

# LACCD ACADEMIC & FACILITIES NEEDS OVERVIEW

Committee of the Whole

January 27, 2016

# Development of District Needs

- District Strategic Plans
- College Educational Master Plans
- Facilities Master Plans, Latest Adoption Dates

City: 4/19/10

Pierce: 7/9/14

East: 3/25/15

Southwest: 6/16/10

Firestone: 5/14/14

Trade: 3/10/10

Harbor: 10/9/13

Valley: 10/7/15

Mission: 7/8/15

Van de Kamp: 1/29/14

West: 1/15/14

# LACCD Broad Overview

- Buildings: 552\*
- Assignable Square Feet (ASF): 5,400,570
  - Classroom, office, lab spaces, conference, and meeting and support rooms.
- Building Gross Square Feet (GSF): 11,356,966
  - GSF is the total enclosed area of a building (including the ASF)
- GSF without Parking Structures: 7,196,046
- Ratio of ASF to GSF (without parking structures):
  - Equals LACCD building efficiency: 75%
  - APPA uses 65% as a standard

Data Source: Fusion

\*552 excluding storage containers, 772 with storage containers

# LACCD Broad Overview Continued

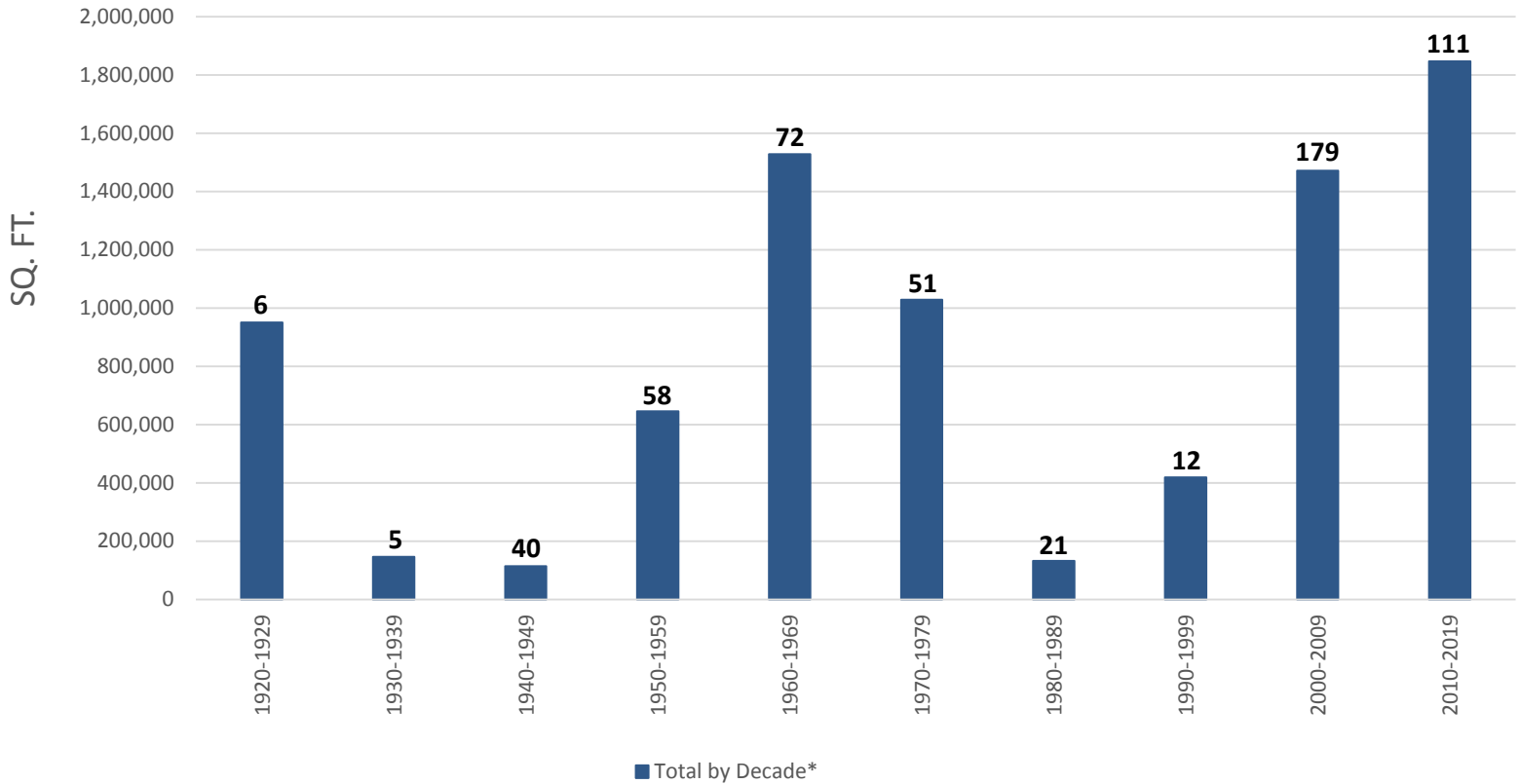
- 290 of buildings constructed since Bond Program (post 2001) which equates to 40.06% of the District's GSF
- 181 of buildings constructed prior to 1970 which equates to 40.86% of the District's GSF

\*GSF excludes Storage Containers



## District-Wide

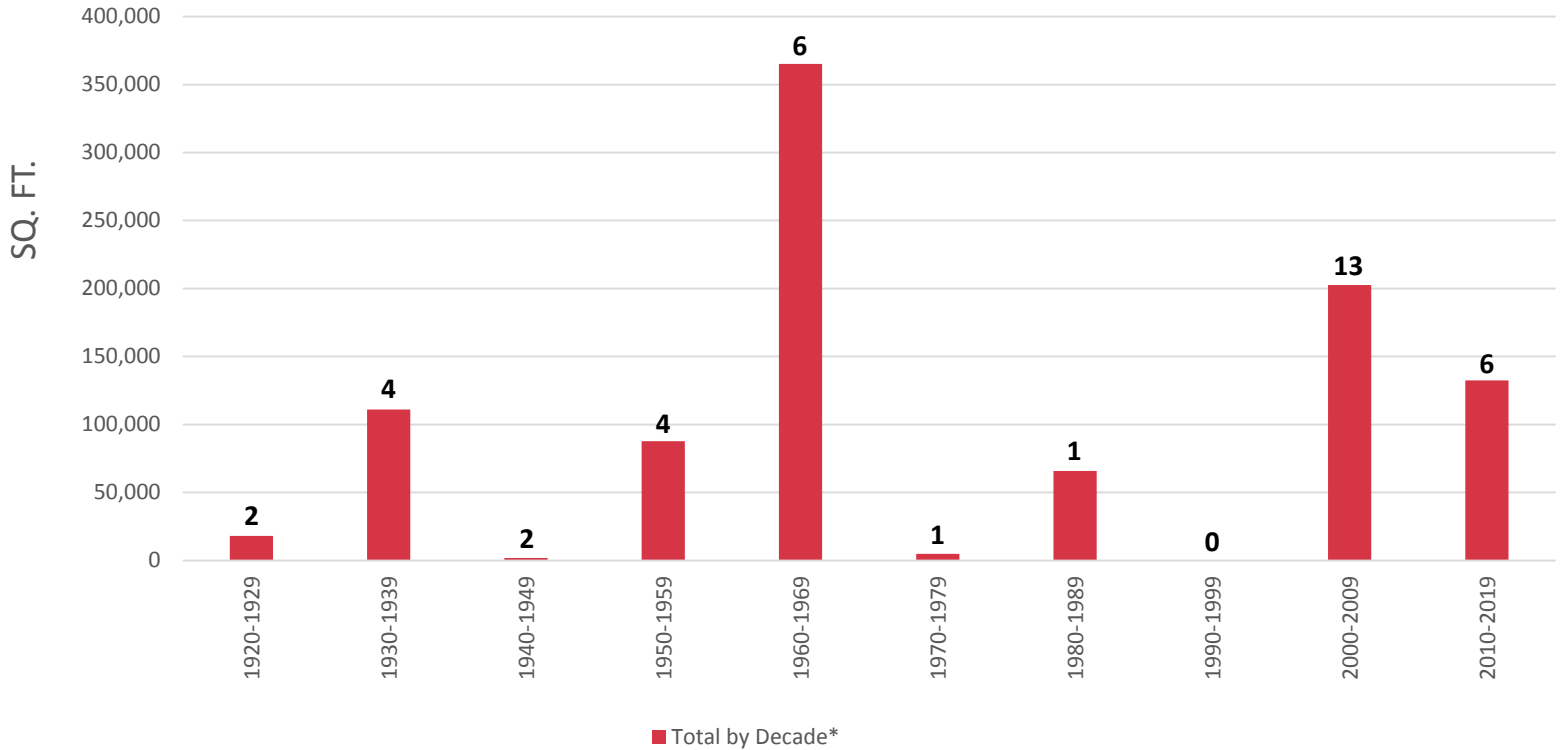
### BUILDINGS SQ. FT. BY DECADE



SQ. FT. % By Decade	11.47	1.77	1.38	7.8	18.44	12.42	1.59	5.06	17.77	22.29
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\*Excludes Storage Containers and Parking Structures

