



Strategic Property Code Enforcement and Impacts on Surrounding Markets: Analysis of Philadelphia's Implementation of Pennsylvania's Neighborhood Blight Reclamation and Revitalization Law (Act 90, 2010)

**William Penn Data Collaborative
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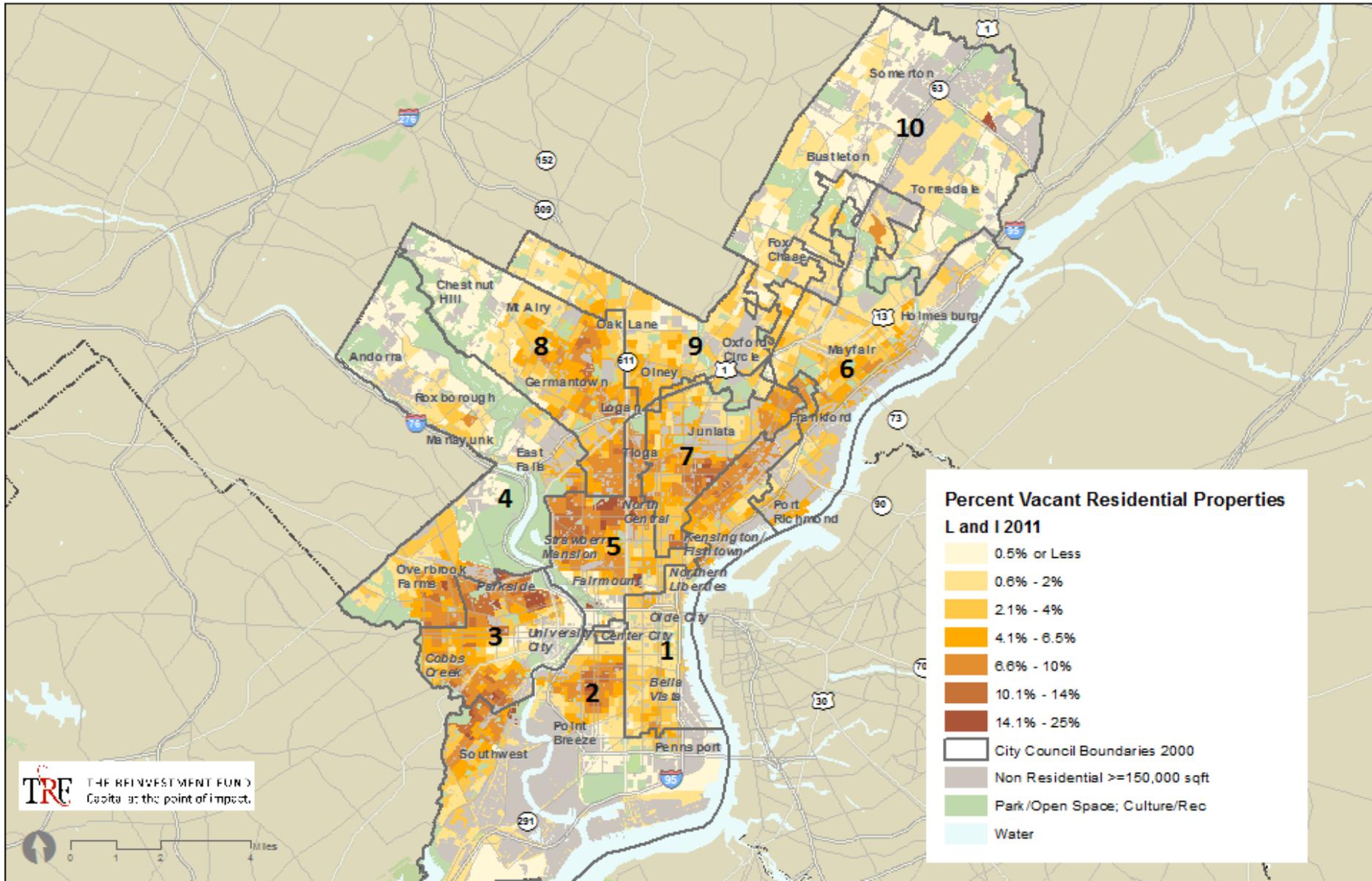
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Licenses and Inspections' Act 90 Enforcement

- Among a variety of new capacities for combating blight, Act 90 allows municipalities to attach fines to the personal property of Property Maintenance Code violators and to create 'blight courts' to streamline resolution of fines and penalties.
- The City's Doors and Windows Ordinance* requires all structures on blocks with at least 80% occupancy to have working doors and windows (i.e., not plywood or masonry). Fines are \$300 per opening per day.
- Taken together, L&I enforcement activity has included:
 - Citing vacant structures that are found upon inspection to violate the *Doors and Windows Ordinance*
 - Targeting *owners of multiple blighting buildings* (i.e., large property owners) for a Blight Court date to arbitrate a resolution of the violations and accrued fines. These buildings are not necessarily located in areas with at least 80% occupancy.

