



# **Contract Award for Spare the Air Website Redesign**

**Executive Committee  
Meeting**

*Lisa Fasano*

*Communications Officer*



# Background

- Request for proposal (RFP) process completed in May for Spare the Air website redesign
- Seven proposals received from throughout the US
- Panel of five reviewed and scored all proposals

The screenshot shows the Spare the Air website interface. At the top is the logo and navigation links. The main content area is divided into several sections:

- Spare the Air Status:** Friday, 7/28. No Spare the Air Alert in Effect.
- 2 Day Forecast:** Air Quality Forecast for Thursday, July 27 at 10:19 AM. A table shows AQI scores for different regions: North Counties (38, G), Coast and Central Bay (43, M), Eastern District (46, M), South Central Bay (37, G), and Santa Clara Valley (46, M).
- Stay Informed:** about our Air Quality.
- Get Involved:** in your Community, Business or School.
- Make a Difference:** Learn how to Spare the Air.
- News:** Bay Area Commute Tips, Spare the Air, Cool the Climate, Spare the Air Bike Jerseys!
- Summer Spare the Air Alerts:** A table showing ozone exceedances for Summer 2017.

Ozone Exceedances	
Summer 2017	
Spare the Air Alerts	5
National 8-Hour Ozone Excess Days	0
California 1-Hour Ozone Excess Days	0
California 8-Hour Ozone Excess Days	0



# RFP Proposals

- Proposals were reviewed by:
  - Online Services
  - Communications Office
- Proposals received from:
  - Cylogy
  - Barretto-Co
  - Rightpoint
  - Sonoma Technology
  - Velir
  - Ameex
  - HQE Systems





# Evaluation

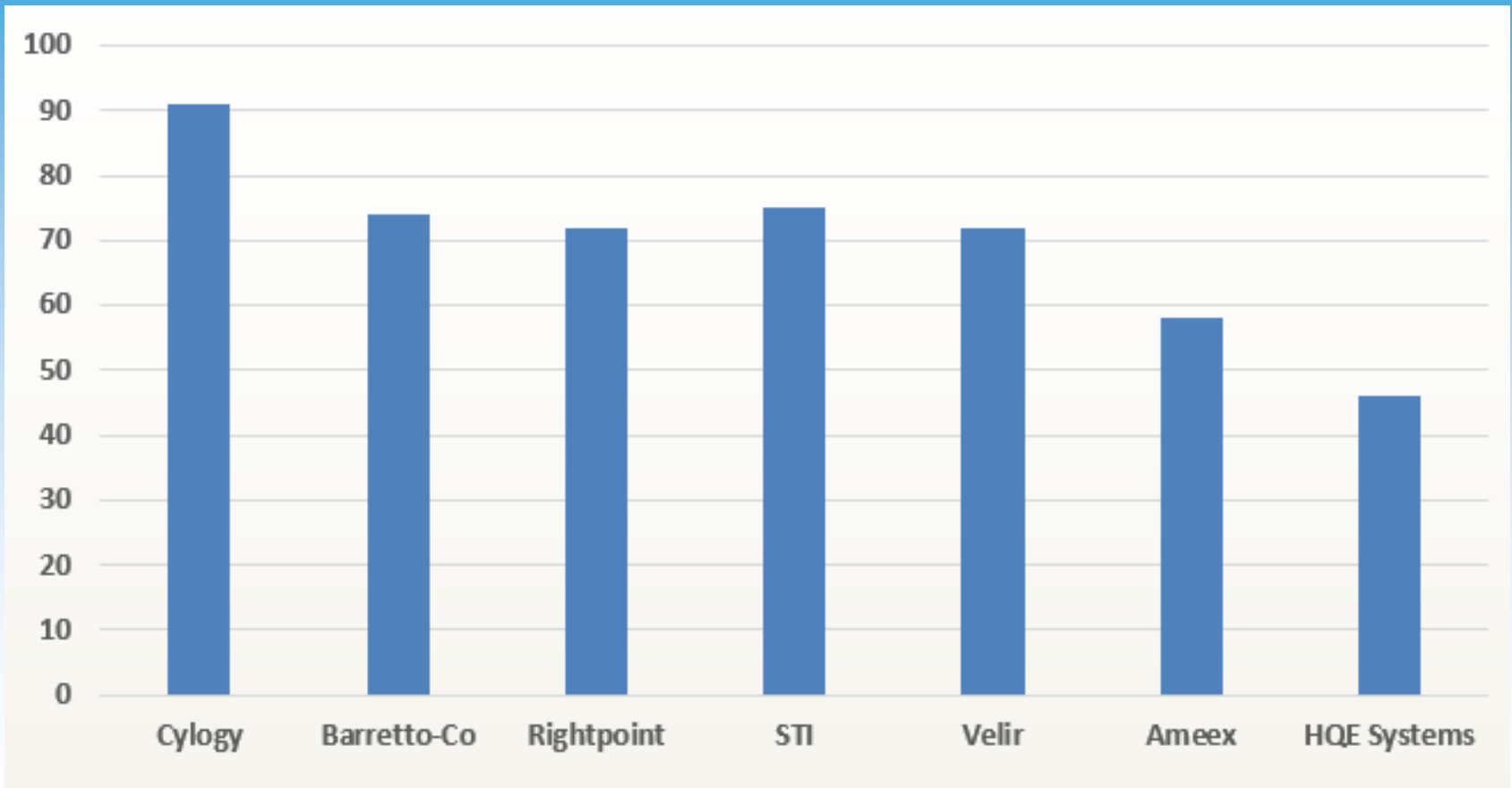
- Proposals were evaluated based on the following criteria:

- Responsiveness of Proposal 20%
- Expertise & Experience of Team 30%
- Project Management Experience 20%
- Cost 20%
- References/Green Business 10%

**TOTAL 100%**



# Evaluation





# Staff Recommendation

Recommend Board of Directors approve the following:

- Authorize the Executive Officer/APCO to execute contract with Cylogy, Inc. in the amount of \$300,000 for website upgrades, architecture, rebuild and design services for the Spare the Air website.
- Funding of \$300,000 held over from Fiscal Year Ending (FYE) 2017 budget

The Cylogy logo consists of a solid red square with the word 'cylogy.' in white, lowercase letters centered within it.

cylogy.