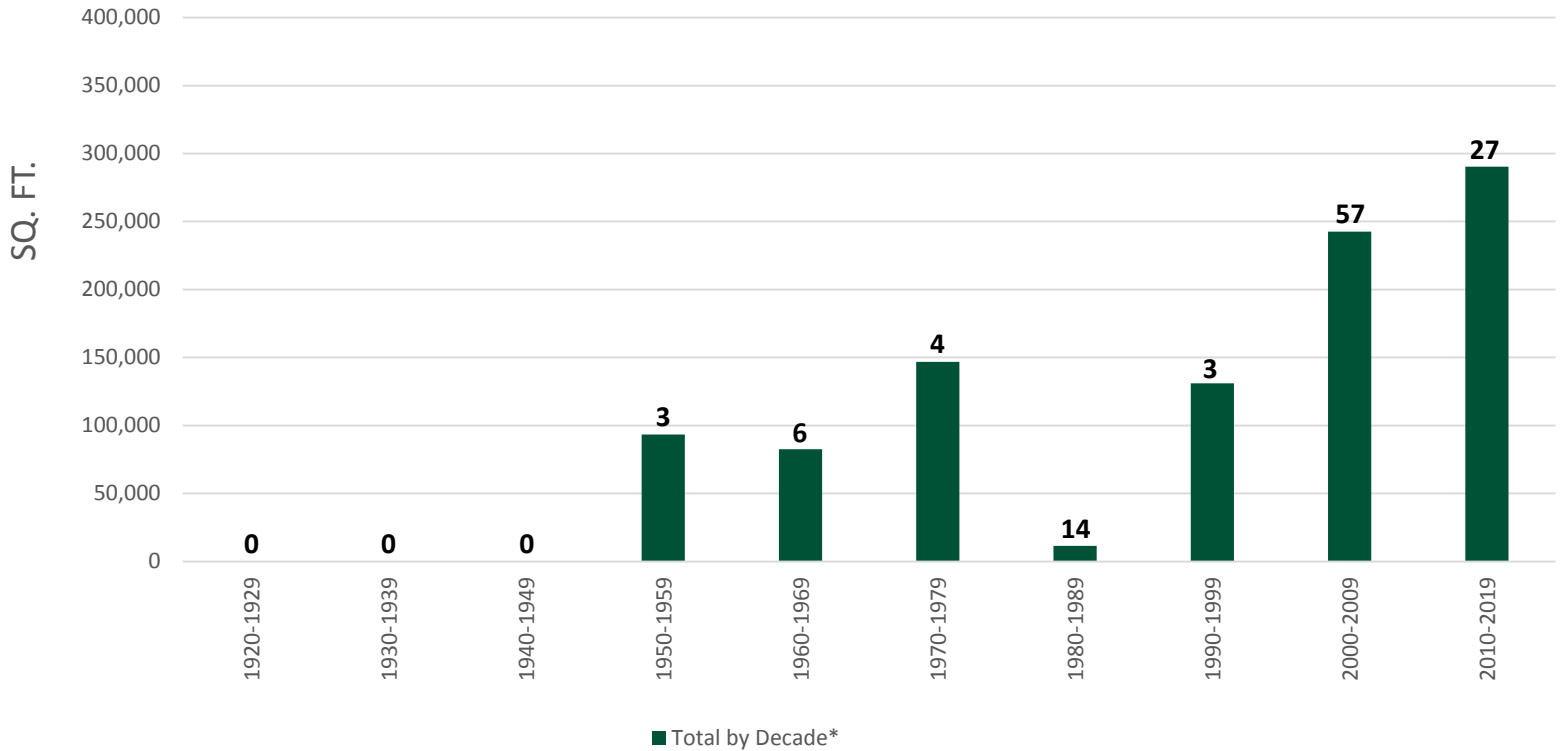
### BUILDINGS SQ. FT. BY DECADE



SQ. FT. % By Decade	1.83	11.22	0.17	8.86	36.91	0.49	6.66	0	20.48	13.38
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\*Excludes Storage Containers and Parking Structures

