Bay Area Rapid Transit

GEOInovo Solutions

Study Session: Introduction to Redistricting

Presentation

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GEOinovo Team

Luciane Musa,
Contract Administrator

Jesus Garcia,
Demographer

Alex Sainz,
Project Manager

- ❑ 30+ years of GIS experience
- ❑ 30+ years of demography experience
- ❑ Expertise in Voting Rights laws
- ❑ Industry-leading technology tools

- ❑ US Census Population Division
- ❑ Redistricting Expertise
- ❑ Public-facing web-mapping tool
- ❑ Interactive dashboard

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Study Session

- Intro to Redistricting

- Project Plan

- Goal: Inform BART Board of Directors about redistricting

Intro to Redistricting

- Redistricting is the process of adjusting district lines every 10 years after the release of the US Census

- Federal (Congress), State, and Local government

- Goal: Create population-balanced districts for equal representation

Federal Voting Rights Act

- Section II, Federal Voting Rights Act of 1965

"Prohibits discrimination on the basis of race, color, or membership in a language minority group" – justice.gov

California Voting Rights Act (AB 182)

"…prohibits the use of an at-large election in a political subdivision if it would impair the ability of a protected class, as defined, to elect candidates of its choice or otherwise influence the outcome of an election."

- leginfo.legislature.ca.gov

- BART has implemented district-based elections to meet this requirement.

California Fair Maps Act (AB 849)

- Districts shall be geographically contiguous

- Maintain geographic integrity of neighborhoods or communities of interest

- Minimize the division of cities or census designated places

- Easily identifiable by natural and artificial barriers

- Geographic compactness

Supplemental Information

- Population-balanced districts

- Districts shall not favor or discriminate against a political party

- Existing BART district boundaries provide a baseline for demographic analysis

- Voting laws, data, community input

Community Engagement

- Critical element of the redistricting process

- Public hearings to enable community participation

- Community-based organizations

- Community outreach website, social media platforms, community venues, etc
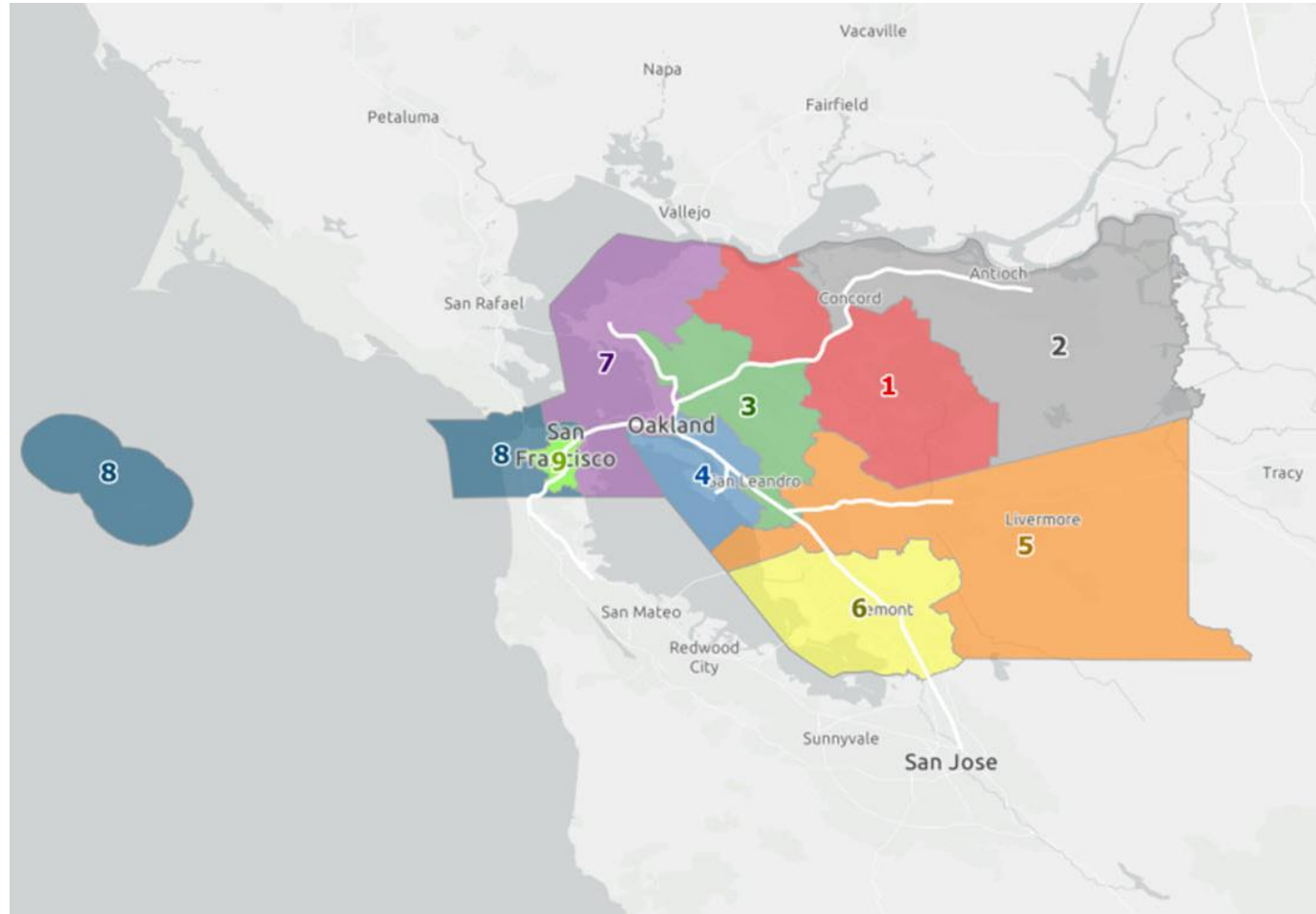
Information Resources

