Georgia State University Law Review

Volume 22 Article 10 Issue 4 Summer 2006

6-1-2006

Affordable Housing and Redevelopment: Quantifying Affordable Housing Need and Responses in New York City

Robert W. Burchell

William R. Dolphin

Chaolun Zhu

Follow this and additional works at: https://readingroom.law.gsu.edu/gsulr



Part of the Law Commons

Recommended Citation

Robert W. Burchell, William R. Dolphin & Chaolun Zhu, Affordable Housing and Redevelopment: Quantifying Affordable Housing Need and Responses in New York City, 22 GA. St. U. L. Rev. (2006).

Available at: https://readingroom.law.gsu.edu/gsulr/vol22/iss4/10

This Article is brought to you for free and open access by the Publications at Reading Room. It has been accepted for inclusion in Georgia State University Law Review by an authorized editor of Reading Room. For more information, please contact mbutler@gsu.edu.

AFFORDABLE HOUSING AND REDEVELOPMENT: QUANTIFYING AFFORDABLE HOUSING NEED AND RESPONSES IN NEW YORK CITY

Robert W. Burchell, Ph.D.* William R. Dolphin, M.A. Chaolun Zhu, M.C.R.P.

INTRODUCTION: THE CONTEXT FOR AFFORDABLE HOUSING—DEFINITIONS AND DEMOGRAPHICS

The purpose of this Article is to define what constitutes affordable housing and then to quantify affordable housing need in New York City's five boroughs and their subareas. Subareas are the 60 community districts of New York City—areas of 100,000 to 150,000 in population, ranging from 5 in number in Staten Island to 18 in number in Brooklyn. This Article will involve a discussion of (1) the income group that needs affordable housing in New York City; (2) the various categories of affordable housing need in the city; (3) where and how the definitions of multiple types of need originate; (4) the mitigation of affordable need in New York City, including applicable funding sources; and (5) the share of affordable housing need that mitigation addresses. The first portion of the Article will quantify affordable housing need related to (1) income-qualified households who cannot afford their housing (cost-burdened need); (2) income-qualified households who are living in crowded or deteriorated housing (rehabilitation need); and (3) income-qualified households who will grow in the future, but for whom the market will not provide (new construction need). This Article will then discuss how these components of need compare in each of New York City's

^{*} The authors are faculty and staff of the Center for Urban Policy Research at the Edward J. Bloustein School of Planning and Public Policy, Rutgers, The State University of New Jersey.

¹ This paper is part of a larger study undertaken for the Steven L. Newman Real Estate Institute at Baruch College, City University of New York (CUNY). The New York City Office of the Public Advocate funded the study, entitled The STEVEN L. NEWMAN REAL ESTATE INSTITUTE, REPORT TO THE NEW YORK CITY PUBLIC ADVOCATE: AFFORDABLE HOUSING IN NEW YORK CITY (2005), available at http://pubadvocate.nyc.gov/policy/documents/TheContextofAffordableHousinginNewYorkCity_000.pdf

five boroughs and within the city's community districts. The remaining portion of the paper will discuss the responses to or mitigation of affordable housing need within the same need categories specified above, as well as the affordable housing need that remains unfilled as a result of constrained mitigation resources.

I. INCOME GROUPS REQUIRING HOUSING ASSISTANCE IN NEW YORK CITY

The accepted standards for very low-, low-, and moderate-income households are those whose household income falls between 0 and 135% of median family income calculated for a six-county Primary Metropolitan Statistical Area (PMSA) that includes the five boroughs of New York City (The Bronx, Brooklyn, Manhattan, Queens, and Staten Island) and Westchester County.² Each of the five boroughs is simultaneously designated as a county in this definition of region. Regional median family income was slightly over \$62,000 for a household size of four in 1999.³

Very Low Income (<50%) = Below \$31,800 Low Income (50%-80%) = \$31,800 to \$49,600 Moderate Income (80%-135%) = \$49,600 to \$83,700

Each of these levels is adjusted upward by about 8% for household size increases of one and downward by about 10% for household size decreases of one.⁴ Overall, in New York City in 2004, there were approximately 2.1 million very low-, low-, and moderate-income households out of about 3.1 million total households. Two-thirds of

2

² This is the New York City Primary Metropolitan Statistical Area (PMSA). The definition of 135% of median family income and below as requiring affordable housing is a mutually agreed upon figure reflecting the affordable housing practices of the New York City Department of Housing, Preservation and Development (HPD) and the local advisory group on housing in New York City, the Citizens Housing and Planning Council (CHPC).

³ U.S. CENSUS BUREAU, CENSUS 2000 (2000).

⁴ For the details of qualifying households of various sizes by the U.S. Department of Housing and Urban Development (HUD) Section 8 income qualification standards in New Jersey, see N.J. ADMIN. CODE § 5:94 (2006) (entitled Substantive Rules of the New Jersey Council on Affordable Housing for the Period Beginning December 20, 2004); 36 N.J. Reg. 5748(a) (Dec. 20, 2004).

New York City households fall at or below 135% of median family income.

The definitions of very low and low income are derived from the U.S. Department of Housing and Urban Development (HUD) Section 8 eligibility requirements. The definition of moderate income comes from accepted New York City housing practice, which defines a group above 80% of median income (80%-135%) that may also require housing assistance.

In terms of income requirements for the analyses that follow, those households between 0 and 135% of median family income are deemed to require affordable housing assistance if (1) they spend more than they should for housing, (2) the housing they occupy is overcrowded or deteriorated, and/or (3) this income group will grow in the future and the unassisted housing market will not respond to them directly.

II. DEFINITIONS FOR THE SPECIFIC COMPONENTS OF AFFORDABLE HOUSING NEED

Affordable housing need is defined as comprising three basic components: (1) cost-burdened need (those who pay too much), (2) rehabilitation need (those who live in deteriorated or overcrowded housing), and (3) future need (those future households for whom the market will not provide).⁵

A. Cost-Burdened Need

New York City views households as cost-burdened if they are very low-, low-, or moderate-income households who pay more than 35% of their income for rental costs or more than 40% of their income for ownership costs. Average subsidy cost is the difference between actual rent or ownership cost and rent or ownership cost if reduced to

⁵ These three components of affordable housing need are often joined with preservation of the existing stock of affordable housing to constitute a local affordable housing program. See, for instance, the affordable housing numbers generated by the Shimberg Center for Affordable Housing at the University of Florida, http://www.shimberg.ufl.edu/ (last visited Mar. 18, 2006).

35% to 40% of income.⁶ Average subsidy costs multiplied by the number of households, by income group and size configuration of housing unit, are summed by community district, by borough, and for New York City as a whole. Data on income and rent for 1999-2000 are converted to 2004-2005 equivalents using an inflation factor of approximately 15% for income and 24% for housing costs.⁷

Part A—Cost-Burdened Need

Renters >35% Income (Gross Rent)

Owners >40% Income (Ownership)

Income 2004 15% above 1999 Income

Rent/Own Status 2004 24% above 2000 Costs

B. Rehabilitation Need

Housing is deteriorated in New York City if it is occupied by a very low-, low-, or moderate-income household and is (1) older housing with one major deficiency or (2) newer housing with two or more major deficiencies. Older housing is pre-World War II, which the Census defines as housing constructed in 1939 or earlier. Newer housing is housing constructed from 1940 through 2000. The three housing deficiencies used to determine deteriorated housing are (1) lacking complete plumbing; (2) lacking a complete kitchen, or the kitchen is not in the unit; or (3) crowding—1.01 or more persons per room. "Housing rehabilitation costs" are costs to cure these deficiencies where the cost to cure the deficiency is expressed as average expenditure per unit for bathroom and kitchen repairs and for

⁶ There is no national standard for cost burden (housing costs as a percentage of income). The number most frequently used by the real estate industry and many housing advocacy groups is 28-30%. HUD uses 50% and describes it as severe housing cost burden. The New York City Department of Housing, Preservation, and Development (HPD) uses 35% for renters and 40% for owners as indications of cost burden.

⁷ An average of 3% per year (1999-2004) for income and 6% per year (2000-2004) for housing costs.

