

Bay Area Regional Collaborative (BARC) Update

Executive Committee Meeting
November 19, 2018



Key Program Areas

- Carbon Free Future
- Level Playing Field
- Resilient Bay Area
 - Senate Bill 1 (SB 1)
Adaptation Planning
 - Resilient by Design -
Assessment



Level Playing Field – Program Development

Goal: *Coordinated support for capacity building and measurably improved outcomes in Bay Area's priority communities*

Exploratory Analysis

- Priority Communities Mapping: Overlay of Metropolitan Transportation Commission (MTC) / Association of Bay Area Governments (ABAG), Bay Conservation and Development Commission (BCDC), District methods

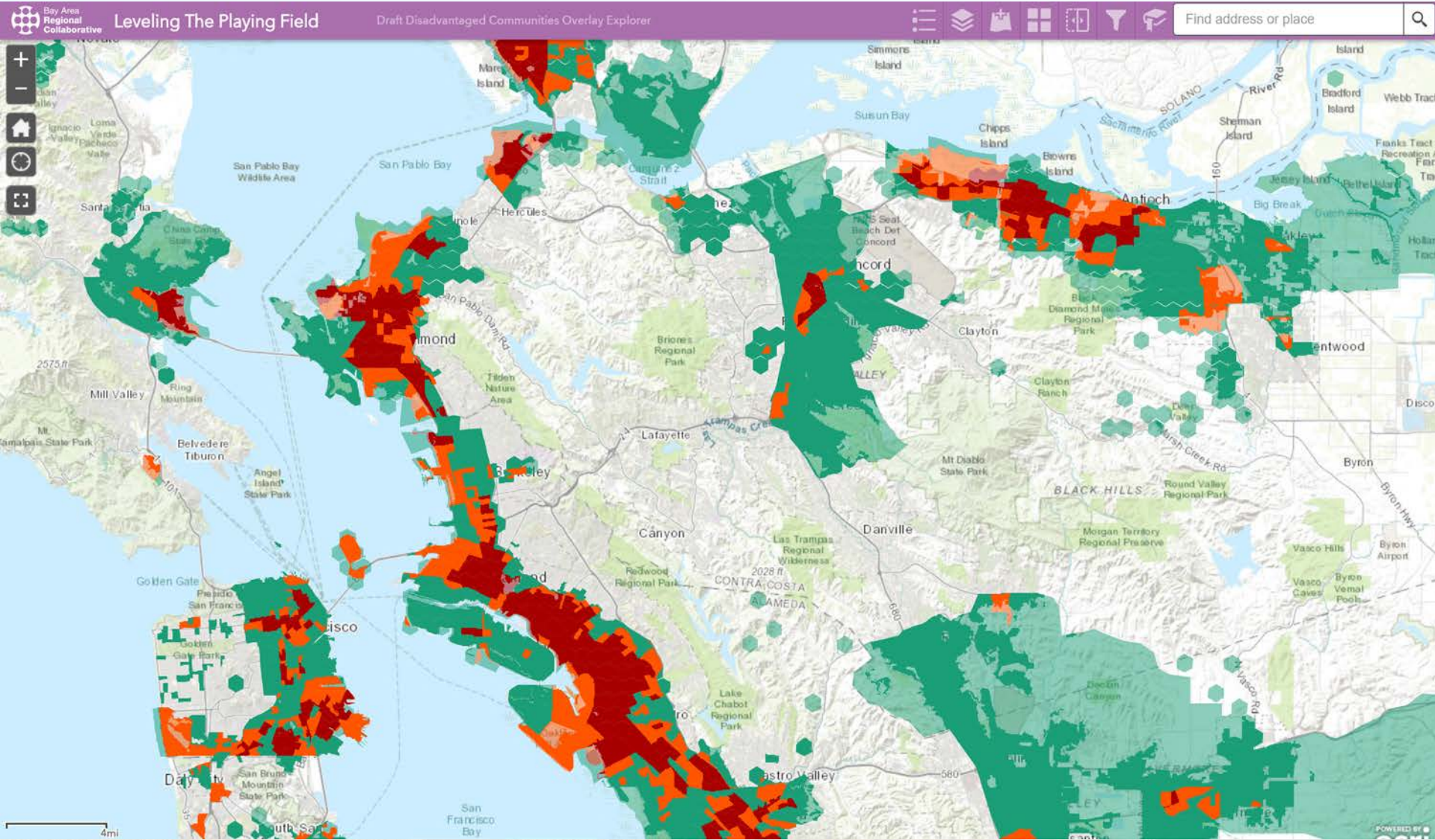
Needs Assessment

- Due-diligence assessment of programs and investments in each community across agencies
- Community needs assessments (Assembly Bill 617 (AB 617), Adapting to Rising Tides (ART) Bay Area)

Next Steps

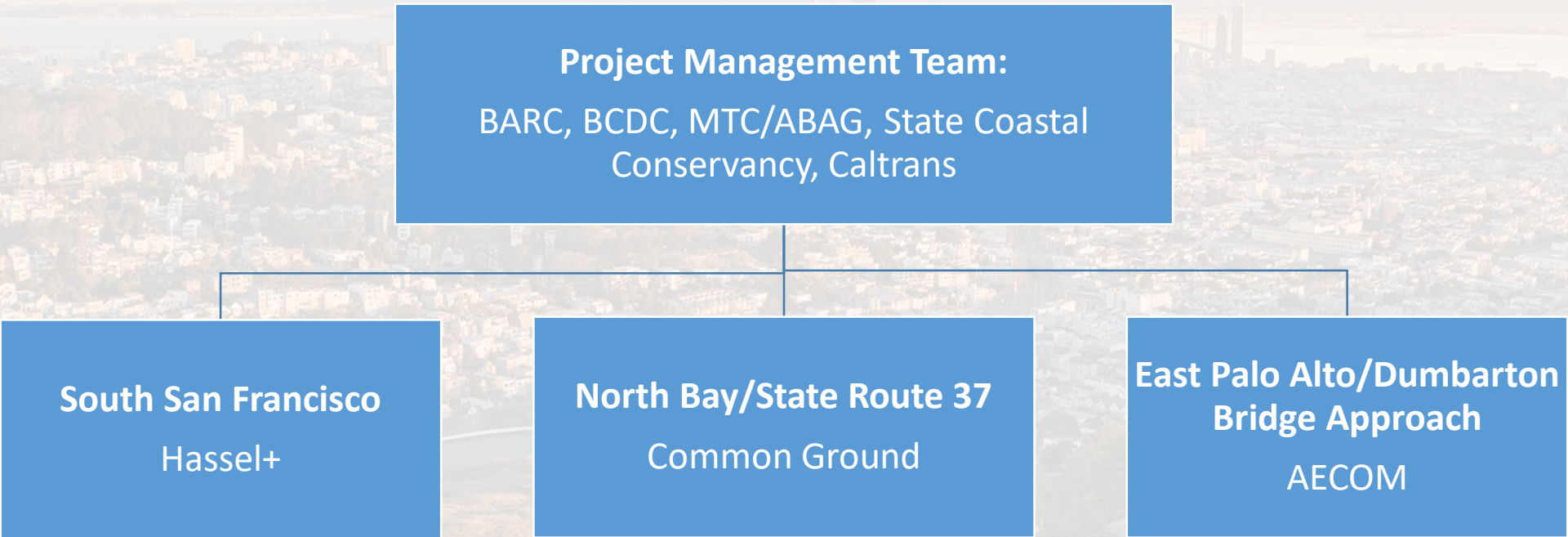
- Strategic Partnerships Proposal
- Co-design process with local government and community leaders

Level Playing Field: Priority Communities Mapping



Combining Mitigation & Adaptation Approaches

Caltrans SB 1 Adaptation Planning Grants

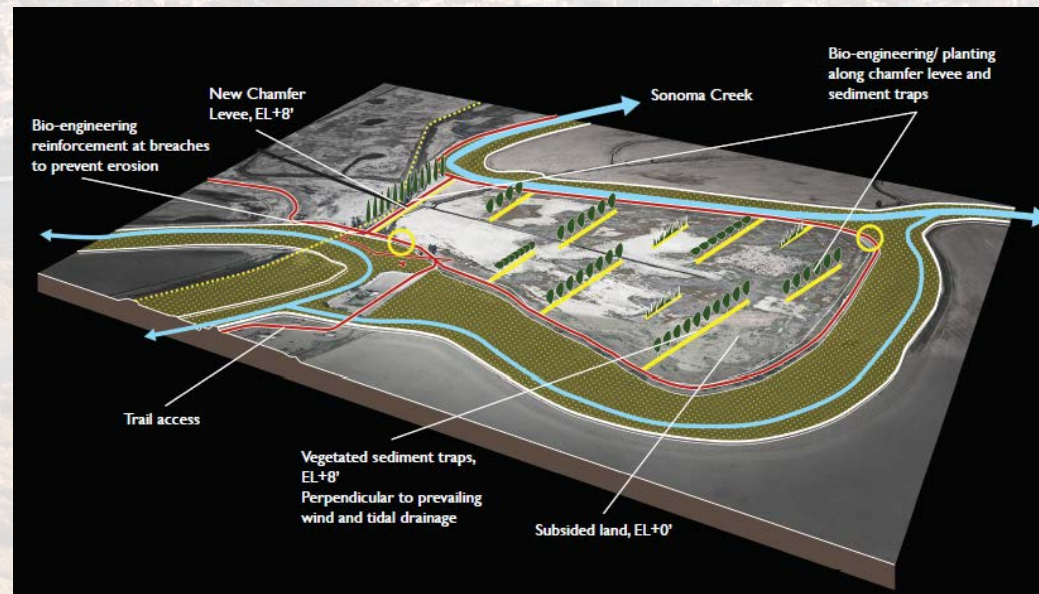


North Bay, State Route (SR-37) Public Access

Objective: Create equitable and resilient multimodal public access along SR-37 corridor and in San Pablo Bay

Key activities include:

- Develop strategic adaptation interventions to expand public access to the Bay Trail
- Coordinate trail and access options with near and long-term SR-37 improvements



South San Francisco, Colma Creek

Objective: To design for improved mobility and equitable access to the CalTrain and BayTrail while reducing risks to current and future flooding.