Residential Vacancy in Philadelphia



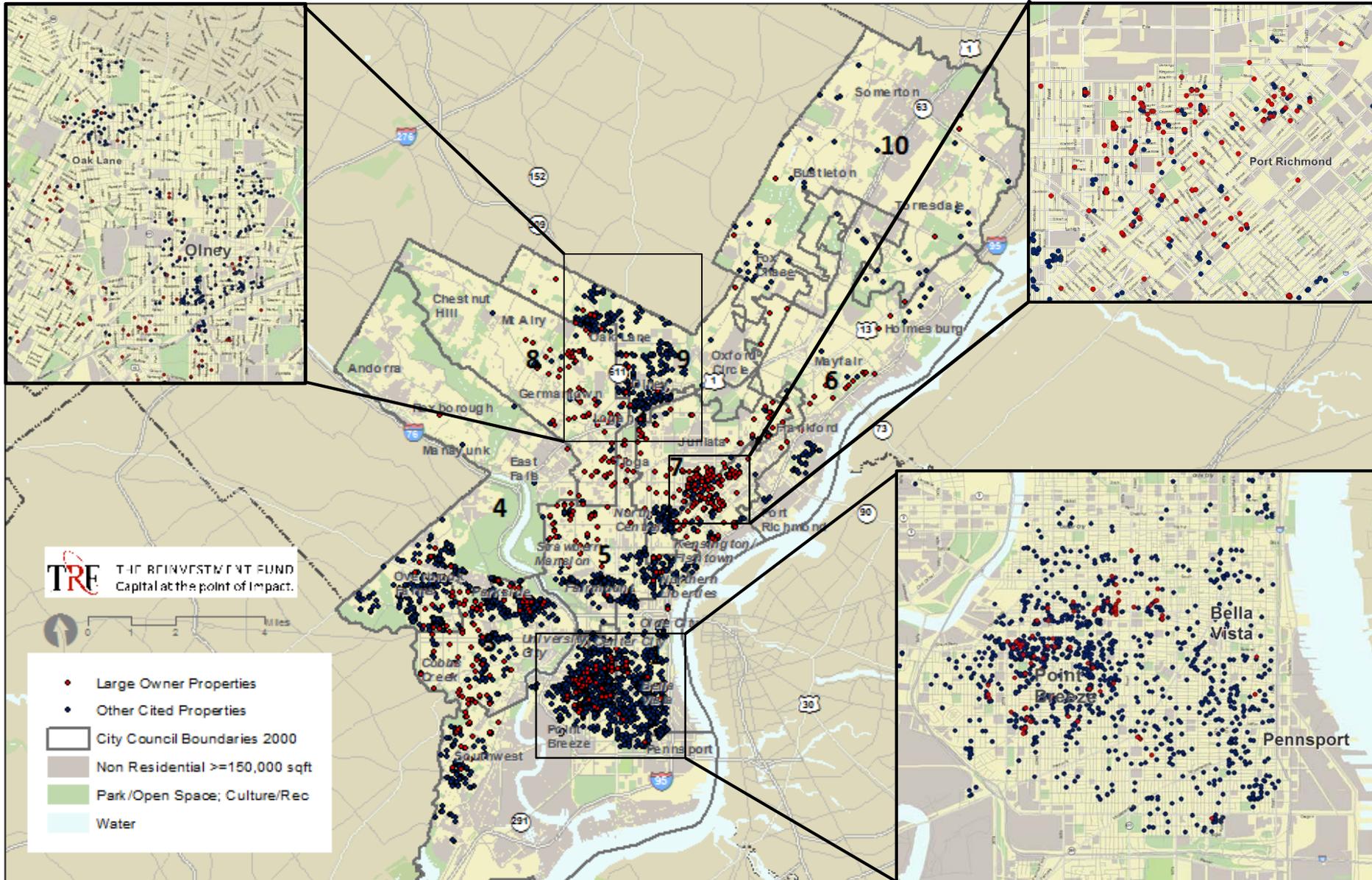
TRF's Evaluation of Act 90 Enforcement

- Theory: Blighting properties have a depressing effect on real estate sales and sales prices for nearby properties.
 - Code enforcement that reduces the number of blighting properties mitigates or eliminates the negative externality on the real estate market.
- Therefore neighborhoods that receive concentrated code enforcement should later exhibit higher value real estate sales and decreased amounts of residential tax delinquency than similar areas that have not.

Methodology for Testing this Theory

- TRF received a database from L&I containing a variety of data on vacant Philadelphia properties as of May 2013, including:
 - Known vacant properties
 - Whether those properties are in areas eligible for Doors and Windows citations
 - Whether the property was cited
 - If there was a Blight Court date scheduled for the violation
- TRF identified Census block groups as “Neighborhood Enforcement Clusters” (NEC) based on:
 - At least 50% of known vacant properties cited
 - More than 5 citations in the Census block group
- Comparable neighborhoods (Comps) are then identified based on a number of data points, including: sales price before the intervention, percentage change in sales price, owner occupancy, number of households, HUD-defined *foreclosure risk score*, percentage of properties in foreclosure and distance from the NEC.