755

2006] AFFORDABLE HOUSING AND REDEVELOPMENT

internal structure reconfiguration (crowding).⁸ The housing rehabilitation costs are made equal to the dominant size configuration for a housing unit by tenure (either 0-1 or 2+ bedrooms) and adjusted upward or downward for the remaining size configurations. The costs are further expressed in 2004 dollars.⁹

Part B—Rehabilitation Need

Very Low-, Low-, and Moderate-Income Households in Deteriorated Housing

| Qualifying Deficiencies: | Units Built: | | Units With: |
|---------------------------|-----------------|---|------------------|
| Crowding (1.01 +/Room) | 1939 or earlier | | 1 Deficiency |
| Incomplete Plumbing | 1940 or later | | 2+ Deficiencies |
| Incomplete Kitchen/Not in | | = | A Deficient Unit |
| | | | |

Unit

COSTS FROM 2003 AMERICAN HOUSING SURVEY—AMOUNT SPENT IN 2003 (IN 2004 DOLLARS) TO:

| REMODEL A KITCHEN | \$24,200 |
|---------------------|----------|
| CREATE A BATHROOM | \$22,950 |
| OR CREATE A BEDROOM | |
| (STRUCTURAL CHANGE) | \$28,100 |

C. Future Need

Future need in New York City in the five boroughs is determined using New York Statistical Information Systems (NYSIS) projections from 2005 to 2010.¹⁰ Population projections are subjected to headship

Published by Reading Room, 2006

⁸ U.S. Census Bureau & U.S. Dept. of Housing & Urban Dev., 2003 American Housing Survey: American Housing Survey for the United States 2003 (2004).

⁹ Id. The U.S. Census Bureau and HUD fund the American Housing Survey (AHS). It is a 1 in 2000 sample of the existing housing units in the United States. The Census Bureau and HUD attempt to sample the same units every two years during the odd year, from 1973 to 2005. The unique attribute of this Census is that it is a history of what has happened to the same stock of individual housing units over time.

¹⁰ One source of population projections for New York City is the New York Statistical Information System (NYSIS) housed at Cornell University, at http://www.nysis.cornell.edu/ (last visited Mar. 18, 2006).

rates by age cohort (18-24, 25-34, 35-44, 45-54, 55-64, 65-74, and 75+) to derive forthcoming households. Households are matched to housing need by size (0-3 persons or 0-1 bedrooms; 4+ persons or 2+ bedrooms), and representative unit costs by borough are determined using average 1990-2000 ownership costs per unit (owners) and gross rent per unit (renters). These costs are compared to what future households can pay at 35% and 40% of their income for renters and owners, respectively; this difference is multiplied by the number of households projected to grow into the future. This comparison is done by tenure and size configuration of forthcoming units for each community district, borough, and for the city as a whole. About 75% of a projected future household growth of 105,000 will require affordable housing under the aforementioned definition of qualifying household incomes.

Part C—Future Need

NYSIS Projections—2005-2010 ~ 75% of 100,000 Household Growth ~ 3.5% of Existing Stock, 5 Years; 7%, 10 Years

III. AFFORDABLE HOUSING NEED BY COMPONENT AND COMMUNITY DISTRICT IN NEW YORK CITY

A. Cost-Burdened Affordable Housing Need

In New York City in 2005, there were 3.1 million housing units, of which 2.4 million, or 76%, fell below 135% (\$84,100) of median income (\$62,300) (see Table 1, Cols. 2 and 3). These households are located primarily in The Bronx, Brooklyn, and Queens. As a share of total housing units, income-qualified households in these three boroughs range from 88% to 77% (see Table 1, Col. 3 and Figure 1). Of income-qualified households, approximately 1.02 million renters (800,000) and owners (220,000) pay more than 35% or 40%, respectively, of their income for housing. This is about 43% of the income-eligible households in New York City (see Table 1, Col. 4).

The greatest percentage of cost burden is found in Manhattan (45% of income-eligible households), followed by Brooklyn (44%), The Bronx (42%), Queens (41%), and Staten Island (37%).

Within the various boroughs, cost burden is much more uneven. It is most pronounced (50% or above for income-eligible households) in Manhattan in Community Districts 1 and 2 (Tribeca, Noho, Soho, Little Italy), in Community District 6 (Murray Hill, Stuyvesant Town), and in Community District 8 (Lenox Hill, Yorkville, Roosevelt Island) (Table 1, Col. 4). It is also high in Brooklyn in Community District 12 (Borough Park, Ocean Parkway). Conversely, cost-burdened affordable housing need is lower (below 40% of income-eligible households) in Manhattan in Community District 3 (Lower East Side, Chinatown), in Community District 11 (East Harlem), and in Community District 12 (Washington Heights, Inwood) (see Table 1, Col. 4 and Figure 2). In Brooklyn, costburdened affordable housing need is lower in Community District 2 (Brooklyn Heights, Boerum Hill). In Queens, it is lower (below 40% of income-eligible households) in Community District 2 (Sunnyside, Woodside), in Community District 8 (Fresh Meadows, Kew Gardens Hills, Jamaica Hills), in Community District 13 (Laurelton, Queens Village, Glen Oaks), and in Community District 14 (The Rockaways, Broad Channel) (see Table 1, Col. 4). In The Bronx, cost-burdened affordable housing need is high and, in fact, never falls below 40% in any of the community districts. By contrast, in the three community districts in Staten Island (North Island, Mid Island, South Island), cost-burdened affordable housing need is relatively low and never exceeds 38% of income-qualified households. Thus, cost burden is most severe in Manhattan and Brooklyn community districts and least severe in Staten Island and Queens community districts. There are also community districts in Manhattan where cost-burdened households, as a share of income-eligible households, are less of a problem—Community District 3 (Lower East Side, Chinatown), Community District 11 (East Harlem), and Community District 12 (Washington Heights, Inwood).

The numerical scale of the cost-burdened population also bears mentioning. The cost-burdened population is eight times higher in Brooklyn (330,000 households) than it is in Staten Island (42,500 households) due to their differences in overall income-qualified households. Brooklyn (745,000 households) has 6.5 times the income-qualified households of Staten Island (115,000 households) and lower median household incomes (\$36,700 annual median income versus \$61,000 in Staten Island) (see Table 1, Col. 4).

In addition, again in terms of the scale of cost burden, Queens is second in overall magnitude with 258,000 cost-burdened households; Manhattan is third with 214,000 cost-burdened households; The Bronx is fourth with 177,000 cost-burdened households; and Staten Island is fifth with 42,500 cost-burdened households (see Table 1, Col. 4).

With regard to large concentrations of cost-burdened households in community districts, i.e., more than 25,000 cost-burdened households per district, the following locations are notable (see Table 1, Col. 4). More than 25,000 cost-burdened households are found in Manhattan in Community District 7 (Lincoln Square, Upper West Side), in Community District 8 (Lenox Hill, Yorkville, Roosevelt Island), and in Community District 12 (Washington Heights, Inwood). Costburdened households in significant numbers are also found in Brooklyn in Community District 11 (Bensonhurst, Bath Beach, Gravesend) and in Queens in Community District 1 (Astoria, Long Island City), in Community District 7 (Flushing, Whitestone, College Point), and in Community District 12 (Jamaica, South Jamaica, Hollis) (see Table 1, Col. 4). The only other concentration of cost burden in community districts approaching 25,000 households is found in The Bronx in Community District 9 (Soundview, Castle Hill, Parkchester).

