



OPW Illegal Dumping Surveillance Camera Program

Amplifying Enforcement Efforts

ILLEGAL DUMPING IN OAKLAND

History

- Litter Enforcement Officers (2001 – 2011)
 - 8 Litter Enforcement Officers; defunded in 2011
- Nuisance Abatement Division (2013-2019)
 - Nuisance Abatement Office created; pilot camera system deployed but performance inconsistent
- Environmental Enforcement Officers (2019 to Present)
 - 6 Environmental Enforcement Officers (EEOs); comprehensive citation system launched
 - Surveillance camera program transferred to OPW; worked with Privacy Advisory Committee (PAC)
 - Dec 2021: new camera technology approved by PAC



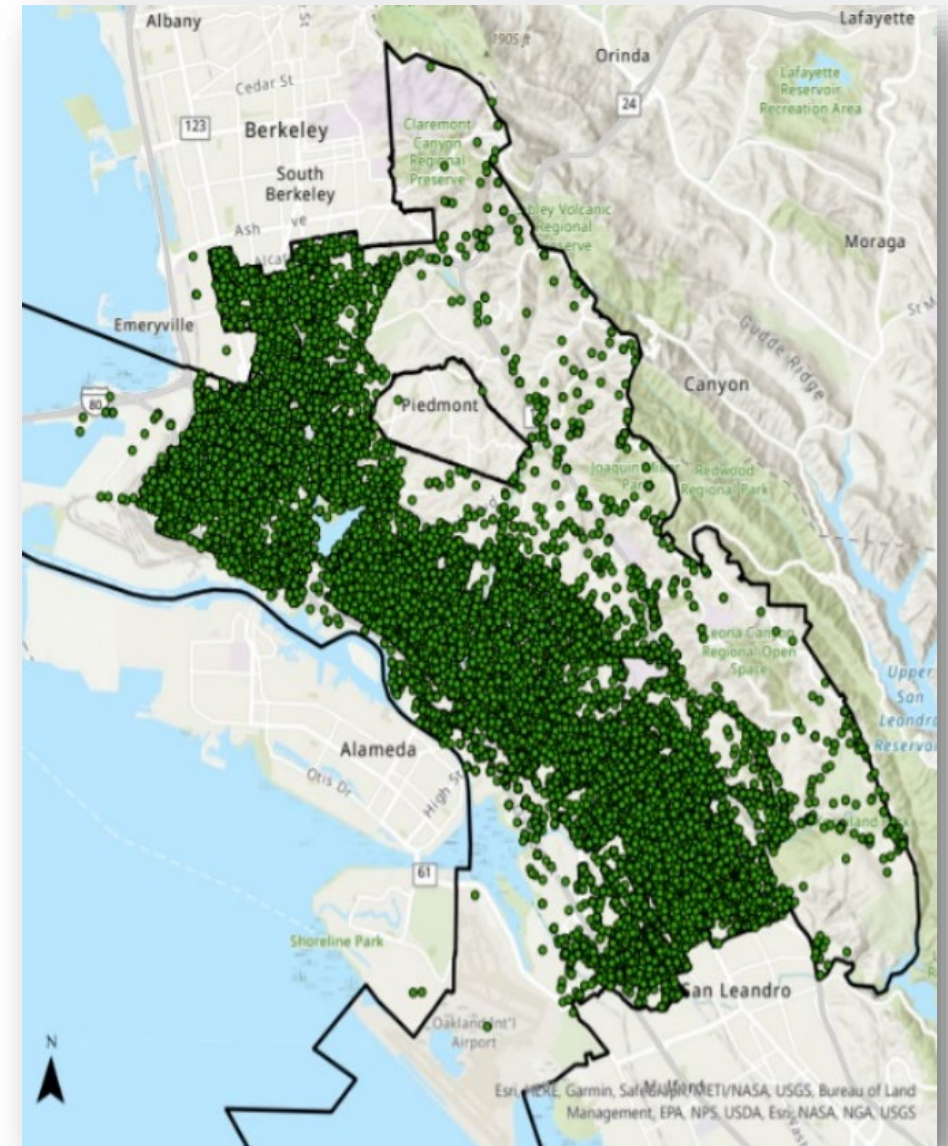
ILLEGAL DUMPING IN OAKLAND

Dumping Statistics

- 7,470 tons of debris removed*
- Over \$12M spent abating illegal dumping*
- Oakland's Dumping grew 67%** since 2017