**AGENDA: 6**

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Bay Area Air Quality Management District  
Executive Committee

# Technology Implementation Office: Strategic Planning

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July 31, 2017

Damian Breen  
Deputy Air Pollution Control Officer



# Technology Implementation Office

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Technology Implementation Office (TIO) established:

- As part of Clean Air Plan vision for a post-carbon Bay Area by 2050
- To incentivize regulated facilities to incorporate low carbon intensity practices across industries
- To support deployment of zero emissions vehicles and smart/connective technologies

## Mission Statement

*Establish the Air District as a catalyst for innovation to achieve greenhouse gas emissions reduction by deploying disruptive, low-cost solutions in the areas of zero emissions vehicles, smart/connected technologies, and zero emissions energy generation and efficiency technologies.*





# TIO Team and Collaborators



**Ranyee Chiang, Ph.D.**

**Technology Implementation Officer**

16 years of experience in research, analytics, and launching and leading energy technology programs, including biofuels in the US and household energy technologies in developing countries. Previously at United Nations Foundation and US Department of Energy.

## **Principle Environmental Planner**

- Strategic Grant Opportunities

## **TIO Steering Committee**

- Technologists, Partner agencies, Investors, Banking, Bay Area representatives, other regions

## **Hire 4 – 6 staff**

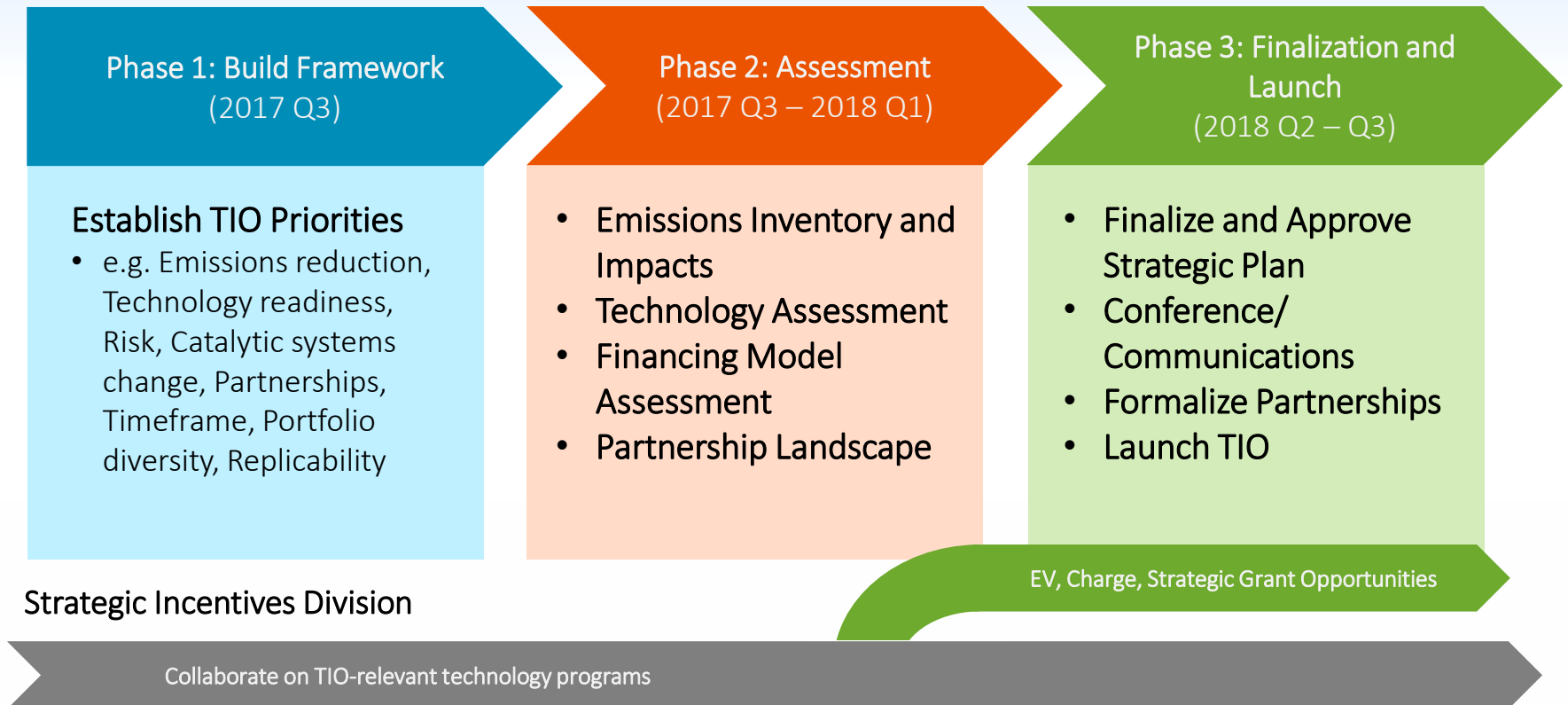
- Includes realignment of Strategic Incentives Division EV staff

## **Collaborations with**

- Strategic Incentives, Engineering, and Planning Divisions
- RFP for consultancy firm for technology assessment
- Partner agencies, experts and informal advisors



# TIO Strategic Planning Activities





# Fiscal Year Ending (FYE) 2018 Approved Budget

\$500,000	<ul style="list-style-type: none"><li>• Develop options for Loan Guarantee and/or Revolving Loan program</li><li>• Technology conference to convene stakeholders to discuss emerging trends</li></ul>
\$1,500,000	<ul style="list-style-type: none"><li>• Technology assessment on best available technology for GHG reductions</li><li>• From designated reserves</li></ul>
\$3,350,000	<ul style="list-style-type: none"><li>• Seed funding for TIO financing mechanism</li><li>• From designated reserves</li></ul>

Budget amounts include personnel, services, and supplies



# Next Steps: Establish TIO Principles

- Constitute Steering Committee, hiring remaining staff
- Establish *TIO principles and trade-offs* with Air District, TIO Steering Committee, partners in a technology-neutral and financing-model neutral way