Key activities include:

- Mitigate flooding associated with Colma Creek
- Develop three adaptation design proposals including hydraulic and transport modeling
- Expand Resilient South City' public engagement

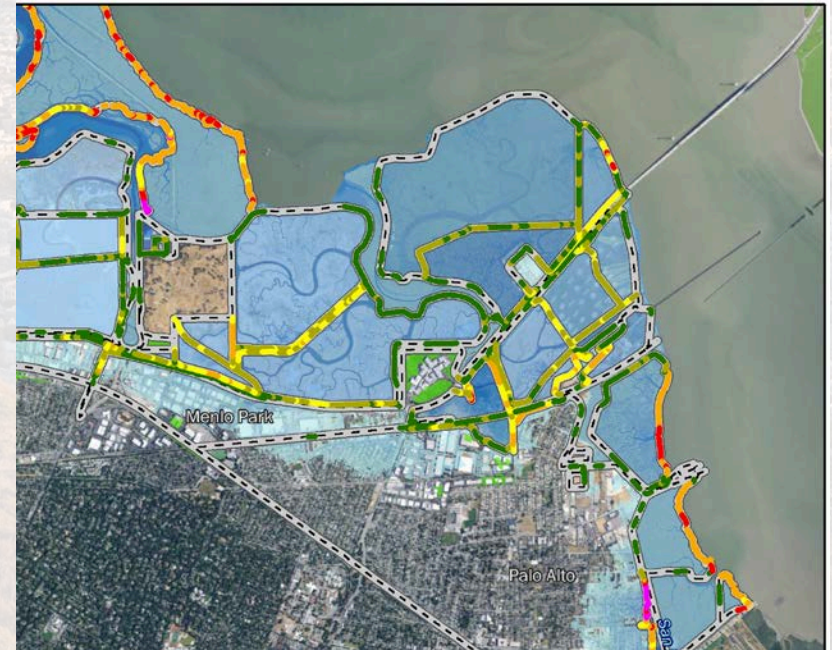


East Palo Alto/Dumbarton Bridge Resilience Study

Objective: *Identify adaptation strategies to protect the City of East Palo Alto and the Dumbarton Bridge western approach.*

Key activities include:

- Stakeholder engagement with East Palo Alto community and relevant asset managers
- Identification of near-term and long term adaptation strategies
- Implementation plan that identifies a path forward for selected adaptation strategies



**Mean Higher High Water (MHHW)
+ 36" Sea Level Rise**

Resilient by Design (RbD) Bay Area Challenge Assessment

- **Consensus Building Institute (CBI)** conducted an assessment of the RbD process and outcomes.
- **Purpose:** Assess impacts, lessons learned and potential next steps.
- **Methodology:** 28 interviews plus informal conversations.
- **Participants:** Agency, nonprofit, community, elected officials and design team representatives.

“We can design coastlines and resilient landscapes differently, and design can play a leadership role to formulate and develop strong narratives for projects needed to meet the challenges of the 21st century.” - Designer

Impact of the Challenge

- **Brought resilience to the forefront** on a regional scale.
- Created opportunity to **plan big, for long-term**.
- Design can play an **aspirational, creative role** in a frightful conversation.

“Retreating doesn’t have to look like failure. The designs provided visualizations of something to achieve as opposed to something to avoid.”

New, Integrated Ideas

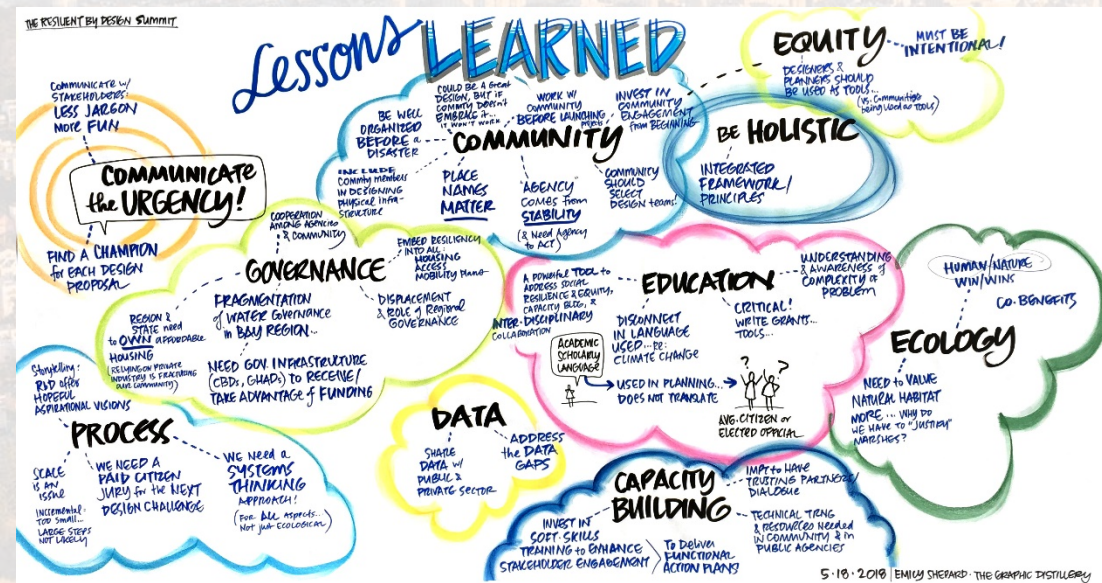
Resilience depends on **integrating social equity, ecosystems, and the built environment** to manage sea level rise, transportation, housing, the environment, and other vulnerabilities.

International perspectives and attention brought **new ideas** to the Bay Area.

“We have to solve for multiple things...we should fund projects that have multi-system and interdisciplinary approach.”

Lessons Learned for Future Challenges

- **Social equity is key**, and relationship-building with communities must start day one.
- Structure & timeline did not support **meaningful engagement**.
- **Academic partnership** provides insights and builds capacity for future.
- Scope of some projects was **too broad**.
- Allow for regional strategies or **team learning across sites**.



Opportunities for Advancing Design Elements

- **Connect regional resiliency with local issues.**
- **Challenges / Hurdles**
 - **Funding** will be the biggest challenge.
 - **Implementation** may take major multi-jurisdictional coordination and/or modification
 - All the designs lacked an **articulation of the first steps** for how to start down the path towards implementing the bigger vision.
 - **Residual distrust** remain from the Challenge for some stakeholders.



Interviewees: What's Needed Going Forward

We're not finished. Need **champion(s)** to advance elements of the designs.

- Build on existing initiatives and relationships.
- Specific list of potential elements to advance.
- Short-, mid-, and long-term implementation.
- Maintain / update and make accessible **resiliency-related** information.

*“The majority of this work started by the Challenge will fade away without a **champion**. We are going to need technical support, fundraising, regional support, and advocacy if we are going to be successful implementing projects.”- Local Agency*



