Saint Paul Public Schools Facilities Master Planning for 21st Century Learning

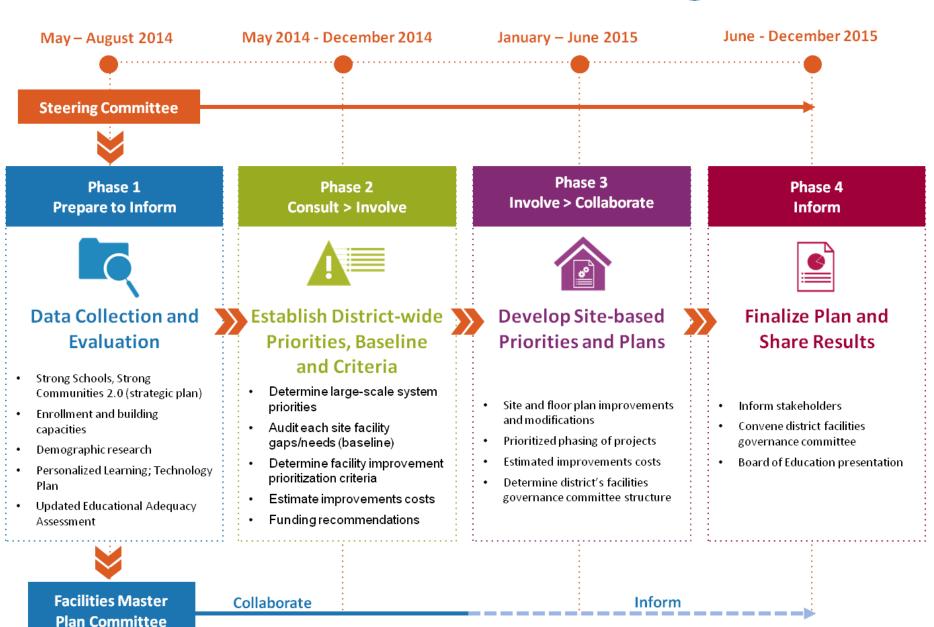


Facility Master Plan Committee:

Workshop #6: Planning Parameters



Facilities Master Plan - Planning Process



About today

 This marks the **Culmination** of developing a district-level framework for the master plan and the **Critical transition** to the development of school-by-school plans.

 We'll discuss prompts to action based on facilities data and strategic direction of the District.

Together we'll be creating strategic Planning
 Parameters for the Superintendent consideration.



Budget Prioritization Survey



Within the next hour or two,
 please take our short Budget
 Prioritization Survey. It's 7
 questions long and we'll discuss it at the end of the meeting.

http://bit.ly/1CWzQ37



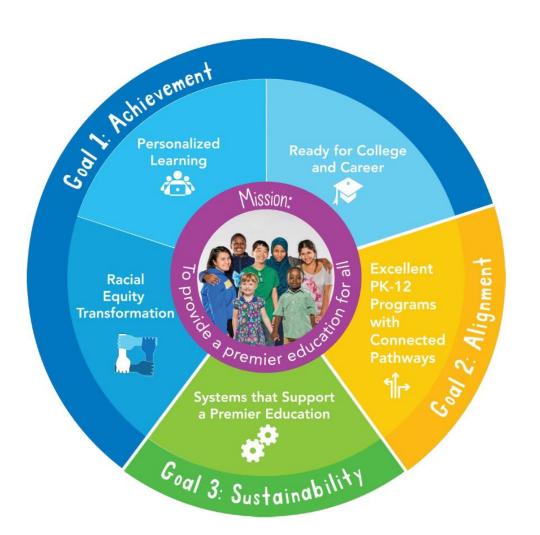
Make no mistake...

Much of the information you will see today will be wrong.

We've gone to great lengths to make it as accurate as possible, but looking 10 years into the future poses a lot of challenges. Minor deviations from our assumptions here today can have significant impact long term.

• Saint Paul Public Schools is a **Complex district.** There are many different ways to address any issue that comes up, and we have resources, skills, and partners that will always help us do what is best for the learners of St. Paul.





Vision Statement:

Imagine every student inspired, challenged, and cared for by exceptional educators.

Imagine your family welcomed, respected and valued by exceptional schools.

Imagine our community united, strengthened, and prepared for an exceptional future.

Saint Paul Public Schools: Where imagination meets destination.

Mission Statement:

To provide a premier education for all.

FMP Committee Workshops



Workshop #1...May 29th Creating a shared vision.

Workshop #2...June 19th Where we are.

Workshop #3...July 10th Facility Principles.



FMP Committee Workshops



Workshop #4...Sept 18th Facility Standards.

Workshop #5...Nov 20th
District Priorities.

Workshop #6...Today Planning Parameters.



DESIGN WITH, NOT FOR.

welcome to the design team!



IT IS NOT BECAUSE THINGS ARE DIFFICULT THAT WE DO NOT DARE. IT IS BECAUSE WE DO NOT DARE THAT THEY ARE DIFFICULT.

SENECA, ROMAN PHILOSOPHER & POLITICIAN

PURPOSE

To create Planning
Recommendations that will
be approved and applied
during Phase 3 of the SPPS
Facility Master Plan work



Growth & Capacity



Quality of Instructional Space



Today
Planning
Parameter
Recommendations



Strong Schools
Strong
Communities 2.0



Quality of Facility
Experience

RELAX AND ALLOW. Constant self monitoring will get in the way of group performance. Let go...