759

2006]

AFFORDABLE HOUSING AND REDEVELOPMENT

| | Cost- | Cost-Burdened, Rehabilitation, and Future Affordable Housing Need New York City 2005, 2005-2010 | Rehabilit | ation, a ork City | chabilitation, and Future Afford New York City 2005, 2005-2010 | e Afforc 305-2010 | lable Ho | using Nee | D | |
|-----------------|--------|--|------------------|---------------------------------------|---|----------------------|------------|------------|-----------------------|----------------|
| | Col. 1 | Col. 2 | Col. 3 | | Col. 4 | T | Col. 5 | 5 | Col. 6 Future Verv | erv |
| | | | Income | | | | | | Low, Low or | v or |
| | | | Qualified | Ð | Cost-Burdened | lened | Rehab Need | Need | Moderate | te |
| Community | PUMA | Total Units | Units | | Households | splc | Households | splo | Need | |
| District | Area | (2005) | (2005) | | (2005) | | (2005) | 5) | (2005-2010) | 10) |
| Manhattan | | # | # ± | % | # | % | # | % | # | % |
| 182 | | | 32,930 | (48) | 17,393 | (53) | 2,503 | 8 | 932 | 3 |
| · · · | | | 59,533 | (84) | 22,514 | (38) | 6,701 | (11) | 1,884 | ල |
| 4&5 | | | 42,244 | (88) | 19,958 | (47) | 3,179 | (8) | 1,152 | 3 |
| • | 93808 | | 42,165 | (47) | 22,033 | (52) | 1,869 | 4 | 1,372 | ල |
| • - | | | 55,658 | (20) | 25,387 | (46) | 4,124 | 6 | 2,055 | 4 |
| ~ | | | 54,064 | (43) | 29,100 | (54) | 1,347 | (5) | 1,318 | 6 |
| • | | | 39,292 | (82) | 16,686 | (42) | 3,586 | 6 | 1,0% | 3 |
| 01 | | 48,728 | 44,426 | (6) | 19,097 | (43) | 2,433 | (5) | 1,321 | ල |
| | 3804 | | 39,583 | 8 | 15,184 | (38) | 2,425 | 9 | 1,486 | (7 |
| 1, | 2 3801 | 77,450 | 68,583 | (88) | 26,513 | (38) | 9,324 | (14) | 1,952 | ල |
| Manhattan Total | | 758,000 | 478,478 | (63) | 213,865 | (45) | 37,491 | (8) | 14,568 | 3 |
| Brooklyn | | | | | | | | | | |
| | 1 4001 | | 46,035 | (68) | 18,355 | (\$ | 4,643 | (10) | 786 | 3 |
| • • | 4004 | 49,818 | 34,896 | 9 | 13,728 | (39) | 2,027 | 9) | 515 | Ξ |
| *** | 3 4003 | | 40,487 | (65) | 19,056 | (47) | 2,585 | 9 | 629 | 3 |
| 7 | 4 4002 | | 34,435 | (65) | 16,148 | (47) | 3,913 | (II) | 570 | (5) |
| ~1 ' | 5 4008 | | 43,323 | (6) (6) | 19,805 | (| 2,909 | 6 | 1,020 | 3 |
| - (| 5 4005 | | 30,298 | (62) | 13,066 | £ (£ | 1,934 | 9 | <u>8</u> | €; |
| - • | 4006 | 43,162 | 38,707 40,827 | (((((((((((((((((((| 12,630 | (4 1) | 2,1,6 | (E) (S) | 7/4 | €6 |
| | 4011 | | 37.627 | £ | 16.923 | (4 5) | 3.14 | € | 816 | 96 |
| 10 | | 52,430 | 38,082 | 3 | 15,511 | <u></u> | 2,487 | 9 | 395 | Ξ |
| 1. | | | 53,836 | (83) | 25,167 | (47) | 4,367 | 8) | 791 | Ξ |
| 12 | | | 42,472 | (84) | 21,044 | (20) | 4,937 | (12) | 781 | € |
| = | | | 41,724 | (88) | 18,485 | <u>4</u> | 2,361 | 9 | 865 | 3 |
| 77 | 4 4015 | 58,310 | 48,578 | (83) | 20,307 | (42) | 5,695 | (12) | <i>LL</i> 9 | Ξ |
| ï | 5 4016 | | 44,524 | E) | 18,782 | (42) | 2,887 | 9 | 639 | Ξ |

GEORGIA STATE UNIVERSITY LAW REVIEW

[Vol. 22:751

| | | Cost-E | surdened, | Rehabilitati New Yorl | 12 00, 21 c City | habilitation, and Future Afford New York City 2005, 2005-2010 | Afford 5-2010 | Lable 1 Cost-Burdened, Rehabilitation, and Future Affordable Housing Need New York City 2005, 2005-2010 | g Need | T | |
|----------------|------------|--------|-------------|--------------------------|------------------------|--|------------------|---|--------------|-----------------------|-----------------|
| | O | Col. 1 | Col. 2 | Col. 3 | | Col. 4 | | Col. 5 | | Col. 6 Future Very | |
| | | | | Income- | | | | | | Low, Low or | |
| | | | | Qualified | | Cost-Burdened | न्न | Rehab Need | | Moderate | |
| Community | PU | PUMA . | Total Units | Units | | Households | • | Households | | Need | |
| District | Area | 83 | (2005) | (2005) | | (2005) | | (2005) | | (2005-2010) | |
| | 91 | 4007 | 38,975 | 36,682 | (94) | 17,690 | (48) | 1,528 | 4 | 602 | 3 |
| | 17 | 4010 | 50,523 | 43,138 | (85) | 20,125 | (47) | 3,285 | ® | 920 | 3 |
| | 8 | 4009 | 66,836 | 49,274 | (74) | 22,054 | (45) | 1,216 | (5) | 707 | $\widehat{\Xi}$ |
| Brooklyn Total | *** | | 901,803 | 744,945 | (83) | 329,201 | <u>\$</u> | 57,663 | 8 | 11,573 | (2) |
| Queens | | | | | | | | | | | |
| | _ | 4101 | 79,733 | 65,074 | (82) | 27,015 | (42) | 4,837 | 6 | 2,731 | € |
| | 7 | 4109 | 91,606 | 41,792 | (81) | 16,125 | (38) | 4,227 | (10) | 1,589 | € |
| | 8 | 4102 | 58,272 | 49,951 | (% | 19,808 | (40) | 4,531 | ව | 2,058 | € |
| | 4 | 4107 | 46,686 | 39,907 | (85) | 17,430 | <u>4</u> | 3,457 | 6 | 1,637 | € |
| | S | 4110 | 65,913 | 52,942 | (80) | 20,988 | § | 2,682 | છ | 2,203 | € |
| | 9 | 4108 | 54,162 | 37,121 | (69) | 15,620 | (42) | 1,333 | <u>4</u> | 1,493 | 4 |
| | 7 | 4103 | 93,997 | 70,889 | (75) | 28,977 | (41) | 3,346 | જ | 2,921 | 2 |
| | 0 0 | 4106 | 56,920 | 40,415 | Ē | 14,668 | . (36) | 1,242 | ල | 1,672 | € |
| | 0 | 4111 | 48,235 | 38,708 | (80 | 17,435 | (45) | 3,191 | ® | 1,446 | € |
| | 10 | 4113 | 42,235 | 32,508 | E | 13,513 | (42) | 2,105 | 9 | 1,369 | € |
| | 11 | 4104 | 46,473 | 29,150 | (63) | 11,753 | (40) | 330 | Ξ | 1,167 | € |
| | 12 | 4112 | 72,811 | 60,229 | (83) | 25,653 | (43) | 2,484 | 5 | 2,900 | છ |
| | 13 | 4105 | 64,640 | 44,306 | (69) | 16,595 | (37) | 1,170 | 3 | 2,096 | જ |
| | 14 | 4114 | 37,841 | 31,627 | (84) | 12,341 | (3) | 1,039 | 3 | 1,288 | € |
| Queens Total | | | 819,524 | 634,619 | 9 | 257,921 | (41) | 36,034 | 9 | 26,570 | € |
| Bronx | | | | | | | | | | | |
| • | 1&2 | 3710 | 43,563 | 41,559 | (95) | 16,871 | (41) | 2,982 | 6 | 1,821 | € |
| c | 3&6 | 3705 | 48,039 | 45,915 | 8 | 20,927 | (46) | 2,565 | 9 | 2,011 | ₹ |
| | 4 | 3708 | 44,268 | 41,962 | (66) | 18,335 | <u>4</u> | 4,927 | (12) | 1,702 | € |
| | S | 3707 | 44,548 | 42,251 | (98) | 19,865 | (47) | 4,977 | (12) | 1,754 | € |
| | 7 | 3706 | 44,936 | 41,123 | (92) | 18,005 | 2 | 5,353 | (13) | 1,576 | € |
| | ∞ | 3701 | 43,956 | 32,566 | (4 | 12,498 | (38) | 2,124 | 6 | 1,199 | € |
| | σ | 3709 | 64,615 | 58,177 | 8 | 24,158 | (42) | 3,449 | (9) | 2,512 | _ € |

