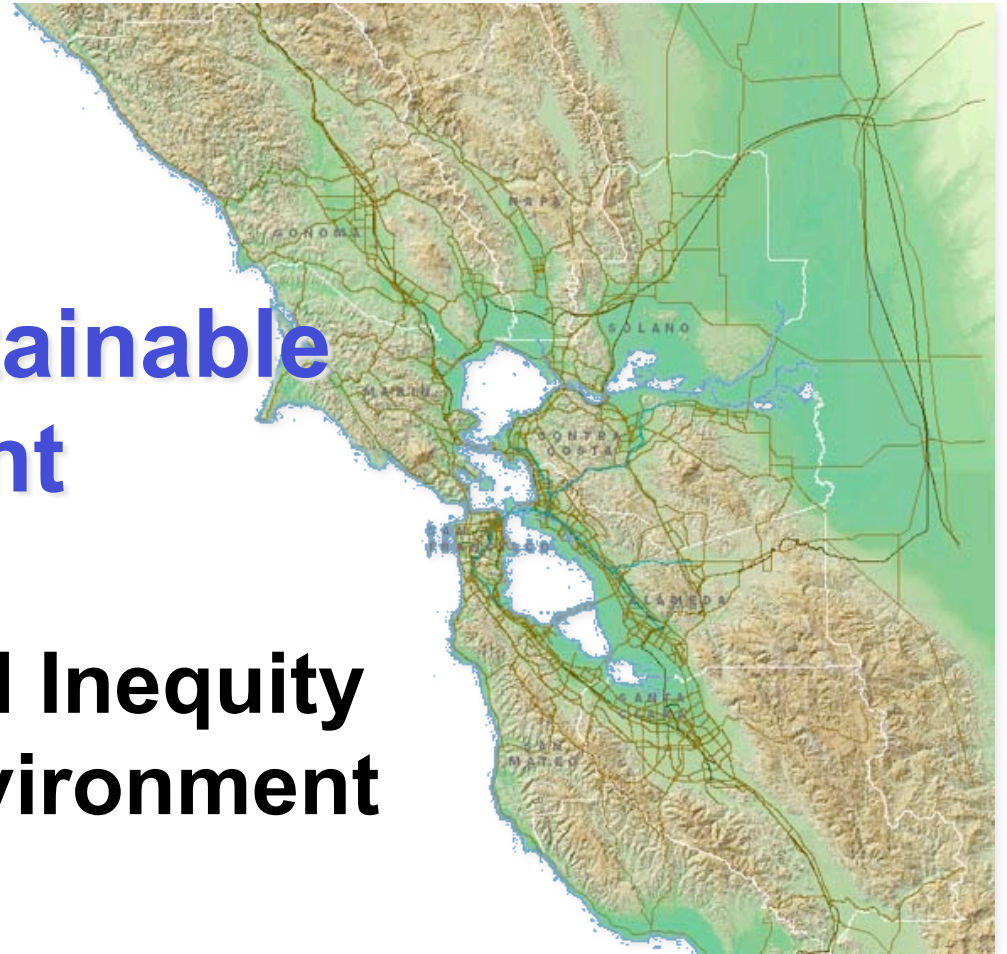


# **Schools and Sustainable Development**

## **Undoing Educational Inequity through the Built Environment**



New Partners for Smart Growth  
Marisa Raya, Regional Planner  
Association of Bay Area Governments

# Blueprint for a Sustainable Region: CA Senate Bill 375 (2008)

- Landmark legislation for California on land use, transportation and environmental planning, connecting housing and greenhouse gas reduction
- Creates a new regional planning framework, but also legitimizes past local and regional efforts to promote infill and urban development



A topographic map of the San Francisco Bay Area, showing the bay, surrounding hills, and major cities. The map is partially obscured by a red-bordered box containing the title and a list of policy points.