Risk  Technology readiness

Leveraging partners  Unique niche

Current sources  Changing systems

Data-driven  Communications opportunities

Focused portfolio  Diverse portfolio

Ease for partners  Ease of administration

Climate focus  Additional co-benefits

Regional relevance  Replicability



# Questions

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*Ranyee Chiang*

Technology Implementation Officer

[rchiang@baaqmd.gov](mailto:rchiang@baaqmd.gov)

**EXECUTIVE COMMITTEE UPDATE**  
**ONLINE PERMITTING & COMPLIANCE**  
**SYSTEM UPDATE**

Jaime A. Williams  
Director of Engineering  
Information Technology Officer

July 31, 2017

# AGENDA

My Air Online Overview

2017 Fiscal Year Accomplishments

2018 Fiscal Year Goals

Complex Facility Strategy

Questions

# MY AIR ONLINE MISSION & VISION

To improve operational efficiency, accessibility of information, and quality of service that the Air District provides to the general public, scientific community and regulated businesses through the implementation of web and mobile technologies.



# MY AIR ONLINE PROGRAM

Permitting &  
Compliance  
System (NPS)

Public  
Websites

Data  
Management  
& Analytics

# NPS CURRENT FEATURES

Permit Applications

Annual Updates

Permit Renewals

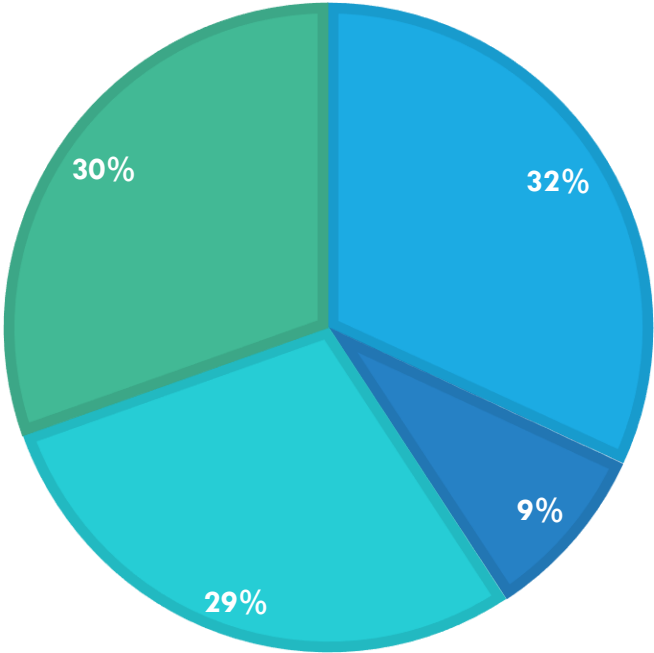
Field Inspections

Complaints

# PERMITTING COVERAGE TO DATE

Abatement Devices	Agricultural Diesel Engines	Auto Body Coating Operations
Char broilers	Dry Cleaning Operations	Emission Points/Area/Volumes
Gasoline Dispensing Operations	Graphic Arts Printing Operations	Internal Combustion Engines
Mobile Refinishing Operations	Small Boilers/Heaters/Steam Generators	Soil/Groundwater Remediation

- Small Businesses (Auto Body, Dry Cleaner & Gas Stations)
- Registered Facilities
- Diesel Backup Engines
- Remaining Facilities



