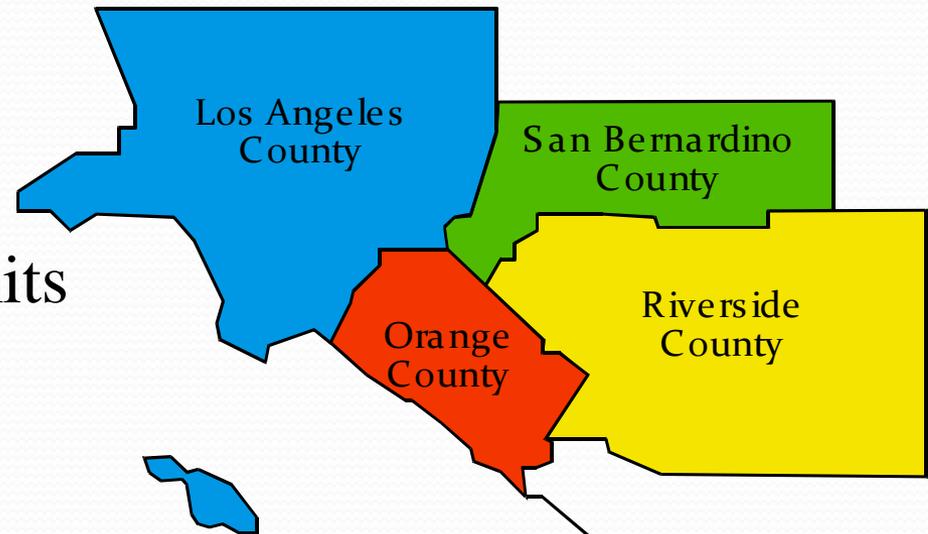


Public Meeting Regarding Bowman Plating

South Coast Air Quality Management District
February 9, 2016

The SCAQMD

- Air pollution control agency for all of Orange County, and the urban portions of Los Angeles, Riverside, and San Bernardino counties
- 16.8 million people
- Tens of thousands of businesses with air permits



Bowman Plating

- Located at 2631 E 126th St., LA County
- Conducts anodizing, plating, testing, coating, and painting of parts in the aerospace and defense industries
- Operates up to 24 hours per day, 7 days per week
- Business in operation since 1945



Bowman Plating



Hexavalent Chromium

- High doses of hexavalent chromium [Cr (VI)] are known to cause cancer and other non-cancer effects
- Facility emits Cr (VI) from several pieces of equipment and potentially from facility wide ‘fugitive’ emissions
 - ‘Fugitive’ emissions are not emitted through air pollution control equipment
 - Bowman received a Notice of Violation in 2015 due to housekeeping practices that could cause fugitive emissions
 - SCAQMD is requiring air quality monitors to be installed onsite to evaluate potential fugitive emissions

AB2588 – Air Toxics “Hot Spots” Law

- The AB2588 Toxic “Hot Spots” law requires facilities to:
 - Report toxic emissions every 4 years
 - Prepare a Health Risk Assessment (HRA) if emissions are above certain screening levels
 - Notify the public and reduce emissions if risks are elevated above SCAQMD thresholds

AB2588 History for Bowman

- Required to prepare an HRA based on emissions in 2005-06
 - HRA approved in 2007
 - Public notification conducted in 2007
- Reported emissions since 2007 have increased and Bowman was required to submit an HRA update in 2014
 - HRA approved in December 2015
 - Public Notification and Risk Reduction required
- Approved Bowman 2015 HRA used recent guidance from the State (CA OEHHA) that takes into account sensitivity of children

