

UNIFIED CORRIDOR INVESTMENT STUDY

- SCENARIOS -

Highway 1



Soquel Ave/Dr



Rail Line



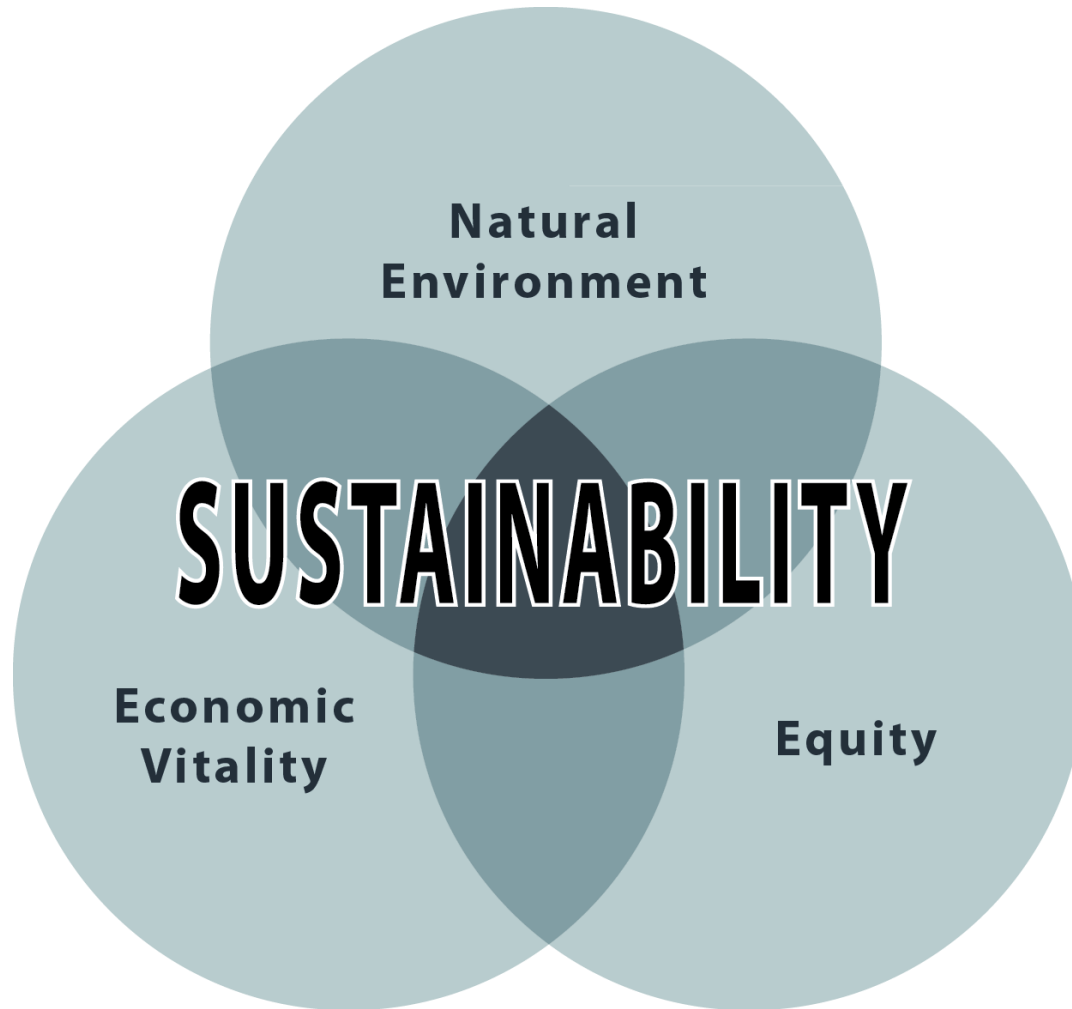
Ginger Dykaar & Grace Blakeslee
Santa Cruz County Regional Transportation Commission
June 15, 2017