DON'T WORRY ABOUT WHO GETS CREDIT.

When everyone genuinely collaborates, everyone ends up being more creative. (SEEK THE COMMON GROUND)

CLARITY IS NOT A VIRTUE. If everything you say is detailed and explicit, you won't give your collaborators room to run. Put ideas out there that are half-baked.

CREATIVITY IS RISKY. Put yourself in an environment that rewards failure. Successful creative teams are also the ones who fail the most often.



BE WHO YOU ARE AND SAY WHAT YOU FEEL BECAUSE THOSE WHO MIND DON'T MATTER AND THOSE WHO MATTER DON'T MIND.

- DR. SEUSS



BEYOND 21st C. LEARNING



FORCES OF CHANGE



Visioning



WHAT'S CHANGING



I SEE...
WE SEE



Highest Hopes Wordle



Givens

- Kids and academics are at the center of the conversation
- Strong Schools Strong Communities 2.0
- Courageous Conversations Protocol & Racial Equity
- Grade Configurations Remain
- Attendance Boundaries community schools with magnet options
- Strong Emphasis on Early Childhood
- Inclusion
- Safety & Security
- Community Use & Community Ed
- Sustainability



CREATING A SHARED VISION

The purpose of a facility related vision statement is to guide the master planning effort, help us set priorities, align resources, and facilitate an efficient decision making process.

FACILITIES VISION STATEMENT

We envision versatile, equitable, healthy environments that balance the factors creating authentic, engaging, and personalized learning experiences to sustain our academic mission and deepen connections to our communities and world.



Who are we?



Academics Out of School Time Support Services



COMMON GROUND



Strong Schools
Strong
Communities 2.0



What do students want?

All workshop presentations, meeting notes, and videos are posted online at http://facilities.spps.org/committees

In particular, the district data and information from the Workshop 2 "Where we are" presentation are posted on this web page



District-at-a-Glance

Minnesota's **largest urban** school district with **39,000+** students in Pre Kindergarten -12th grade

served by85 schools/programs5,376 full-time staff

in

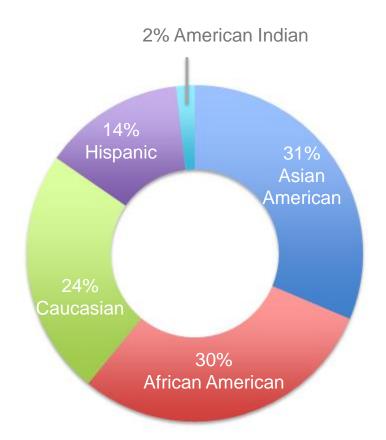
71 buildings & 3 leased sites

totaling

7.3 million square feet and 465 acres of land



District-at-a-Glance



- Students speak 100+ languages and dialects
- 4,000* students new to SPPS each year; 2,000* at the secondary level
- 17% of students require special education services
- 73% of students eligible for free or reduced-price lunch
- 2,000* students experience homelessness during the school year

*Approximate numbers



Strong Schools, Strong Communities 2.0



SSSC 2.0: Racial Equity Transformation

- Change practices and systems
- Value and invest in all students
- Examine our personal racial beliefs





SSSC 2.0: Personalized Learning

- Adapts teaching and learning to diverse needs and abilities of students
- Provides multiple
 ways to access
 information, express
 themselves, and
 demonstrate learning





The following is a summary of possible facility implications discussed during the "where we are" presentations on Academic, Out of School, and Support Services at FMP#2

- Enrollment in most Secondary Schools is at or above capacity
- Program types have unique needs and are frequently in spaces designed for completely different purposes
- Enrollment trends are up with an increasingly diverse student population



- Racial Equity and Personalized Learning are important to the success of all SPPS students and may have facility implications
- Specialized programs and alternative high schools may have specific facility needs
- College and Career goals may require experiential and work spaces
- Specialized Learning will provide Services primarily integrated into the mainstream classroom

- Personalized Learning is how students are learning and will require flexible learning environments
- Wrap around services support learning by addressing student and family needs – space for medical or dental services should be considered
- Teachers need spaces where they can **model collaboration** in PLCs (professional Learning Communities)
- Art and music program considerations include performance and display spaces

- Air conditioned space needs to be considered
- Athletics are important for the health and wellness of students –
 parity of facilities and facilities that are competitive with suburban Districts are desired
- Community Ed includes use of facilities beyond the traditional school day and includes experiential learning
- Early Childhood education and Discovery Club after school care require appropriate space during and after school



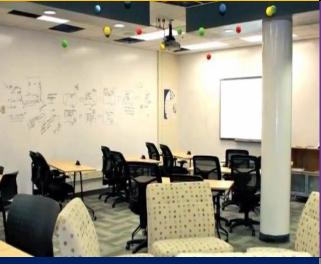
- Building entrances are important for safety and security
- The age of buildings impact energy efficiency and facility condition –
 - approximately 47% are 50 years or older
 - of these, approximately 11% are 90 years or older
- Roughly 25% of the District's buildings are considered below
 average given the current Facility Condition Index (FCI)
- Improved Energy use is critical for financial stewardship



Urban Context



What do we believe?



Facility Principles



Strong Schools
Strong Communities
2.0



Final Facilities
Vision Statement

FACILITY PRINCIPLES: WHAT DO WE BELIEVE?