L&I Citations as of May, 2013



Summary of Activity as of May 2013

	Vacant	Cited	Percentage Cited
Philadelphia	25,100	7,533	30.0%
NEC	3,612	2,600	72.0%

Council District	Total OPA Properties	Share of Vacant Properties	Vacant	Percent Vacant	Cited	Percent of Vacants Cited	Share of Cited Properties
1 (Squilla)	74,872	10.7%	2,697	3.6%	912	33.8%	12.1%
2 (Johnson)	64,509	13.0%	3,260	5.1%	1,326	40.7%	17.6%
3 (Blackwell)	49,713	15.3%	3,832	7.7%	1,185	30.9%	15.7%
4 (Jones)	53,060	8.1%	2,023	3.8%	705	34.8%	9.4%
5 (Clarke)	68,443	18.0%	4,529	6.6%	873	19.3%	11.6%
6 (Henon)	55,634	5.9%	1,492	2.7%	357	23.9%	4.7%
7 (Quinones-Sanchez)	60,395	12.6%	3,155	5.2%	791	25.1%	10.5%
8 (Bass)	51,221	10.0%	2,516	4.9%	823	32.7%	10.9%
9 (Tasco)	50,347	4.8%	1,198	2.4%	485	40.5%	6.4%
10 (O'Neill)	50,619	1.6%	395	0.8%	73	18.5%	1.0%
Total	578,813	100.0%	25,100	4.3%	7,533	30.0%	100.0%

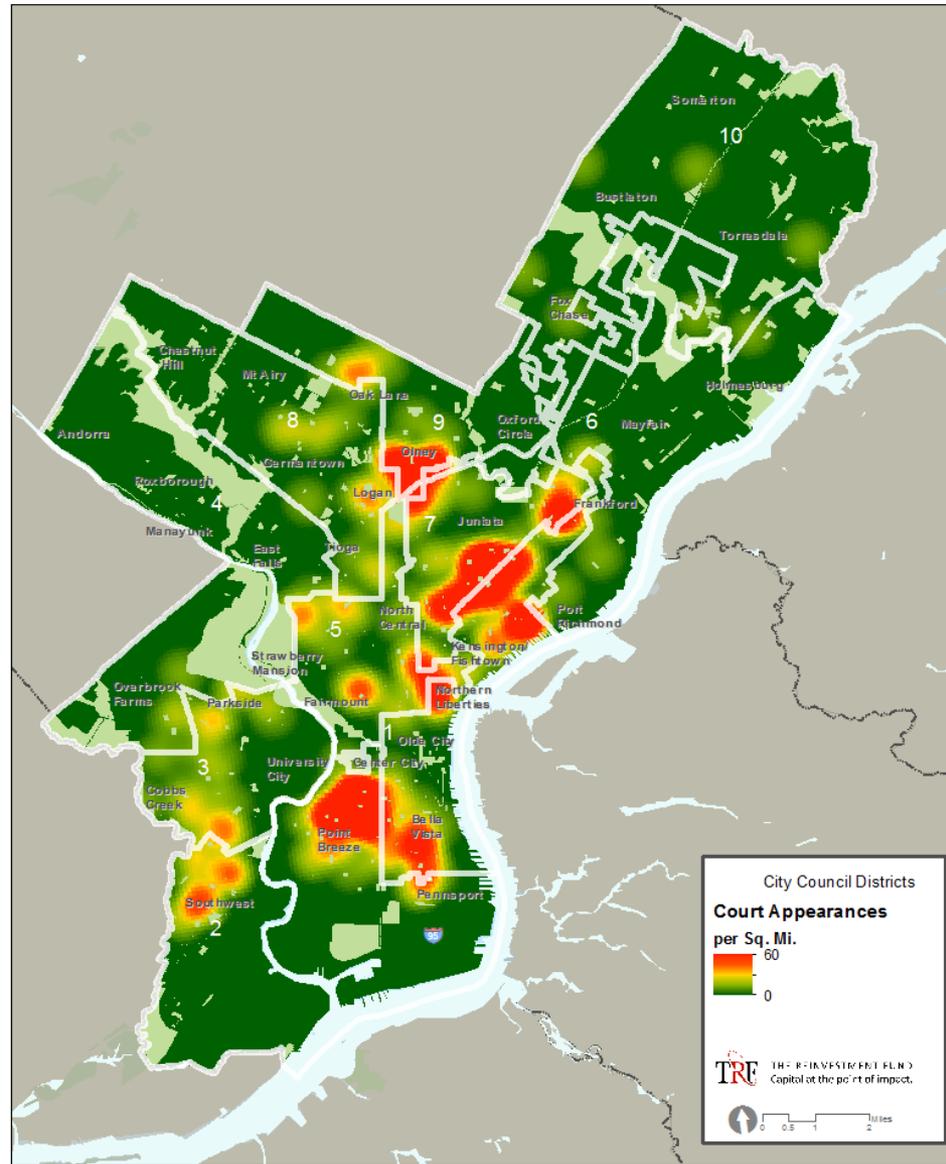
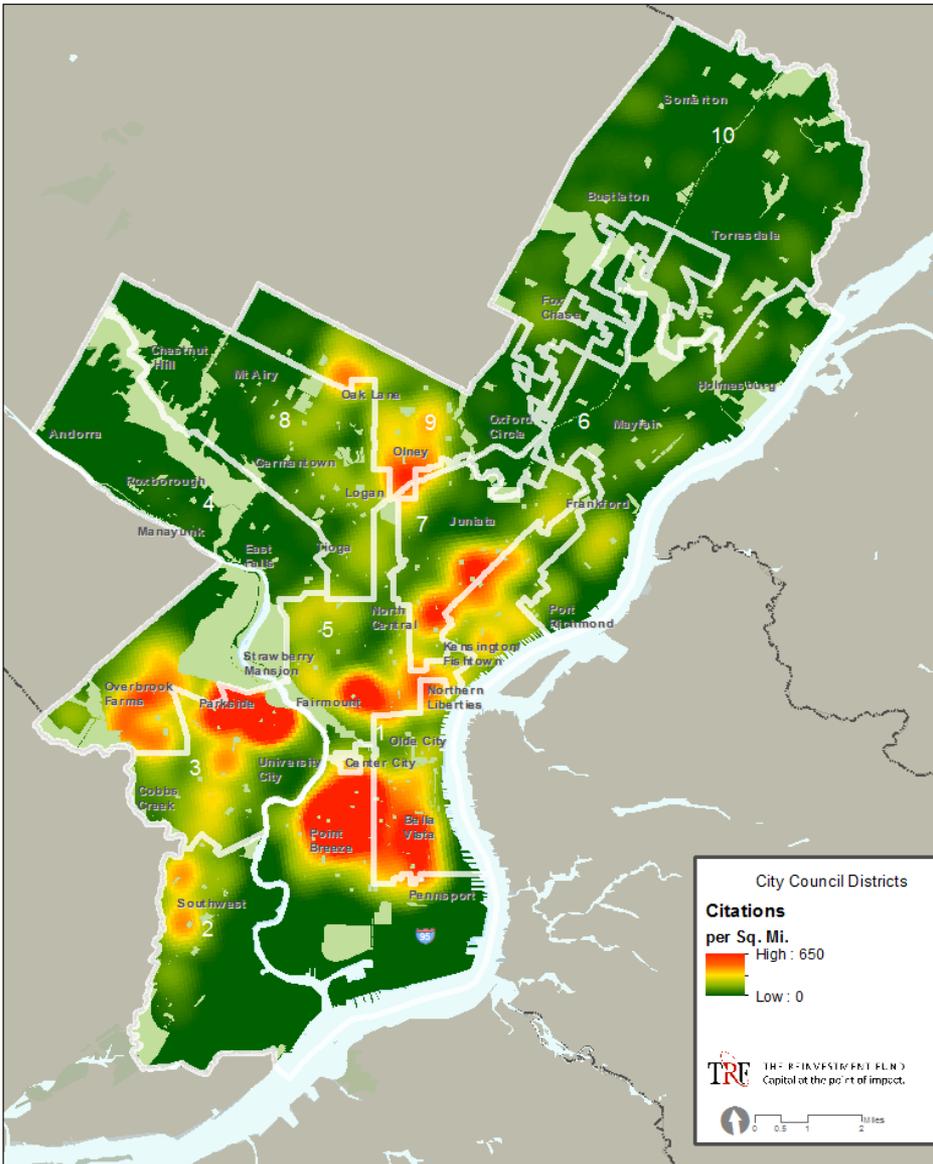
Large Owner Citation Activity