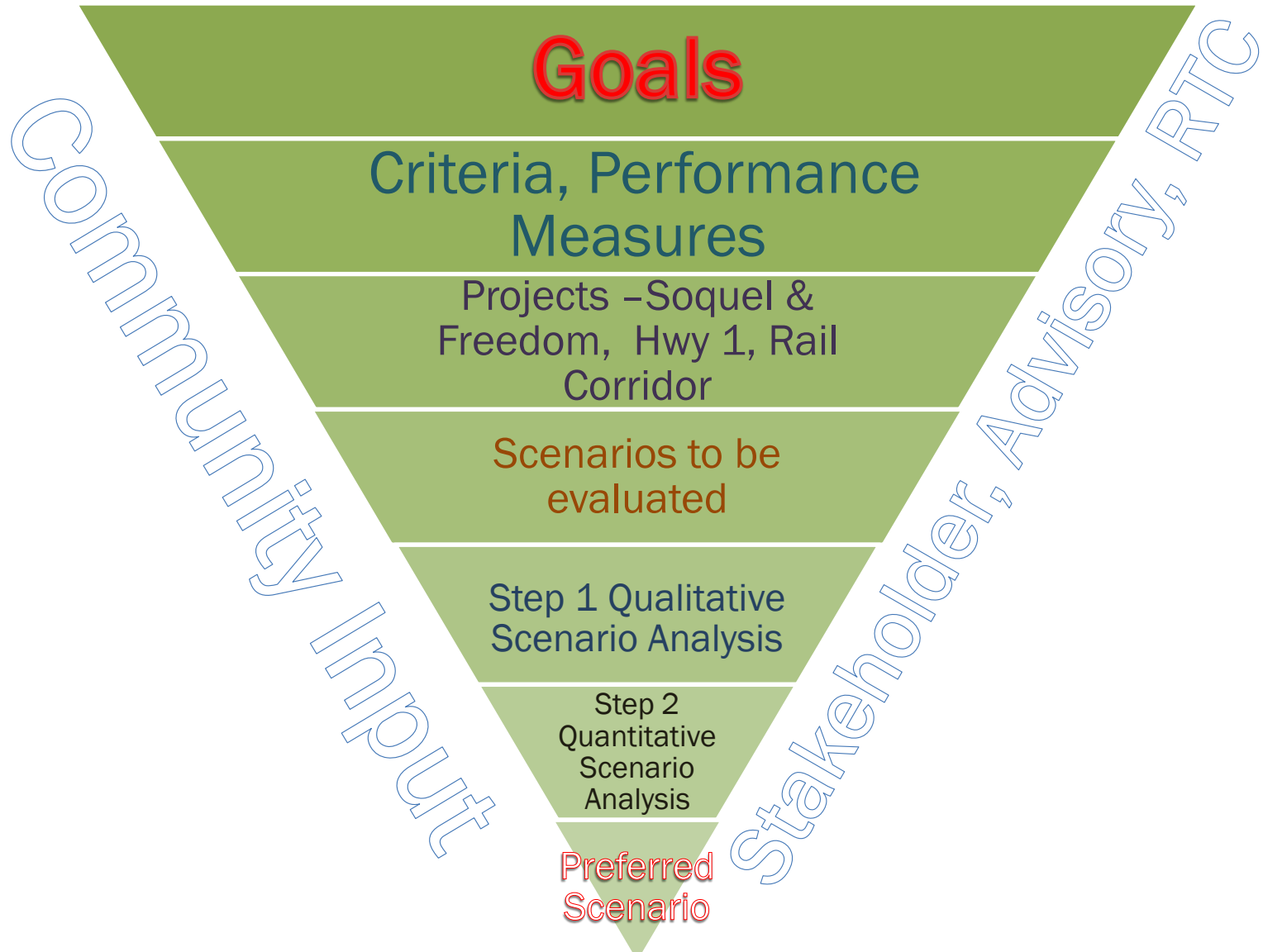


Project Area Map



Triple Bottom Line





Goals

Criteria, Performance Measures

Projects -Soquel & Freedom, Hwy 1, Rail Corridor

Scenarios to be evaluated

Step 1 Qualitative Scenario Analysis

