

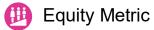
CONNECT NORTHERN CALIFORNIA

Initial Metrics for Evaluating Concepts



	GOAL A Transform the Passenger Experience	
Objective	Metric	Description
A1: Improved service	Rail travel time savings 🛛 🕮	Measures average potential time savings
	Possible one-seat rides	Measures the reduction in transfers required for rail travel in the megaregion
	Crowding reduction	Measures the change in standee crowding
A2: Network Performance	Reliability	Measures change in reliability / punctuality of the rail services
	Flexibility to meet future growth	Measures additional capacity available to accommodate growth
	Expected recovery time from incidents	Measures ability to quickly resume services following an incident
	Ability to maintain infrastructure	Measures the ability to maintain existing and new infrastructure
	System redundancy during closure of Transbay Crossing and other events	Measures how much of the service is operable following an event

GOAL A Transform the Passenger Experience		
Objective	Metric	Description
	Potential new riders	Measures the increase in total rail ridership and transbay ridership
ポポト A3: Build ridership	Rail and transit mode share	Measures relative attractiveness of different modes by measuring changes to mode shares
	Vehicle Miles Travelled (VMT) reduction	Measures reduction in traffic and other traffic related externalities
	GOAL B Promote Equity and Livability	
B 1:	Station access	Measures the first/last mile accessibility of stations
Enhance Connectivity	Jobs accessible	Measures changes in job accessibility by rail
	Access to important community resources	Measures changes in accessibility for non-work destinations (health, education, recreation, etc.)

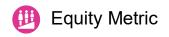


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	GOAL B Promote Equity and Livability		C (
Objective		Metric	Description	
~ ~~	B2: Improve safety,	Megaregional pollutant levels	Measures impact of reduced VMT on criteria air pollution	
ر کے	health & air quality	Auto-involved crashes	Measures impact of reduced VMT on road safety	
Caller (B3: Advance equity & community Stability and displacement	Advance equity and protect against community instability and displacement	Compilation of all the equity metrics (see 🕕)	



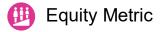
		GOAL C Support economic opportunity and global competitiveness		
		Metric	Description	
C1: Improve access to opportunity & employment		Jobs accessible to new service	Measures jobs located near stations with new rail service	
	Business access to potential employees	Measures changes in access by rail to the labor market for employers		
D1: Increase climate change resilience		GOAL D Advance environmental stewardship and protection		
	change resilience	Viability under different sea level rise inundation scenarios	Measures exposure of infrastructure to sea level rise	
S.	D2: Reduce greenhouse gas emissions	Greenhouse gas (GHG) emissions	Measures changes in GHG emissions from vehicles	1



Economic Case & Financial Case Metrics

	What is the economic benefit to the megaregion?		C
Objective	Metric	Description	2002
Economic Case Metrics	Monetized user benefits	Measures monetized travel time benefits	
	Monetized external benefits	Measures monetized air pollution benefits, safety benefits, and greenhouse gas benefits	
	Cost effectiveness	Relative comparison of benefits and costs	
✓ ^{\$} Financial	What are the financial implications?		
Case Metrics	Capital costs	Measures cost to build	

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Deliverability Case Risks

	How can the project be delivered and what are the key risks?	
Objective	Metric	Description
Deliverability Case Metrics	Engineering and construction risk	Measures potential risk associated with construction of the project
	Operations during construction risk	Measures potential risks associated with operations during construction
	Equitable land use – displacement risk	Assesses risk of indirect displacement around new or existing stations
	Equitable land use – land use policies	Assesses risk of not being able to develop transit-supportive land uses around a new or existing station
	Environmental risk	Identifies major potential environmental concerns with project concepts