# Climate Change Policy = Housing Policy

1. Reduce greenhouse gas emissions from driving in the Bay Area by 15% by 2035
2. House the region's population at all income levels without displacing current residents



# Putting Schools on the Map

## Regional Goal

- **Complete Communities with quality services and amenities**
- **Improved public health outcomes**
- **Sustainable transportation system**
- **Public agency alignment around outcomes**

## • School Impact

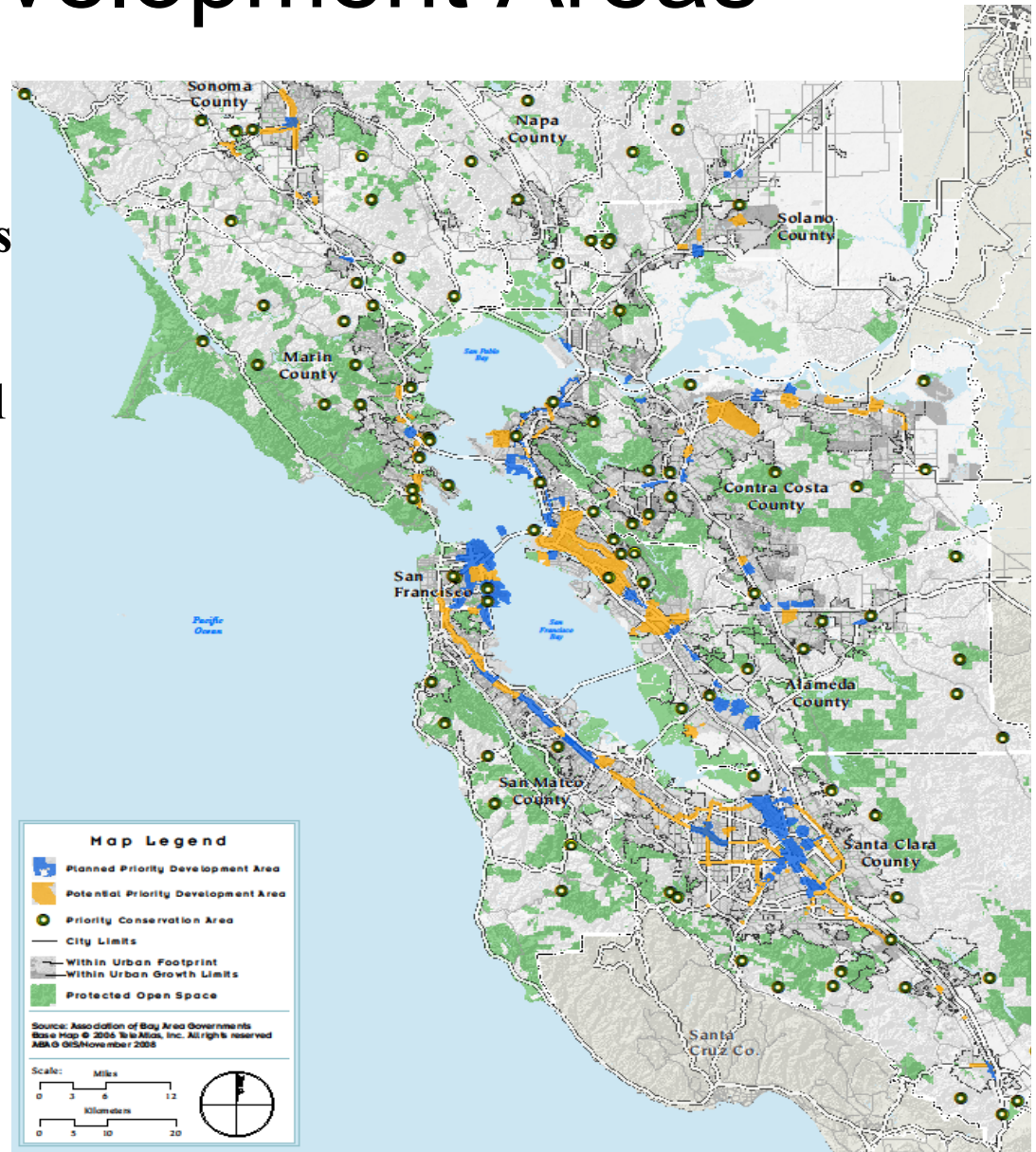
- **Schools drive location and access to opportunity**
- **Move to increase walking and biking**
- **12% of trips are school-based**
- **35% of state budget goes to education**