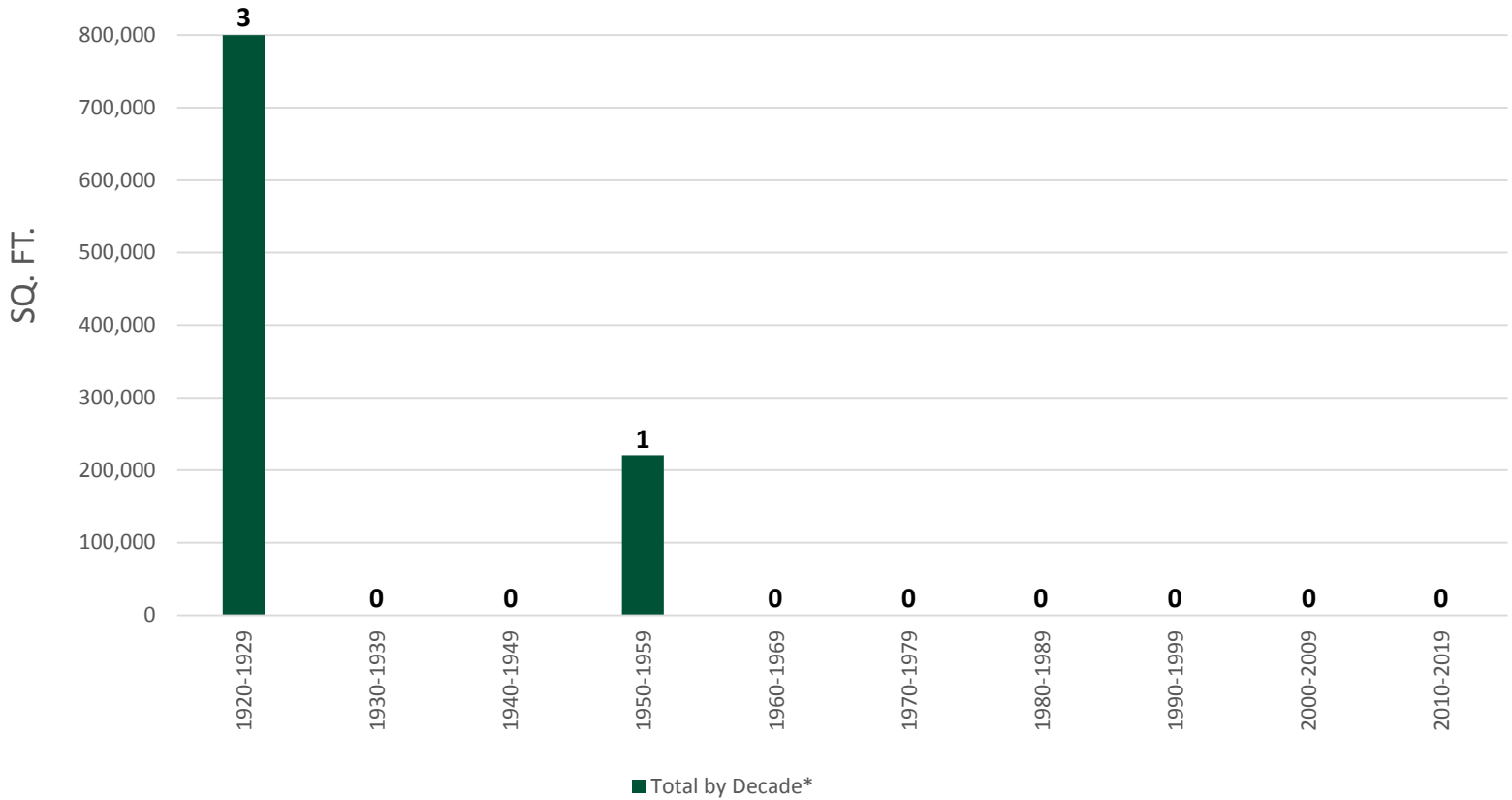
### BUILDINGS SQ. FT. BY DECADE



SQ. FT. % By Decade	0	0	0	9.36	8.27	14.7	1.16	13.13	24.3	29.07

\*Excludes Storage Containers and Parking Structures

### BUILDINGS SQ. FT. BY DECADE

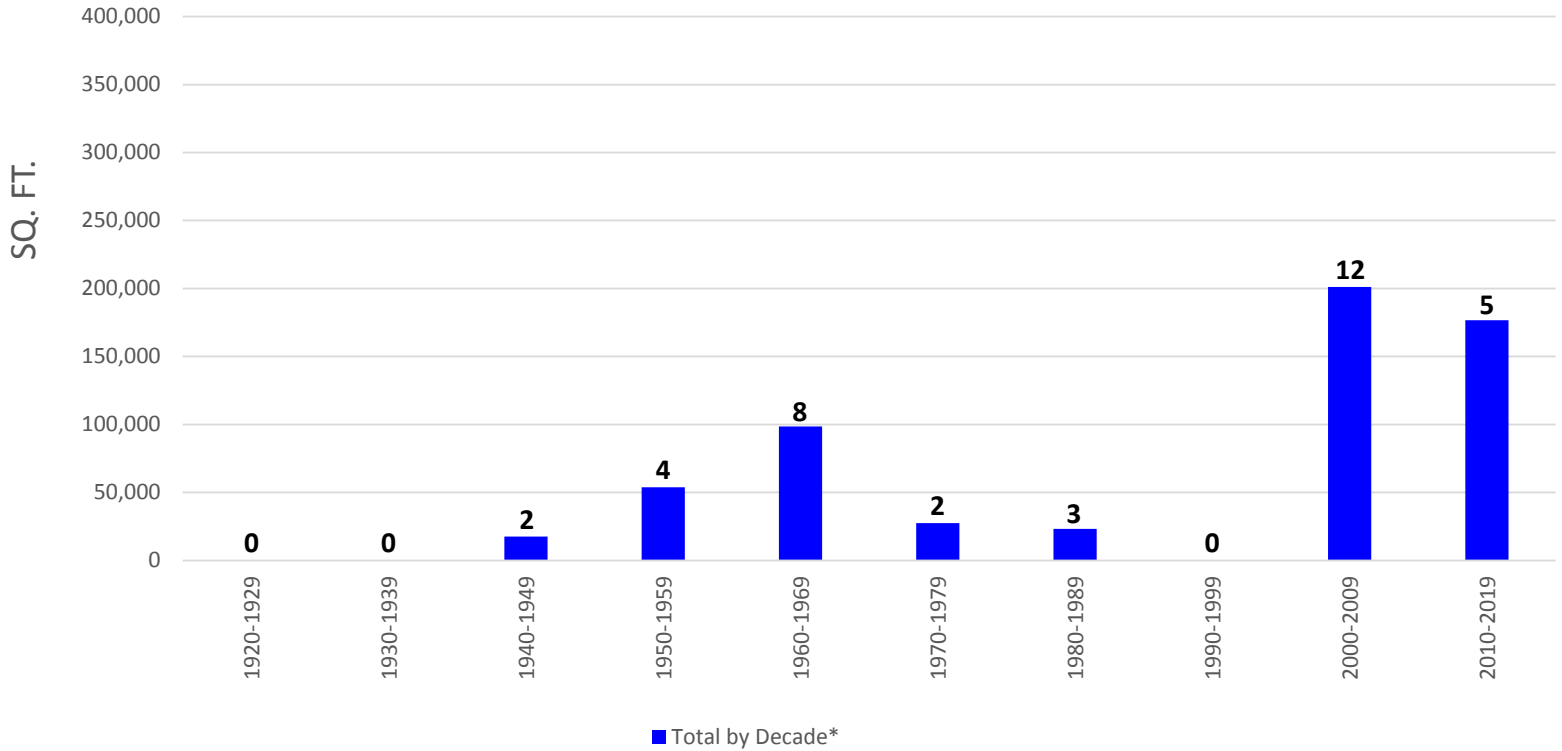


SQ. FT. % By Decade	79.24	0	0	20.76	0	0	0	0	0	0





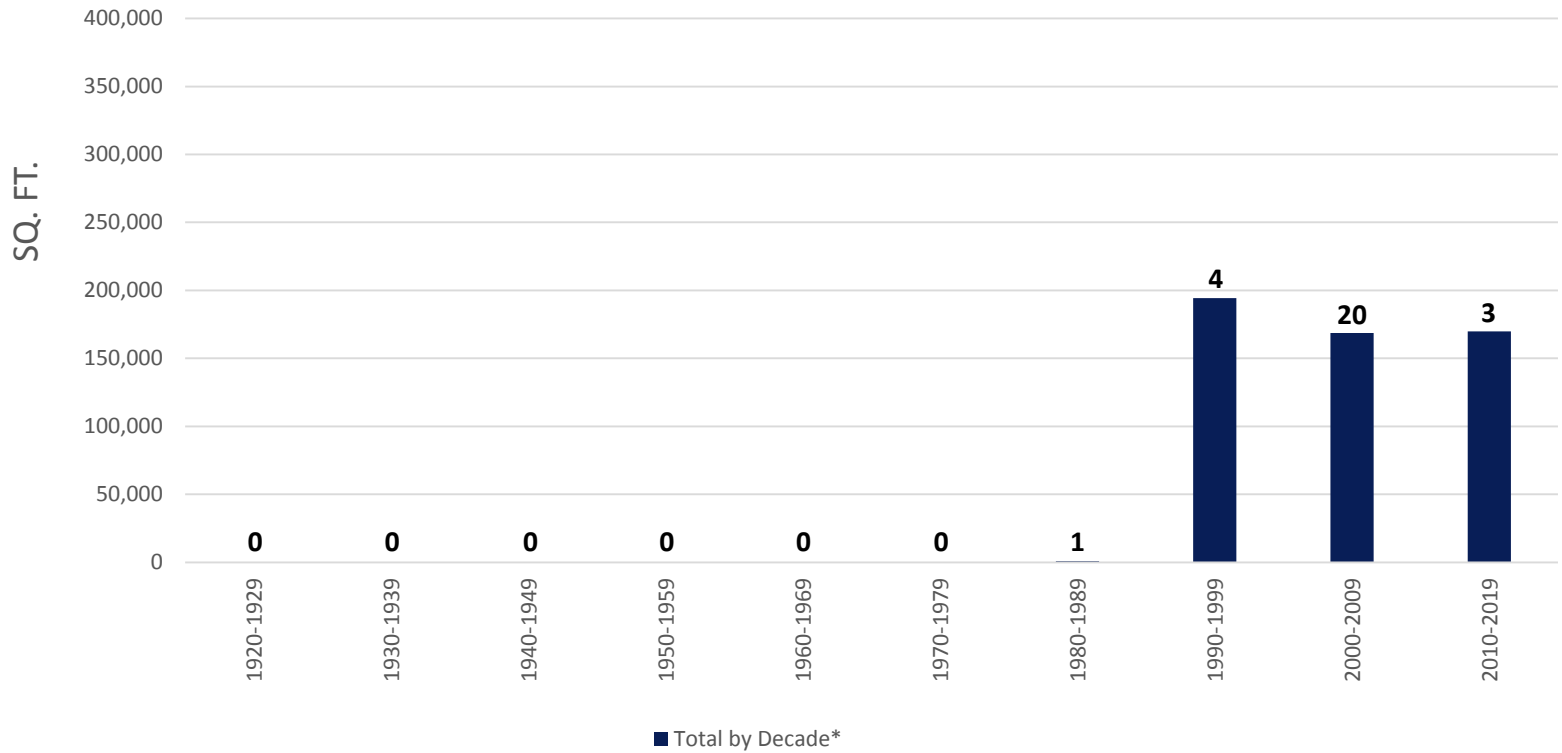
### BUILDINGS SQ. FT. BY DECADE



SQ. FT. % By Decade	0	0	2.95	9	16.47	4.59	3.87	0	33.61	29.5
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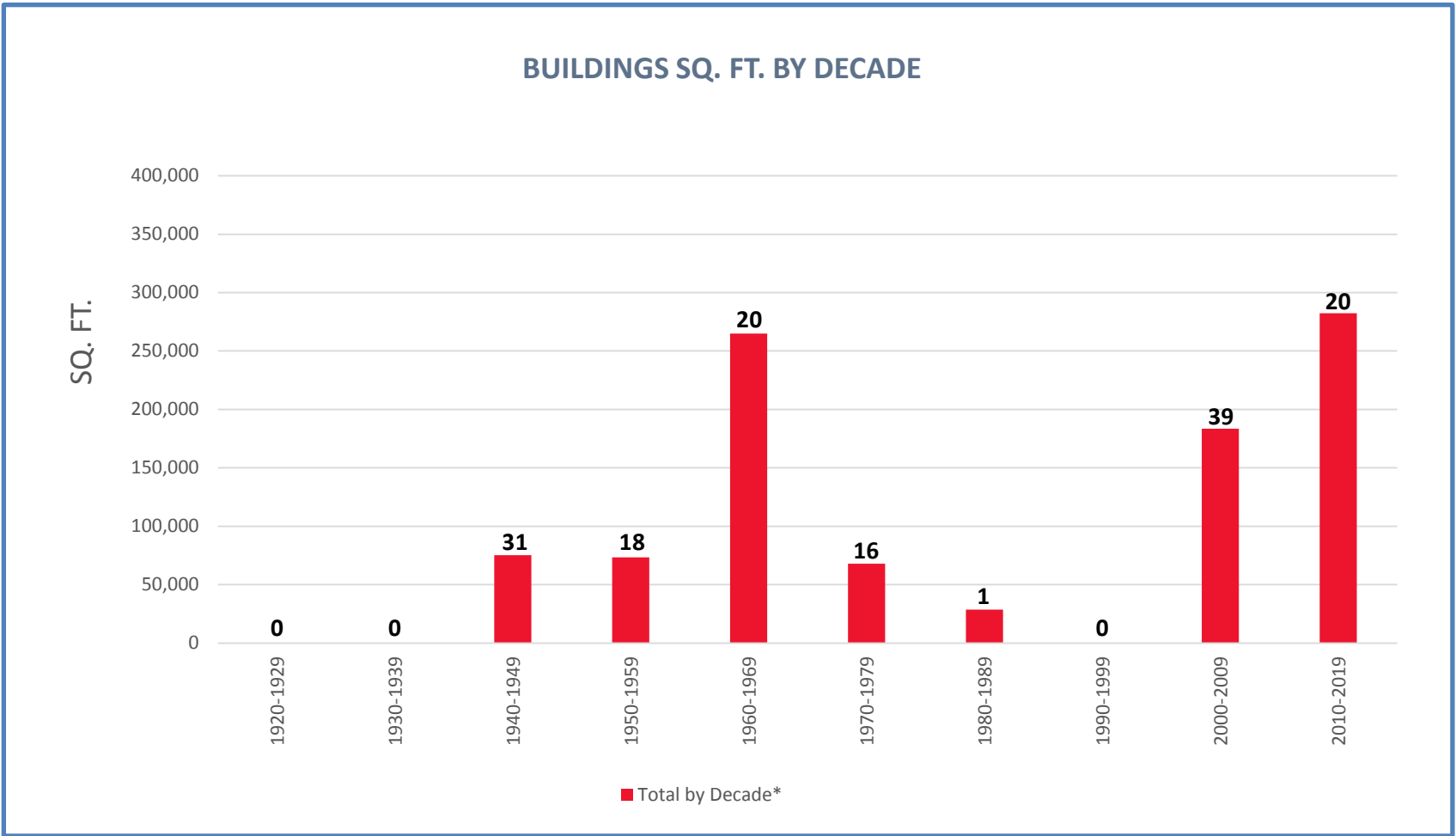
\*Excludes Storage Containers and Parking Structures