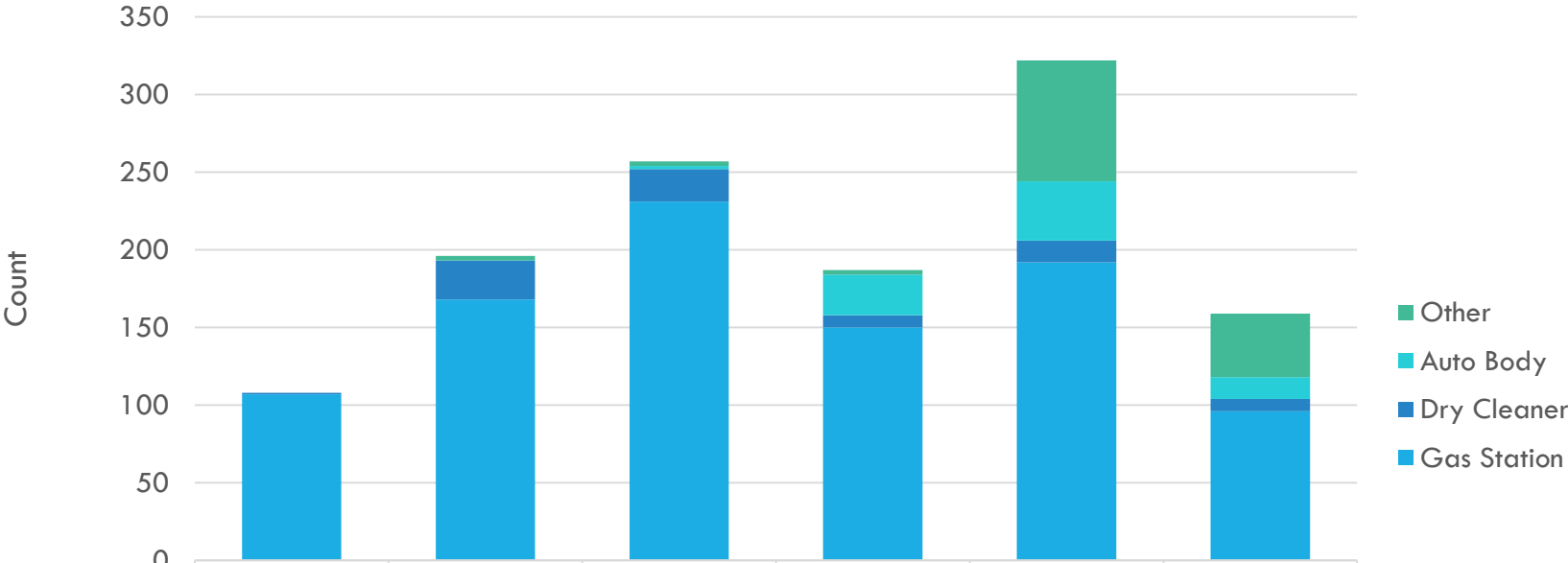


# **2017 FISCAL YEAR ACCOMPLISHMENTS**



# PERMIT APPLICATIONS

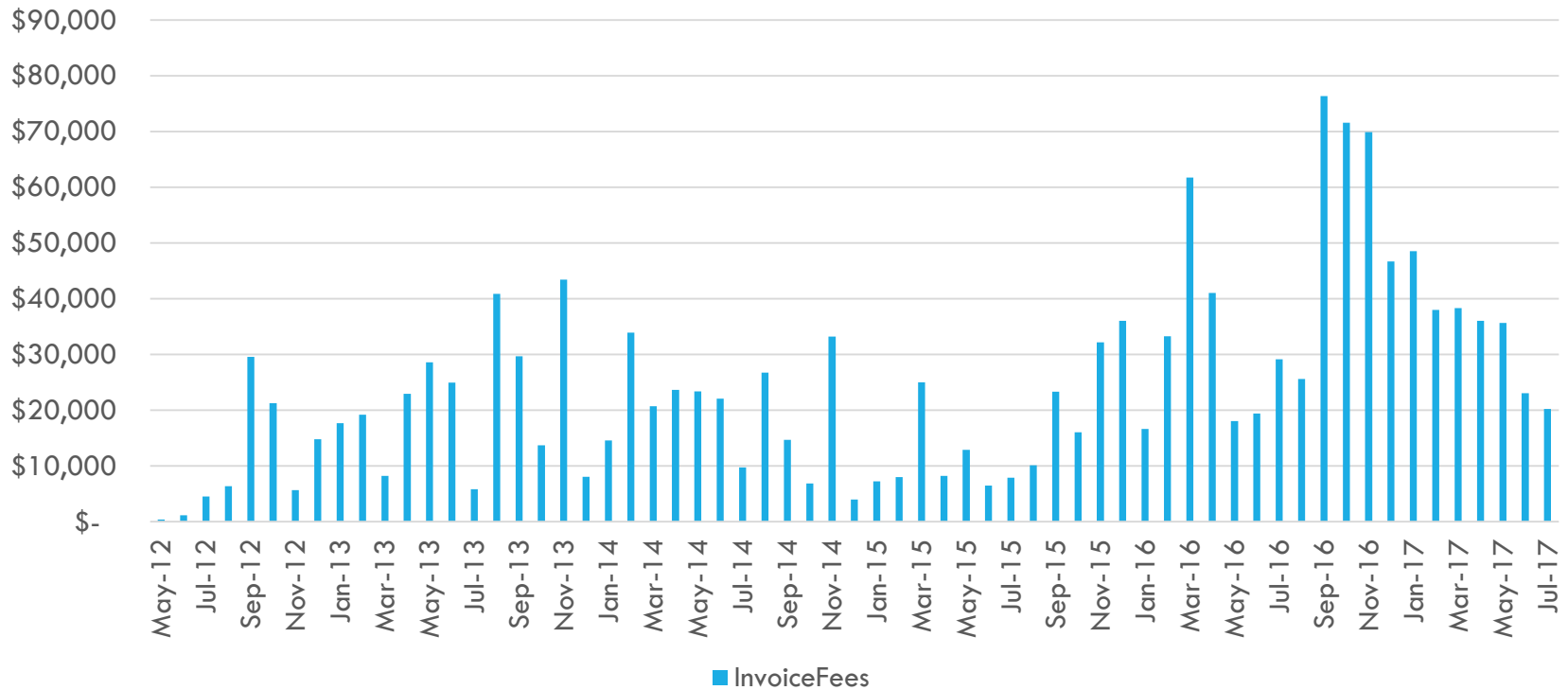
Permit Applications Approved



	2012	2013	2014	2015	2016	2017
Other	0	3	3	3	78	41
Auto Body	0	0	2	26	38	14
Dry Cleaner	1	25	21	8	14	8
Gas Station	107	168	231	150	192	96