	Totals	Cited	Complied	% Compliance
Large Owners	1,072	1,072	479	44.7%
Blight Court	144	144	115	79.9%
No Blight Court	928	928	364	39.2%

Note: Properties owned by those who own many vacant properties (i.e., “large owners”) need not be located on blocks that are 80% or more occupied. Citations to large owners comprise 14% of all citations. Approximately 20% of properties owned by large owners are in NECs.



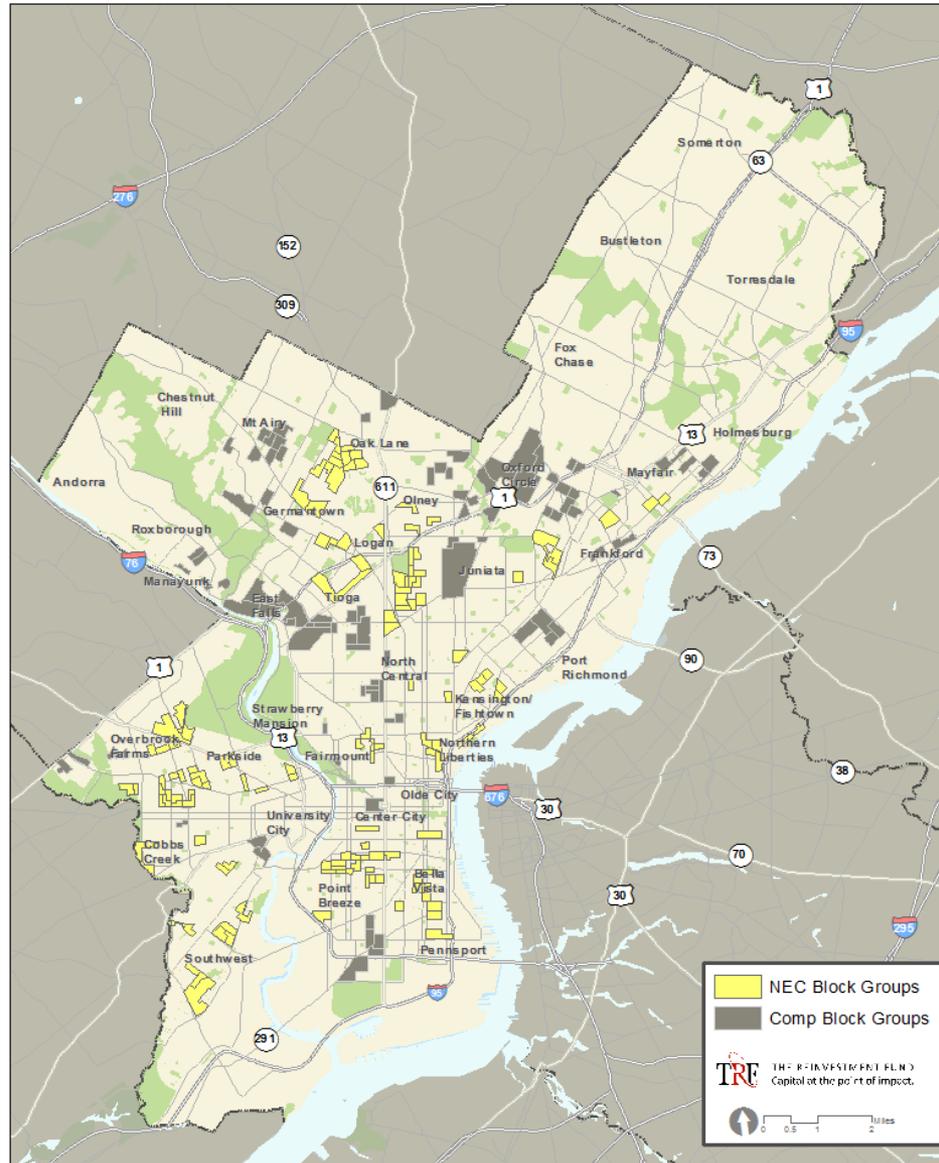
Location of Act 90 Enforcement Activities by City Council District