### BUILDINGS SQ. FT. BY DECADE



SQ. FT. % By Decade	0	0	0	0	0	0	0	0.18	36.41	31.58	31.83

\* Excludes Storage Containers and Parking Structures

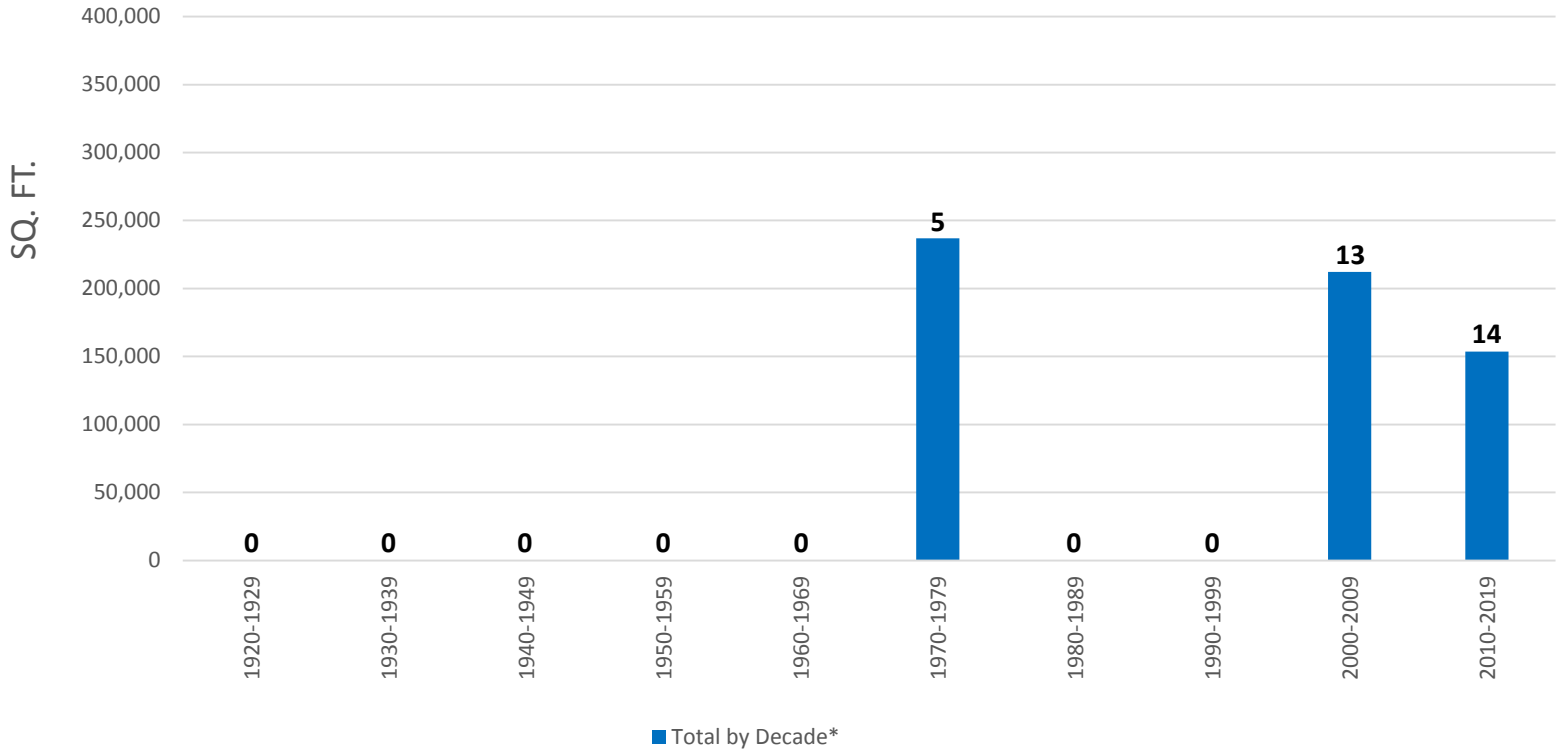


SQ. FT. % By Decade	0	0	7.72	7.52	27.15	6.95	2.93	0	18.8	28.94
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\*Excludes Storage Containers and Parking Structures



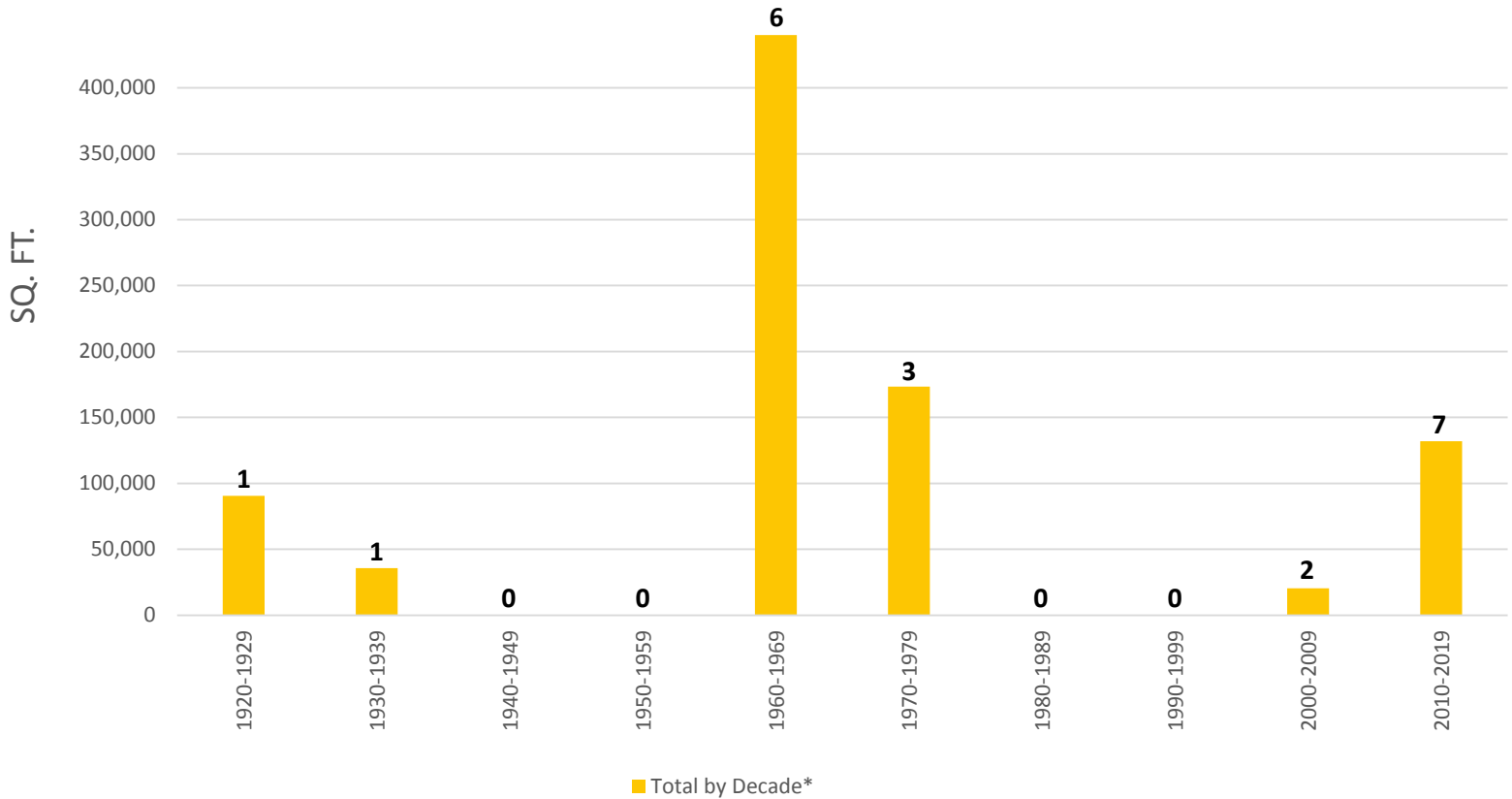
### BUILDINGS SQ. FT. BY DECADE



SQ. FT. % By Decade	0	0	0	0	0	39.31	0	0	35.21	25.48
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\*Excludes Storage Containers and Parking Structures