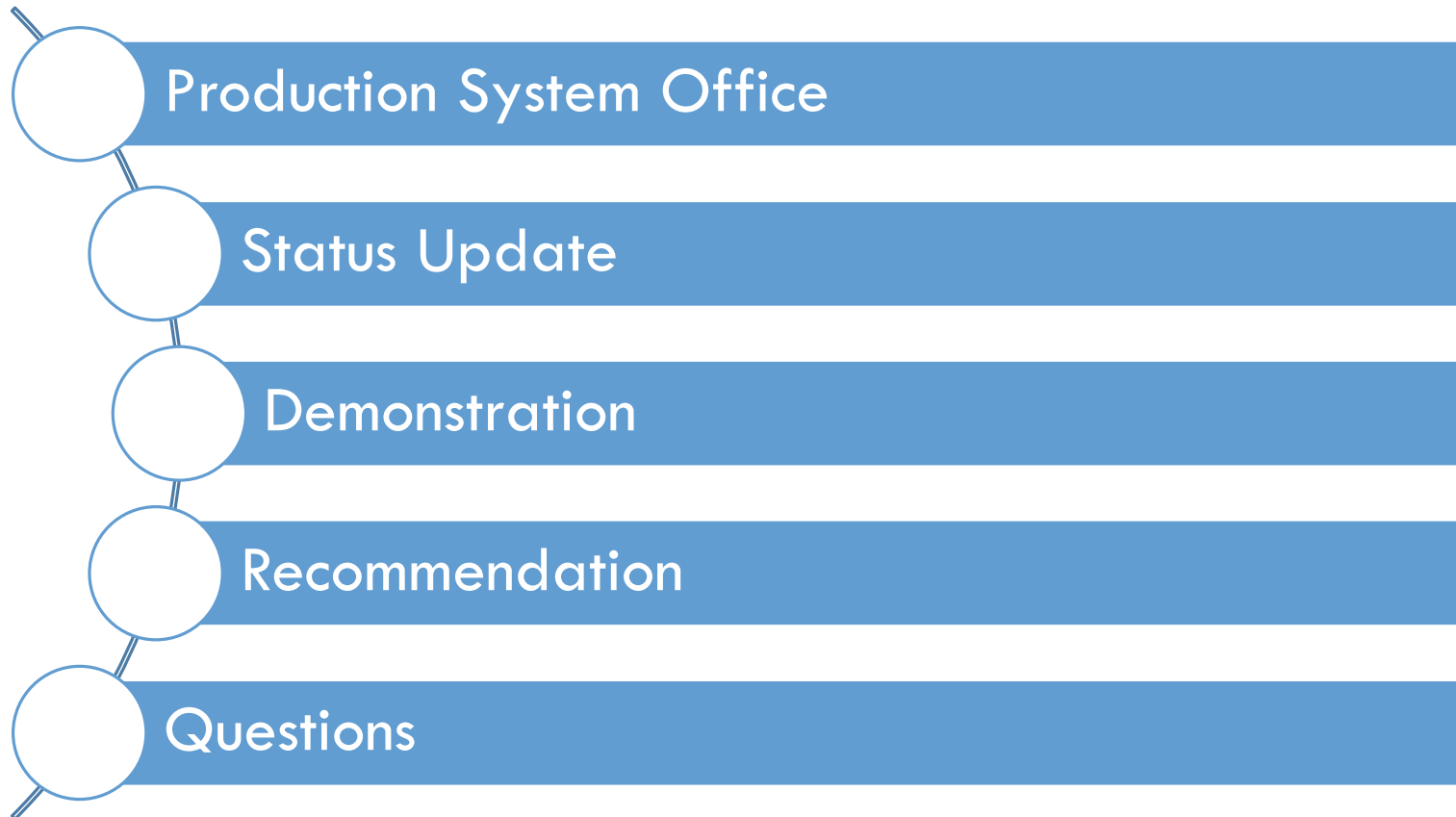
THANK YOU!

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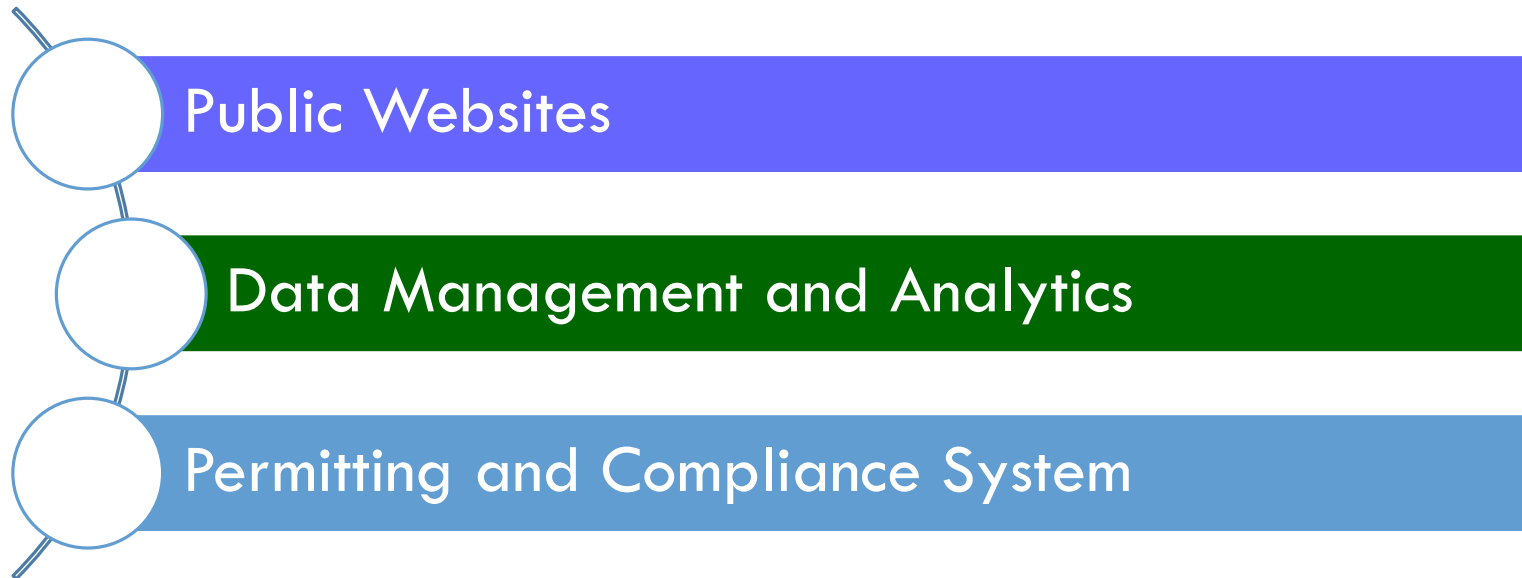
PRODUCTION SYSTEM OFFICE STATUS UPDATE

Blair L Adams
Executive Committee Meeting
November 19, 2018

PRODUCTION SYSTEM OFFICE: AGENDA



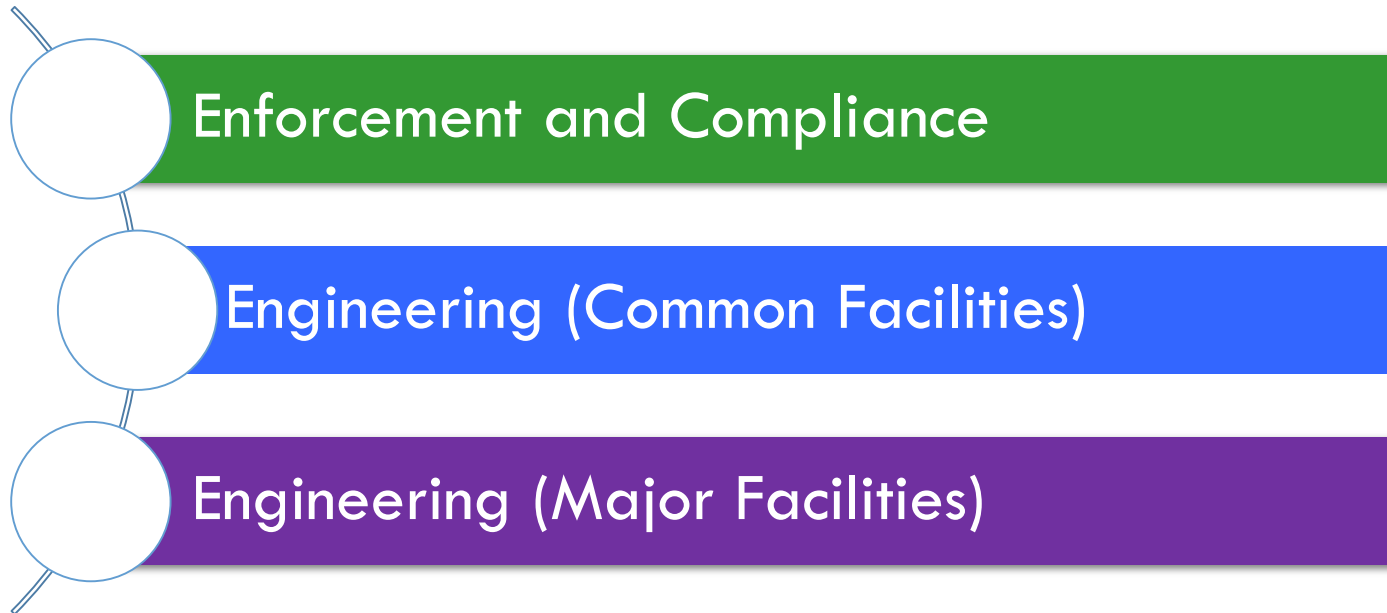
PRODUCTION SYSTEM OFFICE: SCOPE OF SERVICES



PUBLIC WEBSITES: 2018 ACCOMPLISHMENTS

- 
- Diesel Free by '33
 - Expanded Language Translation
 - Home Page Refresh
 - Event Functionality Enhancements
 - Rules Under Development Enhancements
 - Asbestos Application Training Module