# Priority Development Areas

## PDAs: Priority Development Areas

Locally-nominated areas for sustainable development supported by planning and capital grants

- Existing Communities
- Near Transit
- Planned for more housing
- Most potential for transformation
- Where we want future residents to live



# Challenges to School Collaboration:

## “Yield by Product Type”

	Market Rate	Affordable to Moderate Income Households	Affordable to Low or Very Low Income Households
<b>Market Rate Units</b>			
Condominiums/THs	0.07	0.00	0.13
Condominiums/Lofts	0.00	0.00	0.00
Condominiums	0.007	0.10	0.20
Units in Small Apt Complexes	0.23	0.00*	no units
Units in Large Apt Complexes	0.01	0.03*	0.25
Developments that are 100% Affordable	no units	0.31*	0.87
Single Family Units (Houses)	0.53	no units	no units
Duplexes	0.21	no units	no units
Triplexes	0.22	no units	no units
Fourplexes	0.26	no units	no units
Low quality Housing	0.23	no units	no units
Senior Housing	0.02	no units	no units

\* small sample size

Source: Lapkoff and Gobalet Demographic Research for Emeryville Unified

# PDA School Assessment

1. Quality

2. Physical Access

3. Public/Private

4. Collaboration



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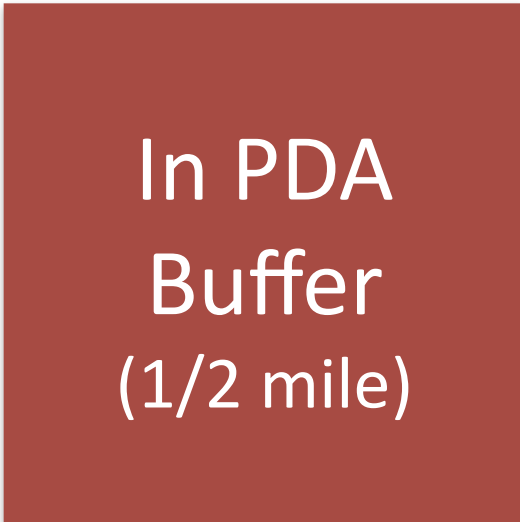
# School Quality: Characteristics and Performance

1. Student Characteristics
2. School Performance
3. (Staff Characteristics)
4. School Characteristics

# 3 Categories of Public Schools



In PDA



In PDA  
Buffer  
(1/2 mile)