FACILITY PRINCIPLES:

OVERARCHING BELIEFS AND COMMITMENTS TO WHAT'S IMPORTANT FOR ALL SAINT PAUL PUBLIC SCHOOLS...



Saint Paul Public Schools is committed to...

This means...



GOAL 1: ACHIEVEMENT Racial Equity Transformation Personalized Learning Ready for College and Career

Provide an outstanding and equitable education for all students through strong leadership, well-rounded curriculum and data-driven decisions.



GOAL 1: ACHIEVEMENT

- SPPS is committed to creating environments that foster personalized learning and collaboration
- SPPS is committed to providing facilities that support college and career readiness
- SPPS is committed to providing facilities that support authentic and experiential learning
- SPPS is committed to providing flexible, adaptable learning environments
- SPPS is committed to providing facilities that are adaptable to respond to future technologies



GOAL 2: ALIGNMENT Excellent PK-12 Programs with Connected Pathways

Coordinate school programs and supports to reinforce student learning



GOAL 2: ALIGNMENT

- SPPS is committed to providing facilities that support access for all
- SPPS is committed to providing facilities that promote equity for all
- SPPS is committed to having its facilities used by, reflect and connect to the community and neighborhoods
- SPPS is committed to providing facilities that foster partnerships and community connections
- SPPS is committed to providing facilities that support connectivity to the natural environment and the outdoors



GOAL 3: SUSTAINABILITY Systems that Support a Premier Education

Continue to be efficient and effective with our budget decisions to maximize classroom resources and create and academic plan focused on results



GOAL 3: SUSTAINABILITY

- SPPS is committed to excellence in the design and construction of facilities and grounds
- SPPS is committed to utilizing sustainable principles in the siting, design and operations of its facilities
- SPPS is committed to understanding and minimizing the impact our facilities have on the environment
- SPPS is committed to environments that support and promote health and safety for all
- SPPS is committed to environments that balance emergency preparedness with all of the Facility Principles



Common Ground Where are we?



Facility Principles



Facility Standards
Priorities



Strong Schools
Strong Communities
2.0



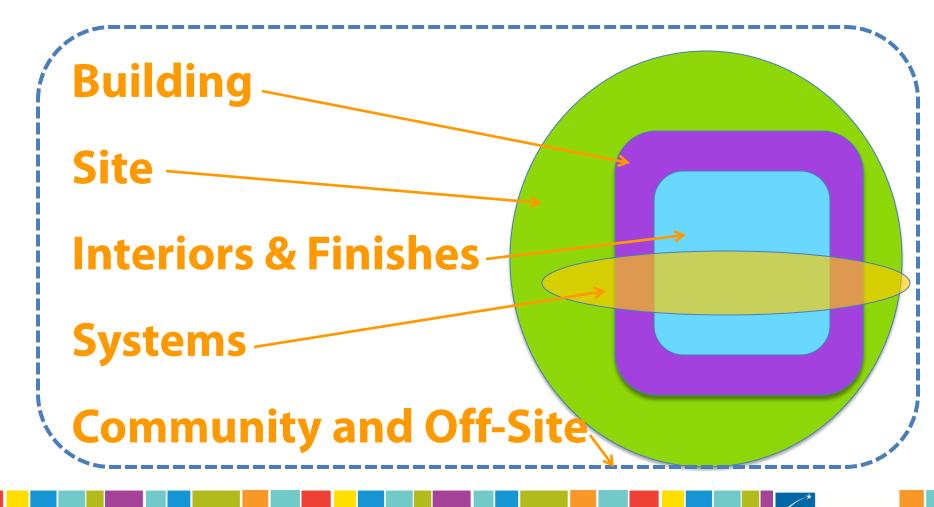
Facilities
Vision Statement

Facility Standards

- Criteria that describe the physical characteristics required of all Saint Paul Public Schools facilities
- Define consistency, value and quality across SPPS facilities as they are maintained, improved or built.



Facility Design Standards "Zones of Work"



Application of Standards in Planning: Facility Alignment

13. Adult Learning Space	3	1	5	3	1	1	3
Provide space to allow for education of adults, both employees of the district and community members. Spaces should support Professional Learning Community (PLC) activities and learning. Schools should serve as a professional development "home" for staff.							
14. Daylighting and Views	1	5	4	3	3	1	2
Rooms that house people should have windows for connection to the outside and for natural light. Designs must consider security and control of light, glare and heat gain/loss. Incorporate windows to other spaces for distribution of light and visual connections.							
15. Accessibility	5	5	5	3	5	5	3
Each facility should apply the concepts of Universal Design as well as meeting ADA requirements, to make accessible features useful for all. Modify existing buildings to remove barriers to public spaces and provide convenient access to all levels as a first priority.							