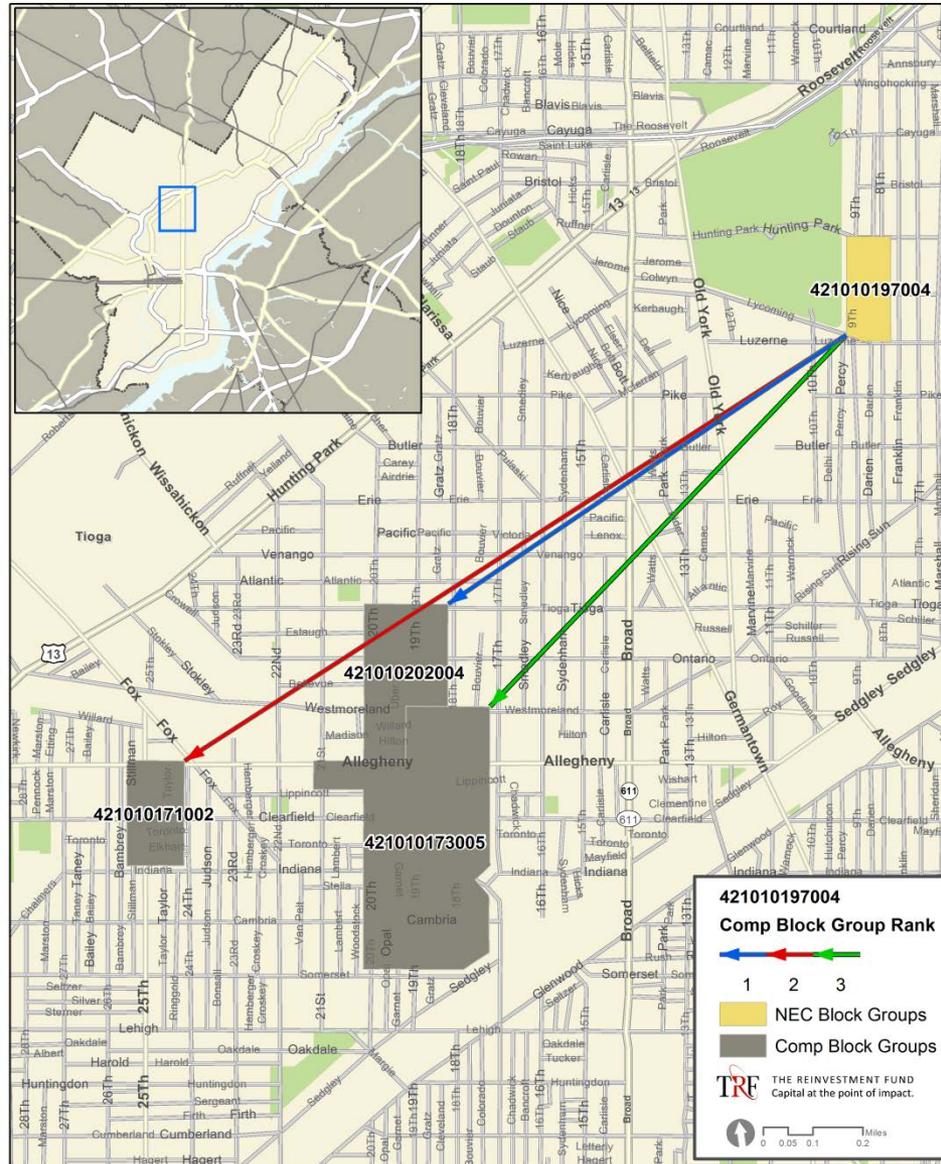
Scoring of NEC Performance Since Intervention