Not In PDA

# 11% of Bay Area public schools are in PDAs

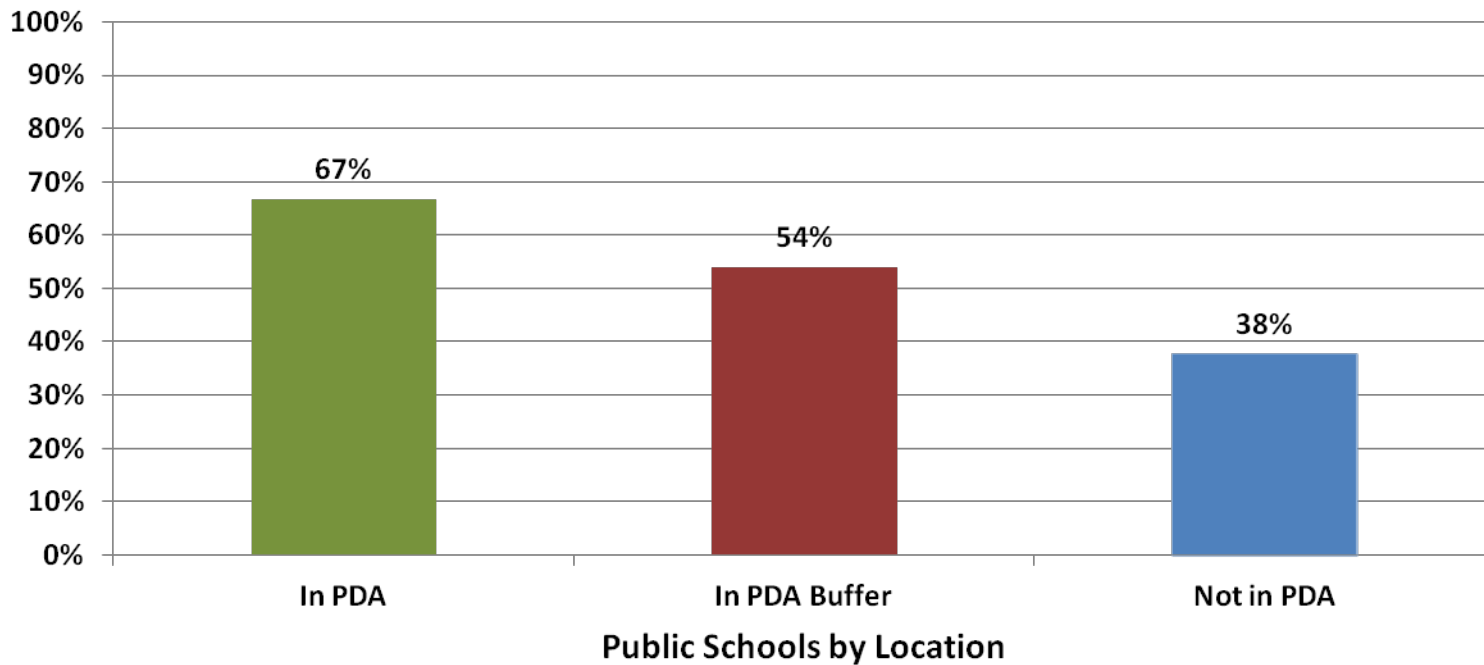
Public School Type	Location			Bay Area Total
	In PDA	In PDA Buffer	Not In PDA	
Elementary School	102	195	732	1,029
Middle Schools*	23	44	182	249
High School	47	46	132	226
Other**	27	48	261	335
<b>Total</b>	<b>199 (11%)</b>	<b>333 (18%)</b>	<b>1,307 (71%)</b>	<b>1,839 (100%)</b>

\*Middle Schools include those classified as Intermediate Schools and Junior High Schools by CDE.

\*\*Other includes Adult Education Centers, Alternative Schools of Choice, Continuation High Schools, County Community, District Community Day Schools, Juvenile Court Schools, K-12, Opportunity Schools, Preschools, ROC/ROP, and Special Educational Schools.