Cost-Burdened, Rehabilitation, and Future Affordable Housing Need New York City 2005, 2005-2010 Table

| | | | | TOT MONT | | IVEN I OI IN CITY FOOD, FOOD-FOIL | | • | | | |
|---------------|--------|-----------|------------------|--|------------|-----------------------------------|----------------|---|-----------|------------------|--------------|
| | Col. 1 | - 1 | Col. 2 | Col. 3 | | Col. 4 | | Col. 5 | | Col. 6 | |
| | | | | | | | | | | Future Very | |
| | | | | Income- | | | | | | Low, Low or | |
| | | | | Qualified | | Cost-Burdened | ned | Rehab Need | | Moderate | |
| Community | PUMA | | Total Units | Units | | Households | ls | Households | | Næd | |
| District | Area | | (2002) | (2005) | | (2005) | | (2005) | | (2005-2010) | |
| | 01 | 3703 | 47,629 | 36,709 | (L) | 11,711 | (32) | 759 | (2) | 1,498 | € |
| | = | 3704 | 47,814 | 40,103 | (84) | 16,201 | _ € | 2,406 | 9 | 1,651 | € |
| | 12 | 3702 | 50,279 | 41,262 | (83) | 18,773 | (45) | 2,136 | ઈ | 1,752 | € |
| Bronx Total | | | 479,647 | 421,627 | (88) | 177,344 | (42) | 31,678 | ⊛ | 17,476 | (|
| Staten Island | | | | | | | | | | | |
| | - | 3903 | 61,527 | 45,433 | (74) | 16,789 | (37) | 1,311 | 3 | 3,793 | 8 |
| | 7 | 3902 | 50,343 | 33,019 | 99 | 12,632 | (38) | 304 | Ξ | 2,766 | ⊛ |
| | 6 | 3901 | 57,886 | 35,099 | (19) | 13,139 | (37) | 149 | 9 | 2,936 | ⊛ |
| Staten Island | | | | | | | | | | | |
| Total | | | 169,756 | 113,551 | (67) | 42,560 | (37) | 1,764 | 3 | 9,495 | ® |
| City Total | | | 3,128,730 | 2,393,220 | (92) | 1,020,891 | (43) | (43) 164,630 | 6 | 79,682 | 3 |
| Notes: | | | | | | | | | | | |
| Col. 1 | | U.S. C | Census geograf | phic areas encompass | sing at le | east 100,000 in p | opulation | Census geographic areas encompassing at least 100,000 in population and established to coincide with community district | incide w | ith community di | strict |
| | | location | oms | | | | | | | | |
| Col. 2 | | Total hou | housing units i | housing units in New York City by community district and borough | / comm | mity district and | borough | | | | |
| Col. 3 | | Numb | er of housing | units of total housing | g units tl | hat are occupied | by househ | Number of housing units of total housing units that are occupied by households whose income falls below 135% of income | alls belo | w 135% of incom | 63 |
| Col. 4 | | Numb | er of units of i | income-qualified uni | ts that b | ay more than 359 | % of incor | Number of units of income-qualified units that pay more than 35% of income for rental housing, or 40% of income for ownership | , or 40% | of income for ow | nershi |
| | | | | | | | | | | | |

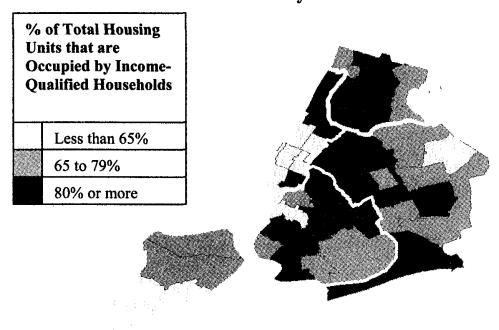
Number of units of income-qualified units that are deteriorated according to the criteria of this report Projected income-qualified households (<135%) for the period 2005-2010 Col. 5 Col. 6

housing

Source: U.S. CENSUS BUREAU, 2000 CENSUS OF POPULATION AND HOUSING: PUBLIC USE MICRODATA SAMPLE (2003).

GEORGIA STATE UNIVERSITY LAW REVIEW

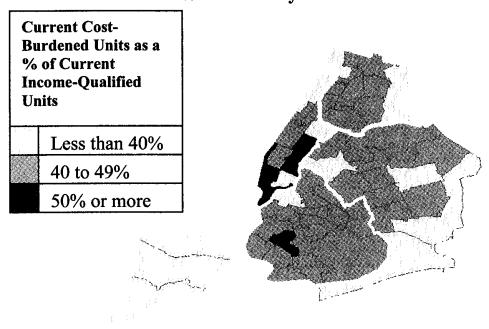
Figure 1 Significant Locations of Income-Qualified Units as a Percentage of All Units New York City 2005



Note: Visual depiction of location of community districts (in boroughs) with high and low percentages of income-qualified households (<135%) occupying housing units. Source of data is Table 1, Col. 3.

Source: U.S. Census Bureau, 2000 Census of Population and Housing: Five-Percent Public Use Microdata Sample (2003) (updated to 2005).

Figure 2
Significant Locations of Cost-Burdened
Affordable Housing Need
New York City 2005



Note Visual depiction of location of community districts (in boroughs) with high and low percentages of income-qualified households (<135%) that are cost-burdened (pay more than 35% [renters] or 40% [owners] of annual income for housing).

Source: U.S. Census Bureau, 2000 Census of Population and Housing: Five-Percent Public Use Microdata Sample (2003) (updated to 2005).

In sum, in 2005, cost burden affected New York City residents (except for those living in Staten Island) relatively evenly in terms of share of the population at 41% to 45% of those who are income-eligible (below 135% of regional median family income, or below \$84,100). In Staten Island, 37% of those who are income eligible are cost-burdened. Thus, the cost of the local housing stock is a somewhat compensating effect for the significant differences found between median incomes in Manhattan (\$52,500+) and median incomes in Brooklyn (\$36,700). Median housing cost in Manhattan (in 2004 dollars) is \$1,035 per month to occupy housing; median housing cost in Brooklyn is \$872 per month to occupy housing.

B. Rehabilitation Affordable Housing Need

There were approximately 165,000 deteriorated housing units occupied by income-qualified households in 2005 (see Table 1, Col. 5). These are units that lack a complete bathroom, lack a complete kitchen or do not have exclusive use of a kitchen, or are overcrowded. These characteristics are paired with the age of a housing unit such that if the unit is older (pre-1940), only one of the above characteristics need apply to designate the unit as deteriorated; if the unit is newer (1940 to 2000), two characteristics must be evident to signal a deteriorated unit. Ninety percent (149,000) of the 165,000 units are older and, for the most part, are restorable through rehabilitation. Most (84%) of the older units are overcrowded. Crowding is not overly severe at about 1.5 persons per room. For example, a four-room unit would have six rather than four occupants. Of the 16,000 deteriorated new units (1940 or newer), most (51%) have both kitchen and bathroom deficiencies in that they lack the components.

On average, in New York City, 7% of the housing stock occupied by income-qualified households is deteriorated. This ranges from a high of 8% in Manhattan, Brooklyn, and The Bronx to a low of 2% in Staten Island. Six percent (6%) of the housing stock occupied by income-eligible households in Queens is deteriorated (see Table 1, Col. 5).

Locations of significant housing deterioration below the borough level (where 10% or more of the housing stock is deteriorated) are found in Manhattan in Community District 3 (Lower East Side, Chinatown) and in Community District 12 (Washington Heights, Inwood) (see Table 1, Col. 5 and Figure 3). In Brooklyn, significant housing deterioration is found in Community District 1 (Greenpoint, Williamsburg), in Community District 4 (Bushwick), in Community District 7 (Sunset Park, Windsor Terrace), in Community District 12 (Borough Park, Ocean Parkway), and in Community District 14 (Flatbush, Midwood). In Queens, Community District 2 (Sunnyside, Woodside) is the only location of significant housing deterioration are found in Community District 4 (Highbridge, Concourse), in Community

District 5 (Morris Heights, University Heights), and in Community District 7 (Kingsbridge Heights, Bedford Park, Fordham) (see Table 1, Col. 5). In Staten Island, there are no locations of significant housing deterioration.