# PERMIT APPLICATION REVENUE

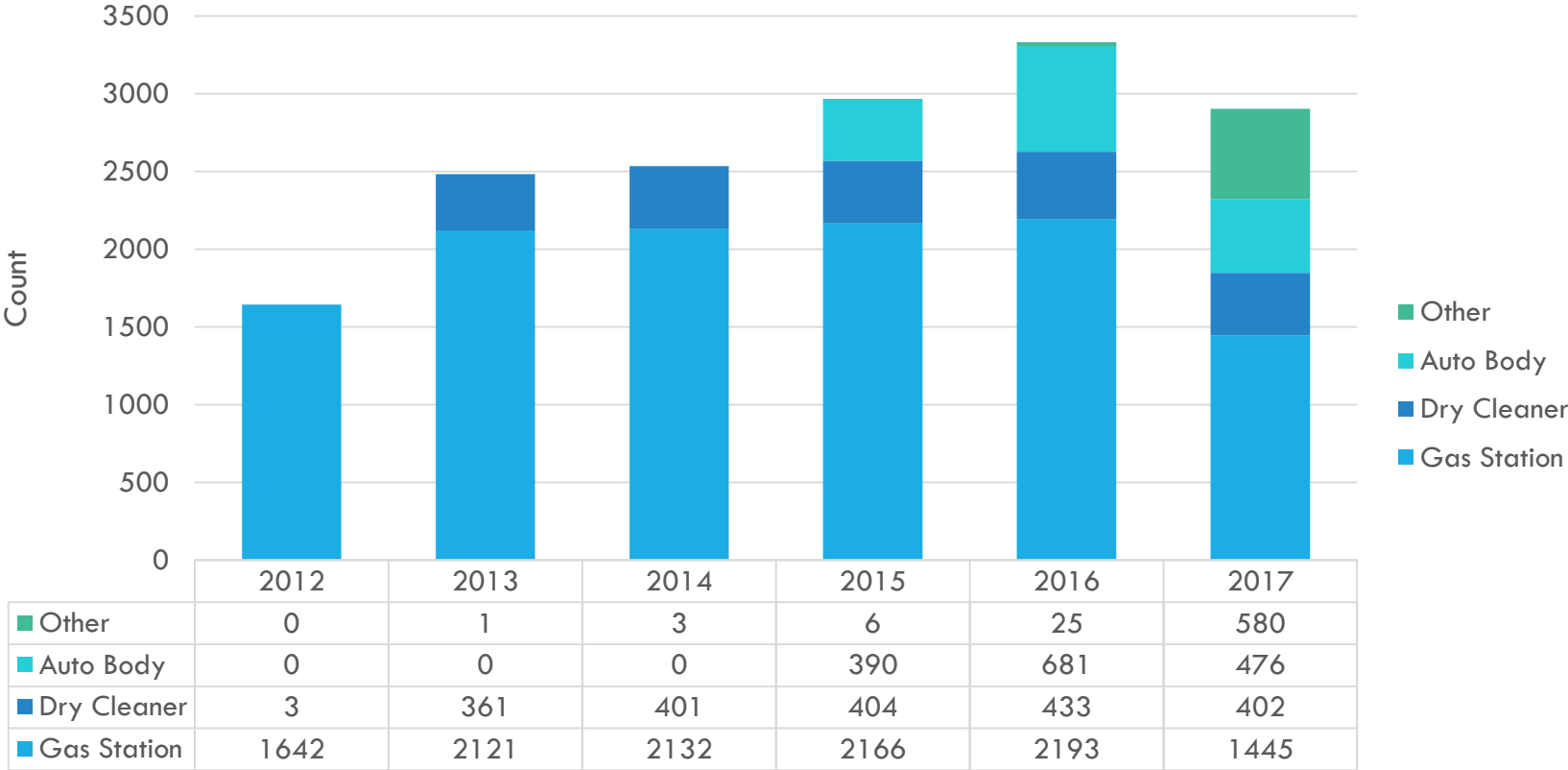
Permit Application Invoice Fees



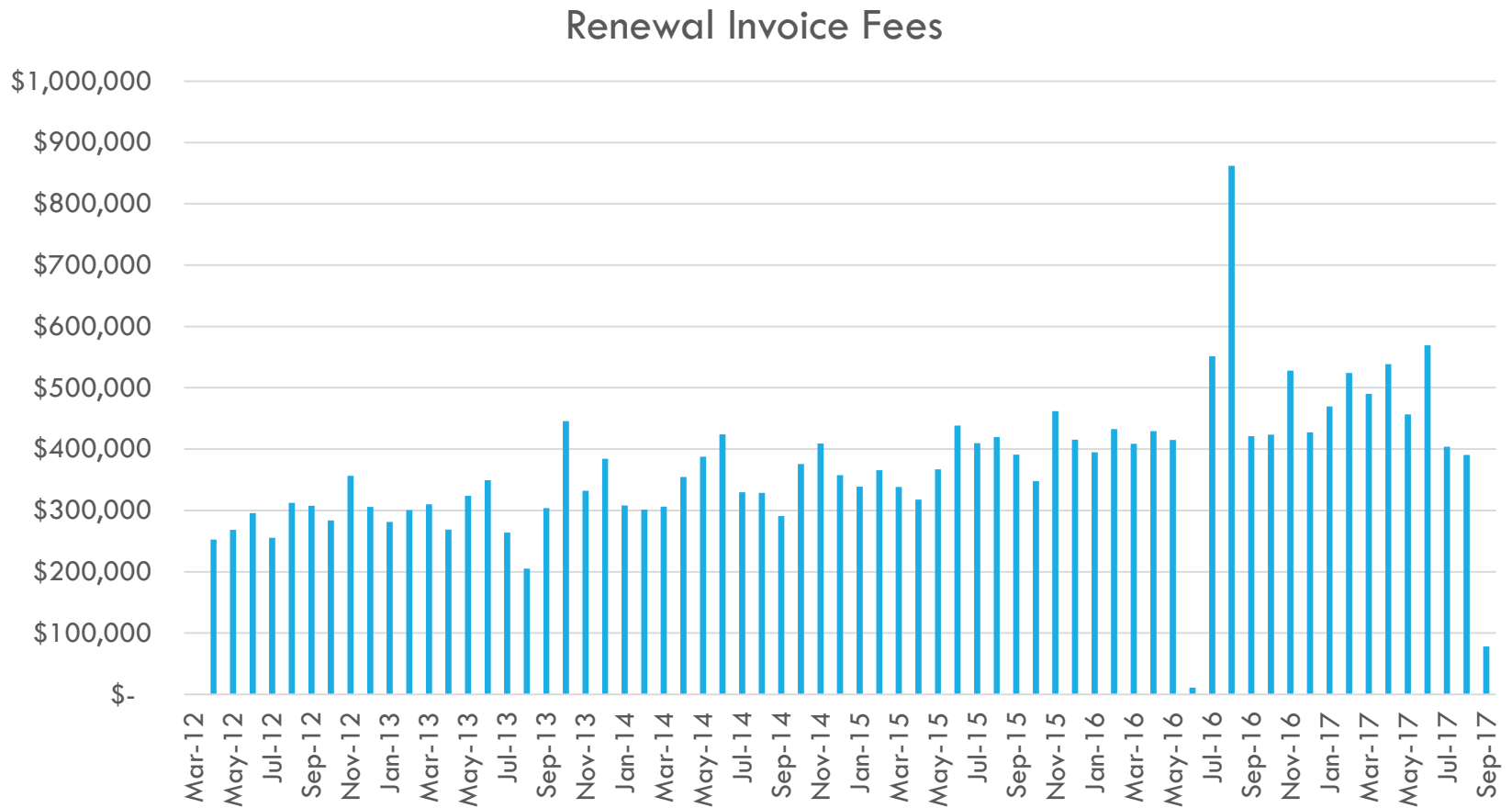
**\$1.5M Since March 2012**

# PERMIT RENEWALS

Permit Renewals Processed



# PERMIT RENEWAL REVENUE

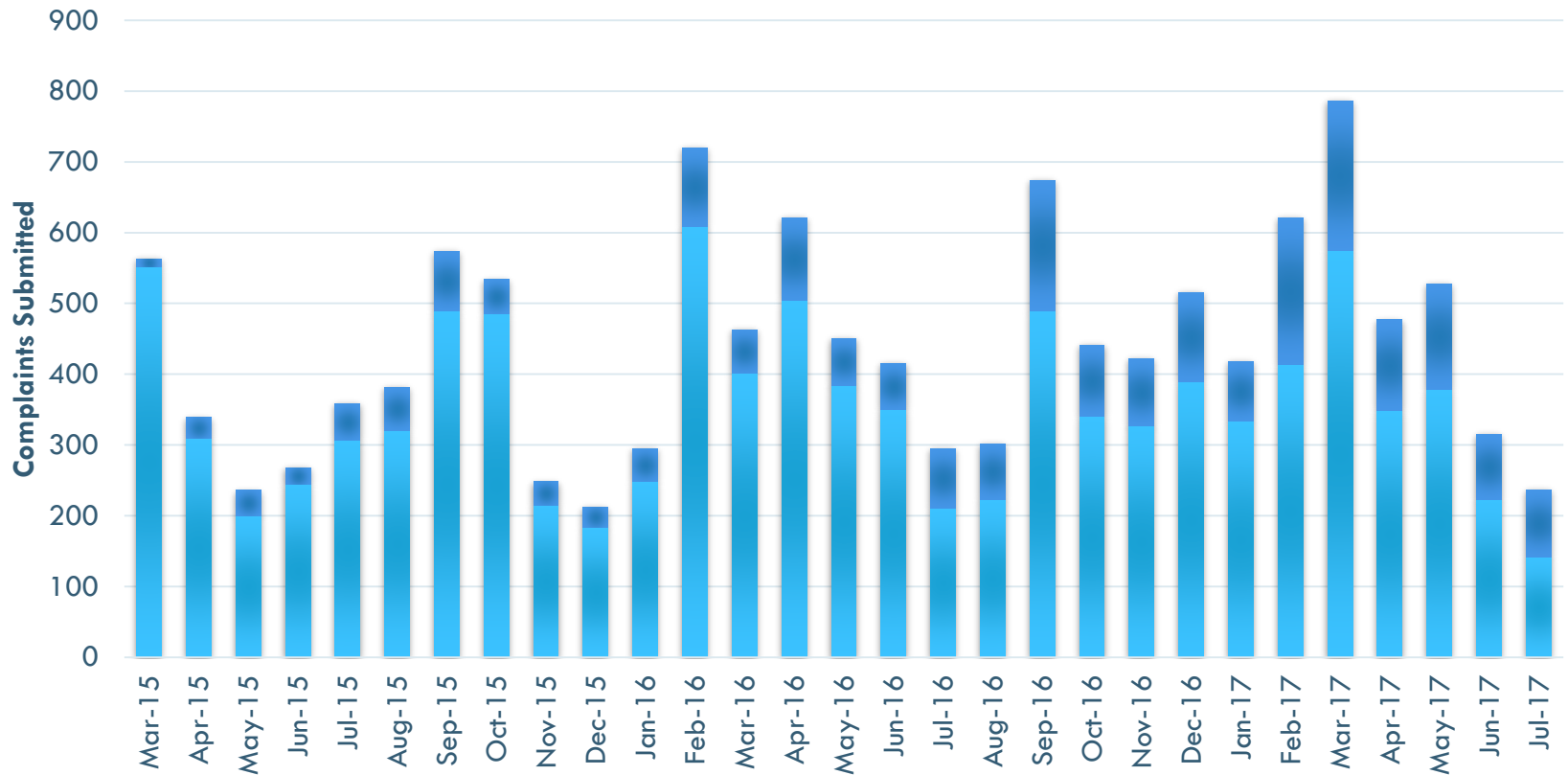


**\$24.4 Million since March 2012**



# ONLINE COMPLAINTS

## 2015 Air Quality Complaint Submissions



# WOOD SMOKE COMPLAINT PROCESSING



Online Wood  
Smoke  
Complaints

Workload  
Assignment and  
Management  
Tools


Electronic Forms  
for Investigations

Exemption  
Management

Violation  
Processing

<https://wscomplaints.baaqmd.gov>


# WOOD SMOKE COMPLAINT WIZARD

 **BAAQMD**  
WOOD SMOKE COMPLAINT


0% Complete

WOOD SMOKE INFORMATION    LOCATION OF SMOKE    CONTACT INFORMATION    REVIEW & SUBMIT


### 1. When did this occur?

 **Are you complaining about burning on a no burn day?**

Yes    No

 **Is the emission/event occurring right now?**


Yes    No

 **Please enter the date/time of the occurrence.**


Occurrence Date & Time \*

Date & Time

### 2. Please describe the smoke...

 **Description of the smoke?**


Black    White