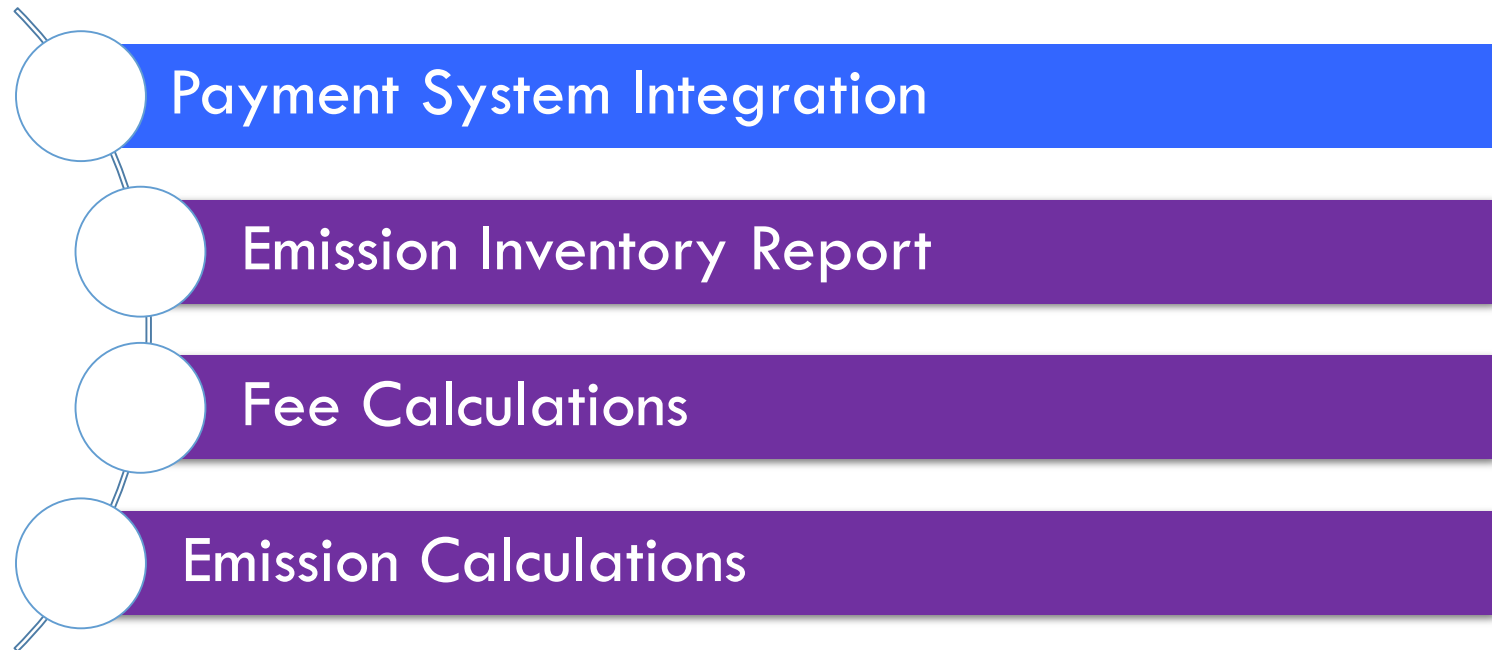
PERMITTING AND COMPLIANCE SYSTEM: THREE DEVELOPMENT TRACKS



PERMITTING AND COMPLIANCE SYSTEM: CURRENT PRODUCTION FEATURES

Financial Integration	Gas Stations	Dry Cleaners	Autobody Shops
Char-broilers	Mobile Refinishing	Graphic Arts	Small Boilers
Agricultural Diesel Engines	Internal Combustion Engines	Public Complaints	Wood Smoke
Grants	Asbestos	Facility Inspections	General Investigations