- Glossary of Terms on the BART redistricting website

- Map of existing district boundaries

- Links to information resources

- Links to community organizations/groups

- Digital dashboard and mapping

Redistricting Project Plan

1. Project Planning, Demographic Analysis

2. Community Meetings/Hearings/Input

3. Draft district boundaries

4. Presentation of draft maps

5. Adoption of Final Map

Current BART Districts
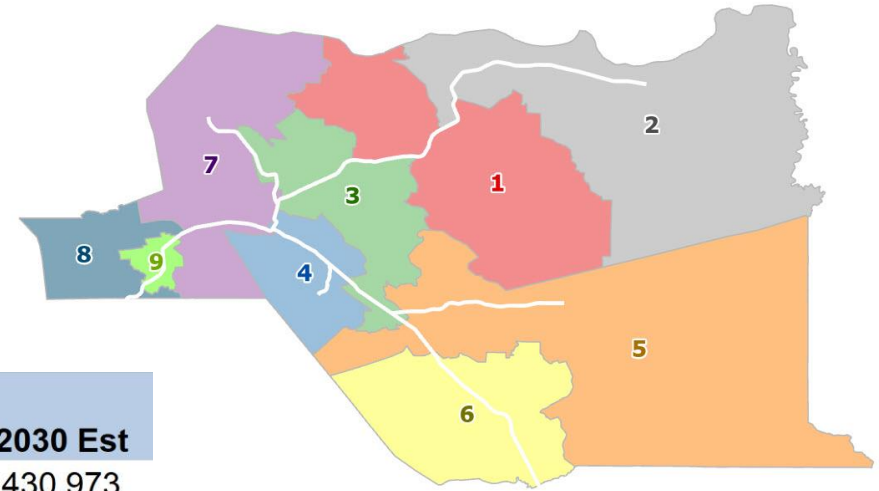
Current BART
District Demographics

BART District	Total Population	Percent Population	Latino	White	Black	American Indian / Alaska Native	Asian	Pac Islander	Other	More Races
District 1	411,386	100%	12.0%	55.5%	2.9%	0.9%	26.1%	0.3%	1.5%	0.8%
District 2	427,973	100%	37.1%	31.0%	12.6%	1.1%	14.6%	1.0%	1.2%	1.4%
District 3	403,126	100%	19.4%	43.9%	8.0%	0.6%	24.8%	0.5%	1.6%	1.1%
District 4	417,059	100%	30.1%	23.6%	18.6%	0.6%	23.7%	0.7%	1.1%	1.5%
District 5	436,794	100%	23.4%	33.7%	5.7%	0.8%	33.0%	1.1%	1.2%	1.1%
District 6	398,966	100%	19.2%	15.3%	3.5%	0.5%	58.6%	1.1%	0.8%	1.1%
District 7	443,300	100%	30.5%	23.4%	17.9%	0.7%	23.6%	0.7%	1.7%	1.6%
District 8	383,651	100%	11.1%	38.8%	3.3%	0.4%	43.9%	0.4%	1.4%	0.8%
District 9	404,174	100%	19.3%	42.6%	6.1%	0.7%	28.5%	0.3%	1.5%	1.0%
Total	3,726,429	100%	22.7%	34.1%	8.9%	0.7%	30.4%	0.7%	1.3%	1.2%