 **Density of the smoke?**

**light** - can see through it


**medium** - can see partially through it

**heavy** - cannot see through it

 **Is there a strong odor present?**

Yes    No

### 3. Complaint Description

 **Briefly describe the complaint:**

Enter complaint description:

0 / 256

**CANCEL**   PREVIOUS   NEXT

[Contact Us](#)   [Air Pollution FAQs](#)   [baaqmd.gov](#)



# WOOD SMOKE INVESTIGATION FORM

This form is Read-Only, in order to edit, you must be assigned to active task.

← BACK

## WOOD SMOKE INVESTIGATION FORM

Task No: WSM185472    Complaint ID: WSC403229

### 1. GENERAL INFORMATION

**ALLEGED LOCATION**  
720 W Napa St, Sonoma, CA, 95476

**CONFIRMED SITE INFORMATION**  
Ericksen Memorial #A0821  
720 W Napa Street, Sonoma, CA 95476    County: SONOMA

### INSPECTION DETAILS

<b>Reporting Inspector</b> Test Area Inspector 3 I-100007	<b>Observation Date/Time</b> Jul 18, 2017 11:45:00 AM
<b>Spare the Air Today?</b> <input type="radio"/> Yes <input checked="" type="radio"/> No	<b>VEE Cert Expiration Date</b> July 18, 2017