KEY
GREEN - MEETS OR EXCEEDS STANDARDS

YELLOW – WORKABLE

RED -- DOES NOT MEET STANDARD

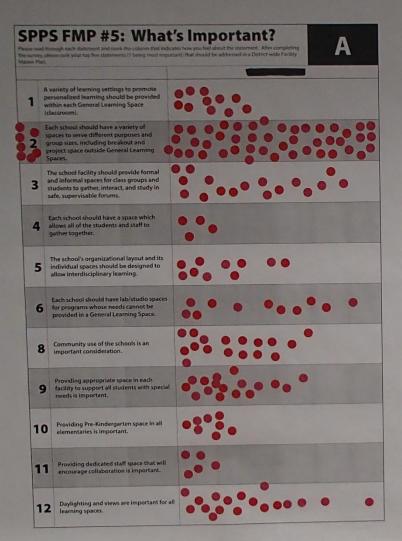


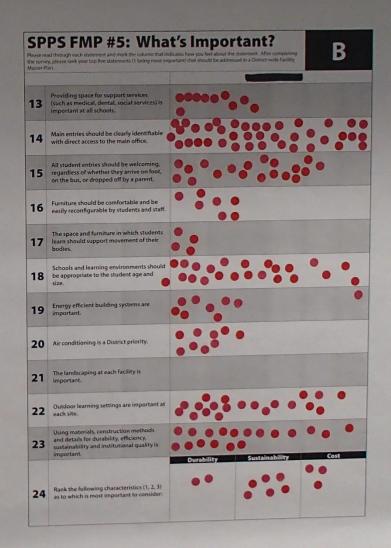
Given our facility vision, our facility principles, and our holistic view of our goals, what standards should describe what we expect for our facilities?



Priorities













Allow for a variety of learning experiences that promote personalized learning. Finishes and furniture are designed to promote collaborative, creative, and personalized learning. General Learning Spaces will be sized for variable teaching layouts, technology, and individual or group arrangements.

General Learning Space



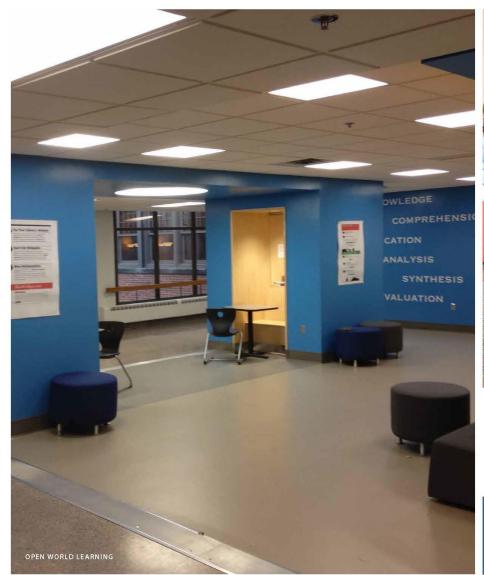




Design learning environments to address short and longer term modifications in response to educational program – hourly/daily and longer term/yearly changes in use.

Flexible/Adaptable Space







Provide a variety of sizes and layouts of learning space for different teaching and learning styles. Each school should have a variety of spaces to serve different purposes and group sizes, and that can be arranged in a variety of ways.

Varied Space





The school organization and its individual spaces will be designed to allow interdisciplinary and collaborative learning, and strengthen natural connections between subject areas. Learning Spaces grouped with other facilities allow teachers of different subjects to collaborate with an identified group of students.

Interdisciplinary Learning









Each school will have specialized lab/studio spaces for programs whose needs cannot be provided in a General Learning Space. All labs/studios will be designed with adaptability and flexibility in mind, so that site-based decisions about yearly program offerings are supported, and so that the spaces may be usable by students and community.

Specialized Lab/Studio Space





Each school will have a space which allows gathering of the entire population of students and staff, thereby supporting and strengthening school community spirit. Design for multiple uses (e.g. a gym used for speakers and events as well as games).

Assembly Space









Create a clear, identifiable main entry with direct access to the main office. If students do not use this entry when they take buses, student entry to be identifiable and welcoming.

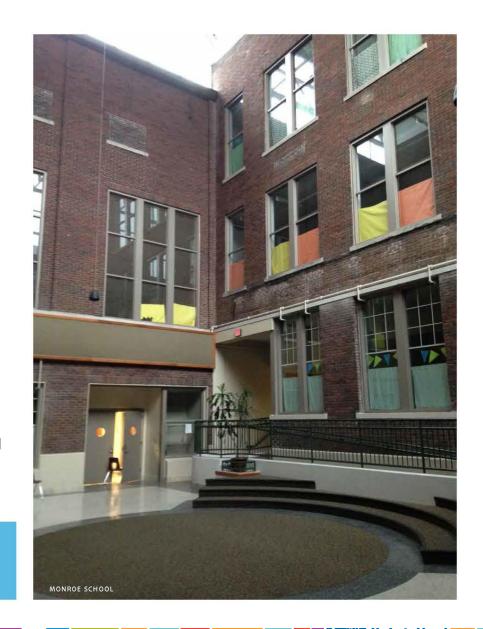
Clear Main Entry





Shared use of learning spaces, labs, activity areas, and grounds to support programs including electives to Community Education and after school youth care. Some programs share facilities during the day with PK-12 programs. Design facilities to intentionally support this sharing while recognizing need for security.

Shared Space













Provide space in each facility to support all students with special needs. Space is needed both to facilitate inclusion within the classroom and for special services in specific settings. Design an atmosphere conducive to learning, in or near other learning spaces, to meet the student's special physical, sensory, and emotional needs. Meet standards for other learning space (daylight, views, acoustics, etc.)

Specialized Services Space





The administration and reception functions of each school will be housed in pleasant, respectful, comfortable spaces to welcome visitors and the public, as well as the school's students and staff.