### BUILDINGS SQ. FT. BY DECADE

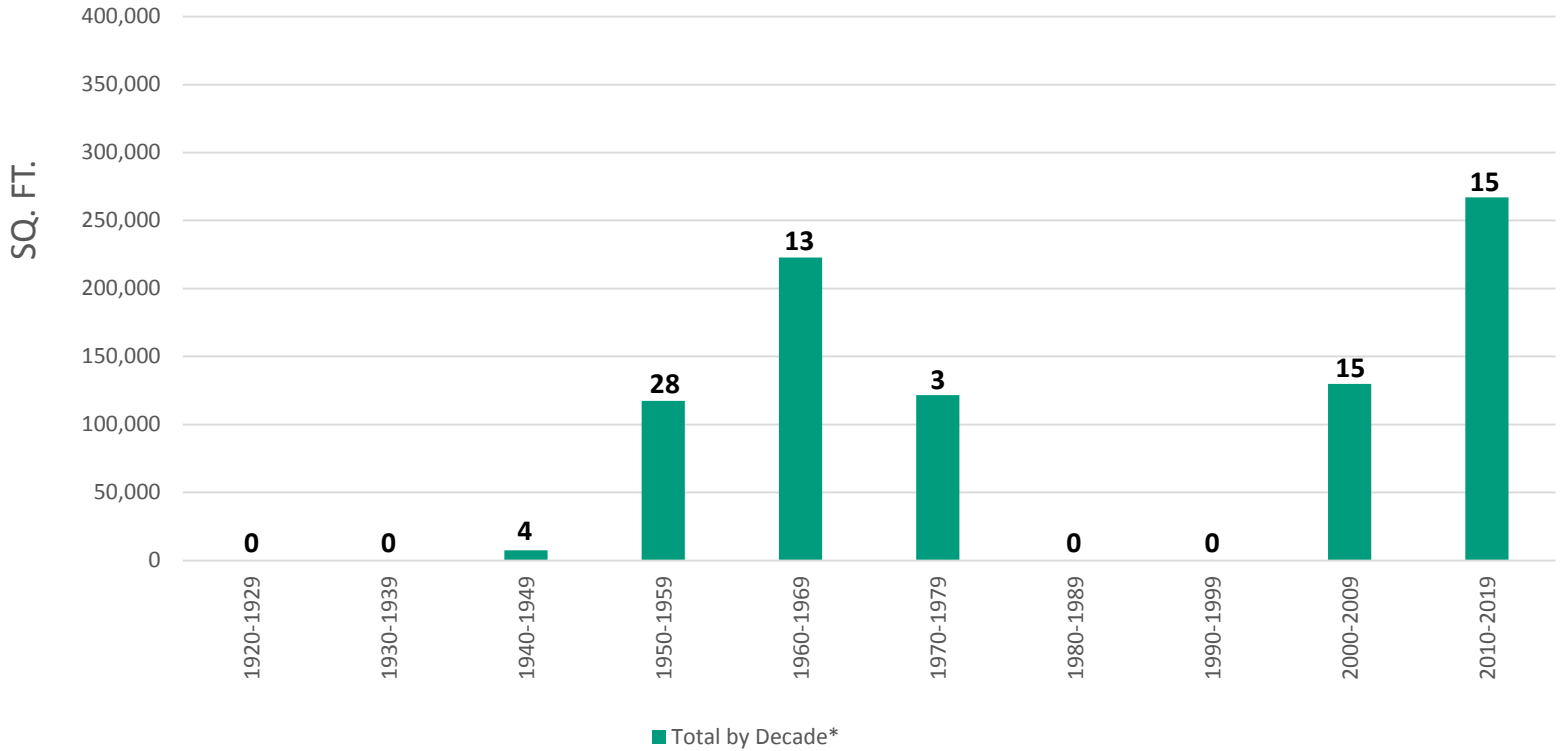


SQ. FT. % By Decade	1920-1929	1930-1939	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	2010-2019
	10.12	3.99	0	0	49.47	19.38	0	0	2.28	14.76

\*Excludes Storage Containers and Parking Structures



### BUILDINGS SQ. FT. BY DECADE

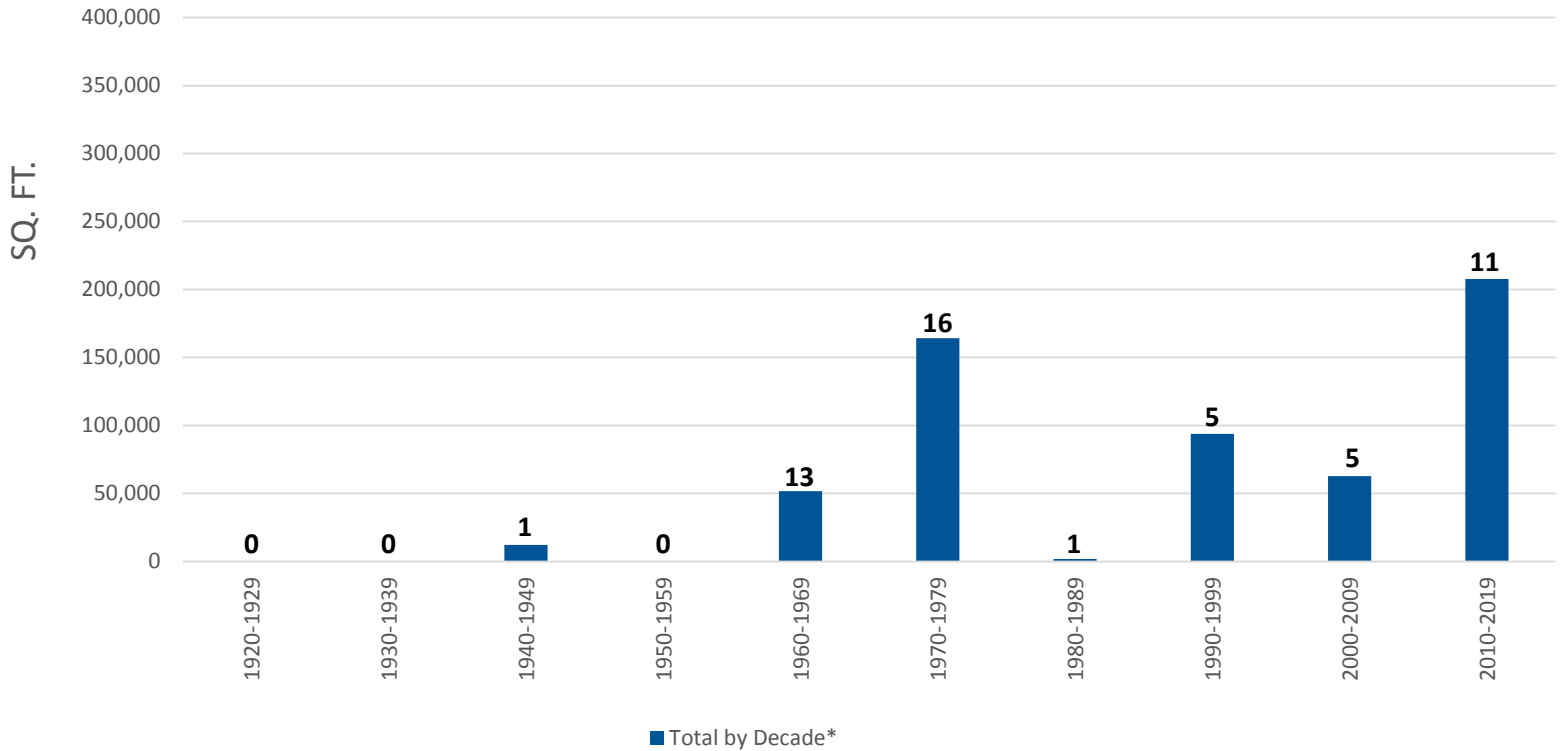


SQ. FT. % By Decade	0	0	0.86	13.55	25.72	14.05	0	0	14.99	30.83
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\*Excludes Storage Containers and Parking Structures