Health Risk Assessment Results

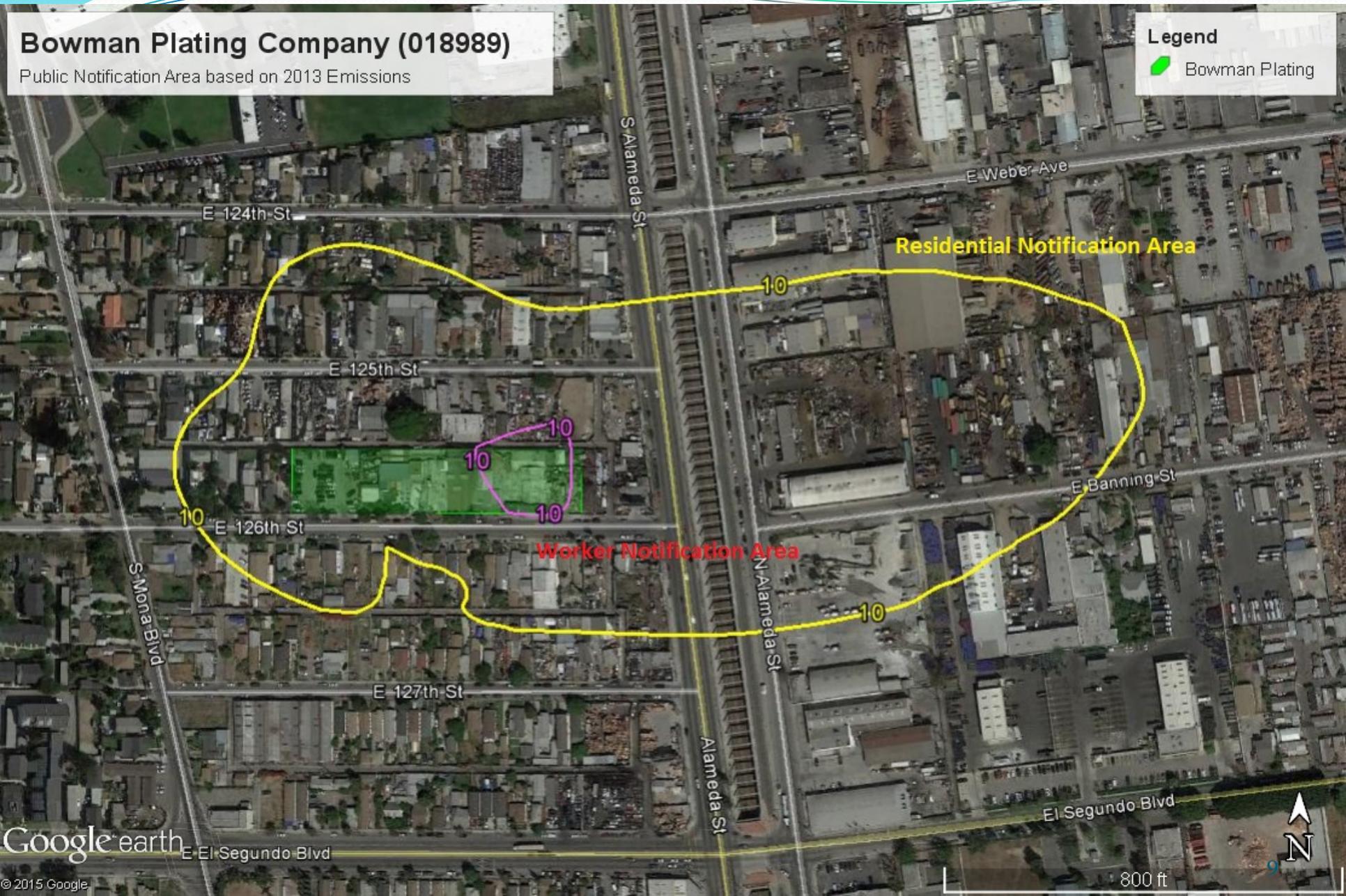
- Bowman HRA assumes 2013 emissions persist for 30 years
- Maximum residential cancer risk of 110 per million at a residential property adjacent to Bowman
- Maximum worker cancer risk is 17 per million at a business adjacent to Bowman
- Non-cancer risks are all below thresholds

Bowman Plating Company (018989)