Welcoming and Respectful Main Office





Outdoor environments can add valuable space for learning, and help students make connections between their studies and the physical environment. Each site will strive to have at least three types of outdoor learning settings: gardens, small and large gathering spaces and outdoor "classrooms."

Outdoor Learning Settings





Rooms that house people should have windows for connection to the outside and for natural light. Designs must consider security and control of light, glare and heat gain/loss. Incorporate windows to other spaces for distribution of light and visual connections.

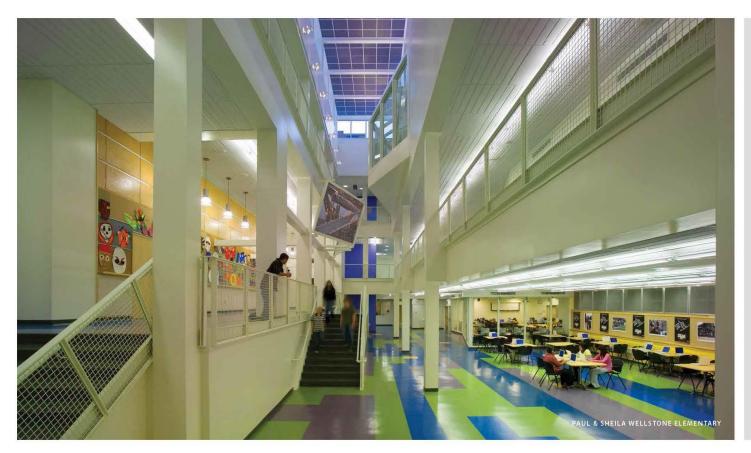






Daylighting and Views





A student's social development is part of their education and growth. The school facility will provide formal and informal spaces for class groups and students to gather, and to interact and study in safe, manageable forums.

Student Gathering Space



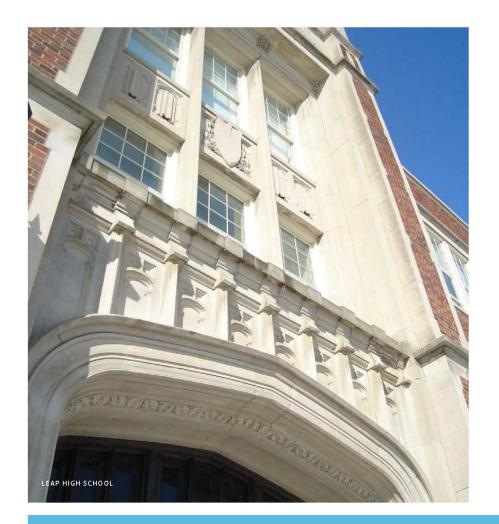




Building design must be appropriate to the student age. Schools will recognize and respect their learners' physical, intellectual and emotional characteristics. Compliance with the ADA for both students and adults is critical.

Appropriately Scaled Space







Protect community's investment in schools by designing buildings for long term use. Use materials, construction methods and details for durability, efficiency, sustainability and institutional quality.

Permanent Facilities



REFLECTIONS



ENROLLMENT

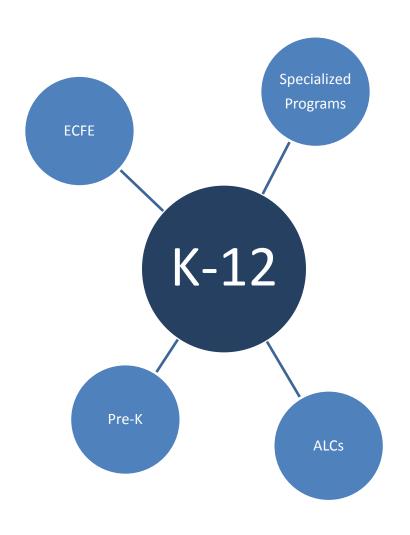


SAINT PAUL PUBLIC SCHOOLS

ENROLLMENT PROJECTIONS
Hazel H. Reinhardt
January 13, 2015

(as read by Joe Munnich, 1/23/2015)





This analysis:

- Focuses on the factors that influence K-12 enrollment
- Quantifies:
 - Kindergarten enrollment
 - Cohort survival and net migration of students in each grade
 - The impact of housing types and development

The next phase of the analysis:

- Will refine the student profile, factoring in race and poverty information.
- Will project enrollment schoolby-school, not just by geographic areas



- In the past ten years, enrollment decreased by -1,734 students or -4.6 percent
 - Resident enrollment decreased only -2.8 percent and was at its lowest in 2010-11. Since then resident enrollment has increased as has the size of the resident kindergarten class
 - In 2014-15, nonresidents make up 4.3 percent of K-12 enrollment
 - Nonresident students are concentrated in the elementary grades
 - Estimated school age population decreased as well during the recession years



- Today, the Saint Paul Public Schools capture 62.4 percent of the district's school age population or 65.6 percent when special programs are included
 - The largest number of students not attending the Saint Paul Public Schools attend traditional nonpublic schools and charter schools
- The Saint Paul Public Schools experience net out migration every year
 - The net outflow between Grade 5 and Grade 6 is unusual
 - Like most Minnesota public school systems, there is a net inflow between Grade 8 and Grade 9



- Enrollment projected to increase 4.2 to 8.2 percent in the next ten years
 - In 2024-25, projected enrollment ranges from 37,551 to 38,983 students. This compares to 36,040 students in 2014-15.