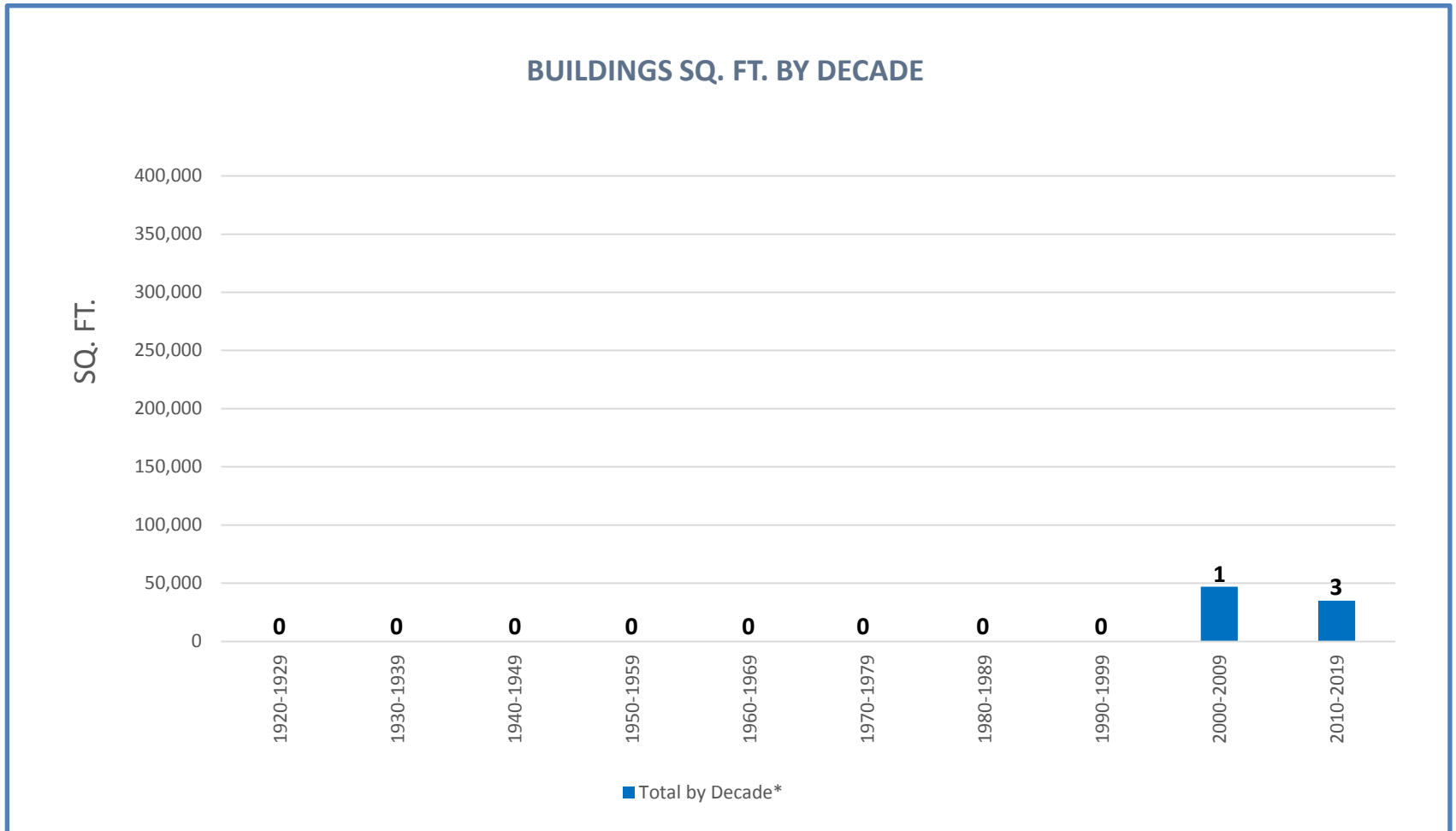


### BUILDINGS SQ. FT. BY DECADE



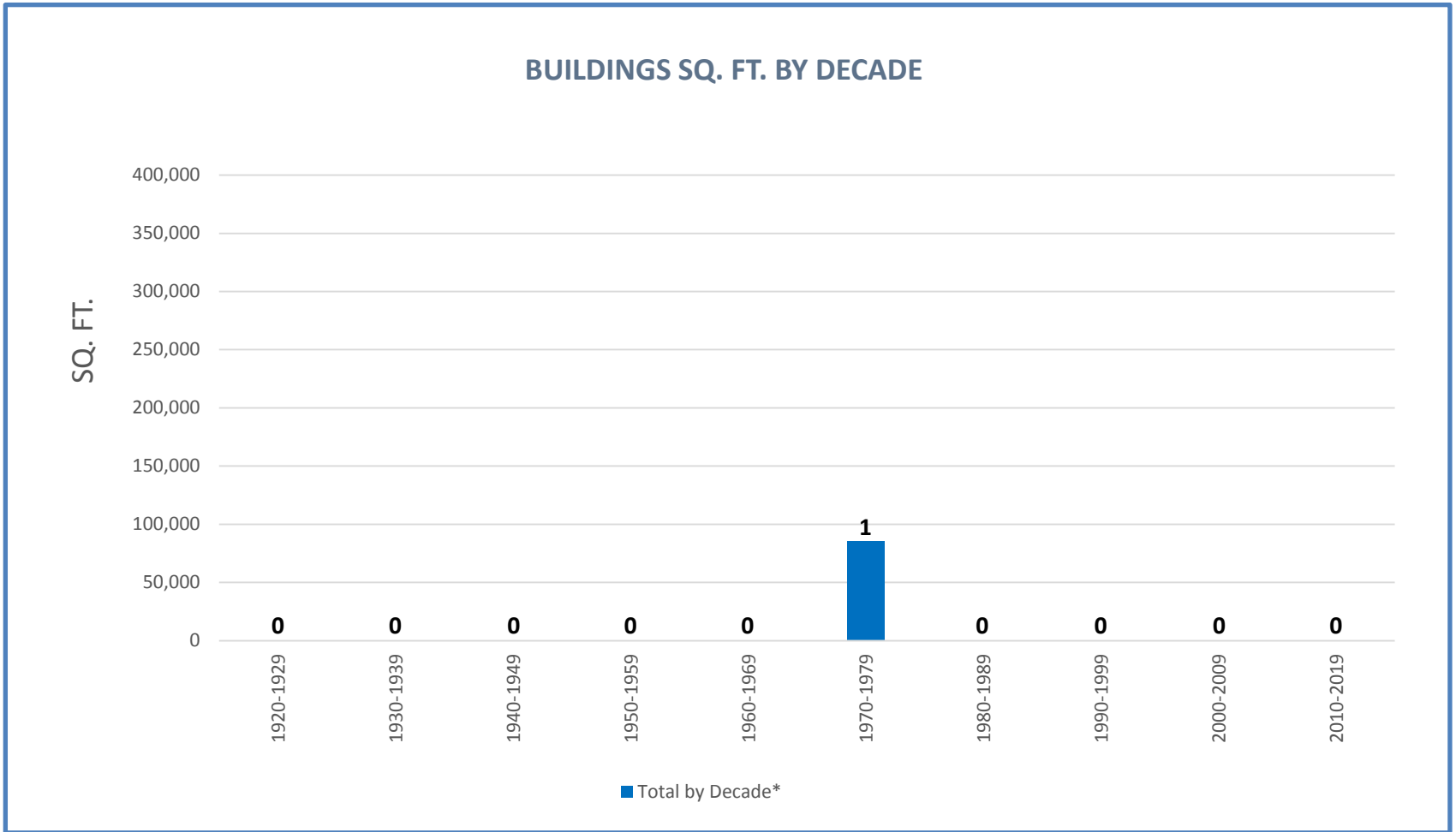
SQ. FT. % By Decade	0	0	2.07	0	8.69	27.63	0.32	15.79	10.55	34.95
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\*Excludes Storage Containers and Parking Structures



SQ. FT. % By Decade	0	0	0	0	0	0	0	0	0	57.3	42.7





SQ. FT. % By Decade	0	0	0	0	0	100	0	0	0	0
	0	0	0	0	0	100	0	0	0	0

# Cosmetic Renovation vs Full Modernization

## **Cosmetic Renovation**

- Painting
- Ceiling tile
- Floor Covering
- Lighting
- Fixtures
- Furniture & Equipment

## **Full Modernization= Cosmetic Renovation PLUS**

- Roofing
- Walls, Windows, & Foundations
- Plumbing
- Electrical
- Technology
- Sewer
- Infrastructure to & from buildings:  
Gas lines, sewer lines, water lines,  
electrical lines (high voltage), etc.