Projections (2025, 2030) by Redistricting Hub 2020
Population data: Statewide 2021 Redistricting Database, adjusted for prisoner population (2020 U.S. Census)

BART Population Trends

- Overall growth since 2010 = 10.76%
- Greatest growth in District 7 (17.77%)
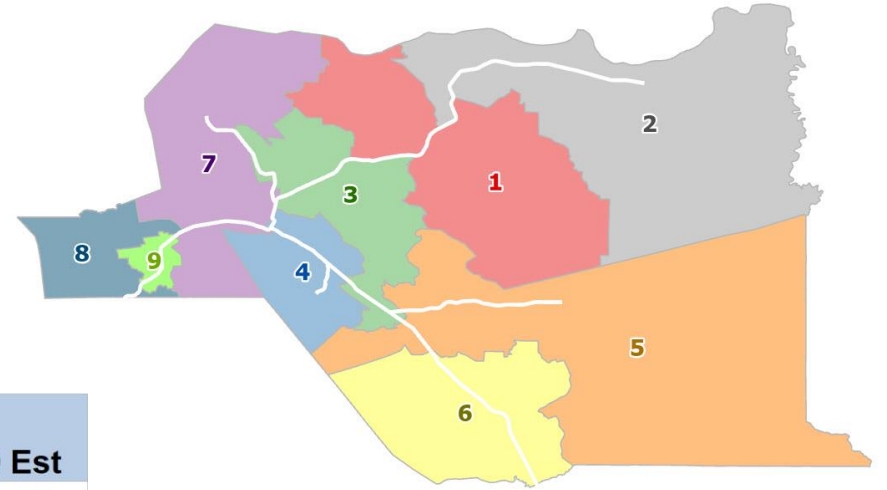- Projections for consistent population growth through 2030

YEAR	Pop 2010	Pop 2020	Pop. Change	Change %	2025 Est	2030 Est
District 1	375,919	411,386	35,467	9.43%	417,432	430,973
District 2	374,028	427,973	53,945	14.42%	437,515	455,276
District 3	373,516	403,126	29,610	7.93%	425,159	445,554
District 4	375,134	417,059	41,925	11.18%	429,053	449,585
District 5	373,940	436,794	62,854	16.81%	445,340	465,984
District 6	372,666	398,966	26,300	7.06%	431,953	453,806
District 7	376,414	443,300	66,886	17.77%	431,548	447,965
District 8	371,194	383,651	12,457	3.36%	424,299	444,042
District 9	371,637	404,174	32,537	8.76%	417,961	436,452
Total	3,364,448	3,726,429	361,981	10.76%	3,860,260	4,029,637

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BART Population Variance

- High population: 443,300 (District 7)
- Low population: 383,651 (District 8)

YEAR	Pop 2010	Variance 2010	Pop 2020	Variance 2020	2025 Est	2030 Est
District 1	375,919	0.56%	411,386	-0.64%	417,432	430,973
District 2	374,028	0.05%	427,973	3.36%	437,515	455,276
District 3	373,516	-0.08%	403,126	-2.64%	425,159	445,554
District 4	375,134	0.35%	417,059	0.73%	429,053	449,585
District 5	373,940	0.03%	436,794	5.49%	445,340	465,984
District 6	372,666	-0.31%	398,966	-3.64%	431,953	453,806
District 7	376,414	0.69%	443,300	7.06%	431,548	447,965
District 8	371,194	-0.70%	383,651	-7.34%	424,299	444,042
District 9	371,637	-0.59%	404,174	-2.38%	417,961	436,452
Total	3,364,448	1.26%	3,726,429	14.41%	3,860,260	4,029,637

- Variance from ideal (balanced): 14.41%
- Maximum variance should be <10%

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