Approximately 1,800 students need to be added to these projections to reflect ALCs, special education and other special populations not projected

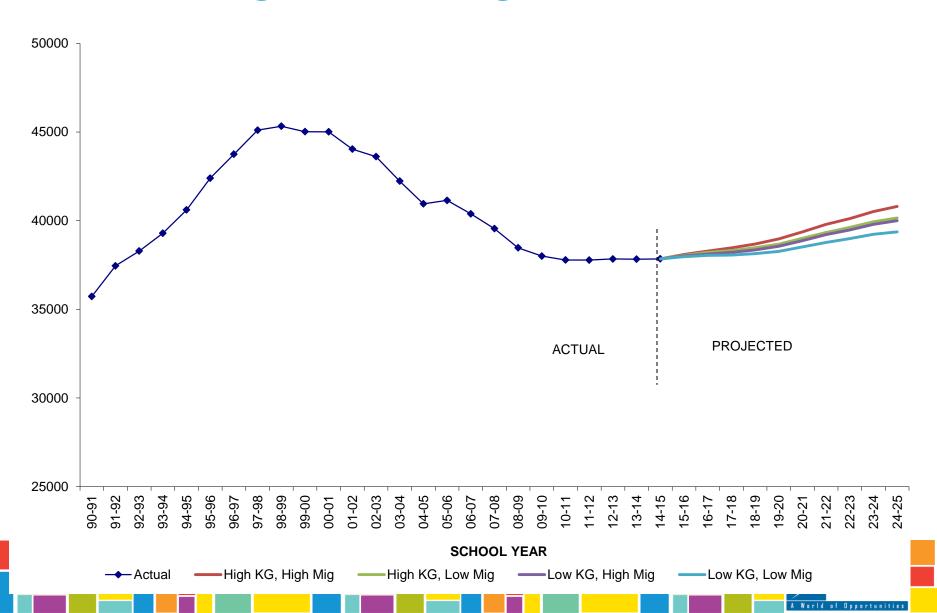
- Enrollment will increase by no less than 400 students in the next five years
- Growth is faster in the second five projection years as the number of kindergarten students increases



- The City of Saint Paul estimates that
 - 2,600 multi-family units will be built in the next five years
 - Only 10 percent of these units will be subsidized; others will be senior housing or market rate units
 - Probably no more than 55-105 Saint Paul Public School students from these developments



TOTAL ENROLLMENT



MANY CHANGING FACTORS

- Today, enrollment changes result from
 - Demographic changes
 - Age of the population
 - Fertility rates
 - Amount of residential development
 - Education marketplace
 - Education choices
 - Nonpublic
 - Public
 - » Open enrollment
 - » Charter schools
 - » ALCs, etc.



SAINT PAUL PUBLIC SCHOOLS

- Saint Paul Public Schools have some advantages
 - City and school district are coterminous
 - No conflicts in identity
 - The school district's shape and natural boundaries are barriers to open enrollment out



EDUCATION CHOICES

2012-13

	Minnesota	Saint Paul		
Nonpublic settings	9.5%	14.2%		
Traditional schools	7.7%	13.7%		
Home schools	1.8%	0.5%		
Public Options				
Open enrollment				
In	7.2%	2.7% (equivalent)		
Out	7.2%	4.7%		
Charter schools	4.5%	13.1%		
Capture Rate (with ALCs)	78.7% (n.a.)	61.8% (65.8%)		

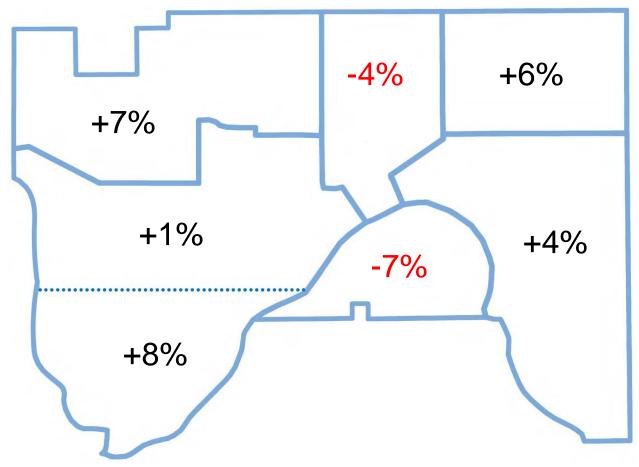


NET MIGRATION BY GRADE

Grade	05 to 06	06 to 07	07 to 08	08 to 09	09 to 10	10 to 11	11 to 12	12 to 13	13 to 14
K to 1	-24	-71	-43	-83	-31	-39	-29	-112	-176
1 to 2	-81	-123	-156	-79	-100	-45	-76	-75	-113
2 to 3	-39	-46	-105	-68	-51	-59	-86	-84	-90
3 to 4	-44	-51	-100	-86	-67	-23	-95	-83	-86
4 to 5	-89	-128	-170	-123	-113	-107	-125	-19	-94
5 to 6	-190	-115	-200	-146	-151	-80	-168	-164	-261
6 to 7	-158	-131	-193	-124	-67	-61	-111	-35	-34
7 to 8	-102	-64	-42	8	1	39	-6	3	-11
8 to 9	161	209	76	93	138	194	97	223	146
9 to 10	3	-93	-132	8	-57	36	-79	-36	0
10 to 11	-241	-294	-258	-155	-121	-28	-116	-32	1
11 to 12	-311	-335	-271	-144	-153	-146	-154	-143	-184
Total	-1,115	-1,242	-1,594	-899	-772	-319	-948	-557	-902



5 Year Enrolled Resident Projection



- •Projections shown are based on cohort survival analysis.
- •These projections are K-12 only, and do not factor in ALCs, early childhood education, and other specialized programs.
- •Area (A-F2) projections are for student residents of those areas; some of these students may attend a school in another part of town.