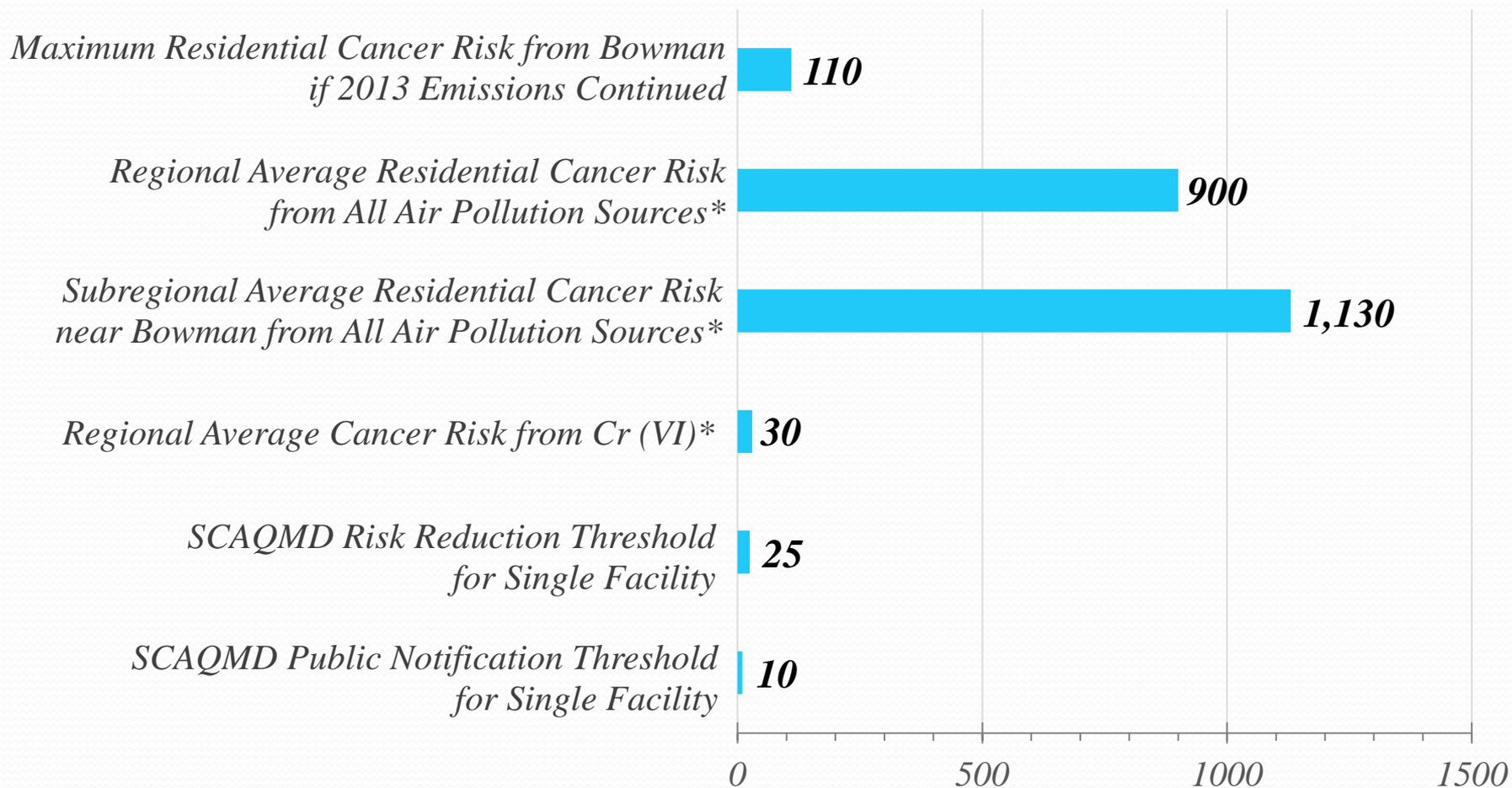
Public Notification Area based on 2013 Emissions

Legend

-  Bowman Plating



Cancer Risk Comparisons



* From SCAQMD MATES IV Air Toxics Study

Public Notification Process

- Letter sent to ~130 addresses
- Public meeting tonight
- Annual public notification until risks below threshold
- Website: www.aqmd.gov/home/regulations/compliance/toxic-hot-spots-ab-2588/bowman-plating-company

Commitments

- Risk Reduction Plan (RRP)
 - Bowman required to reduce risks below 25 per million as soon as possible and no later than three years after submittal of first draft of RRP
 - First draft due June 8, 2016
- Onsite monitoring will be evaluated to determine if fugitive emissions present an increased risk
 - HRA and RRP will be updated as necessary if monitoring shows increase in risk to community
- Website will be updated as information becomes available