PERMITTING AND COMPLIANCE SYSTEM: REMAINING GOALS FOR 2018



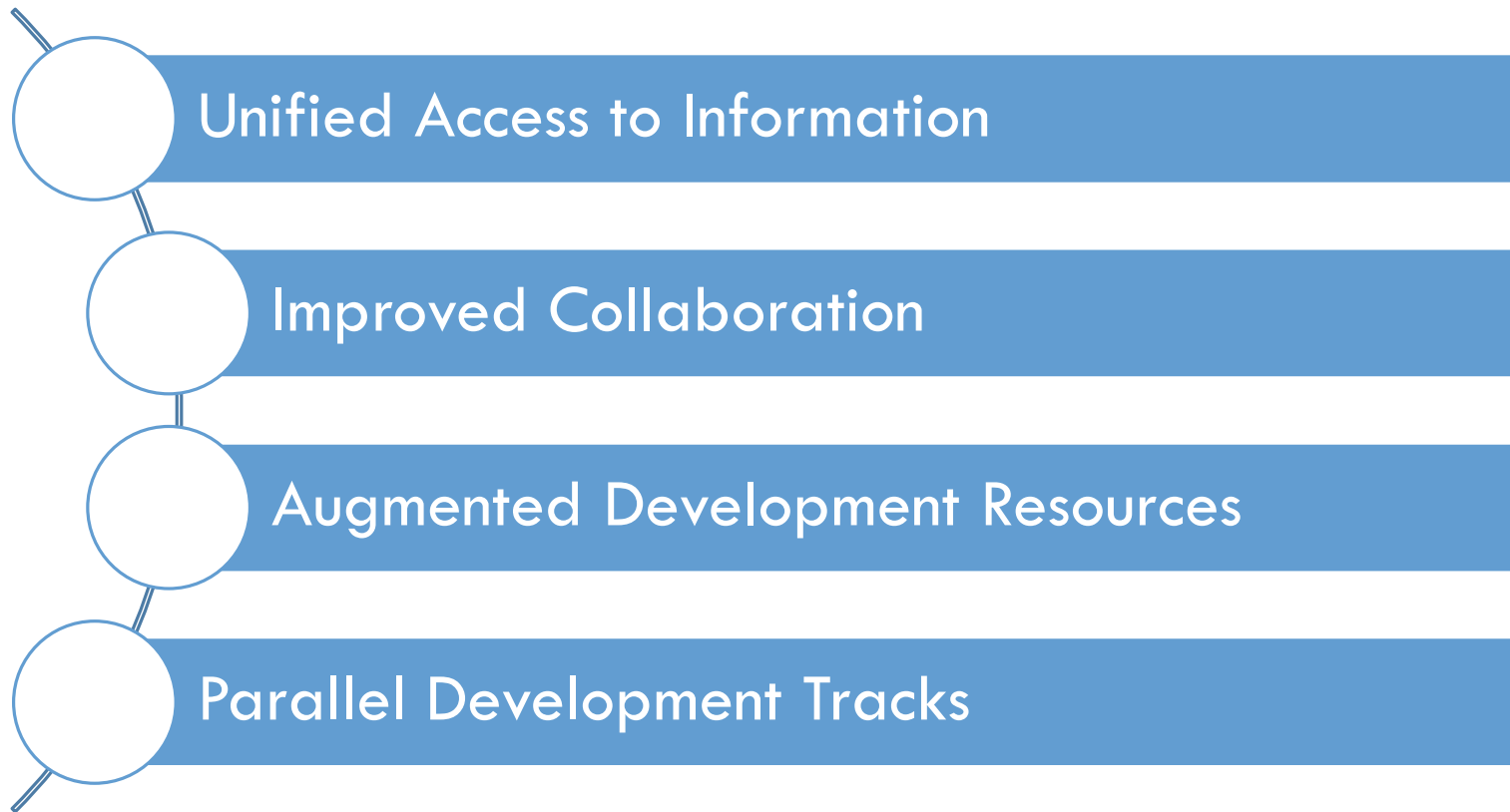
PERMITTING AND COMPLIANCE SYSTEM: DEMONSTRATION



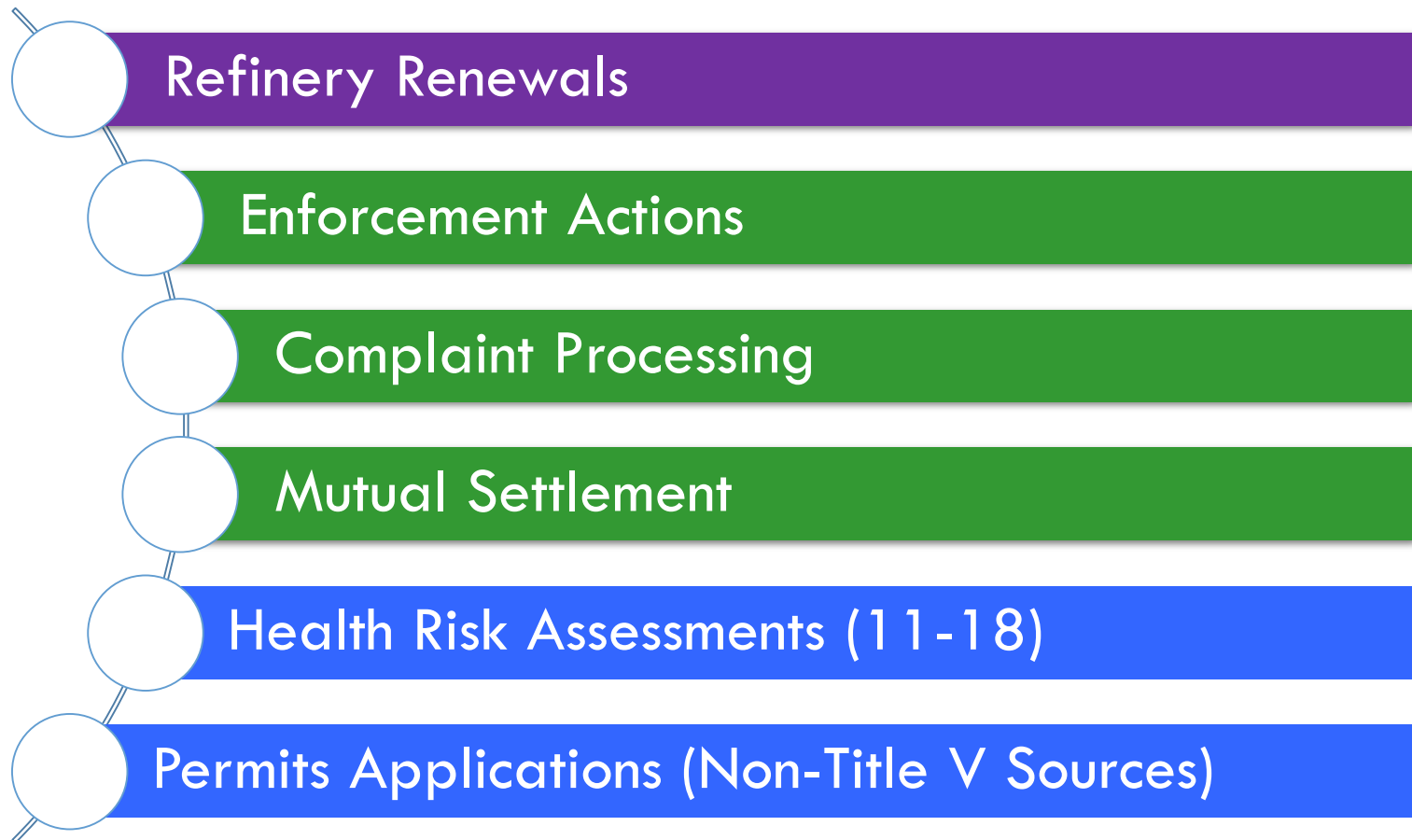
Facility Inspection Module

Major Facility Portal

PERMITTING AND COMPLIANCE SYSTEM: DEMONSTRATION SUMMARY



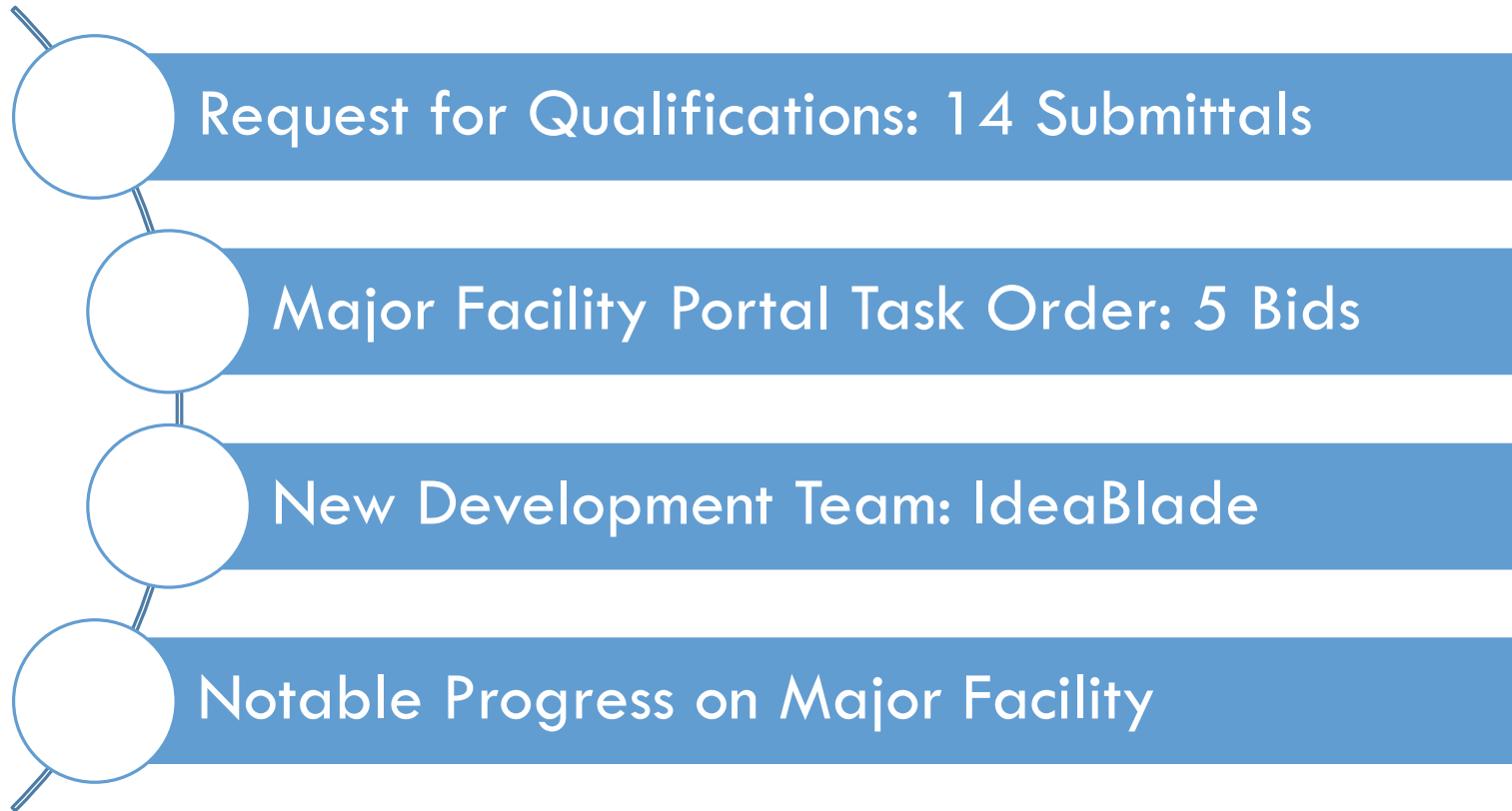
PERMITTING AND COMPLIANCE SYSTEM: 2019 GOALS



PUBLIC WEBSITES: 2019 GOALS



PERMITTING AND COMPLIANCE SYSTEM: SCALED DEVELOPMENT RESOURCES



PRODUCTION SYSTEM OFFICE: CONTRACTOR TEAM

Vendor	Service Description
C&G Technology Services	Software Design and testing services for the permitting and compliance system.
Clearsparc	Software architecture, design, development, build and release management services for the permitting and compliance system.
Cylogy	Backend website content management system integration, customization and infrastructure support.
Ideablade	Software design, development, build and release management services for the major facility portal.
ITDependz	Business analysis and user experience services for the permitting and compliance system.
Malinda Lai	Website content management and infrastructure support.
Trinity Technology Group	Legacy system management and data transfer services. Business analysis, database rules and logic implementation.

PERMITTING AND COMPLIANCE SYSTEM: STAFF RECOMMENDATION

Recommend the Board of Directors:

1. Approve contract amendments in the amount of \$1,859,439 as shown in Table 1 of the Staff Report; and
2. Authorize the Executive Officer/APCO to execute contract amendments.

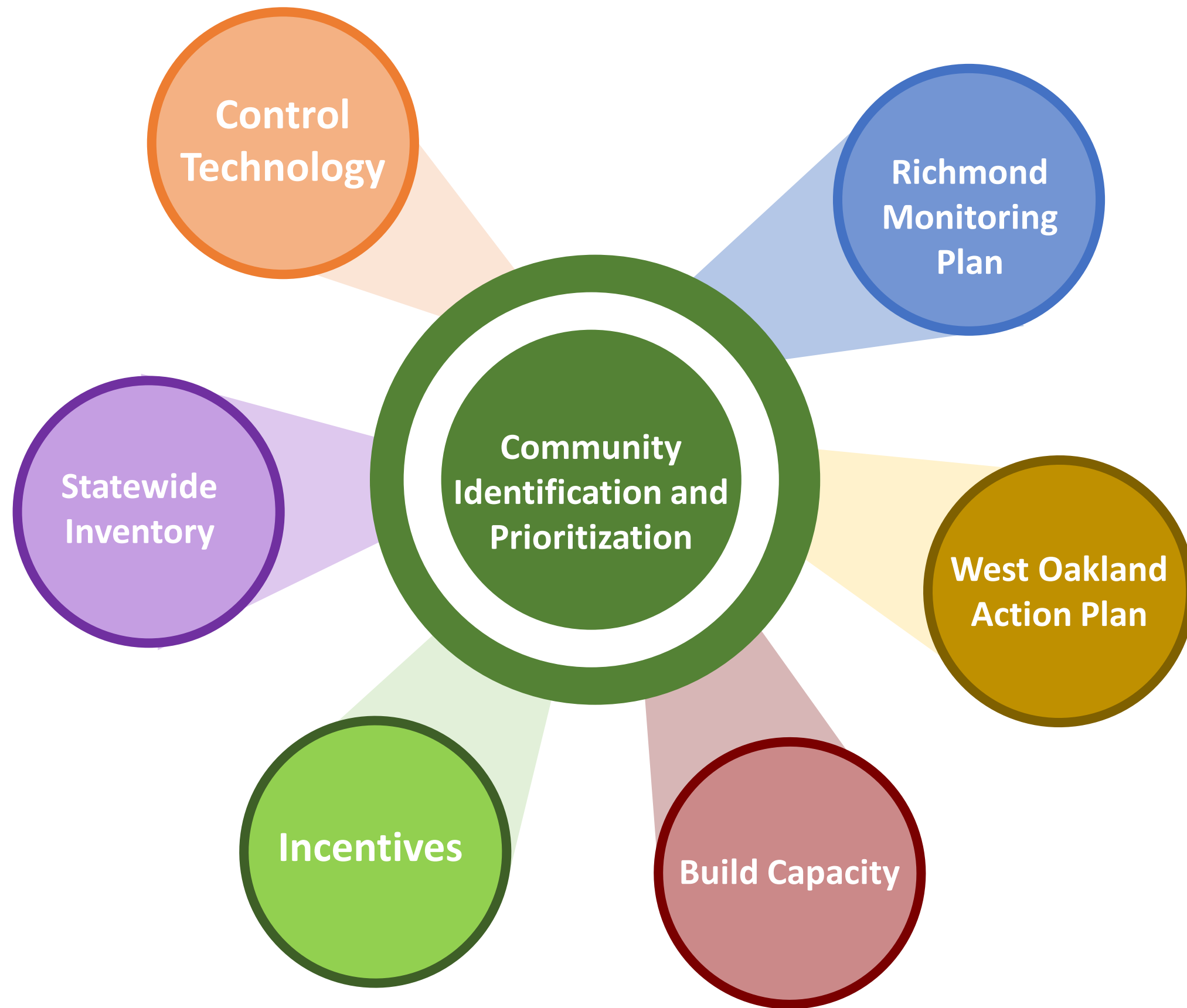


QUESTIONS

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AB 617: Community Health Protection Program