### BASIC INVESTIGATION INFORMATION

<b>Type of Investigation (select one)</b> <input checked="" type="radio"/> Complaint <input type="radio"/> Surveillance	<b>Complaint Status (select one)</b> <input checked="" type="radio"/> Confirmed <input type="radio"/> Not Applicable <input type="radio"/> Unconfirmed	<b>Burning during nighttime?</b> <input type="radio"/> Yes <input checked="" type="radio"/> No
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# ASBESTOS RENOVATION/DEMOLITION PROCESS

Online Job Submission

Online Payments

Job Review & Approval

Job Changes & Cancellations

Inspections

The screenshot displays the '1. GENERAL INFORMATION' section of the Asbestos Job Notification form on the Bay Area Air Quality Management District website. The page header includes the BAAQMD logo and navigation links for ASSISTANCE, EMAIL BAAQMD, and CUSTOMER PORTAL. A progress bar at the top indicates the current step is 1. GENERAL INFORMATION, with other steps being 2. CONTRACTOR INFORMATION, 3. LOCATION INFORMATION, 4. JOB DETAILS, 5. WORK SCHEDULE, and 6. JOB REQUEST FEES. The form content includes a text box for general information, a section for ASBESTOS JOB GENERAL INFORMATION with fields for the job name and title, a dropdown for the job request type (Demolition or Renovation), and a question about whether the notification is for a past or currently occurring job. At the bottom, there are buttons for 'SAVE AND CLOSE' and 'CONTINUE TO NEXT SECTION'. The footer contains links for 'PRIVACY POLICY' and 'TERMS OF USE'.

# ASBESTOS JOB EVALUATIONS

TASK SCOREBOARDS - SALLY FIELDS

WOOD SMOKE INSPECTIONS 16 ASBESTOS JOB NOTIFICATIONS 28

128 All Job Notifications

5 Revisions Requested

6 Awaiting Final Fees

6 Awaiting Final Fees & Past Due

37 Late Notifiers

14 Fire Training

37 Emergency

Go to Search

ALL JOB NOTIFICATIONS

Application No	Job Type	Location Address	Submitted Date	Job Start Date	Flags	Job Notification Status
878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees
878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees
878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees
878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees
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878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees
878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees
878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees
878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees
878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees
878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees
878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees
878556	Renovation	514 Ellis St., San Francisco, CA 94123	8-15-2015	8-15-2015		Awaiting Final Fees

← BACK TO DASHBOARD

AQT ASBESTOS FORM

Revisions Requested

ASBESTOS JOB NOTIFICATION

INITIATE CANCEL CURRENTLY EDITING

ASBESTOS JOB NOTIFICATION & TASK NUMBERS

Renovation Project ABC #112188

View Summary →

RENOVATION

Task No #112188

SITE INFORMATION

Nonstop Investment Inc #112188

4300 Clayton Rd, Concord, CA 94521-2844

County: CONTRA COSTA

JOB DETAILS

Job Details

Date Submitted: 08/15/16

Work Schedule Start: 08/15/16

Work Schedule End: 08/15/16

Night Work: Yes

Weekend Work: No

Job Notification Fees

Invoice Due: **Due Now**

Balance Due: **\$1,349.00**

View Invoice: #827362 →

Change Log

Comment	Date & Time	Username
Submitted for Approval	01/18/2016 2:01PM	Jane Doe
Approved by Supervisor	01/20/2016 4:01PM	Baby Doe
Reassigned from Jane Doe to John Doe	01/19/2016 3:01PM	John Doe
Revisions Requested: Please lorem ipsum dolor sit amet.	01/21/2016 5:01PM	George Harrison
Customer called and requested to change the start date.	01/22/2016 4:01PM	Lucille Ball
Site Information Modified: Address changed from 516 Franklin St., San Francisco, CA 94133 to 374 Ellis St.,	01/23/2016	Rev

Add Comment...

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Enter

(For Demo Only) - Show the row below for Renovation.

# ASBESTOS INSPECTIONS

TASK SCOREBOARDS - SALLY FIELDS
ADD NEW TASK

INSPECTIONS 5
ASBESTOS INSPECTIONS 2
WOOD SMOKE INVESTIGATIONS 3
ENFORCEMENT ACTIONS 2

128  
All Asbestos Tasks

6  
Projects Active Today

37  
Emergency

14  
High Priority

37  
Demolitions

6  
Renovations

5  
Revisions Requested

37  
Follow-Up Inspections

Add More Tasks  
→

ALL ASBESTOS TASKS
+ Create Asbestos Task

Select	Task No	Job No	Job Start	Flags	Address	City	Zip	Contractor Name
<input type="checkbox"/>	ASE878556	ASE394736	8-15-2015					
<input type="checkbox"/>	ASE878556	ASE394736	8-15-2015					
<input type="checkbox"/>	ASE878556	ASE394736	8-15-2015					
<input type="checkbox"/>	ASE878556	ASE394736	8-15-2015					
<input type="checkbox"/>	ASE878556	ASE394736	8-15-2015					
<input type="checkbox"/>	ASE878556	ASE394736	8-15-2015					
<input type="checkbox"/>	ASE878556	ASE394736	8-15-2015					
<input type="checkbox"/>	ASE878556	ASE394736	8-15-2015					
<input type="checkbox"/>	ASE878556	ASE394736	8-15-2015					

← BACK TO DASHBOARD
Active

ASBESTOS INSPECTION FORM

1. GENERAL INFORMATION
Job # ASB837653
Task No: ASE394576

ASBESTOS JOB NOTIFICATION SUMMARY
APPLICATION #247956

Project Type

Project Details

Contact Information

SITE INFORMATION

Site Name Lorem Ipsum #827364  
545 Ellis St., San Francisco, Ca 94123

INSPECTION DETAILS

Reporting Inspector  
Janice Dean (384)

Inspection Date  
7/26/2017

Inspection Contact
PLEASE ADD A CONTACT

Comments

Comments

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# 2018 FISCAL YEAR GOALS



# 2017/2018 COMPLIANCE & ENFORCEMENT GOALS

Asbestos

Complaints

Violation  
Processing

Mutual  
Settlement

Reportable  
Compliance  
Activities

- Transition remaining business operations off of legacy systems
- Majority of the design and development activities are complete
- Focus on user acceptance, training and rollout