5 Year Enrolled Resident Projection

Area Resident Projections									
K-5	А	В	С	D	E	F1	F2	Total	
2014-15	3,247	2,640	3,015	1,059	2,758	3,745	1,117	17,581	
2019-20	3,353	2,768	3,019	988	2,942	3,567	1,136	17,773	
	106	128	4	-71	154	-178	19	192	
6-8									
2014-15	1,342	1,134	1,278	379	1,059	1,466	480	7,138	
2019-20	1,613	1,165	1,225	405	1,197	1,605	579	7,787	
	271	31	-53	26	138	139	99	649	
9-12									
2014-15	1,836	1,564	1,888	485	1,355	2,092	563	9,783	
2019-20	1,846	1,618	1,685	399	1,419	2,192	626	9,785	
	10	54	-203	-186	64	100	63	2	

[•]Projections shown are based on cohort survival analysis

[•]Changes in projected enrolled students are based geographically on where the student resides, not where they attend school



QUESTIONS?

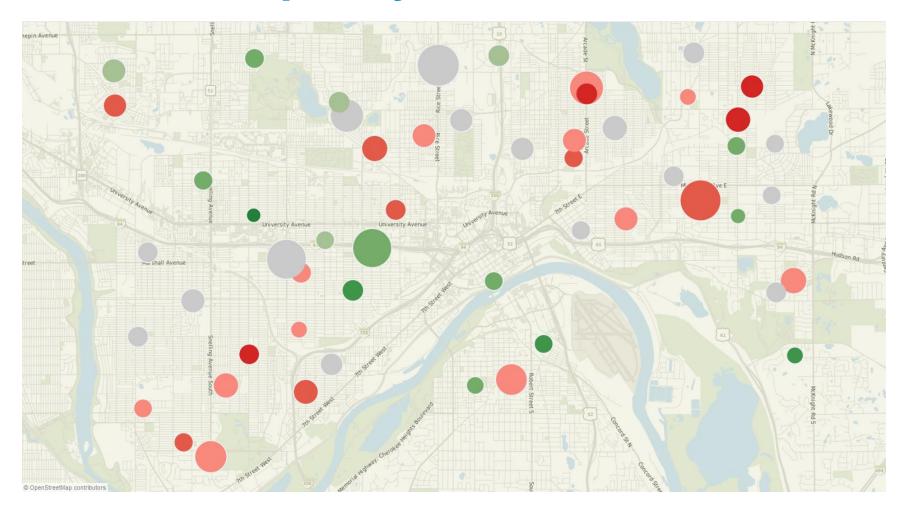
SPPS ENROLLMENT PROJECTIONS Hazel H. Reinhardt January 13, 2015



CAPACITY

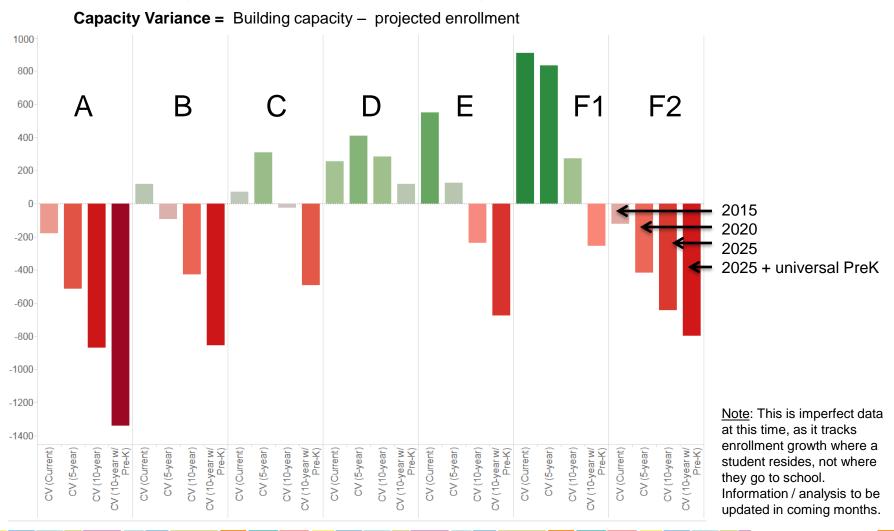


Current Capacity

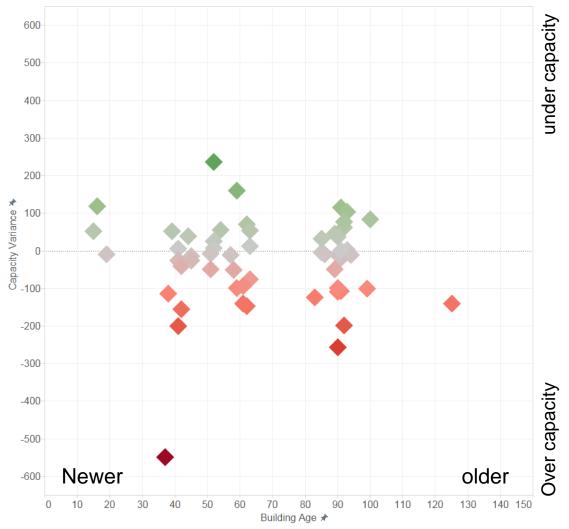




Capacity Variance, by Area



Capacity Variance v. Age of Building



building condition PROGRAM ALIGNMENT



FACILITIES CONDITION INDEX (FCA) is a widely used in director that provides a volative scale of the everyll condition of a