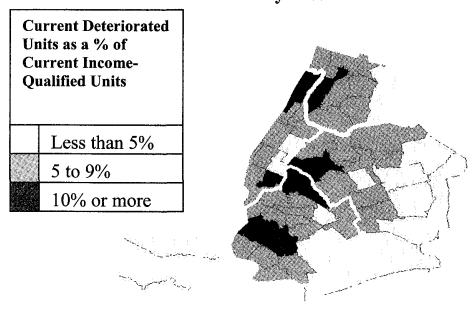
At the other end of the spectrum, locations of relatively low housing deterioration (less than 5% of the housing stock occupied by income-qualified households) are found in Manhattan in Community District 6 (Murray Hill, Stuyvesant Town) and in Community District 8 (Upper East Side, Yorkville, Roosevelt Island) (see Figure 3). Other locations of lower housing deterioration are found in Brooklyn in Community District 16 (Ocean Hill, Brownsville) and in Community District 18 (Canarsie, Marine Park, Mill Basin), and in Queens in Community District 6 (Rego Park, Forest Hills), in Community District 8 (Fresh Meadows, Kew Gardens), in Community District 11 (Bayside, Douglaston, Little Neck), in Community District 12 (Jamaica, South Jamaica, Hollis), in Community District 13 (Laurelton, Queens Village, Glen Oaks), and in Community District 14 (The Rockaways, Broad Channel).

In The Bronx, the only location of relatively low housing deterioration is in Community District 10 (Throgs Neck, Co-op City, City Island). In Staten Island, all community districts (North Island, Mid Island, South Island) have relatively low housing deterioration.

The relative numerical scale of housing deterioration for units occupied by income-eligible households also bears inquiry. Housing deterioration in Manhattan, Queens, and The Bronx amounts to 32,000 to 37,500 units in each borough. In Brooklyn, housing deterioration is approaching 58,000 units, while in Staten Island it is fewer than 2,000 units. Large numerical concentrations of deteriorated units (more than 5,000 units) are found in Manhattan in Community District 3 (Lower East Side, Chinatown) and in Community District 12 (Washington Heights, Inwood); in Brooklyn in Community District 7 (Sunset Park, Windsor Terrace) and in Community District 14 (Flatbush, Midwood); and in The Bronx in Community District 7 (Kingsbridge Heights, Bedford Park, Fordham). Concentrations of deteriorated units of more than 5,000

are not found in community districts in either Queens or Staten Island (see Table 1, Col. 5).

Figure 3
Significant Locations of Rehabilitation
Affordable Housing Need
New York City 2005

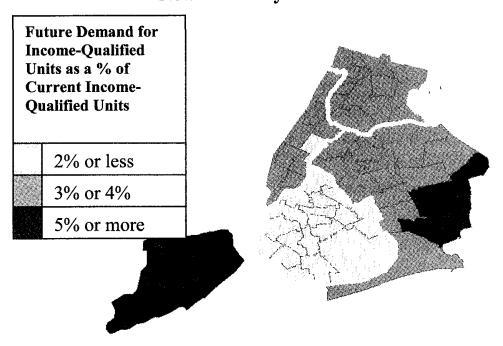


Note Visual depiction of location of community districts (in boroughs) with high and low percentages of income-qualified households (<135%) that live in deteriorated housing (have one housing deficiency if 1939 or older or have two housing deficiencies if 1940 or newer) Source of data is Table 1, Col 5.

Source: U.S. CENSUS BUREAU, 2000 CENSUS OF POPULATION AND HOUSING: FIVE-PERCENT PUBLIC USE MICRODATA SAMPLE (2003) (updated to 2005).

2006]

Figure 4
Significant Locations of New Construction
Affordable Housing Need
New York City 2005-2010



Note Visual depiction of location of community districts (in boroughs) with high and low percentages of income-qualified households (<135%) that will be produced from 2005-2010 and that will not have affordable housing available to them. Source of data is Table 1, Col. 6.

Source: NEW YORK STATISTICAL INFORMATION SYSTEM (NYSIS), PROJECTIONS 2005-2010, available at http://www.nysis cornell.edu/data html (last updated Nov. 19, 2002); U S CENSUS BUREAU, 2000 CENSUS OF POPULATION AND HOUSING: FIVE-PERCENT PUBLIC USE MICRODATA SAMPLE (2003) (updated to 2005)

In sum, rehabilitation affordable housing need is distributed relatively evenly in select locations of each of the boroughs except Staten Island. Staten Island's percentage distribution of the stock occupied by income-qualified households is one-quarter to one-third of that of the other boroughs.

C. New Construction Affordable Housing Need

Between 2005 and 2010, New York City will expand its number of households by 105,200. This will comprise 79,700 low- and moderate-income households (below 135% of median income) (see Table 1, Col. 6) and 25,500 middle- and upper-income households. If future (2005-2010) New York City affordable housing need reflects

the past (1990-2000), this growth will be met by about 115,000 new housing units, almost all of which will be directed to middle- and upper-income households. Predictably, the new construction market is building to the middle- and upper- income levels of the housing market at a rate of four times what is needed and not building to the very low- and low-income levels. This leaves significant numbers of future low- and moderate-income housing demand unsatisfied in all parts of the city. This situation cries out for an inclusionary component related to market housing as well as a large, new housing program targeted to the lower middle-income sector of the population.

New construction affordable housing demand for the period of 2005 to 2010 (approximately 80,000 units total) will be highest in Queens (26,600 units), second in The Bronx (17,500 units), third in Manhattan (14,600 units), fourth in Brooklyn (11,600 units), and fifth in Staten Island (9,500 units) (see Table 1, Col. 6). As a percentage of the current 2005 housing stock occupied by income-eligible households, future affordable housing need has a pattern somewhat different from absolute need. It is highest in Staten Island (8% of the existing stock), in the middle in Queens and The Bronx (4% of the existing stock), and lowest in Manhattan and Brooklyn (3% and 2% of the existing stock, respectively) (see Table 1). Thus, Staten Island is often immune from affordable housing need due to its relatively high household incomes, and its sound housing stock, which is two and one-half times the New York City average in terms of percentage of future affordable housing need of the existing income-eligible stock. In terms of absolute numbers, Queens has one-third of the future affordable housing need (see Table 1, Col. 6).

Below the borough level, significant locations of future affordable housing need (5% or more of the income-eligible stock) are found in Queens in Community District 12 (Jamaica, South Jamaica, Hollis) and in Community District 13 (Laurelton, Queens Village, Cambria Heights), and in all three of Staten Island's Community Districts (North Island, Mid Island, South Island) (see Table 1, Col. 6 and Figure 4). Low relative levels of affordable housing need (2% or below of the stock) are found in Manhattan in Community District 8

(Upper East Side, Yorkville, Roosevelt Island) and in all of Brooklyn's 18 community districts.

Significant absolute concentrations of future affordable housing need (above 2,000 units for the period 2005-2010) are found in Manhattan's Community District 7 (Lincoln Square, Upper West Side); Queens's Community District 1 (Astoria, Long Island City), Community District 3 (Jackson Heights, East Elmhurst, North Corona), Community District 5 (Maspeth, Middle Village, Glendale), Community District 7 (Flushing, Whitestone, College Point), Community District 12 (Jamaica, South Jamaica, Hollis), and Community District 13 (Laurelton, Cambria Heights, Glen Oaks); The Bronx's Community Districts 3 and 6 (Melrose, Claremont, Crotons Park East; East Tremont, Belmont, West Farms), and Community District 9 (Soundview, Castle Hill, Parkchester); and in all three of Staten Island's community districts (North Island, Mid Island, South Island) (see Table 1, Col. 6).

In sum, more new construction affordable housing need is required in Queens and in The Bronx and less so in Manhattan, Brooklyn, and Staten Island. As a share of existing income-qualified units, Staten Island has significant (two to three times the other boroughs') relative new construction affordable housing need.