# Modernization vs. New Construction

- Full modernization can cost more than new construction & demolition
- If cost of alteration, addition or reconstruction is greater than 50% of replacement building value:
  - Project is required to be in full compliance with currently effective regulations. Title 24, Part 1, section 4-309 of the California Administrative Code
- Full compliance with current regulations & structural rehabilitation of a Field Act building will often exceed the cost of demolition and new construction

# Local Bond Funding

- Total Voter Approved Measures: \$5.725B\*
  - 2001 Proposition A: \$1.245 B
  - 2005 Proposition AA: \$980 M
  - 2008 Measure J : \$3.5M
- Contracted: \$5.13B
- To be Contracted: \$1.13B (18%)
- Major Buildings Constructed: 117
- Major Buildings Renovated: 44
- Types of Buildings:

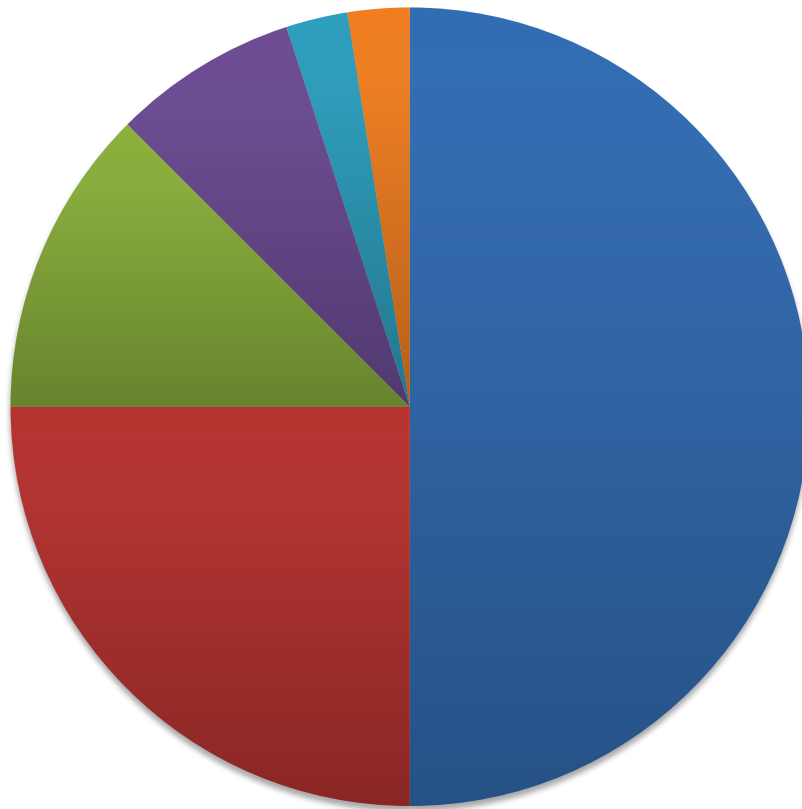
Libraries	Math & Science
Student Centers	Learning Resource Centers
Athletic Facilities & Fields	Performing Arts Centers
Parking Structures	General Classroom
Theater Arts	Child Development Centers
Technology Centers	Administrative Centers

\*With Interest, State and Federal Funds: \$6.265B

# State Funding Resources

- NOT currently eligible for funding: Student centers, stadiums, dorms, parking and single-purpose auditoriums
- Often matching funds are required with State Funded Projects
- The State has not funded any New Capital Outlay Projects for the last 10 years
- All Community Colleges compete against each other for State Capital Outlay Funds
- District submitted three Final Project Proposals (FPPs) in 2014-2015 for consideration in 2016-2017
  - The FPP's were:
    - ELAC: G9 Replacement and Addition
    - LACC: Theater Arts Replacement
    - LATTC: Cypress Hall (D) Replacement

# State Funding Allocation Criteria



- Health & Safety Projects (50%)
- Growth in Instructional Space (25%)
- Modernization of Instructional Space (12.5%)
- Complete Campus Projects (7.5%)
- Growth in Instructional Space (2.5%)
- Modernization of Instructional Support (2.5%)



# Facilities Condition Assessment (FCA)

- Facilities Condition Assessment – is the process of developing a comprehensive picture of physical conditions and the functional performance of buildings and infrastructure .
- State performs LACCD's FCA every three years
  - LACCD's facilities are currently being assessed by the State
  - Last FCA was performed by the State in 2013



# Facilities Condition Index (FCI)

- Facilities Condition Index - is an industry standard asset management tool which measures an asset's condition at a specific point in time.
- Formula:

$$\text{FCI} = \frac{\text{Maintenance, Repair \& Replacement Deficiencies of Facilities}^*}{\text{Current Replacement Value of Facilities}^*}$$

\*Information from FCA

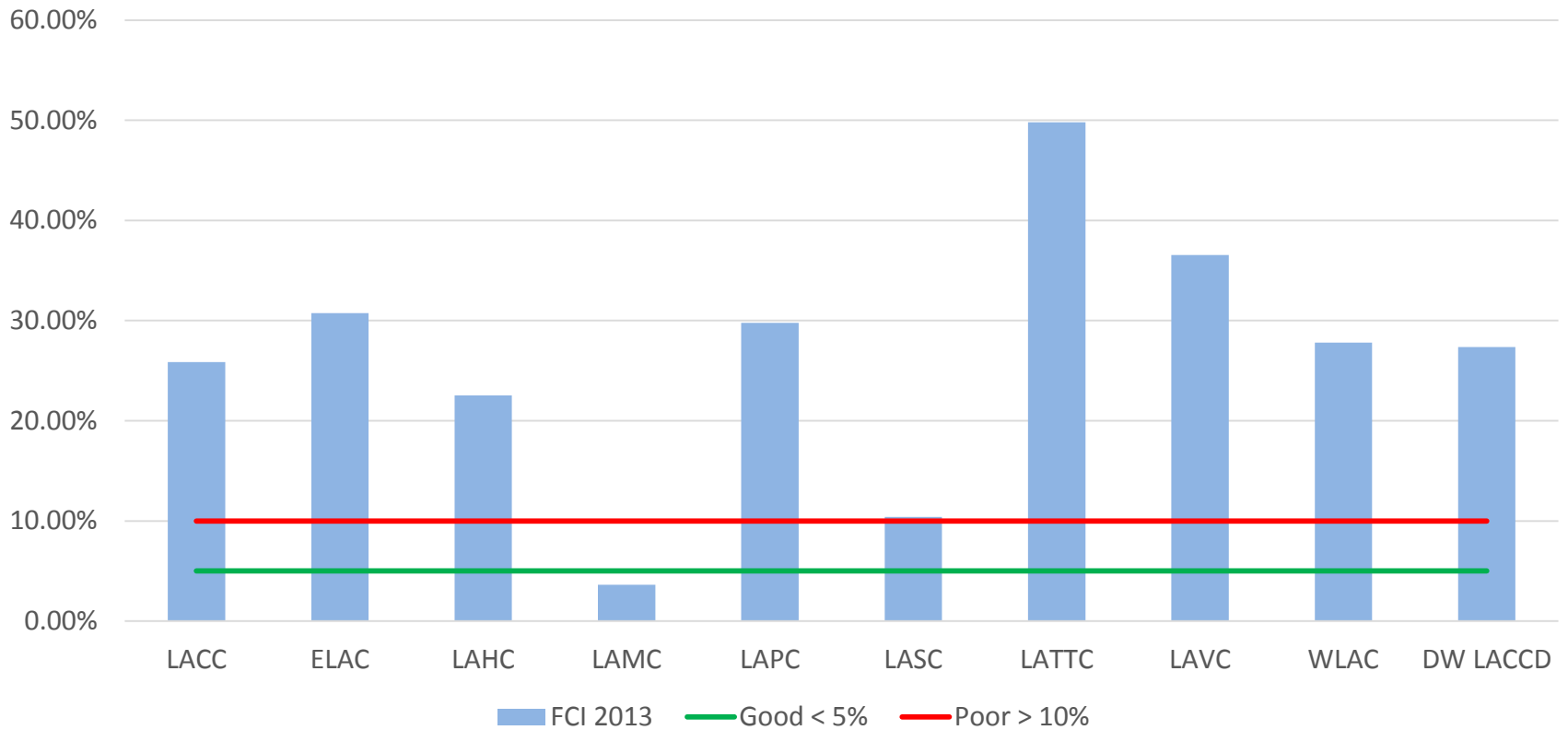


# Facilities Condition Index

Location	Assessment Date 2010	Assessment Date 2013	FCI Change
Los Angeles City College (LACC)	37.30%	25.87%	-11.43%
East Los Angeles College (ELAC)	41.45%	30.74%	-10.71%
Los Angeles Harbor College (LAHC)	37.28%	22.54%	-14.74%
Los Angeles Mission College (LAMC)	4.86%	3.63%	-1.23%
Los Angeles Pierce College (LAPC)	39.90%	29.77%	-10.13%
Los Angeles Southwest College (LASC)	14.16%	10.39%	-3.77%
Los Angeles Trade-Tech College (LATTTC)	67.63%	49.80%	-17.83%
Los Angeles Valley College (LAVC)	49.33%	36.56%	-12.77%
West Los Angeles College (WLAC)	36.49%	27.81%	-8.68%
<b>District-wide (LACCD)</b>	<b>37.88%</b>	<b>27.37%</b>	<b>-10.51%</b>
<b>Facilities condition standards:</b>			
Good: under 5%			
Fair: 5%-10%			
Poor: over 10%			