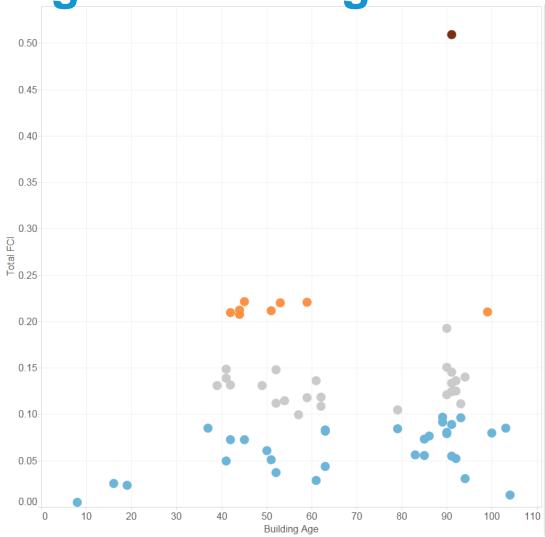
indicator that provides a relative scale of the overall condition of a given facility. The index is derived by dividing the total repair cost into the total replacement cost.

FACILITIES ALIGNMENT ANALYSIS (FAA) is an

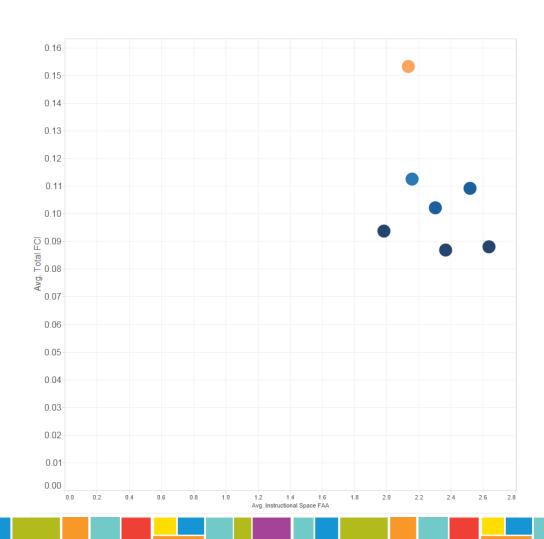
SPPS-specific way to provide a relative scale of the alignment of a building to its academic and community program. This metric was generated as part of the FMP process, building upon the 2008 Educational Adequacy Assessment (EAA).



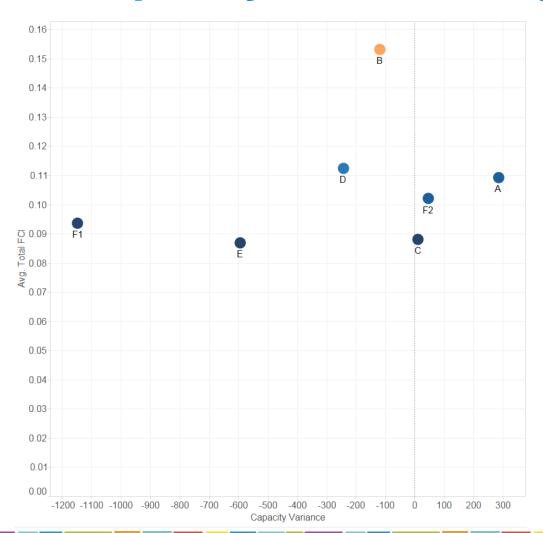
FCI v. Age of Building



FCI v. Instructional Space FAA



FCI v. Capacity Variance, by area



Projected enrollment 2025, no PreK change



Growth & Capacity



Quality of Instructional Space



Today
Planning Parameter
Recommendations



Strong Schools
Strong Communities
2.0



Quality of Facility Experience

We recommend... Creating planning parameters



Growth & Capacity

Quality of Instructional Space

Quality of Facility Experience



...but before we head into break



Phase 3: Site-based Engagement

PHASE 3: January – June 2015



SCHOOLS and other district buildings DEVELOP THEIR OWN PLANS on how to improve their buildings

 Outcome: Site-based master plans based on district criteria/standards

 Each school will have a planning team consisting of students, parents, teachers, and community



Phase 3: Planning within Pathways

Example: Area 'E' Community School Pathway

Como Elementary
Hamline
Galtier
Chelsea Heights
St. Anthony Park

Murray

Murray

Como Senior



Phase 3: Planning within Pathways

Planning Groups

Area A Community Schools

Area B Community Schools

Area C & D Community Schools

Area E Community Schools

Area F1 Community Schools

Area F2 Community Schools

Montessori

Creative / Performing Arts

Language Immersion

Please sign up at the back if you are interested!





Planning Parameters Confirmation



http://b.socrative.com/login/student/

Room: 7143b815