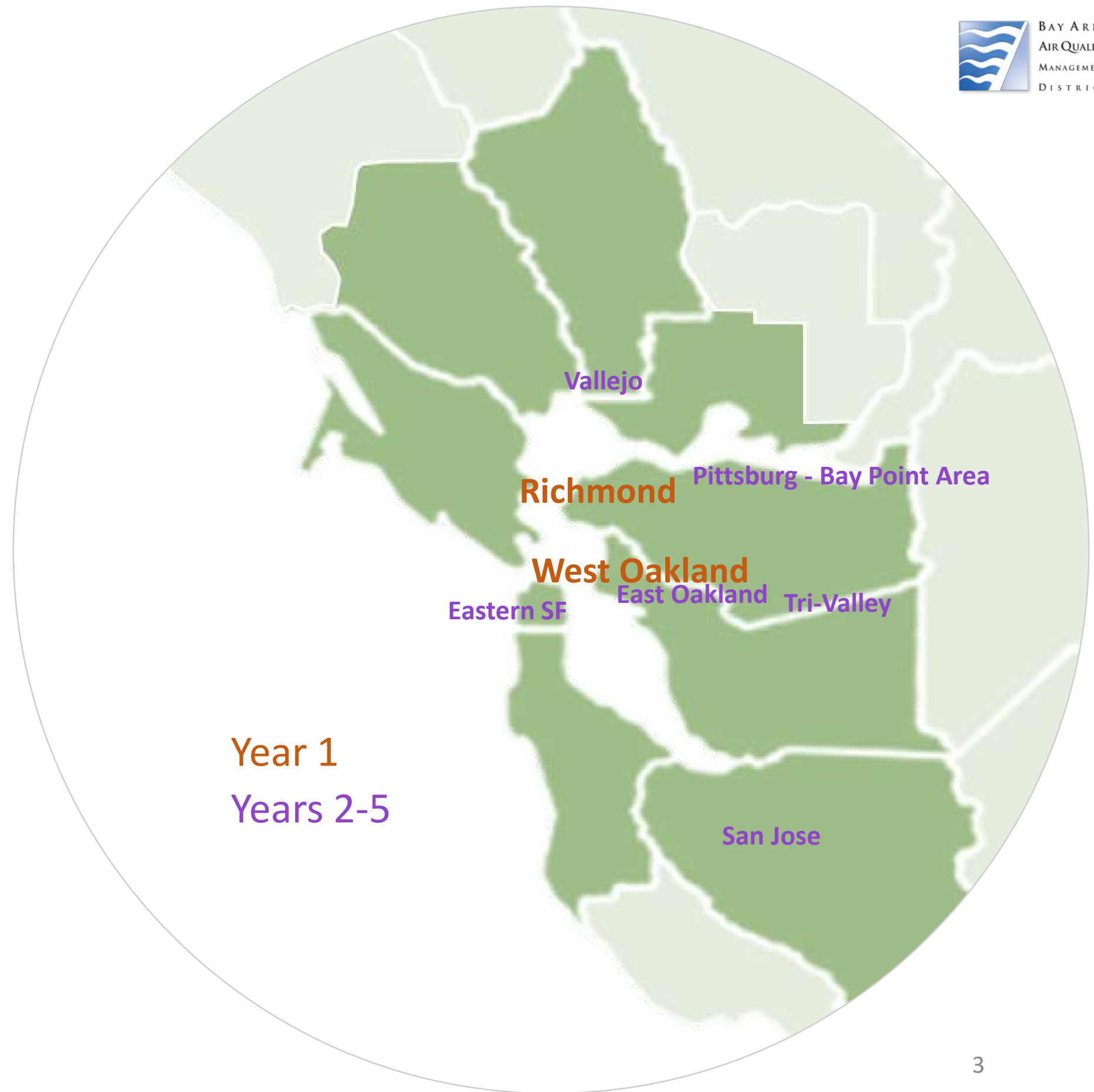
AB 617 Program Components



Year 1

West Oakland – action plan

Richmond - monitoring



Richmond
Monitoring
Plan

Summer 2018

Fall 2018

Winter 2018

Winter 2018

Winter -Summer 2019

Select Consultant

Facilitated
Discussions

Community
Summit
Design Team

Community
Summit

Monitor
Planning

Richmond
Monitoring
Plan

Summer 2018

Fall 2018

Winter 2018

Winter 2018

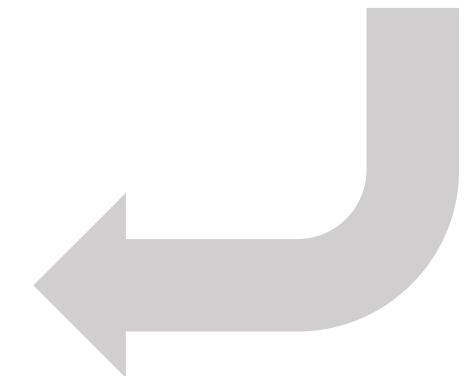
Winter-Summer 2019



Final
Report



Ongoing Summer 2019 through Fall 2020



West Oakland Action Plan



- Stationary
- Mobile
- Other known
- Unknown

- Total emissions
- Land use/proximity
- Community input

- Regulations
- Diesel Particulate Filters (DPFs)
- Permits
- Traffic enforcement
- Incentives
- Other

- BAAQMD
- California Air Resources Board (CARB)
- Port of Oakland
- City of Oakland
- Metropolitan Transportation Commission (MTC) / Alameda County Transportation Commission (ACTC)
(grants, funding capital projects)