IV. AFFORDABLE HOUSING RESPONSES BY COMPONENT AND COMMUNITY DISTRICT IN NEW YORK CITY

A. Cost-Burdened Affordable Housing Need

Cost-burdened affordable housing need is related to the amount of real estate market pressure in an area. It is a function of the amount of real estate transfer in a particular geographic location, which drives up prices in that area. The most closely related source of revenue to real estate transfers in New York City is the Real Property Transfer Tax.¹¹ The Real Property Transfer Tax applies to conveyances of

20061

The operations and applications of the New York City Real Property Transfer Tax may be found at the City of New York Department of Finance's Web site, http://www.nyc.gov/html/dof/html/property/property_rec_rptt.shtml (last visited Mar. 18, 2006).

770

residential real estate including shares of a cooperative. The Real Estate Property Transfer Tax Rate is as follows:

Real Property Transfer Tax Fees

| Owner of Rental Properties | Value (Minus Outstanding Mortgages) | Rate |
|---------------------------------------|-------------------------------------|--------|
| 1 - 3 family house cooperative unit | < \$500,000 | 1.000% |
| condominium unit 4 + family residence | > \$500,000 | 1.425% |

This Article assumes that increased New York City Real Property Transfer Tax revenues (20%) are available to provide a write-down on cost-burdened rental units. The revenue would come from all residential real estate transfers, both owned and rented units, but it would be applied only against those living in cost-burdened units of rental tenure. To estimate the effects of such a program, the revenue calculation proceeds as follows. The number of units at 30% of median rent or below are subtracted from the number of existing units in each of the five boroughs, encompassing about 60 community districts. The subtracted units are assumed to be mostly subsidized or in structures likely not to be transferred. In addition, 25% of the remaining rental units are randomly removed from transfer considerations because they are in structures that probably would not be transferred because long-term rental income is desired. This produces a number of units citywide (2.45 million) that is about 75% of the total number of units (Table 2, Col. 2).

771

AFFORDABLE HOUSING AND REDEVELOPMENT

| - | | , | | 6 | į | Table 2 | F | \$ * T | | | - | |
|--------------------------------------|----------|---------------------------------|---------------|--|-------------------|------------------------|------------------------------------|---------------------|----------------------|----------------------------|----------------|---------|
| _ | i Suuso | g a roru Col. 1 | Col. 2 | Col. 1 Col. 2 Col. 3 Col. 4 | ty transfer to | ax to rund Col. 5 | Col. 5 Col. 6 Col. 7 Col. 8 Col. 9 | Col. 7 | oruanie no Col. 8 | using ivee Col. 9 | Col. 10 | 20 |
| | | | Number of | (#) 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11. | Value of Annual | Annual Transfer Tax | 20% Increment of | Cost-Burdened Units | | Cost- Burdened Units | Remaining Cost | Juuj |
| ommunty District Ianhattan | | Area | Units | Value of Units (\$) | Unit Lumover (\$) | <u>(4)</u> | Iransier Iax | Kemoved | Cost to Cure | Kemaining | to Cure | |
| | 1&2 | 3810 | 53,873 | 16,373,882,342 | 1,309,910,587 | 15,773,481 | 3,154,696 | 2,243 | 3,154,696 | 15,150 | 205,043,373 | Л |
| | 33 | 3809 | 47,768 | 5,995,974,760 | 479,677,981 | 5,150,847 | 1,030,169 | 1,480 | 1,030,169 | 21,034 | 132,323,632 | TW. T |
| 7 | 4&5 | 3807 | 55,166 | 13,097,762,137 | 1,047,820,971 | 12,108,611 | 2,421,722 | 2,027 | 2,421,722 | 17,931 | 200,475,170 | · () |
| | 9 | 3808 | 71,180 | 17,944,002,260 | 1,435,520,181 | 16,292,908 | 3,258,582 | 2,343 | 3,258,582 | 19,689 | 257,520,545 | (L) |
| | 7 | 3806 | 87,362 | 26,235,215,776 | 2,098,817,262 | 25,498,587 | 5,099,717 | 4,628 | 5,099,717 | 20,759 | 232,961,135 | |
| | ∞ | 3805 | 102,226 | 36,115,050,147 | 2,889,204,012 | 35,783,048 | 7,156,610 | 5,213 | 7,156,610 | 23,887 | 332,847,406 | ر الراس |
| | 6 | 3802 | 33,733 | 4,242,125,657 | 339,370,053 | 3,667,745 | 733,549 | 1,074 | 733,549 | 15,613 | 96,286,269 | |
| | 10 | 3803 | 31,653 | 2,890,590,396 | 231,247,232 | 2,442,856 | 488,571 | 922 | 488,571 | 18,174 | 85,613,834 | ıı |
| | 11 | 3804 | 26,157 | 2,990,393,266 | 239,231,461 | 2,684,395 | 536,879 | 886 | 536,879 | 14,196 | 04,678,670 | , |
| | 12 | 3801 | 56,027 | 5,100,349,563 | 408,027,965 | 4,139,857 | 827,971 | 1,320 | 827,971 | 25,193 | 140,696,191 | 311 |
| fanhattan Total | | | 565,147 | 130,985,346,305 | 10,478,827,704 | 123,542,335 | 24,708,467 | 22,239 | 24,708,467 | 191,625 | 1,753,446,225 | 10 |
| maldoon | | | | | | | | | | | | ALI |
| I CONTAIN | - | 1001 | 20 110 | 4 303 310 842 | 351 464 967 | 3605 415 | 721 083 | 1 043 | 721 083 | 17 313 | 107 364 270 | , |
| | ۰, | 1001 | 36,110 | 4,575,510,042 | 575 604 510 | 5,005,415 | 120,127 | 1,042 | 1 326 957 | 010,71 | 101,504,275 | IX. |
| | 7 (| 4 4 5 5 6 6 7 | 30,982 | 070,70,017, | 576,804,610 | 0,043,787 | 1,528,757 | 1,0,1 | 1,528,157 | 12,038 | 91,380,730 | - II. |
| | . | 4003 | 31,011 | 3,626,295,792 | 292,503,663 | 5,025,994 | 604,/99 | 8// | 604,799 | 18,2/8 | 125,412,163 | 10 T |
| | 4 | 4005 | 26,161 | 2,727,023,289 | 218,161,863 | 2,223,224 | 444,645 | 613 | 44,645 | 15,535 | 99,303,016 | |
| | S | 4008 | 35,455 | 3,891,107,987 | 311,288,639 | 3,135,530 | 627,106 | 792 | 627,106 | 19,013 | 132,761,534 | L |
| | 9 | 4005 | 37,806 | 9,429,515,736 | 754,361,259 | 8,859,616 | 1,771,923 | 1,932 | 1,771,923 | 11,133 | 100,194,812 | ,,, |
| | 7 | 4012 | 35,767 | 4,763,283,528 | 381,062,682 | 3,889,118 | 777,824 | 1,029 | 777,824 | 14,802 | 101,091,204 | V, |
| | ∞ | 4006 | 34,208 | 4,025,824,250 | 322,065,940 | 3,369,059 | 673,812 | 362 | 673,812 | 16,163 | 101,388,949 | 514 |
| | 6 | 4011 | 32,728 | 3,845,504,725 | 307,640,378 | 3,135,001 | 627,000 | 608 | 627,000 | 16,113 | 111,007,094 | • |
| | 10 | 4013 | 42,646 | 7,625,229,950 | 610,018,396 | 6,389,725 | 1,277,945 | 1,611 | 1,277,945 | 13,900 | 103,468,420 | |
| | 11 | 4017 | 53,456 | 8,783,148,170 | 702,651,854 | 7,185,559 | 1,437,112 | 1,593 | 1,437,112 | 23,574 | 191,791,052 | |
| | 12 | 4014 | 40,278 | 7,594,450,793 | 607,556,063 | 6,613,451 | 1,322,690 | 1,481 | 1,322,690 | 19,563 | 158,662,097 | |
| | 13 | 4018 | 34,842 | 3,969,087,658 | 317,527,013 | 3,267,806 | 653,561 | 1,050 | 653,561 | 17,435 | 97,245,900 | |
| | 14 | 4015 | 44,758 | 6,837,663,657 | 547,013,093 | 5,948,904 | 1,189,781 | 1,559 | 1,189,781 | 18,749 | 130,726,011 | ,, |
| | 15 | 4016 | 47,629 | 8,257,543,630 | 660,603,490 | 7,074,203 | 1,414,841 | 1,709 | 1,414,841 | 17,073 | 130,892,335 | . 1 |
| | 16 | 4007 | 25,856 | 2,561,747,891 | 204,939,831 | 2,067,251 | 413,450 | 655 | 413,450 | 17,034 | 94,547,197 | |
| | | | | | | | | | | | | |