# PERMITTING PROGRAM GOALS

Permitting Application  
Enhancements

Permit Renewal  
Enhancements

New Financial System  
Integration

Start Complex Facility  
Implementation



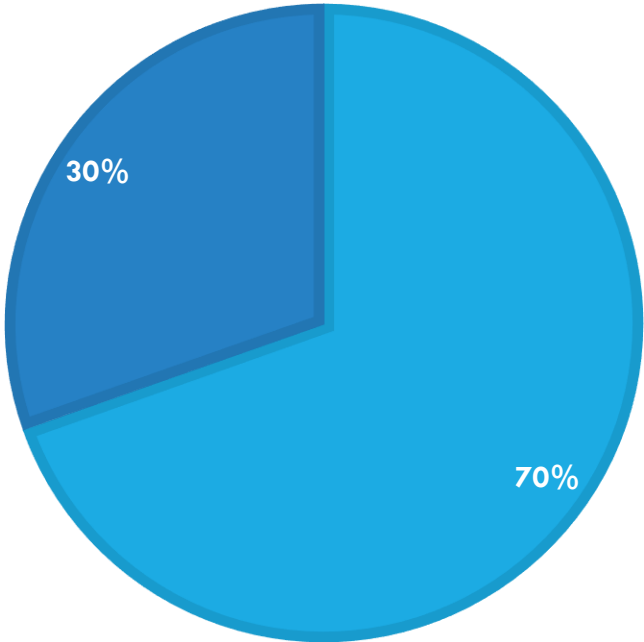
# COMPLEX FACILITY STRATEGY

# COMPLEX FACILITY PLAN

Provide Support for Remaining

# 30%

of Facilities

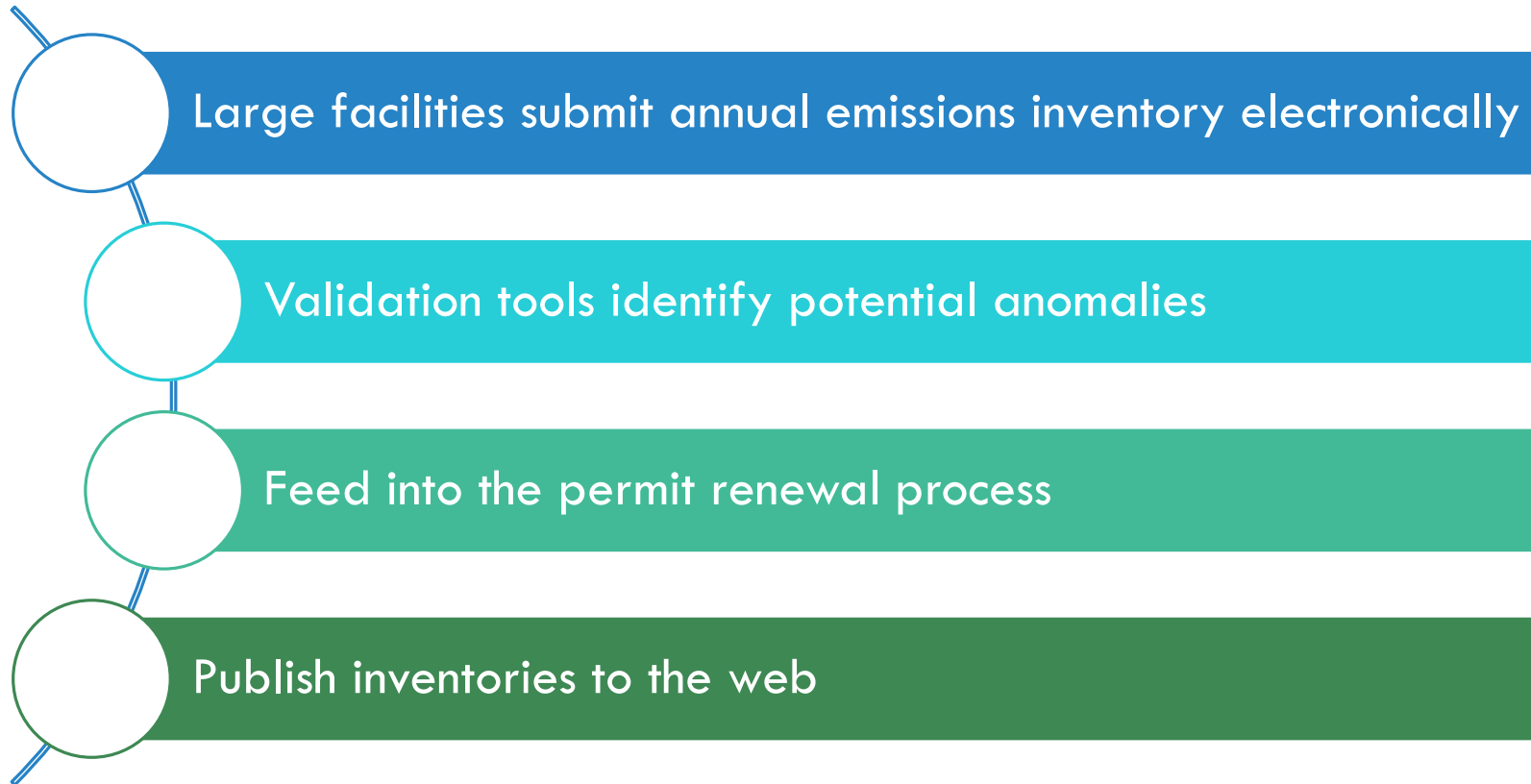


■ Cutover ■ Remaining Facilities

# COMPLEX FACILITY PLAN PROGRESS

- Monthly meetings with refineries to standardize inventory reporting content and format for electronic submittal (BAAQMD Regulation 12, Rule 15)
- Reviewing modeling parameter requirements for Health Risk Assessments efforts (BAAQMD Regulation 11, Rule 18)
- Developing new offset tracking procedures to satisfy EPA requirements (BAAQMD Regulation 2)
- Developing backlog of features required to scale the system to handle complex facilities

# COMPLEX FACILITY EMISSIONS REPORTING





# QUESTIONS

[Jaime.Williams@baaqmd.gov](mailto:Jaime.Williams@baaqmd.gov)