# PDA schools enroll more students who live in poverty

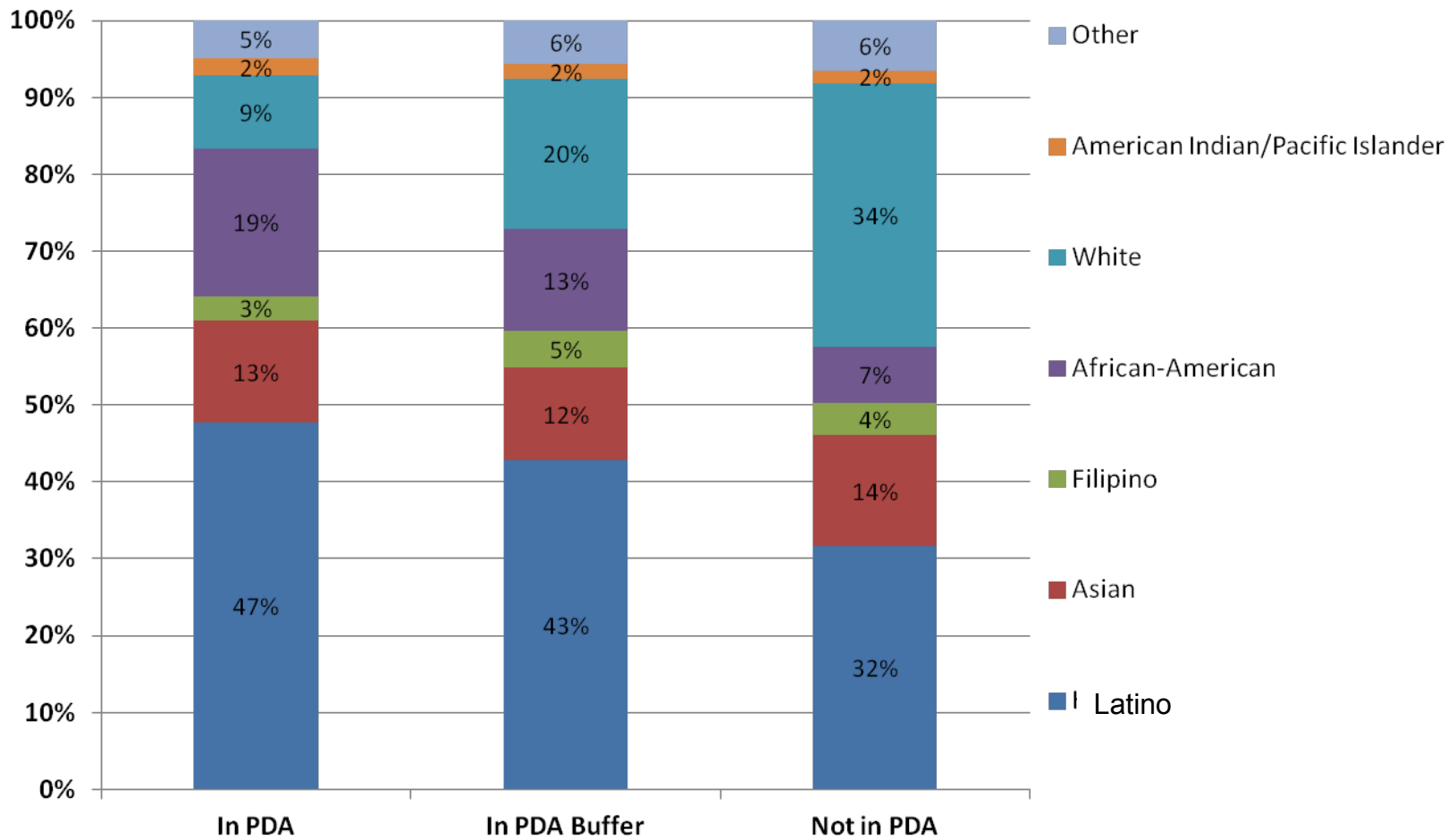
Average School-Level Percent of Bay Area Public School Students who Qualify for Free/Reduced Lunch Program 2009-2010