2006]

GEORGIA STATE UNIVERSITY LAW REVIEW

772

[Vol. 22:751

| | Col. 10 | Remaining Cost | to Cure 154,844,956 | 191,519,693 | 2,223,807,448 | | 176,169,274 | 111,301,944 | 153,490,955 | 125,010,771 | 144,409,659 | 109,991,195 | 222,543,886 | 103,506,053 | 137,799,984 | 121,036,091 | 110,803,232 | 209,079,253 | 144,899,837 | 75,142,521 | 1,945,184,450 | | 71,634,757 | 101,008,135 | 101,736,908 | 114,019,376 | 105,352,657 | 75,963,193 | 156,380,305 | 73,021,663 |
|--|---------|----------------------------|-----------------------------------|----------------|-----------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|-----------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Ţ | ပိ | Remain | 3 <u>X</u> | 191, | 2,223, | | 176, | 111, | 153, | 125, | 4, | 109, | 222, | 103, | 137, | 121, | 110, | 209, | 1 ; | 7,01 | 1,943, | | 71, | 101, | 101, | 114, | 105, | 75, | 156, | 73, |
| using Nee | Col. 9 | Cost- Burdened Units | Kemaming 19,140 | 20,278 | 307,154 | | 25,191 | 15,013 | 18,678 | 16,509 | 19,192 | 14,184 | 26,229 | 13,073 | 16,373 | 12,435 | 10,272 | 24,205 | 14,885 | 11,302 | 140,741 | | 16,243 | 20,212 | 17,696 | 19,238 | 17,312 | 11,406 | 23,064 | 10,515 |
| ordable Ho | Col. 8 | 0 | Cost to Cure 895,905 | 1,828,280 | 18,010,513 | | 1,408,450 | 909,647 | 1,035,950 | 781,269 | 1,466,165 | 1,200,867 | 2,507,457 | 1,340,226 | 994,064 | 1,145,595 | 1,665,973 | 1,396,222 | 1,775,623 | 751,086 | 18,378,393 | | 314,878 | 407,561 | 418,184 | 424,347 | 477,999 | 788,281 | 836,328 | 886,714 |
| ened Aff | Col. 7 | Cost- Burdened Units | Kemoved 985 | 1,775 | 22,047 | | 1,824 | 1,113 | 1,130 | 921 | 1,795 | 1,436 | 2,748 | 1,596 | 1,063 | 1,078 | 1,482 | 1,448 | 1,710 | 1,039 | 786,07 | | 628 | 716 | 639 | 627 | 692 | 1,092 | 1,094 | 1,196 |
| Cost-Burd | Col. 6 | 20% Increment of | 1 ransfer 1 ax 895,905 | 1,828,280 | 18,010,513 | | 1,408,450 | 909,647 | 1,035,950 | 781,269 | 1,466,165 | 1,200,867 | 2,507,457 | 1,340,226 | 994,064 | 1,145,595 | 1,665,973 | 1,396,222 | 1,775,623 | 751,086 | 18,3/8,393 | | 314,878 | 407,561 | 418,184 | 424,347 | 477,999 | 788,281 | 836,328 | 886,714 |
| Table 2 ax to Fund | Col. 5 | Annual Transfer Tax | (\$) 4.479.525 | 9,141,399 | 90,052,567 | | 7,042,251 | 4,548,235 | 5,179,749 | 3,906,343 | 7,330,827 | 6,004,337 | 12,537,283 | 6,701,128 | 4,970,318 | 5,727,974 | 8,329,865 | 6,981,110 | 8,878,115 | 3,755,428 | 61,892,965 | | 1,574,390 | 2,037,804 | 2,090,918 | 2,121,737 | 2,389,994 | 3,941,406 | 4,181,641 | 4,433,571 |
| ty Transfer T | Col. 4 | Value of Annual | Unit Turnover (\$) 444.059.758 | 893,707,860 | 8,503,431,260 | | 690,395,118 | 448,833,304 | 513,801,467 | 386,573,768 | 725,842,577 | 566,726,274 | 1,205,902,962 | 654,429,080 | 492,518,727 | 562,717,017 | 788,137,308 | 693,107,791 | 879,491,733 | 356,819,618 | 8,965,296,745 | | 157,439,018 | 200,295,188 | 206,428,156 | 212,173,743 | 236,723,966 | 367,807,940 | 411,332,821 | 429,966,608 |
| Table 2 Using a Portion of the Real Property Transfer Tax to Fund Cost-Burdened Affordable Housing Need | Col. 3 | | Value of Units (\$) 5.550.746.980 | 11,171,348,253 | 106,292,890,751 | | 8,629,938,979 | 5,610,416,300 | 6,422,518,341 | 4,832,172,104 | 9,073,032,213 | 7,084,078,422 | 15,073,787,020 | 8,180,363,495 | 6,156,484,085 | 7,033,962,719 | 9,851,716,350 | 8,663,847,387 | 10,993,646,666 | 4,460,245,230 | 112,066,209,310 | | 1,967,987,727 | 2,503,689,849 | 2,580,351,947 | 2,652,171,786 | 2,959,049,577 | 4,597,599,252 | 5,141,660,265 | 5,374,582,602 |
| on of the | Col. 2 | Number of | Units 40.631 | 57,758 | 696,081 | | 59,940 | 41,973 | 47,260 | 36,485 | 54,971 | 45,094 | 80,469 | 48,275 | 39,417 | 38,292 | 42,465 | 61,151 | 60,197 | 28,960 | 684,950 | | 26,005 | 30,048 | 31,829 | 31,106 | 31,976 | 34,196 | 46,695 | 40,129 |
| g a Porti | Col. 1 | _ | Area 4010 | 4009 | | | 4101 | 4109 | 4102 | 4107 | 4110 | 4108 | 4103 | 4106 | 4111 | 4113 | 4104 | 4112 | 4105 | 4114 | | | 3710 | 3705 | 3708 | 3707 | 3706 | 3701 | 3709 | 3703 |
| https://readingroom.law.gsu | ı.edu/g | | Community District | | Brooklyn Total | ne O neens | | ~ | € | . s | \$ | | L . | ∞ | o. | 01 | 2 2 | | | | Queens Total | Bronx | 18:2 | 3&6 | 4 | ٠v | 7 | 8 | 6 | 10 |

Using a Portion of the Real Property Transfer Tax to Fund Cost-Burdened Affordable Housing Need Table 2

| ם. | Col. 10 | | Remaining Cost | | 1 | 148,952,001 | 1,055,423,078 | | 107.875.257 | 95,206,356 | 107,885,292 | 310,966,905 | • | 7,288,828,113 | |
|---|---------|---------|---------------------|---------------------|---------------|---------------|----------------|-------------|---------------|---------------|------------------|---------------------|-----|-----------------|---|
| using ive | Col. 9 | Cost- | Buraened Units | Remaining | 15.168 | 17,759 | 168,613 | | 15,011 | 10,873 | 10,916 | 36,800 | • | 941,733 | |
| oi dable mo | Col. 8 | | | Cost to Cure | 811,052 | 950,740 | 6,316,085 | | 1,359,026 | 1.583.797 | 2,187,926 | 5,130,749 | | 72,544,407 | |
| ובוובת עוו | Col. 7 | Cost- | Durdened [Inits | Removed | 1,034 | 1,013 | 8,731 | | 1,778 | 1,759 | 2,223 | 5,759 | | 79,158 | |
| | Col. 6 | 30% | 20% Increment of | Transfer Tax | 811,052 | 950,740 | 6,316,085 | | 1,359,026 | 1,583,797 | 2,187,926 | 5,130,749 | | 72,544,407 | |
| as to Fund | Col. 5 | 1 թուրդ | Transfer Tax | (\$) | 4,055,262 | 4,753,701 | 31,580,424 | | 6,795,129 | 7,918,984 | 10,939,632 | 25,653,745 | | 362,722,035 | |
| ty and the total cost-duluting Allol dable mousing letter | Col. 4 | | Value of Annual | Unit Turnover (\$) | 403,195,750 | 470,603,584 | 3,095,966,775 | | 666,395,143 | 752,685,010 | 1,037,280,949 | 2,456,361,103 | | 33,499,883,587 | |
| | Col. 3 | | | Value of Units (\$) | 5,039,946,879 | 5,882,544,805 | 38,699,584,689 | | 8,329,939,292 | 9,408,562,630 | 12,966,011,862 | 30,704,513,785 | | 418,748,544,840 | |
| | Col. 2 | | PUMA Number of | Units | 37,284 | 40,115 | 349,383 | | 51,337 | 44,576 | 54,226 | 150,139 | | 2,445,701 | |
| | Col. 1 | | PUMA | Area | 3704 | 3702 | | | 3903 | 3902 | 3901 | | | | |
| • | g Roon | m, 20 | 006 | Community District | 11 | 12 | Bronx Total | in o | in | | . - : | Staton Island Total | За. | Çity Total | • |