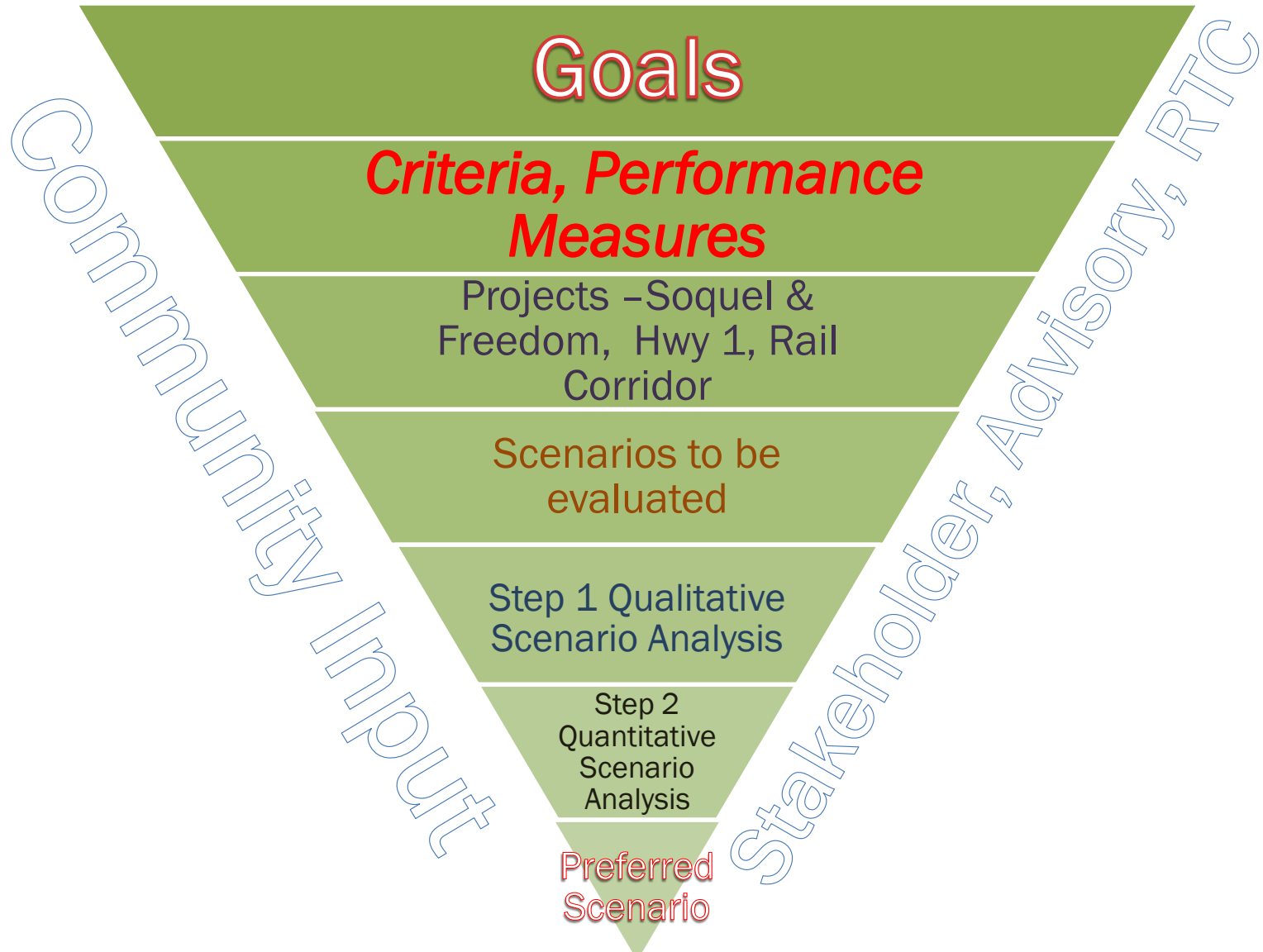
Step 2 Quantitative Scenario Analysis

Preferred Scenario

Community Input

Stakeholder, Advisory, RTC





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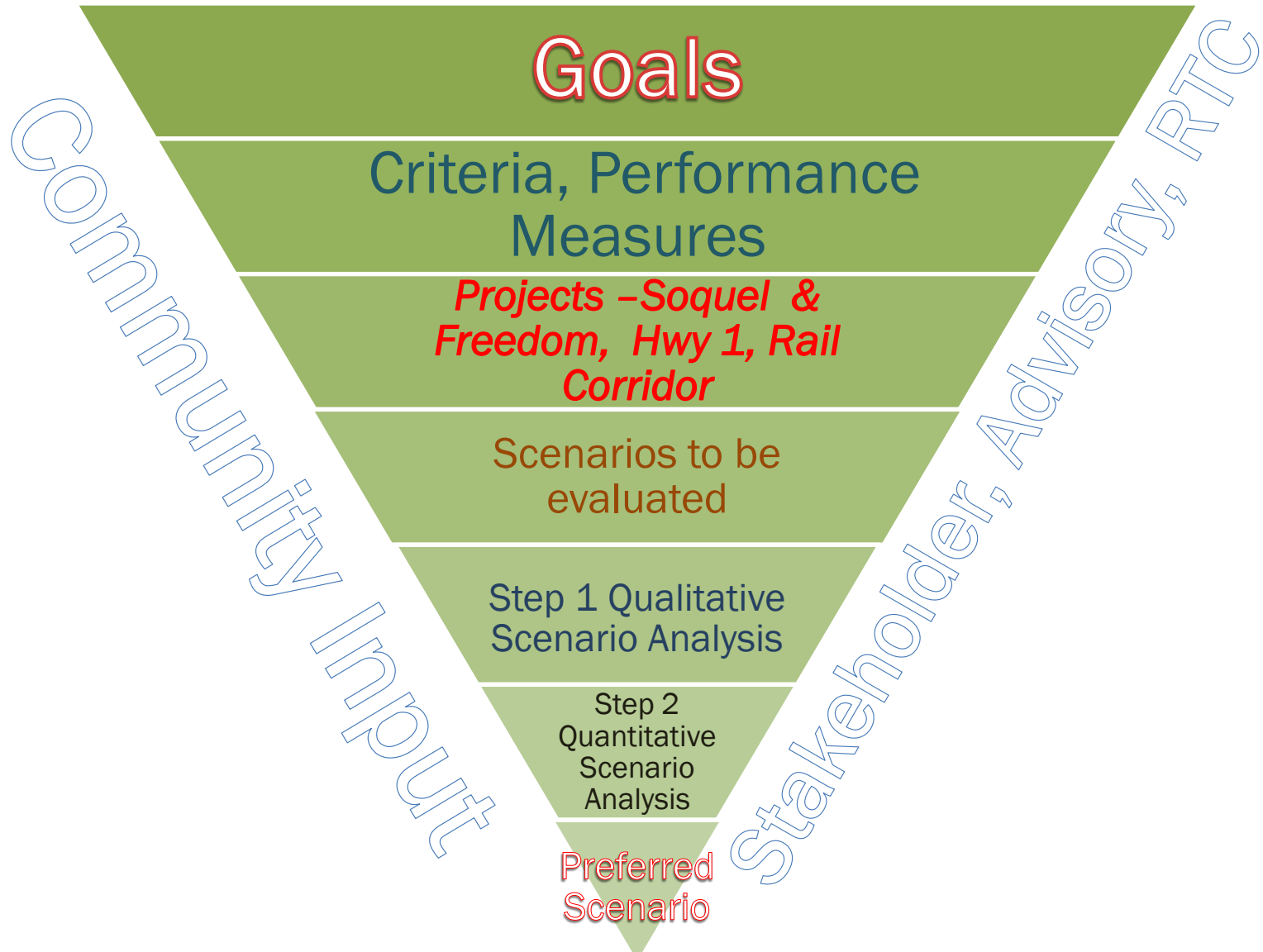