9-County Bay Area Average = 44%

# School demographic profiles vary across the region

Average School-Level Percent of Student Ethnicity  
2009-2010

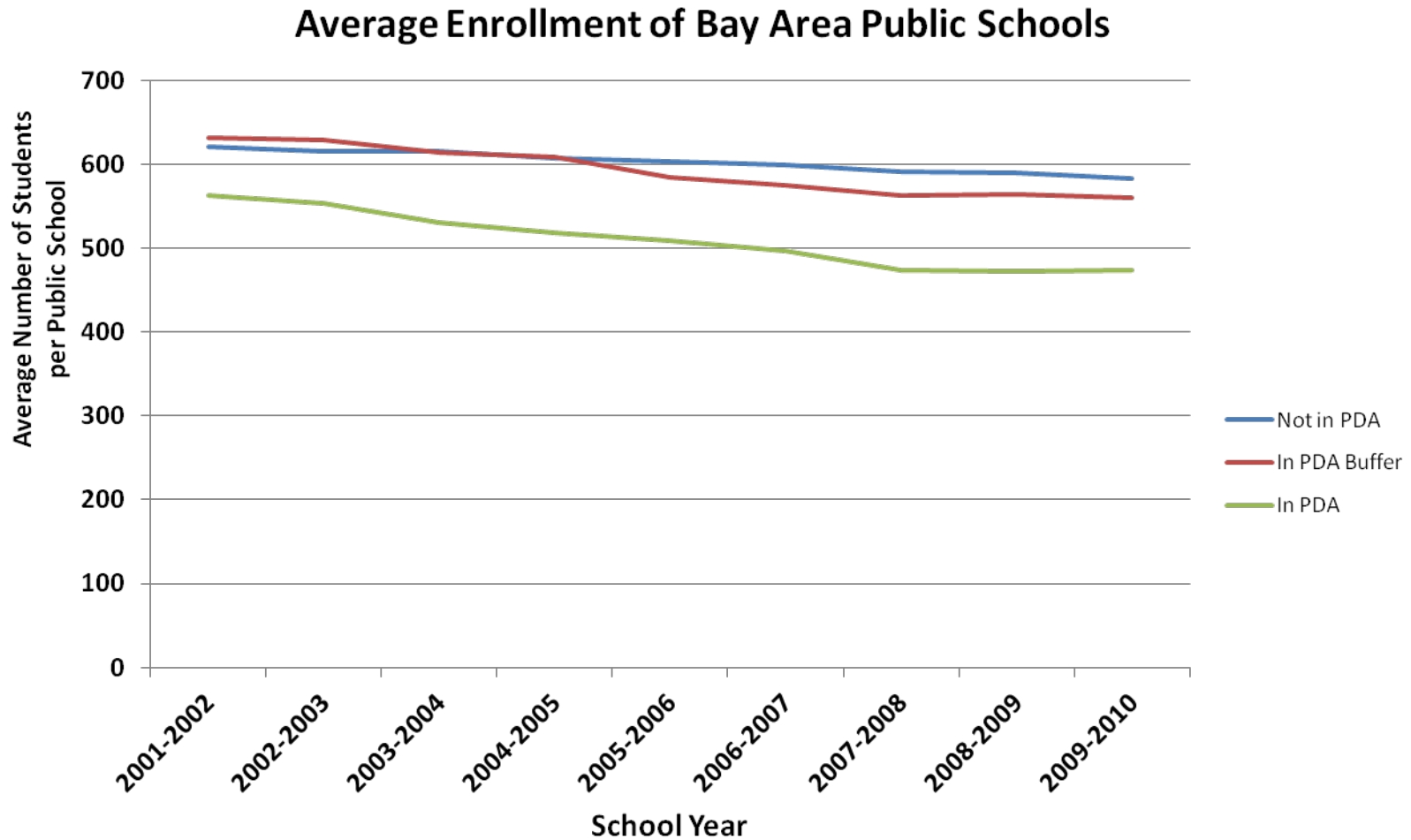


\*Other includes: Two or More and Non-Reported

# PDAs have a higher percentage of charter schools

Public School Type	Location			Bay Area Total
	In PDA	In PDA Buffer	Not In PDA	
All Public Schools	199	333	1,307	1,839
Charter Schools	42	33	101	176
<i>Percent Charter</i>	<b>21%</b>	<b>10%</b>	<b>8%</b>	<b>10%</b>