Action Plan Components

**West Oakland
Action Plan**

July 2018

- Member Introductions
- Purpose and Goals
- Previous Planning Efforts



September 2018

- Plan Elements
- Pollution Sources
- Citizen Science



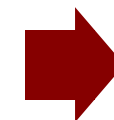
October 2018

- Technical Assessment
- Enforcement and Authority



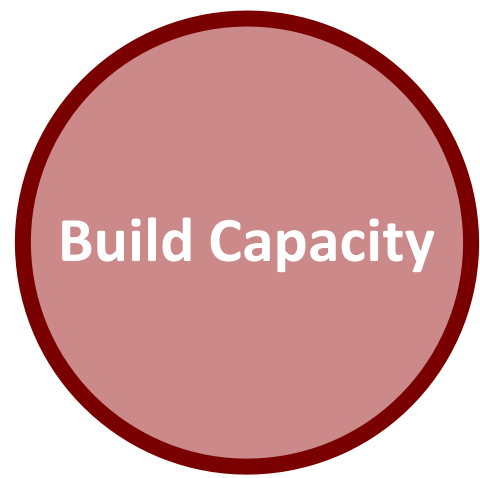
November 2018

- Health Impacts
- Prioritize Sources
- Project Funding



Dec 2018 – March 2019

- Success Metrics
- Source Attribution
- Define Strategies



Build Capacity

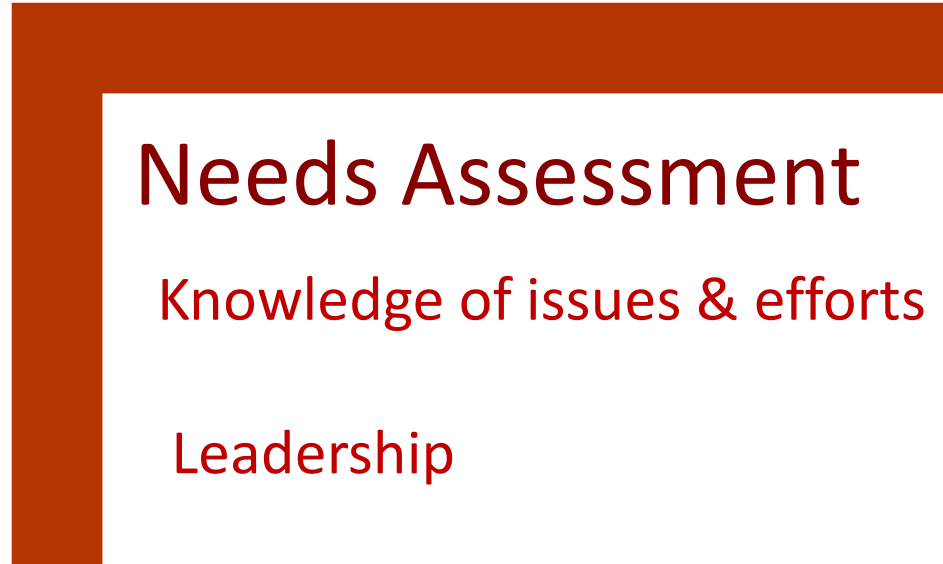


Relationship Building

Community members and organizations

Local governments

Regional agencies



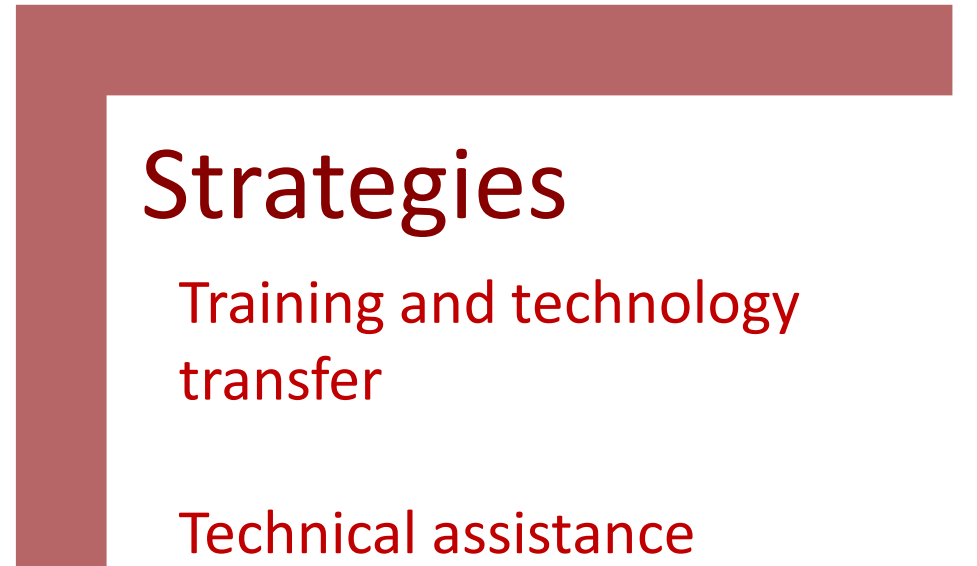
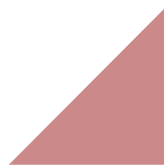
Needs Assessment