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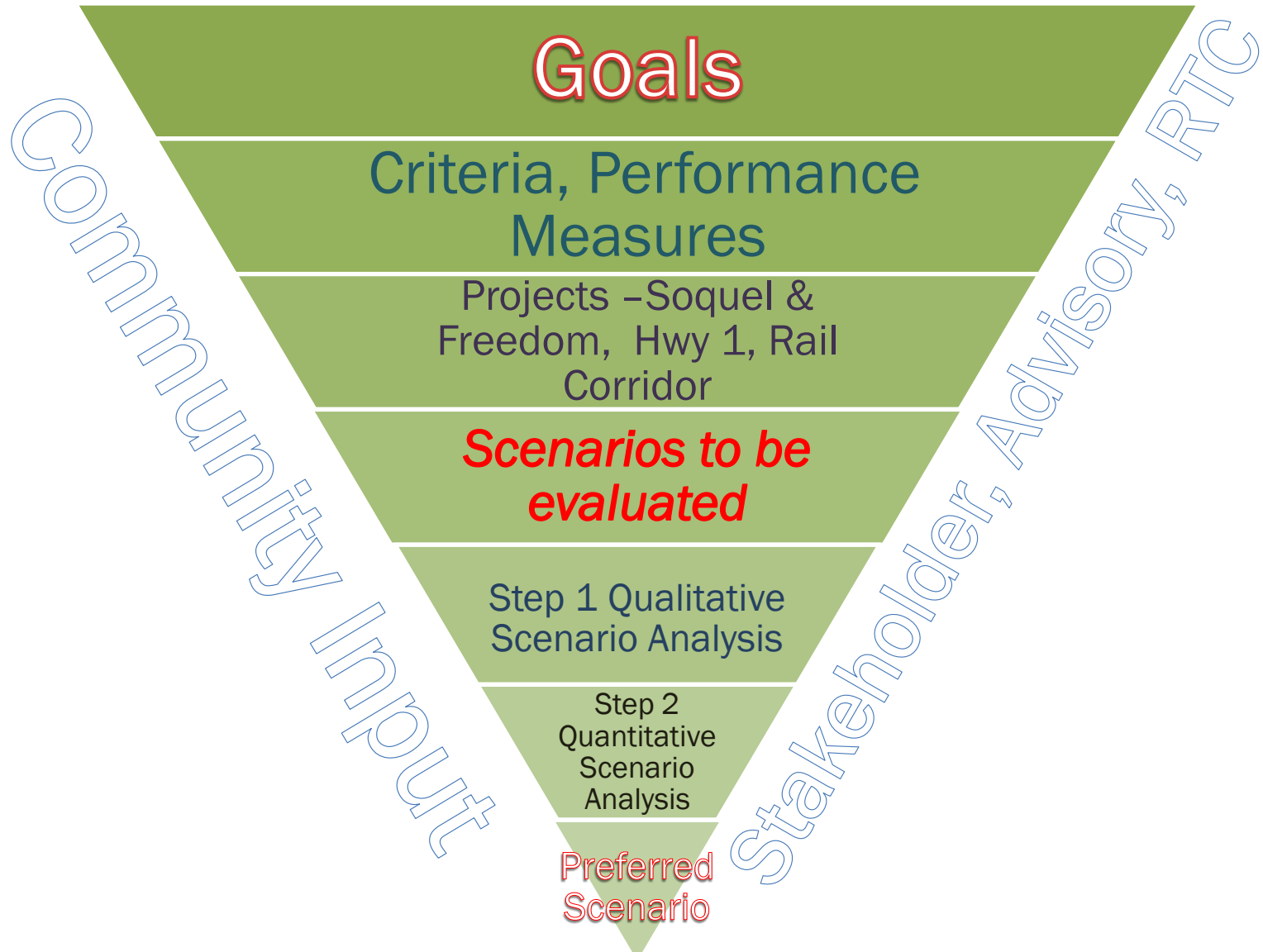
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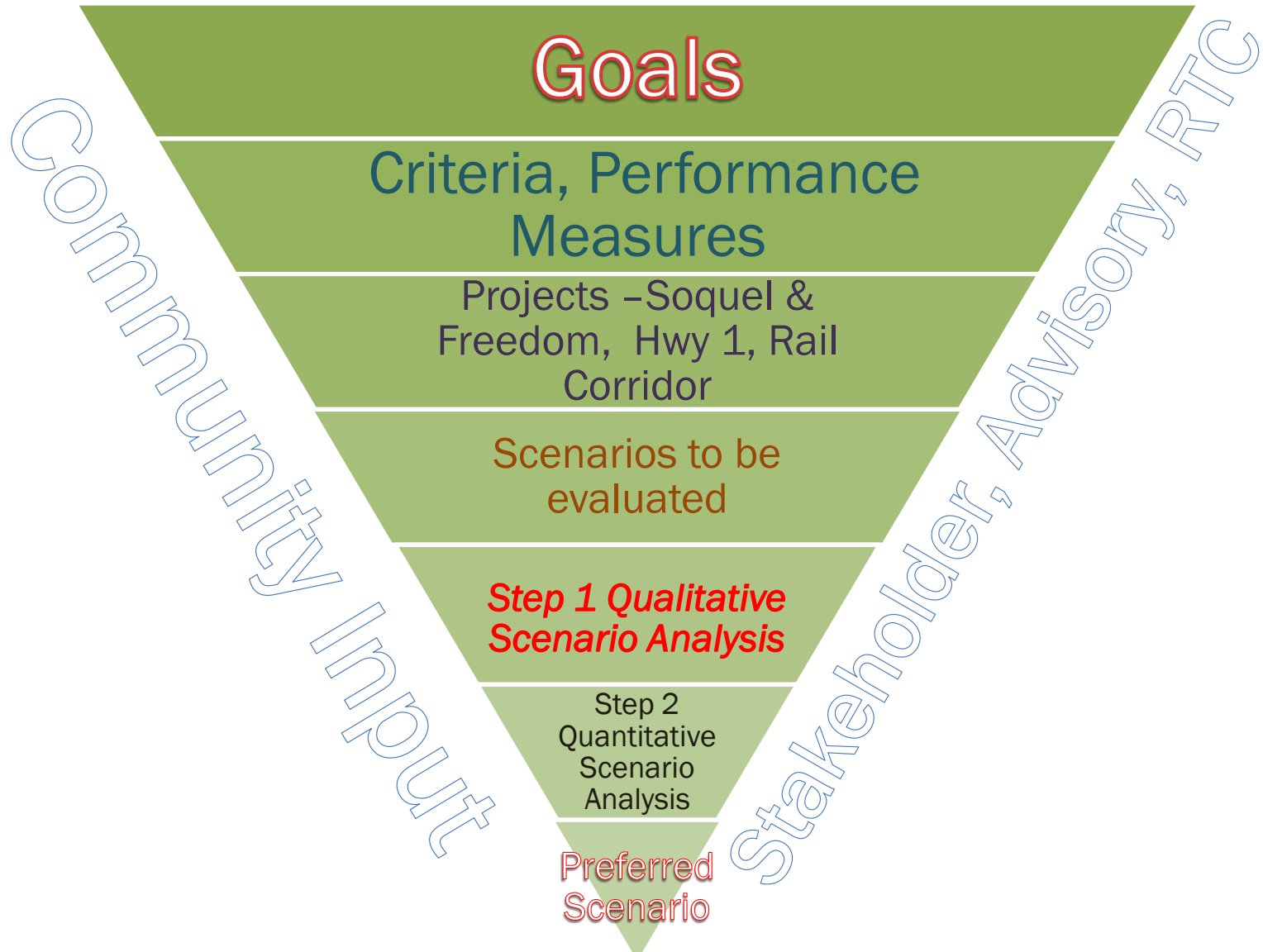
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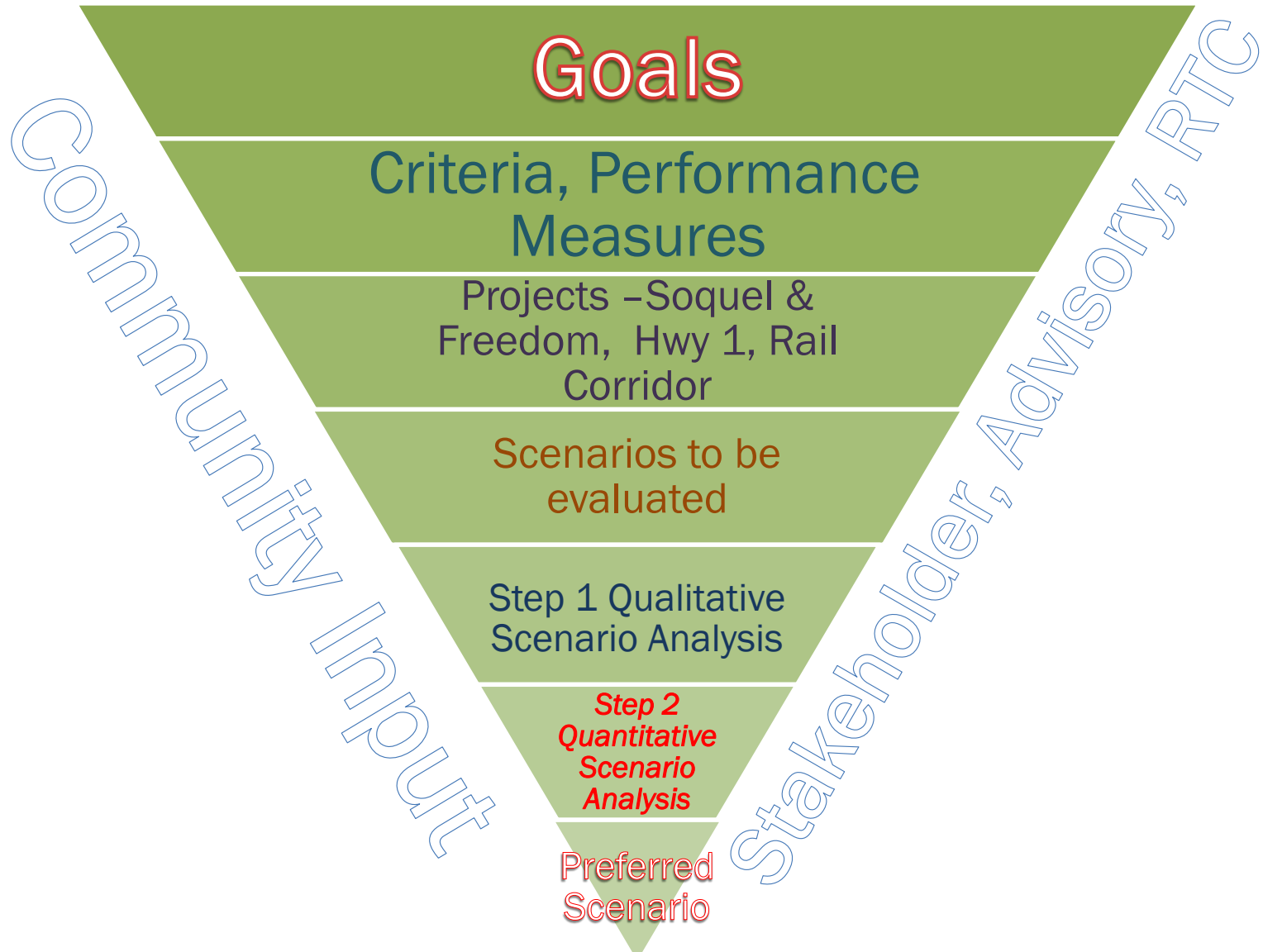