- NECs are compared to their top three comps on:
 - Change in residential real estate market sales price from 2008/2009 to 2011/2012 (Data source: Philadelphia Board of Revision of Taxes database)
 - Change in number of tax delinquent properties per number of housing units from 2008/2009 to 2011/2012 (Data source: Philadelphia Office of Property Assessment database)
- NECs are then graded from “A” to “D” on both comparisons.
 - “A” if NEC ‘beat’ all three comps or all comps for which data were available (if less than 5 arms length sales, comp was not graded)
 - “B” if NEC ‘beat’ all but one comp
 - “C” if NEC ‘beat’ one of three comps
 - “D” if NEC did not ‘beat’ any comps

Identified NECs and Block Groups used as Comps



NEC Example #1: Hunting Park



NEC Example #2: Southwest Philadelphia



NEC Example #3: West Philadelphia



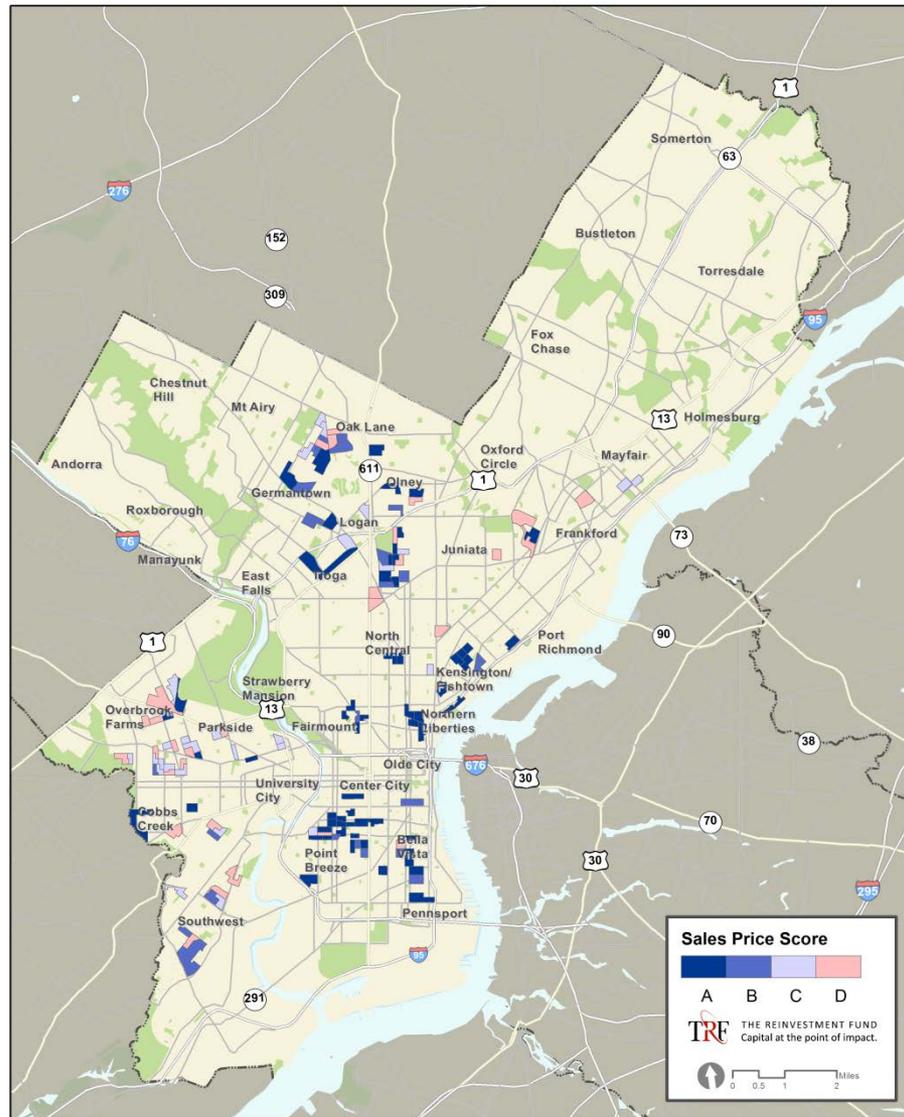
NEC Performance: Change in Sales Price and Tax Delinquency by Group

	Mean Sales Price			Mean Rate of Tax Delinquency		
	2008-2009	2011-2012	Percent Change	2008-2009	2011-2012	Percent Change
NECs	\$72,526	\$95,651	31.9%	36.1%	35.7%	-1.1%
Comps	\$72,239	\$73,411	1.6%	27.0%	28.1%	4.1%