* FY2020-21

** 4,472 tons



FY2020-21 Illegal Dumping Work Orders Completed by KOCB

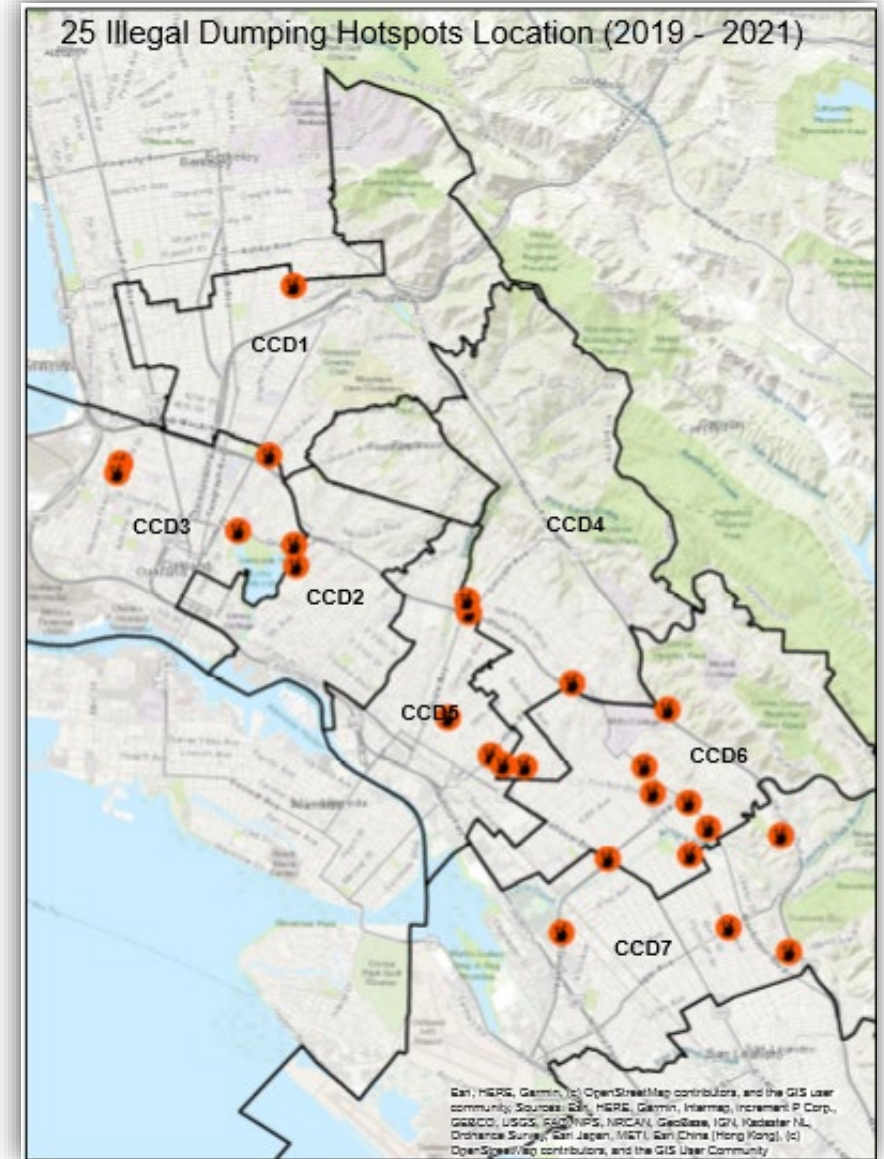
ILLEGAL DUMPING “HOTSPOTS”

- Hotspot: locations experiencing recurring illegal dumping, often with insufficient evidence connecting dumped piles to dumpers
- Cityworks Data shows: Top 25 hotspots had over 100+ dumping pick-ups per location over a two-year period (FY2019-2021)



ILLEGAL DUMPING “HOTSPOTS”

- Hotspots often near Homeless Encampments
- Most Hotspots in Council Districts 3, 5, 6, and 7
- Strategy: Deploy cameras using Cityworks data, cross-referenced by EEO field intel



FY2019-21 Illegal Dumping Hotspots as defined by locations with most work orders

THREE “Es” of ILLEGAL DUMPING



Eradicate



Educate



Enforce

- Cannot abate our way out of dumping issue
- Over 18 months of continuous education & outreach
- 1,316 citations issued since JUL 6, 2020
- Must increase enforcement actions

MOBILE OBSERVATION DEVICE (POD)

- All-in-one, portable surveillance system in tamper-resistant, metal housing
- Four (4) camera or two (2) camera models
- Includes digital video recorder, cellular router, wifi transmitter
- Additional bullet camera to view license plates



MOBILE OBSERVATION DEVICE (POD)

- Needs only 110v power to activate
- Mobile phone access capable
- Easy to install; easy to move
 - https://www.youtube.com/watch?v=J12TDHc_g4Q&list=PLrzi7S2FrTsoAilQOy2VeecD8dCdESwzP&index=1
- Uncomplicated technology minimizes factors that may impact camera performance
 - Not cloud-based
 - On-board video recording
 - Minimal equipment required
 - Photocell adapter to access power



POD USE BY OTHER MUNICIPALITIES & AGENCIES



- City of Alameda – Public Works Corp Yard; Police Department surveillance
- Sacramento – Parks surveillance
- Fremont – Parks surveillance
- San Leandro – Parks surveillance
- Dallas, TX – Parks surveillance
- Cleveland, OH – Parks surveillance

PRIVACY ADVISORY COMMISSION (PAC)

- December 2, 2021: PAC Unanimously Approved OPW's Surveillance Camera Program
- Third-Party Data Sharing with OPD/ DA's Office Policies Include:
 - *"In the event POD cameras capture general illegal activity that reasonably appears to constitute "violent forcible crimes"... Environmental Enforcement Unit (EEU) staff shall... forward said recording to OPD for possible investigatory and enforcement action..."*
 - *"OPW shall report within 72 hours any Oakland Police Department (OPD) request for video recordings captured by POD units to the Chief Privacy Officer and Privacy Advisory Commission (PAC) Chair..."*

PROGRAM SUMMARY

- Establish OPW Illegal Dumping Surveillance Camera Program per PAC-approved Use Policy
- Acquire and deploy 10 POD surveillance systems
 - Additional PODs to be purchased after trial period
 - Install mobile units Citywide, in public rights of way
 - Near hotspots as determined by Cityworks data, but vetted by EEO field work
- Allocate staffing
 - EEOs to investigate, cite, and build cases for prosecution
 - Analyst I to review/search/download dumping footage
 - Hire one Administrative Assistant in FY22-23





QUESTIONS

G. Harold Duffey

Director – Oakland Public Works