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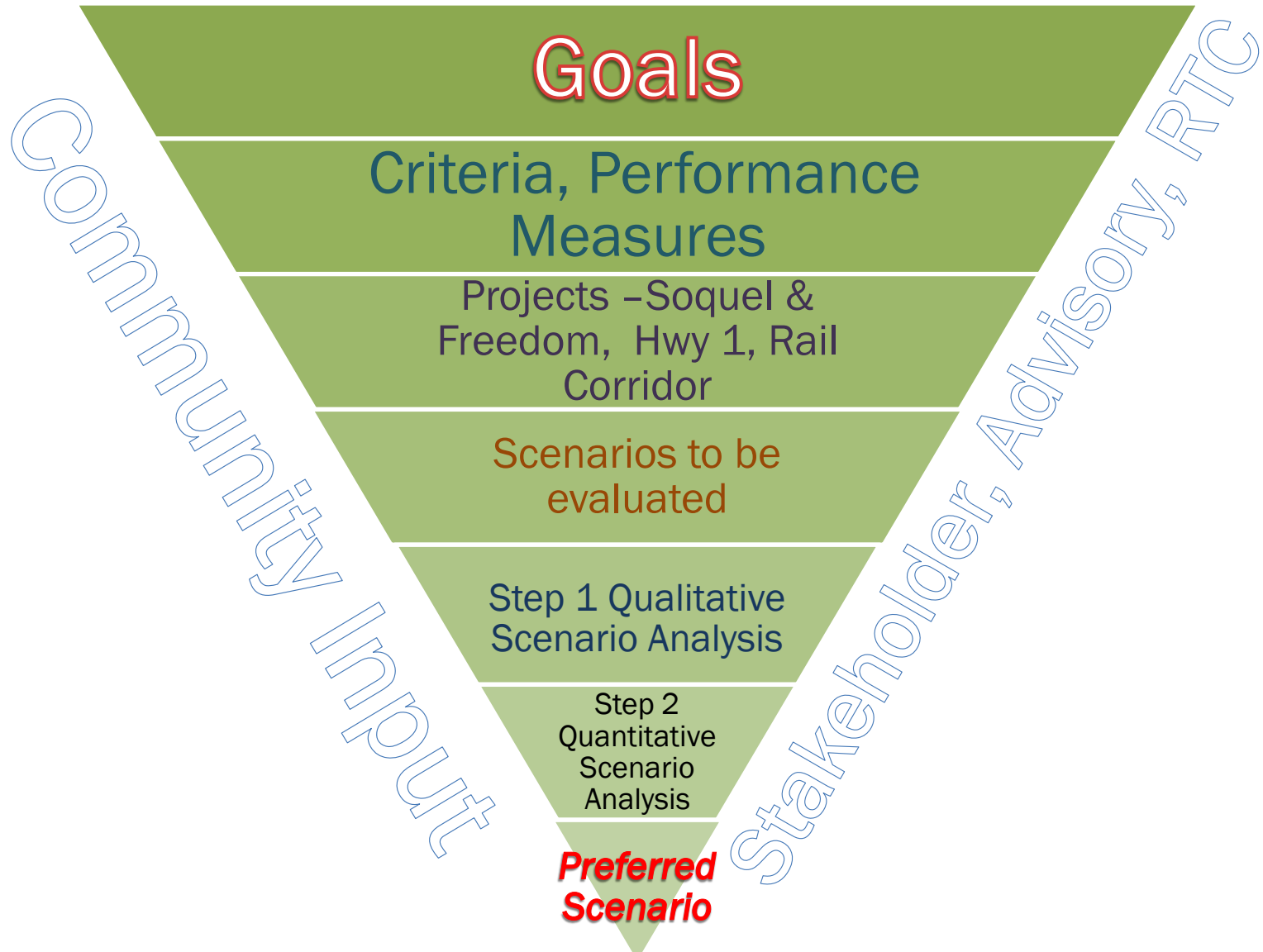
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Preferred Scenario
































