NEC Performance: Residential Sales Price Change

Performance - Sales Price Change			
A	B	C	D
52	27	27	28
38.8%	20.1%	20.1%	20.9%

NEC Performance: Sales Price Change



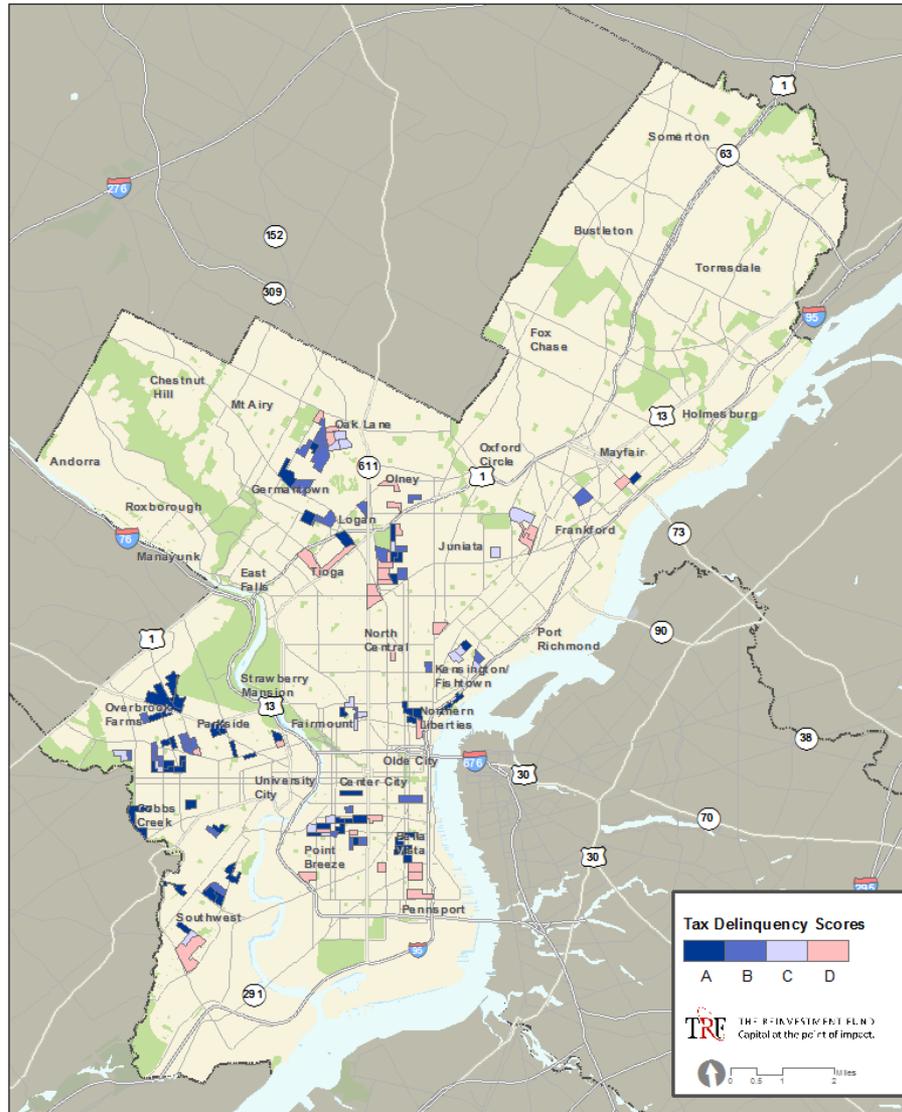
NEC Performance: Change in Sale Price by Percent of Vacant Properties Cited

	Percent of Vacant Properties Cited	Sales Price 2008 - 2009	Sales Price 2011 - 2012	Percent Change in Sales Price
Low	50 – 65%	\$68,404	\$83,986	22.8%
Medium	65 – 80%	\$75,824	\$94,617	24.8%
High	80%+	\$82,749	\$122,550	48.1%

NEC Performance: Change in Tax Delinquency

Performance – Change in Tax Delinquency			
A	B	C	D
53	32	19	30
39.6%	23.9%	14.2%	22.4%

NEC Performance: Tax Delinquency



Effect of Removing Blight on Nearby Properties

TRF recreated an algorithm from Econsult Corporation's 2010 report *Vacant Land Management in Philadelphia* that measures the effect of blight on nearby property sales.

- Using BRT sales data from 2011 – 2012, TRF found that properties that complied with L&I citations created \$74 million in sales value for surrounding properties. This created value resulted in \$2.34 million in increased transfer tax revenue to the City.

L&I estimates that an additional \$1.1 million was returned to the City through permit fees and fines and judgments from Blight Court against owners of blighting properties.

- See: <http://www.econsult.com/projectreports/VacantLandFullReportForWeb.pdf>

Consistent with the Econsult algorithm, the aggregate financial impact of vacant properties was limited to actual sales within 200 feet of the cited and compliant properties.