Knowledge of issues & efforts

Leadership

Community climate

Resources



Strategies

Training and technology transfer

Technical assistance

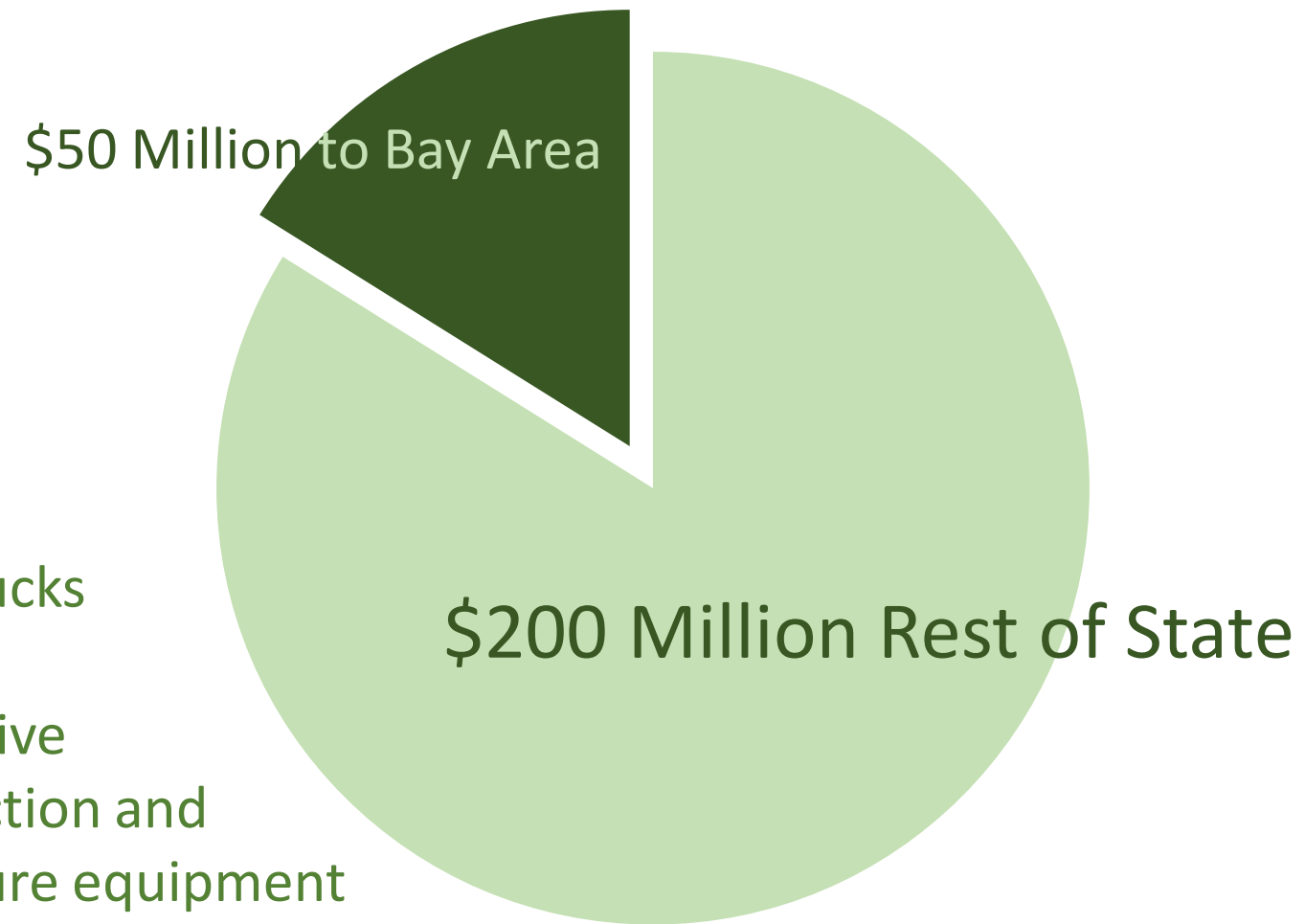
Community-based participatory research

Empowerment approaches

Authentic participation process

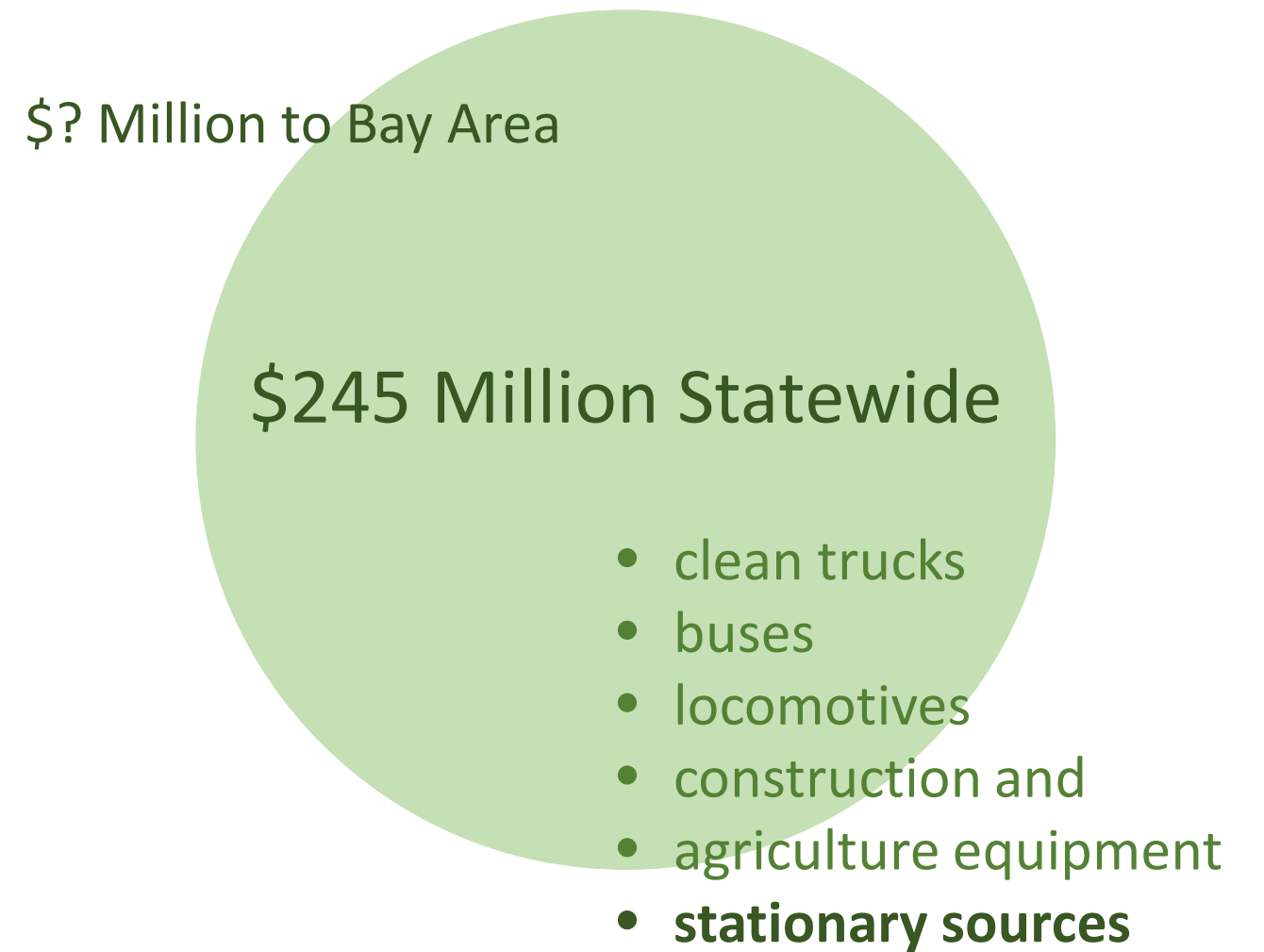
Incentives

FY 2018/19



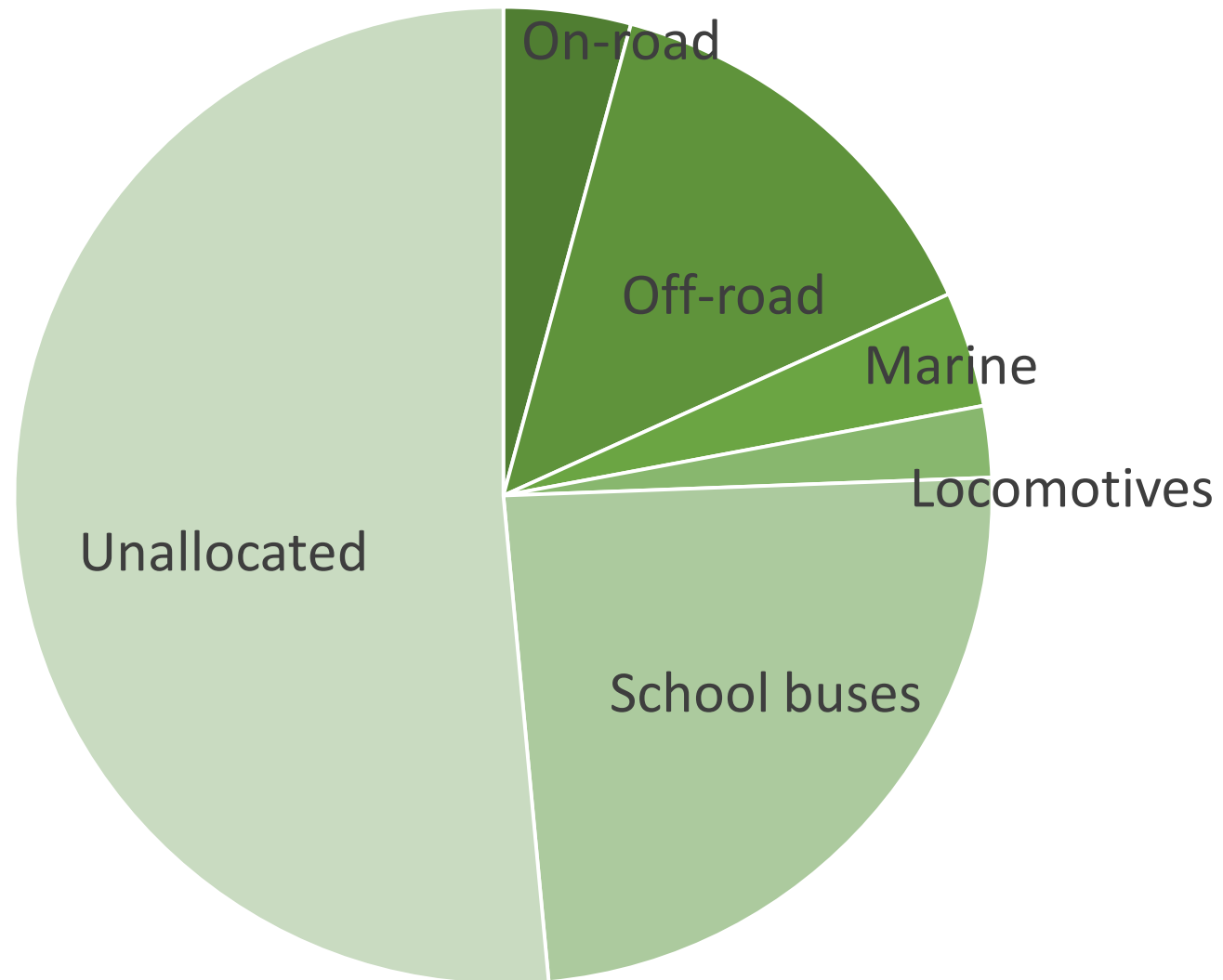
- clean trucks
- buses
- locomotive
- construction and
- agriculture equipment

FY 2019/20



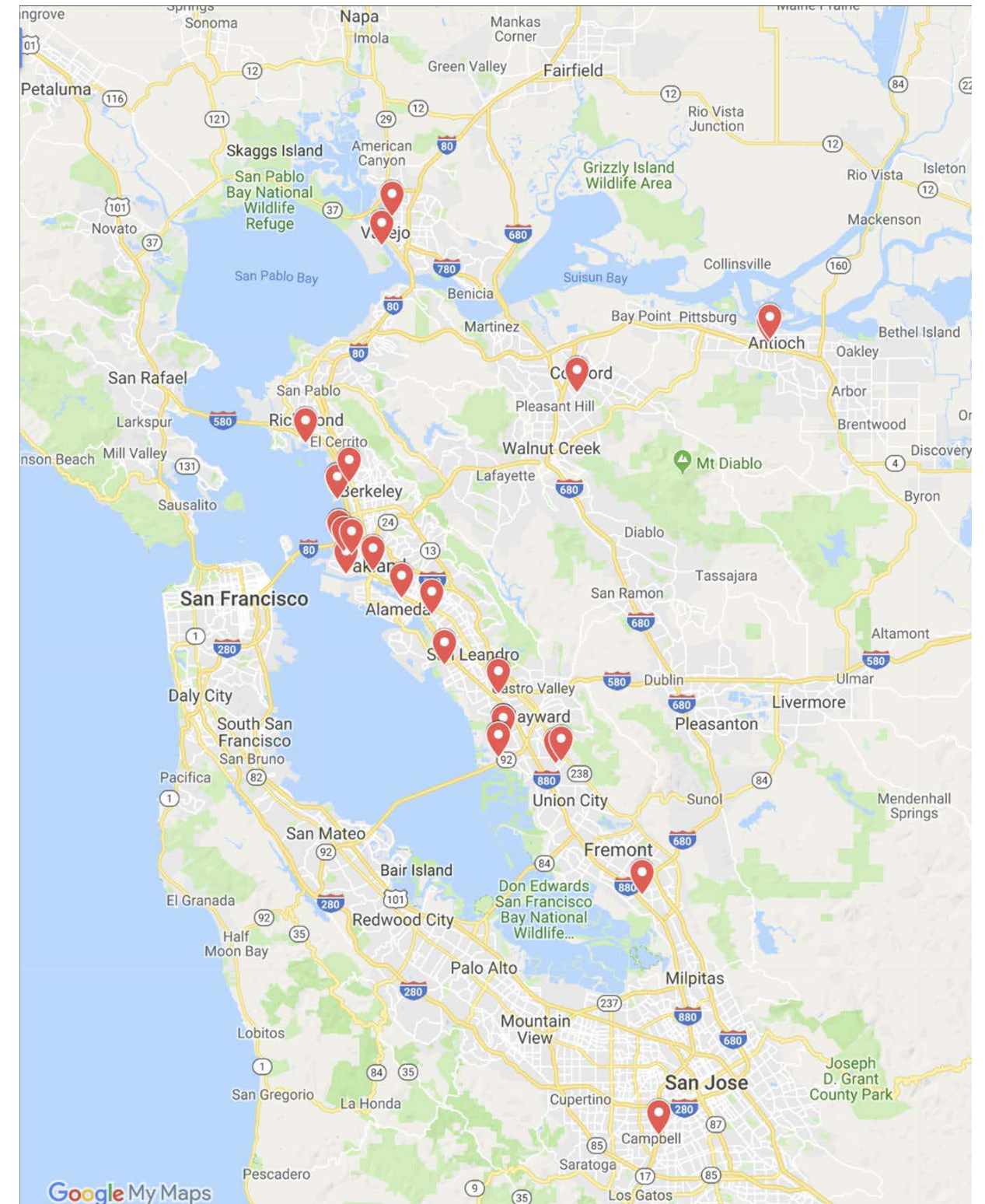
- clean trucks
- buses
- locomotives
- construction and
- agriculture equipment
- **stationary sources**

Incentives



\$22.6M Allocated to Date

Project Locations



Statewide
Inventory

ARB DRAFT
Criteria and Toxics
Reg Released in
July

Air District Required
Reporting will
Continue

**Uniform
Statewide
Reporting**

Affected Facilities

- Subject to GHG reporting
- Emit => 250 tons/year
- Elevated prioritization score

Toxics
Criteria Pollutants

Control
Technology

Cap-and-Trade Source Categories
with no Best Available Retrofit
Control Technology (BARCT)

Organic Liquid Storage Tanks

Petroleum Wastewater Treating

Portland Cement

Refinery Fluid Catalytic Cracking
Units (FCCUs) and boilers

Refinery Heavy Liquid Leaks

Petroleum Coke Calcining

Reduce Pollutants



SO₂

NO_x

PM

ROG



What's next?

- Community Summit in Richmond
- Select Strategies and Measures for Success in West Oakland
- BARCT Rule Development