



OPW Illegal Dumping Surveillance Camera Program

Amplifying Enforcement Efforts

ILLEGAL DUMPING IN OAKLAND

History

- Litter Enforcement Officers (2001 – 2011)
 - 8 Litter Enforcement Officers (LEOs)
 - 2011: Program defunded; Unit disbanded
- Nuisance Abatement Division (2013-2019)
 - City Administrator's Office led enforcement efforts; minimal staffing
 - Council approved new provisions for dumping enforcement in Oakland Municipal Code; approved \$100k for surveillance cameras
 - Camera system's performance inconsistent



ILLEGAL DUMPING IN OAKLAND



History

- Environmental Enforcement Officers (2019 to Present)
 - 6 Environmental Enforcement Officers (EEOs)
 - JUL 2020: Comprehensive citation system launched
 - Includes appeal process, community service in lieu of fine, collections process
 - Fall 2019: Surveillance camera program transferred to OPW from Nuisance Abatement
 - Verkada (Mid 2020/ Early 2021)
 - Presented to Privacy Advisory Committee meeting (AUG 2021)

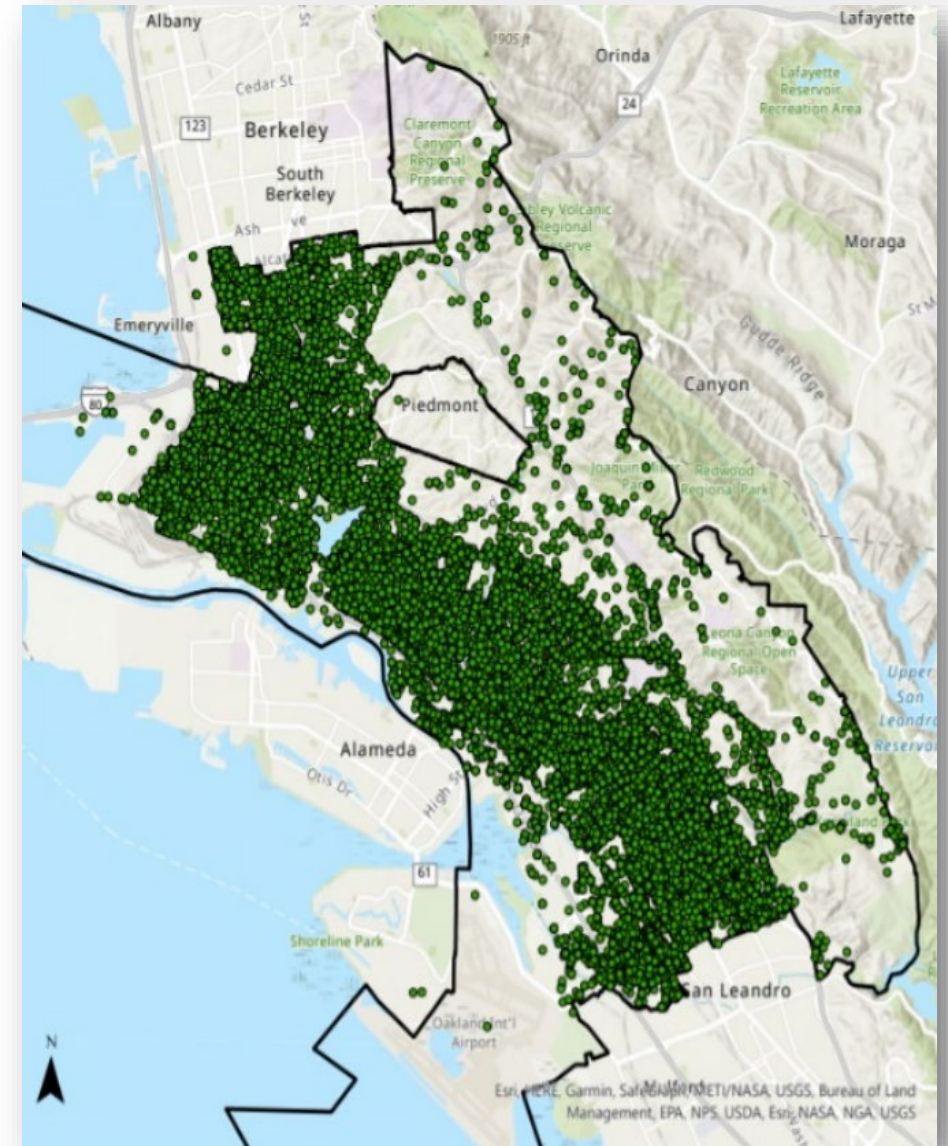
ILLEGAL DUMPING IN OAKLAND

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

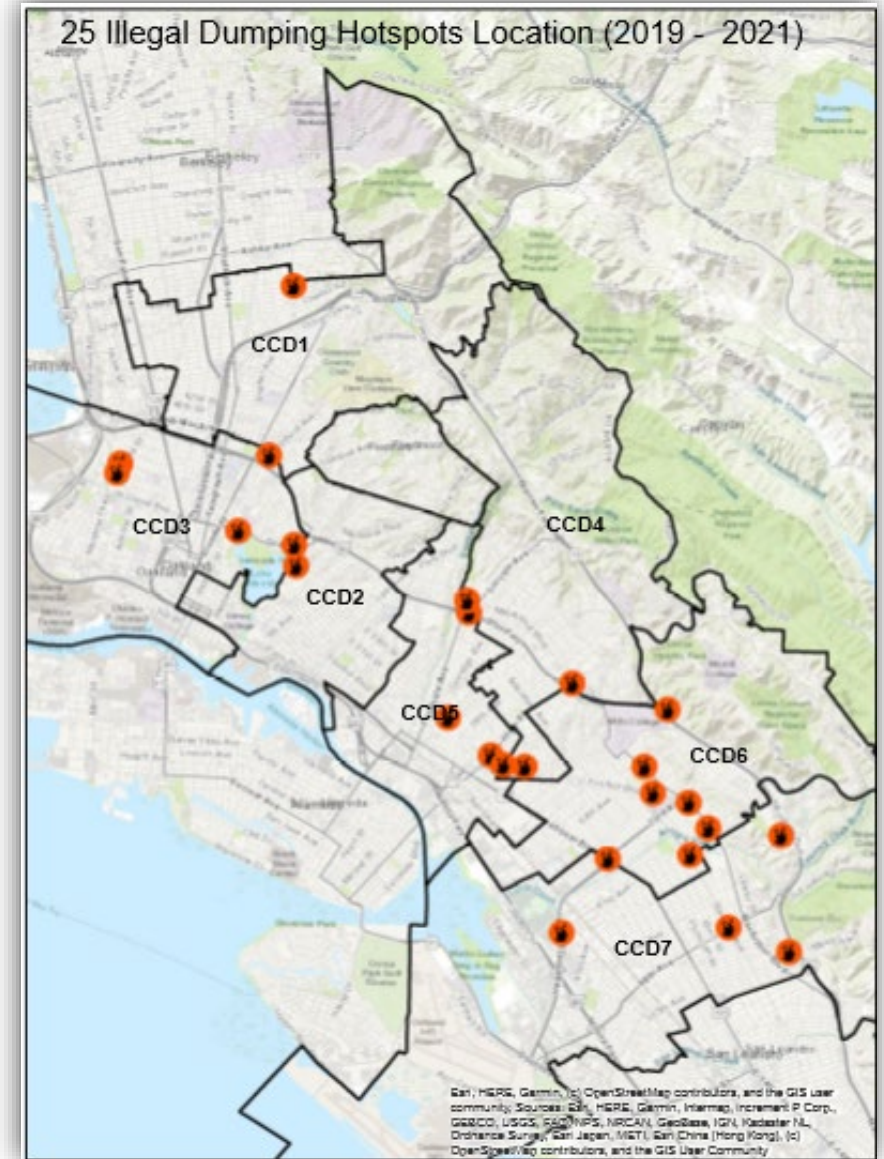
ILLEGAL DUMPING “HOTSPOTS”

- 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, with hottest hotspot logging 300+ dumping pick-ups over 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..."*



QUESTIONS

G. Harold Duffey

Director – Oakland Public Works