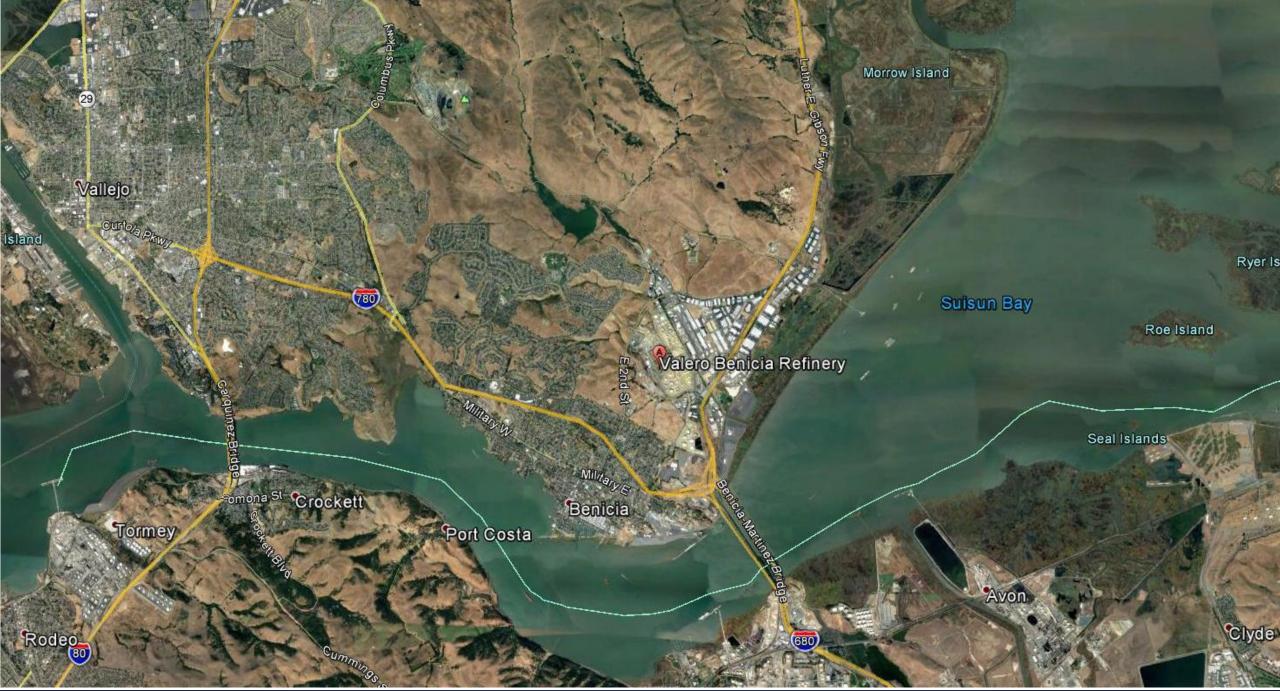


# Briefing on the Valero Benicia Refinery Incident of May 5, 2017

Board of Directors Regular Meeting May 17, 2017

Wayne Kino, Director
Compliance and Enforcement Division





#### **Incident Overview**

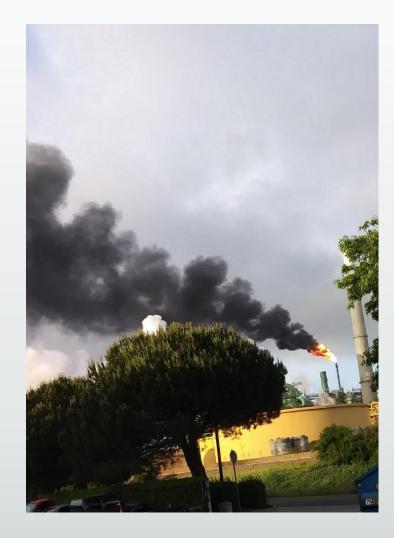
- May 5, 2017 at approximately 6:45 a.m.—
   Refinery-wide power failure occurred
- Complete loss of steam for combustion control
- Emergency shutdown and depressurization of process units occurred
- Process gasses routed to refinery flares and various process stacks



#### Response

BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

- Multi-agency response to the incident
  - Air District
    - Inspection staff immediately mobilized to the site
      - Incident Assessment
      - Complaint Response
    - Air monitoring van mobilized to the site
  - City of Benicia Fire and Police
    - Issued a shelter-in-place for some residents within vicinity of the refinery
    - Two Benicia elementary schools were sheltered-in-place;
      - Robert Semple Elementary School at Hillcrest and 3<sup>rd</sup> St, and
      - Matthew Turner Elementary School on Rose Drive
    - Ordered evacuation of businesses directly downwind of the refinery in the Industrial Park
    - Road closures at Highway 680 off-ramps to Lake Herman and Bayshore Roads
  - Solano County Health Department
  - Federal EPA
    - Collecting air samples/monitoring downwind of refinery and at nearby schools
  - California Resources Board
    - Collecting air samples/monitoring downwind of refinery
  - Benicia's City Manager's Office
    - Coordination of public works infrastructure





## Air Quality Impacts

- Ambient air monitoring conducted by the Air District, Air Resources Board and the EPA
- Numerous community complaints received and investigated by the City and Air District





### Investigation



- Notices of Violation Issued
  - Currently, six notices of violation have been issued to Valero
- Investigation is ongoing
  - Air District inspection staff to further investigate the incident for additional air quality impacts
  - In conjunction with the other agencies, the Air District will investigate and determine the primary cause of the power failure





# Summary of Ozone Seasons

Year	National 8-Hour	State 1-Hour	State 8-Hour
2014*	5	3	10
2015*	5	4	11
2016	15	5	15
2017	0	0	0

**Spare the Air Alerts: 5/3/17** 

Days > 0.070 ppm 8-hour NAAQS: None to date.

<sup>\*</sup>Based on NAAQS of 0.075 ppm that was in place during those years