Community Input

Stakeholder, Advisory, RTC



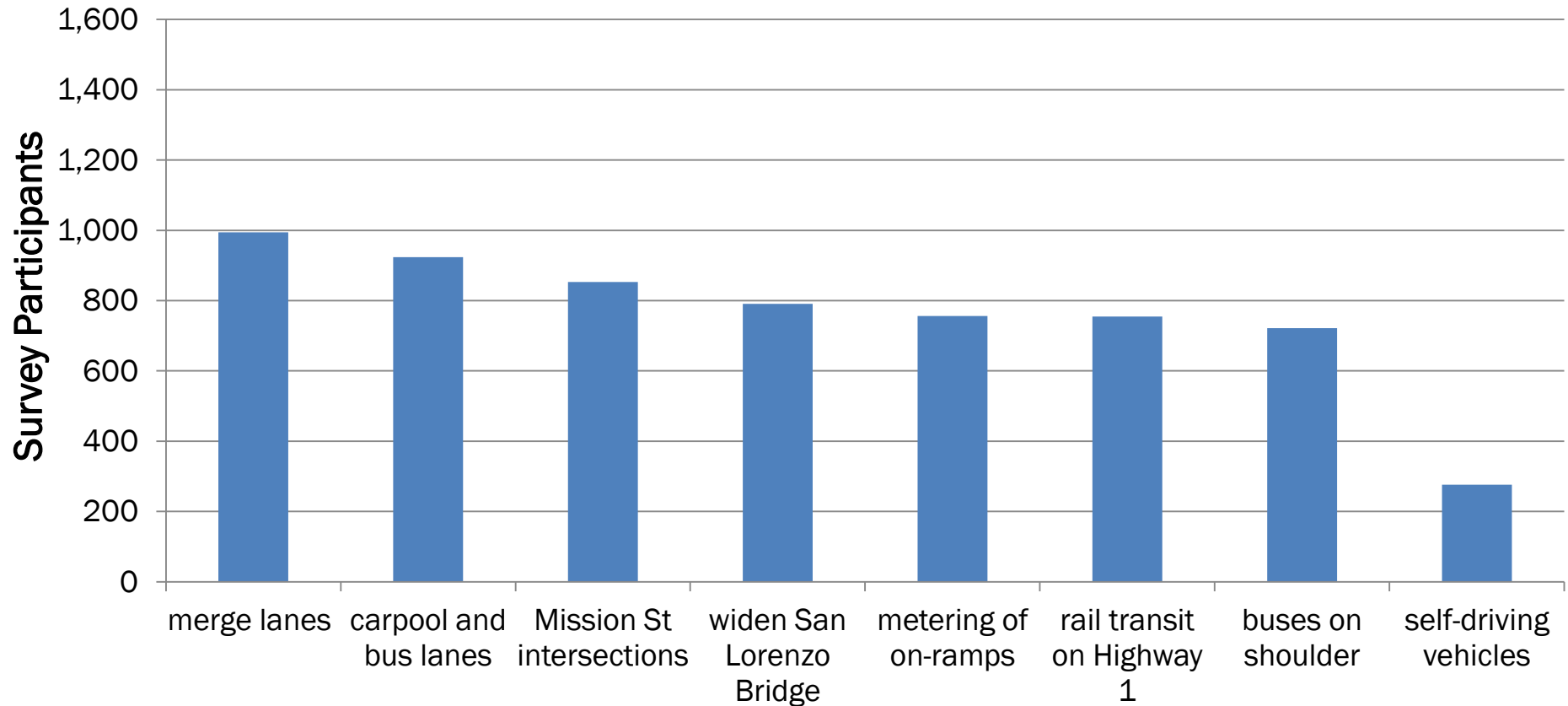
Unified Corridor Investment Study - Draft Scenarios for Analysis

Note: Text in underline and ~~strikeout~~ are recommended changes from approved project list

	Scenario A	Scenario B	Scenario C	Scenario D	Scenario E	Scenario F	No Build	
Highway 1 Projects								
buses on shoulders								
high occupancy vehicle lanes (HOV) and increased transit frequency	 				 			
auxiliary lanes to extend merging distance <u>IN ADDITION TO MEASURE D</u>								
metering of on-ramps								
additional lanes on bridge over San Lorenzo River								
Mission St intersection improvements								
rail transit on Hwy 1 between Santa Cruz and Watsonville								
self driving cars								
Soquel Avenue/Drive and Freedom Blvd								
bus rapid transit lite (faster boarding, transit signal priority and queue jumps)								
dedicated bus lane for bus rapid transit <u>and bikes</u>				 		 		
parking moved from Soquel Avenue/Drive to improve bike and transit options	 	 						
increased frequency of transit with express services								
buffered/protected bike lanes								
intersection improvements for auto								
intersection improvements for bikes/pedestrians		 			 	 		
Rail Corridor								
multiuse trail (bike and pedestrian)		 	 		 	 		
bike trail separate from pedestrian trail	 			 				
local rail transit with interregional connections								
bus rapid transit								
freight service on rail								
Overall Project Area/Connections between Routes								
improved bike/pedestrian facilities throughout urban area closing gaps in network	These projects will be evaluated in all scenarios.							
additional transit connections								
bike share, bike amenities, transit amenities, park and ride lots								
multimodal transportation hubs								
Transportation Demand and System Management								
employers and residences - incentive programs	These projects will be evaluated in all scenarios.							
education and enforcement - electric vehicle, motorist safety, and bike safety								