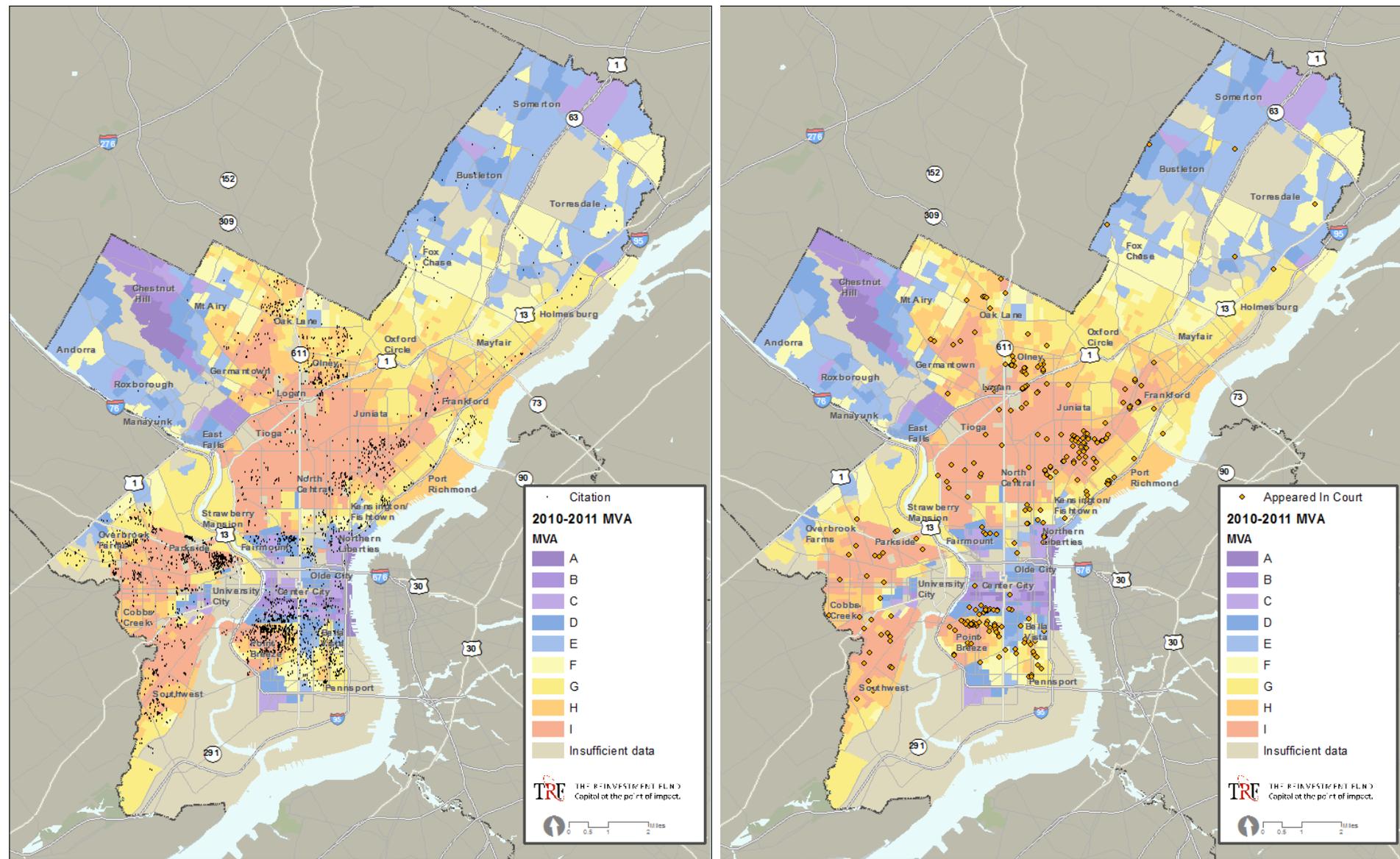


2010/2011 Market Value Analysis (MVA) Characteristics

MVA Market Category	Median Sale Price	Mean Sale Price	Coefficient of Variation	Percent Owner Occupied	Percent Vacant (L & I)	Percent New Construction	Percent Commercial	Foreclosures as a Percent of Sales	Percent Public/Assisted Housing
A	\$ 624,122	\$ 707,042	0.584	39.8%	1.6%	11.5%	5.7%	6.3%	0.0%
B	\$ 435,249	\$ 502,392	0.496	48.8%	0.7%	7.0%	7.3%	5.9%	0.0%
C	\$ 325,897	\$ 354,545	0.462	49.3%	1.4%	9.7%	6.6%	9.0%	0.8%
D	\$ 245,930	\$ 267,304	0.497	51.2%	2.1%	6.5%	5.9%	17.7%	2.1%
E	\$ 194,459	\$ 196,960	0.387	63.9%	1.0%	2.8%	3.3%	24.1%	0.5%
F	\$ 148,066	\$ 148,958	0.393	66.4%	1.6%	1.9%	4.0%	33.5%	0.4%
G	\$ 97,860	\$ 100,361	0.480	62.4%	2.7%	1.5%	3.9%	38.4%	3.8%
H	\$ 51,190	\$ 64,001	0.657	61.4%	4.2%	0.6%	3.9%	45.9%	2.3%
I	\$ 19,649	\$ 31,094	0.935	48.1%	8.1%	1.1%	5.1%	33.5%	10.3%

TRF's MVA is a widely used analytic strategy to assess an area's (e.g., city, region) real estate market. It characterizes the market based on a set of objective, rigorously analyzed market-based indicators summarized for Census block groups. Cities around the US are using the MVA to inform strategies to invest public and philanthropic dollars and to target local governmental activities.

Enforcement Activity by MVA Category



NEC Performance: Sales Price Change By MVA Market Category

MVA 2011 Market Category	Beat All	Percentage Beat All	Beat at least One	Percentage Beat at Least One	Total
Regional Choice A	1	100.0%	1	100.0%	1
High Value C	4	80.0%	5	100.0%	5
Steady 1 D	9	90.0%	10	100.0%	10
Steady 2 E	2	100.0%	2	100.0%	2
Transitional F	2	50.0%	3	75.0%	4
Transitional G	5	26.3%	15	79.0%	19
Distressed H	12	48.0%	20	80.0%	25
Distressed I	17	25.0%	50	73.5%	68
Totals	52	38.8%	106	79.1%	134

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