# Average school size has declined





# Planned PDA Assessment: Schools

1. Quality

**2. Physical Access**

3. Public/Private

4. Collaboration



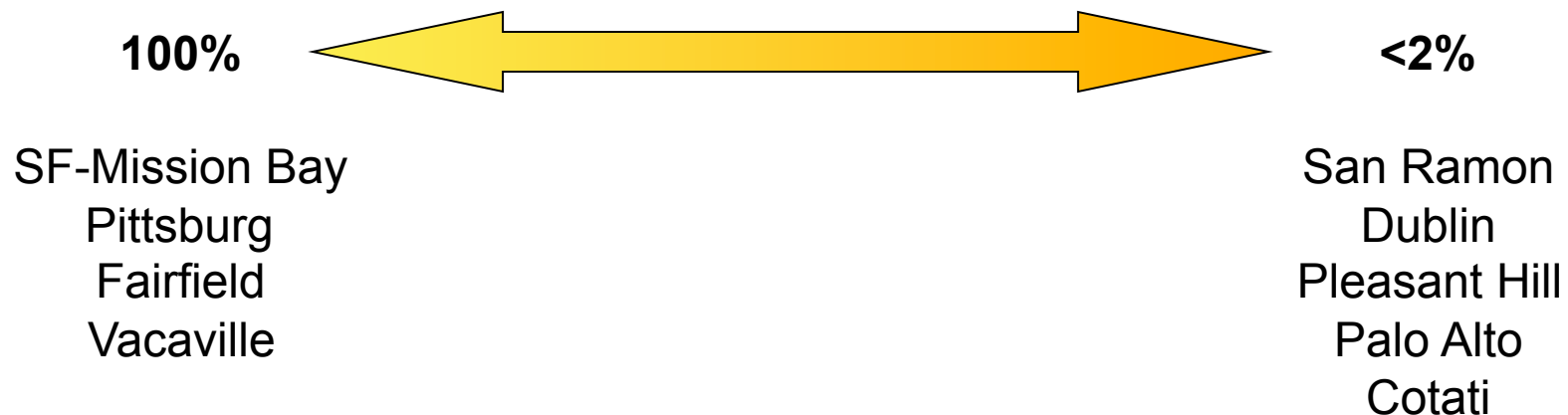
# Physical Access - Transit

Planned PDA Transit service that stops within a ¼ mile walk of a public school

Average AM and PM Headways	Rank	#PDAs
<i>Avg. Headway &gt;1 min and &lt; 20 min</i>	Great/Good	15
<i>Avg. Headway &gt;20 min and &lt; 40 min</i>	Fair	30
<i>Avg. Headway &gt;40 min and &lt; 60 min</i>	Low	23
<i>Avg. Headway &gt; 60 min</i>	Very Low	22
<i>No direct transit from PDA stops within 1/4 mile of a Public School</i>		2
Total PDAs		92

# Physical Access - Walkability

- Used GIS to analyze what % of residential or mixed-use land was within ½ mile of a school.
- 50% of planned PDAs have at least one school within a half-mile walk of most residential or mixed-use neighborhoods
- 12 Planned PDAs do not have a school within a half-mile walk of residential or mixed-use neighborhoods



# Planned PDA Assessment: Schools

- 1 Quality
- 2 Physical Access
- 3 Public/Private**
- 4 Collaboration



# Public and Private



- Total Private Schools (2008): **735**
- Total Public Schools (2009): **1839**
- 1.14 Million K-12 age children in the 9 Counties
  - 13.5% are in Private Schools.



# Private Schools: PDA City Comparison

- Private school attendance in San Mateo, San Francisco, and Marin Counties is double that of other counties (SF highest at 25%)
- Correlated with median income as well as assignment policy
- Private school enrollment has decreased everywhere since 2001
- 78% of private schools have religious affiliation

# Planned PDA Assessment: Schools

1. Physical Access

2. Quality

3. Public/Private

**4. Collaboration**

# Collaboration: PDA Assessment Survey findings

1. **48** out of 73 survey respondents are collaborating with their School District (66%)
2. **39** out of 73 survey respondents have Joint use of City and School facilities (53%)
3. **3** Districts reported closures or potential closures (out of a 22% response rate.)
4. Only **11%** of Planned PDAs responded to the question about non-neighborhood based assignment policy
5. A few cities and schools are coordinating transit services and planning input.



# Progress Thus Far

- Frame for connecting schools and regional sustainability
- School indicators and “Neighborhoods of Opportunity” concept for Advisory Groups
- Some district interest – Oakland Unified currently assessing closures and future needs – while other districts, such as San Jose, continue to struggle over impact fees
- Next steps?