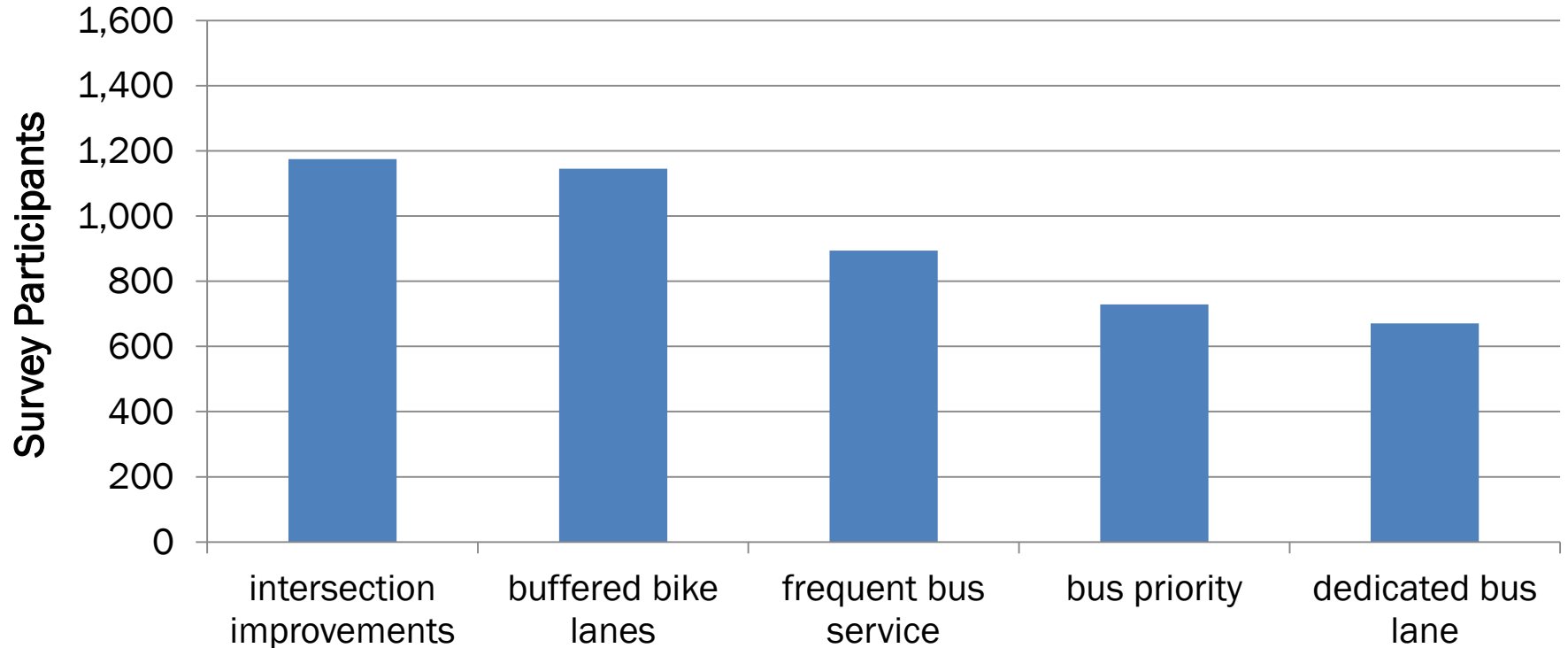
Survey Results - Highway 1

Transportation Improvements



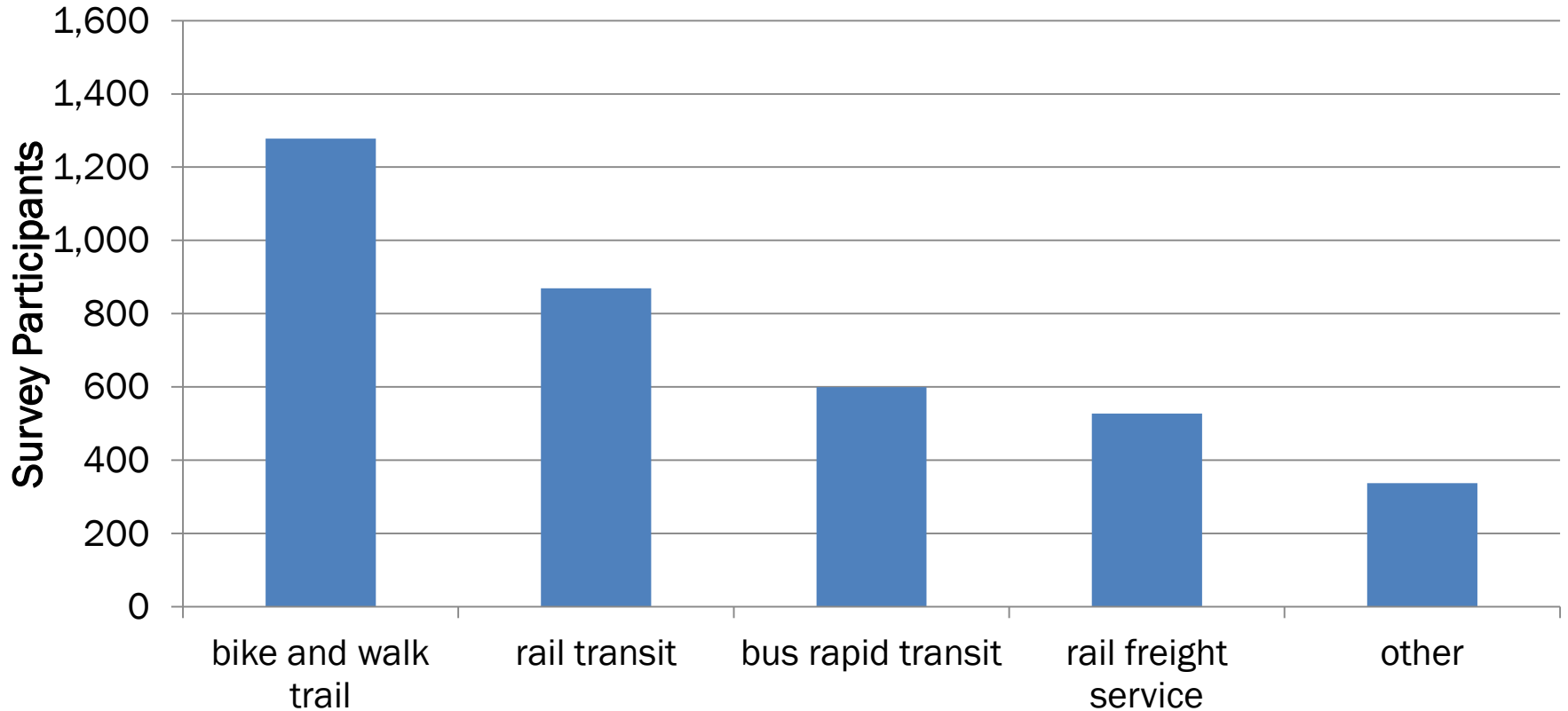
Survey Results - Soquel & Freedom

Transportation Improvements

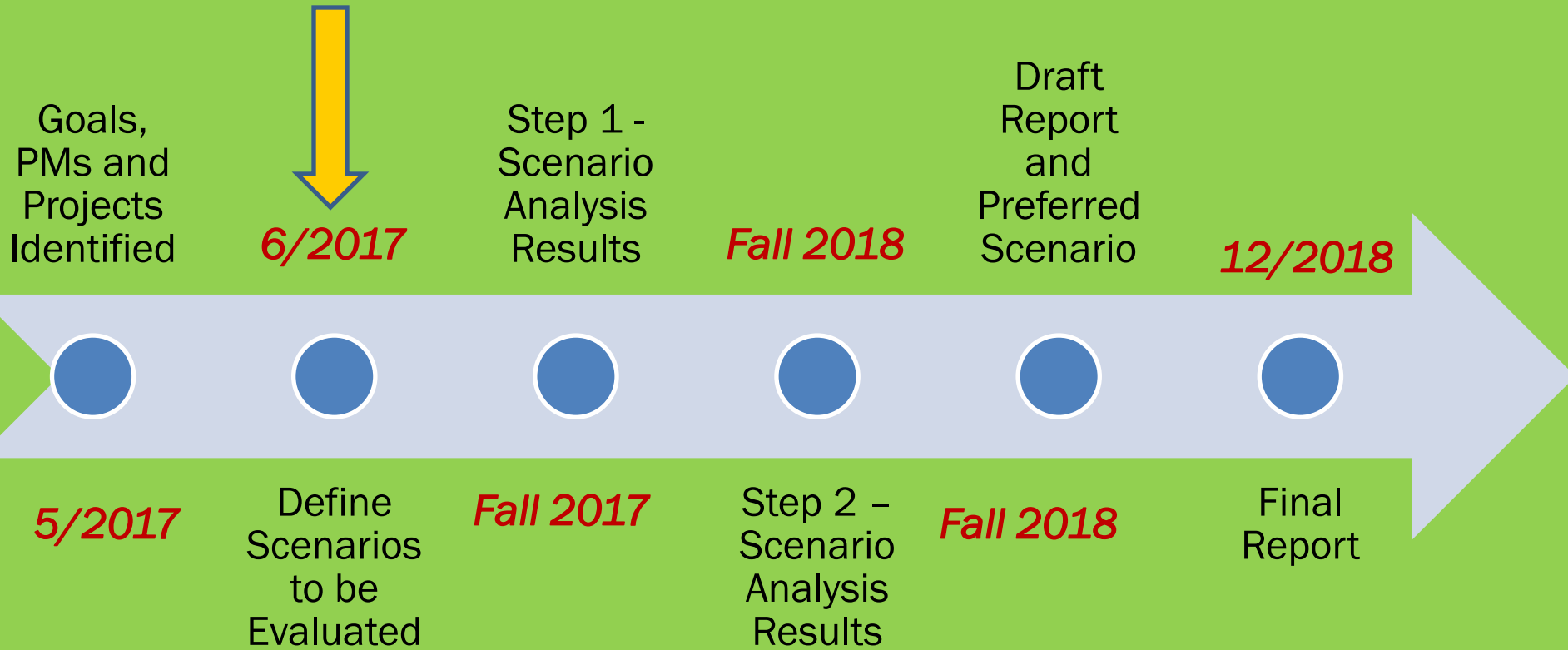


Survey Results - Rail Line

Transportation Improvements



UCS Timeline





Unified Corridor Investment Study

Performance Based Decision Making

What do we want?

Goals

Performance
Measures

Implementation
Plan

Identify Strategies

Analyze Scenarios

Determine Preferred
Scenario

*How are we
going to get
there?*



Transportation Project	Average Rank
<i>Rail Line</i> - bike and walk trail	3.89
<i>Soquel & Freedom</i> - buffered bike lanes	3.27
<i>Soquel & Freedom</i> - intersection improvements	3.25
<i>Rail Line</i> - rail transit	2.53
<i>Highway 1</i> - merge lanes	2.30
<i>Soquel & Freedom</i> - frequent bus service	2.15
<i>Highway 1</i> - carpool and bus lanes	2.08
<i>Highway 1</i> - rail transit	1.90
<i>Highway 1</i> - Mission St intersections	1.65
<i>Highway 1</i> - widen San Lorenzo Bridge	1.64
<i>Highway 1</i> - metering of on-ramps	1.60
<i>Rail Line</i> - bus rapid transit	1.43
<i>Highway 1</i> - buses on shoulder	1.40
<i>Soquel & Freedom</i> - bus priority	1.42
<i>Soquel & Freedom</i> - dedicated bus lane	1.30
<i>Rail Line</i> - rail freight service	1.07
<i>Rail Line</i> - other	0.55
<i>Highway 1</i> - self-driving vehicles	0.54