utilization 17-18	76.04%	95.72%	108.83%	109.75%
Portable Count	23	20	16	18
Building Square Feet	363612	317983	282570	291462

KPI's	No Change	Scenario A	Scenario B	Scenario C
Deficiency By Sq. Ft.	\$25.55	\$23.82	\$27.01	\$20.53
Deficiency by Student	\$3,467.57	\$2,827.37	\$2,848.76	\$2,233.79
M&O by Sq. Ft.	\$0.58	\$0.51	\$0.65	\$0.54
M&O by Student	\$78.54	\$60.41	\$68.53	\$58.35
Utility by Sq. Ft.	\$1.50	\$1.50	\$1.52	\$1.52
Utility by Student	\$203.41	\$178.20	\$160.35	\$165.17
2017 Bond By Sq. Ft.	\$107	\$116	\$131	\$130
2017 Bond by Student	\$14,507	\$13,755	\$13,767	\$14,174

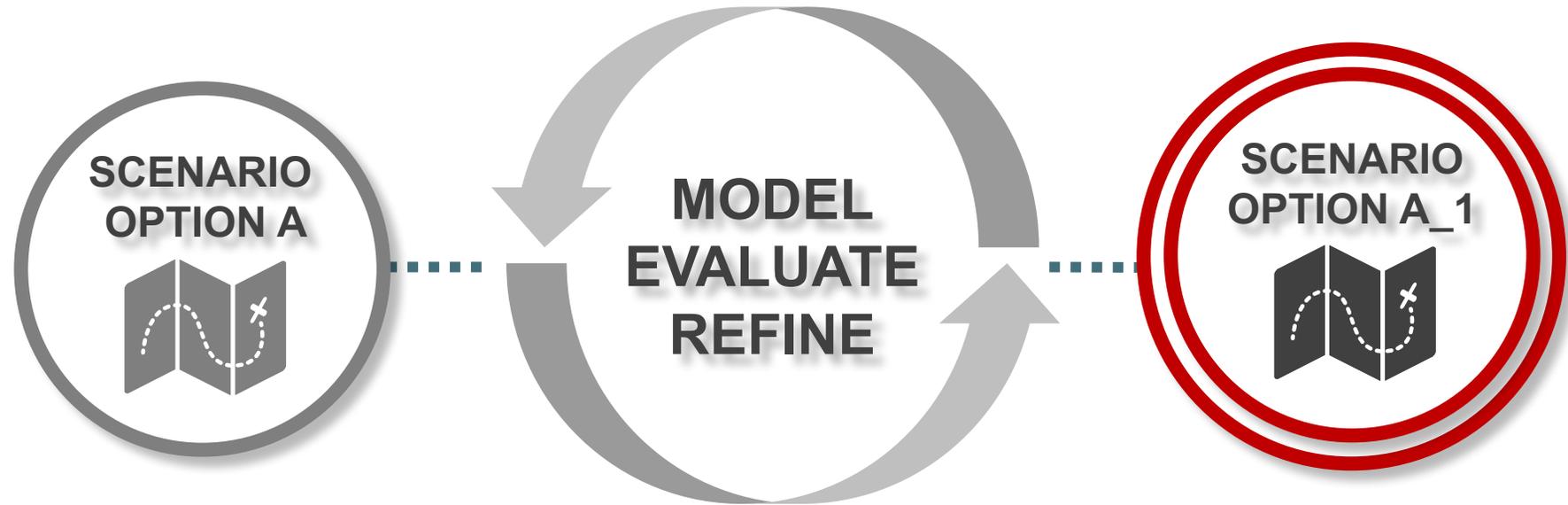
*Proxy data **Operations and Finance KPI example.**
Academics and Human Capital also completed at this stage.
Scenario options are tested against our regional targets.



CASE STUDY FLOWCHART



**Model Data,
Evaluate, Refine &
Develop Scenarios**



CASE STUDY FLOWCHART



Test Two Qualitative

Establish qualitative evaluation methodology tied to guiding principles. Establish preliminary range of understanding. Develop test two rubric.

Examples may include:

- Increase comprehensive menu of programming.
- Optimize opportunities for socio-economic diversity.



CASE STUDY FLOWCHART



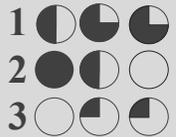
Region by Region Workshops

Guiding Principles I - IV

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CASE STUDY FLOWCHART



Final Analysis Yields Scenario Recommendations

Guiding Principles I - V

Qualitative Evaluation Criteria Set Through Regional Workshops

R1_SO_A_1	●	●	◐	●
R1_SO_B_1	◐	◐	◐	●
R1_SO_C_1	◐	○	◐	◐
R1_SO_D_1	◐	○	◐	○

*Proxy data





QUESTIONS