Based on FUSION Assessment Module (FCI Reports)

# LACCD's FCI compared with Standard



# Square Footage

Location	GSF 2001	GSF 2015	GSF Change	% Change
Los Angeles City College (LACC)	783,605	1,534,550	750,945	95.83%
East Los Angeles College (ELAC)	620,217	1,998,077	1,377,860	222.16%
Firestone & South Gate	49,794	475,253*	425,459	854.44%
Los Angeles Harbor College (LAHC)	422,226	868,739	446,513	105.75%
Los Angeles Mission College (LAMC)	233,174	905,938	672,764	288.52%
Los Angeles Pierce College (LAPC)	585,371	985,669	400,298	68.38%
Los Angeles Southwest College (LASC)	389,815	989,164	599,349	153.75%
Los Angeles Trade-Tech College (LATTC)	780,561	1,302,945	522,384	66.92%
Los Angeles Valley College (LAVC)	611,360	1,227,380	616,020	100.76%
West Los Angeles College (WLAC)	442,801	900,114	457,313	103.28%
District Office / District Controlled Locations	87,547	87,107	-440	-0.50%
Van De Kamp	0	82,030	82,030	
<b>District-wide (LACCD)</b>	<b>5,006,471</b>	<b>11,356,966</b>	<b>6,350,495</b>	<b>126.85%</b>

\*FUSION excludes 586,921 sq. ft., Firestone Buildings 3 and 4, due to plans for demolition

# Future Needs

- Security Concerns
- Health & Safety Requirements
- Infrastructure Upgrades
- Accessibility Needs
- Landscape Improvements
- Storm Water Improvements
- Water Conservation Projects
- Sidewalk & Roadway Improvements
- Major Capital Renewals/Repairs
- Aligning of the Facilities Master Plan with the Educational Master Plan
- Improve Building Efficiencies
- Improve Space Utilization
- Demolition of Old Structures
- Unfunded Projects

# Facilities Impact

- Los Angeles Valley College
  - Allied Health and Science Center
  - Educate highly trained healthcare workers
  - Advanced simulation labs



# Facilities Impact

- Los Angeles Pierce College
  - Student Services Building
  - Supporting the needs of the modern student



# Facilities Impact

- Los Angeles Mission College
  - East Campus Complex
  - Facilities for STEM Science Success Center
  - Labs required for transfer



# Facilities Impact

- West Los Angeles College
  - Math and Science Building
  - Provides the facilities for the new Baccalaureate degree in Dental Hygiene





# Educational Needs Drive Planning

- District Strategic Plan
  - Provide a learner-centered **learning environment** that encourages **active learning** and student engagement
  - Increase the number of students who complete **career-focused certificates** in a timely manner...

# Educational Planning Across LACCD

- Increasing student success and academic excellence through **student-centered** instruction, student-centered support services, and dynamic technologies **(East)**
- Ensure campus facilities and technology support priorities of **student learning and success. (City)**
- Reorganize LATTC's current instructional activities into LATTC **Pathways** to Academic, Career, and Transfer Success **(Trade)**

# Educational Planning Across LACCD

- Promote **student engagement** in campus life through creation and/or enhancement of inviting spaces (**West**)
- Provide **orientation, assessment and educational plans** to all new students before they enroll in their first semester (**Harbor**)
- Expand **educational partnerships** that bring community events and community members to the campus for educational, cultural, social, and recreational activities (**Pierce**)

# Our Shared Directions

- Improved student engagement
- Comprehensive student support
- Defined pathways and first-year experience programs
- Equity-minded programming
- Streamlined transfer processes
- Community building and community engagement

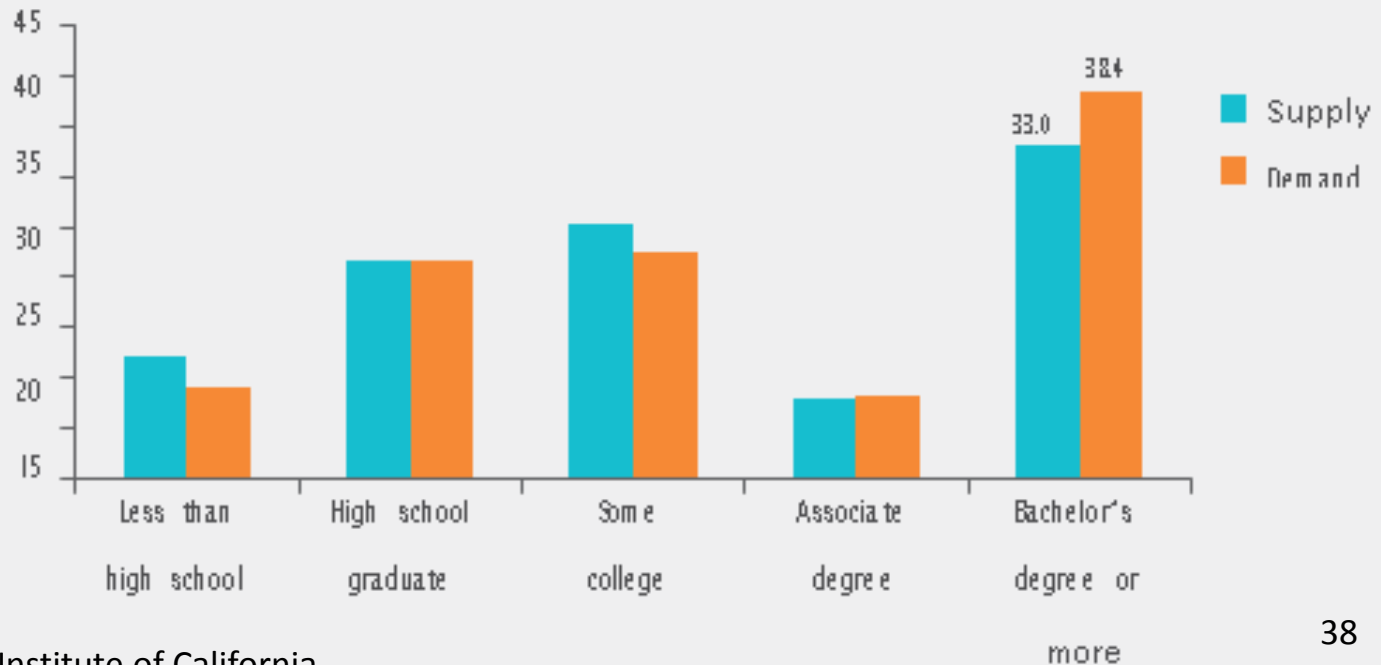
# Evolving Focus

- AB 288 – College and Career Access Pathways (CCAP)
- SB 1456 – Student Success Act
- SB 1440 – Transfer degrees
- AB 86/104 – Adult education and change in funding rate
- Los Angeles Promise
- Doing What Matters
  - Develop and broadly publicize industry-informed **career pathways** that prepare students for jobs needed within the **regional labor market**.

# Regional Shift

- Reduced net migration into California
- Need for additional graduates to support economy

BY 2025, CALIFORNIA MAY FACE A SHORTAGE OF HIGHLY EDUCATED WORKERS



# Modernizing for Student Needs

- Student support
  - New model for student support services
  - Ensuring all students receive effective services
  - Provide appropriate space for addressing equity
- Adapting to technology and millennial users
  - Modernized infrastructure to upgrade instructional and support functions
  - Modernize classrooms for enhanced engagement with future students
  - Provide the backbone for future changes



# Modernizing for Student Needs

- Preparing for 21<sup>st</sup> century jobs
  - Updated facilities to support the regional needs
    - Advanced Manufacturing
    - Advanced Transportation
    - Global Trade & Logistics
    - Health/Health Information Technology
    - Information and Communications Technologies (ICT)
    - Life Sciences/Biotech
  - Apprenticeships and job placement
  - Physical space for engaging business and industry



# Modernizing for Student Needs

- Transfer
  - Meet increased demand for baccalaureate completion
  - Meet increased need for required lab science instruction
  - Provide effective and efficient learning support
  - Ensure facilities and technology allow for student success initiatives
  - Flexibility for future curricular innovation

# Modernizing for Student Needs

- Student Safety
  - Address Blue Ribbon Panel Recommendations
    - Public address and communication systems
    - Physical security surveillance systems
    - Campus lockdown abilities
  - Ensure equitable access for students with disabilities
- Workplace environment
  - Office space for incoming faculty
  - Venues to collaborate