'otal housing units in New York City by community district and borough, reduced by those rental units at the lowest end of the distribution U.S. Census geographic areas encompassing at least 100,000 in population and established to coincide with community district locations. Col. 1 Rev

Value of the remaining units priced according to occupant's estimate of value in 2000 (ownership units) or at 100 times monthly contract rent 30% of median rent and below) and by rental units in structures not likely to be sold (25% of the remaining rental units randomly chosen) 773

Fen percent (10%) of the value of the housing stock (in 2004 dollars) that would turn over annually, minus 20% of this value for units that rental units). Value is brought to 2004 dollars using an inflation rate of 6% annually. 2005-2006 5.002

Revenues from the Real Property Transfer Tax applied at a rate of 1% for properties valued at \$500,000 or less (in 2004 dollars) or at 1.425% would contain mortgages (the mortgage portion of value is not taxable). or properties valued at more than \$500,000 (in 2004 dollars)

wenty percent (20%) of the Real Property Transfer Tax revenues dedicated to affordable housing by a 20% increase in this revenue. Col. 6

Cost-burdened units that are no longer cost-burdened because aggregate Real Property Transfer Tax revenues are applied at a one-third share each, at the top, middle, and bottom of the cost-burden distribution. S

The cost in 2004 dollars to achieve the reduction of units stated in Col. 7. Col. 8

Those cost-burdened units that remain because they are outside the funds generated by the Real Property Transfer Tax increase. Col. 9

The annual costs that would be required to render these remaining units affordable. Col. 10

Source: U.S. Census Bureau, 2000 Census of Population and Housing: Public Use Microdata Sample (2003)

These are units likely to be transferred over the next ten years at an average rate of 10% annually. The value associated with these units is then produced by borough and community district (Table 2, Col. 3). This is the actual value of properties reported in the U.S. Census Public Use Microdata Sample (PUMS 2000) provided by owners for ownership property and by renters (monthly contract rent) for rental properties. It is projected to the year 2004 by a 6% annual inflation rate. One hundred times the monthly contract rent is used for the value of rental properties. Because the New York City Real Property Transfer Tax does not tax the value of outstanding mortgages on transfer, 20% of the value of properties is subtracted after 10% of the total value is taken for the annual turnover of properties (Table 2, Col. 4). Thus, close to 245,000 units are projected to turn over annually, yielding Real Property Transfer Tax Revenues of \$363 million (see Table 2, Col. 5). Increasing the Real Property Transfer Tax by 20% for both price levels (<\$500,000 and >\$500,000 minus outstanding mortgage) of housing transferred would yield about \$72.5 million for a fund to address cost-burdened housing in the various community districts (Table 2, Col. 6). This would render relief from cost burden for about 79,000 households, or about 8% of the 1.2 million cost-burdened units (see Table 2, Col. 7). Close to 942,000 units would remain unaddressed because the \$7.3 billion necessary to respond to this additional need would be almost impossible to raise. It should be noted that the only reason that this number of units can be addressed with the \$72.5 million raised through the increased Real Property Transfer Tax is that one-third of the money is spent at the top, middle, and bottom of the cost-burden distribution. This enables an uneven emphasis on low-cost efforts at the top of the distribution to swell the number of cost-burdened households that can be addressed annually.

For the purpose of this exercise, real estate transfer funds are left in the community district where the funds are generated. Obviously, multiple systems of distribution, including a citywide fund, could be devised. This option is discussed in Part IV.D of this Article.

Specific areas of significant cost-burden response (about 2,000 units addressed per community district) are Manhattan's Community

Districts 1 and 2 (Civic Center, Wall Street, Tribeca, Governor's Island, Greenwich Village, Little Italy), Community Districts 4 and 5 (Chelsea, Clinton, Midtown Times Square, Herald Square), Community District 7 (Lincoln Square, Upper West Side), and Community District 8 (Upper East Side, Yorkville, Roosevelt Island); Brooklyn's Community District 2 (Downtown Brooklyn, Brooklyn Heights, Boerum Hill), Community District 6 (Red Hook, Park Slope, Carroll Gardens), Community District 10 (Bay Ridge, Fort Hamilton), Community District 11 (Bensonhurst, Bath Beach, Gravesend), Community District 12 (Borough Park, Ocean Parkway), Community District 14 (Flatbush, Ocean Parkway, Redwood), Community District 15 (Sheepshead Bay, Manhattan Beach, Gravesend), and Community District 18 (Canarsie, Marine Park, Mill Basin) (see Table 2, Col. 7).

Other areas of significant potential cost-burden response are Queens's Community District 1 (Astoria and Long Island City), Community District 5 (Maspeth, Middle Village, Glendale), Community District 7 (Flushing, Whitestone, College Point), and Community District 13 (Laurelton, Cambria Heights, Glen Oaks). All of Staten Island's Community Districts are potentially significant cost-burden response sites (North Island, Mid Island, South Island) (see Table 2, Col. 7).

In sum, the New York City Real Property Transfer Tax (which is between 1% and 1.5% of value depending upon class of property), if increased by 20% annually, would yield subsidies that would allow approximately 80,000 units annually to no longer be cost-burdened. This is only 8% of total cost-burdened affordable housing need and leaves more than one million units still cost-burdened. Nonetheless, this begins to make a dent in addressing cost-burdened housing throughout the city.

B. Rehabilitation Affordable Housing Need

Rehabilitation affordable housing need reflects those households whose income falls below 135% of median family income and who live in deteriorated housing. Deteriorated housing is housing that either lacks a basic component of plumbing, lacks a basic component

of a kitchen or occupants of multiple units must share a kitchen, or there are too many occupants relative to the number of rooms. Further, most of these households do not have the economic means to rehabilitate their units.

There is also a very different group of households living in other neighborhoods or other parts of the same neighborhood that spend considerable amounts of money improving their housing units. The households undertake major kitchen and bath repairs and structural reconfigurations to make the unit more accessible, more efficient, or more up-to-date. This latter group of households maintains its units regularly and in so doing must obtain a building permit. New York City has a schedule of fees to obtain building permits for improvements to residential structures. These are "alterations, additions, or repairs" building permits that have the following fee structure:

Residential Improvement Building Permit Fees

| Dwelling Type | Cost of Permit |
|---------------------|-------------------------------------|
| 1-, 2-, or 3-family | \$100 for first \$5,000 |
| dwelling | \$5.15 per \$1,000 increment above |
| | \$5,000 |
| All other | \$100 for first \$3,000 |
| | \$20 per \$1,000 increment up to |
| | \$5,000 |
| | \$10.30 per \$1,000 increment above |
| | \$5,000 |

Using the above fee structure, it is assumed that, on average, 12% of the owners of the non-immediately-new (pre-1990) housing stock will attempt a major repair or alteration that is 25% of the value of the unit during one year in the next eight years. For affordable

¹² The operations and application of the New York City Residential Improvement Building Permit Fee may be found at the New York City Department of Transportation's Web site, http://www.nyc.gov/html/dot/html/permits/stpermit.html (last visited Mar. 18, 2006).

housing purposes, it is assumed that the above fee structure is increased by 25% to establish a grant pool for building owners whose tenants are income-eligible and who live in units that require repair. A condition for receiving this improvement money might be to permanently dedicate units to serve this income level of tenantry. Using the 1990 housing stock as a base for units that need potential repair (they would now be at least 15 years old) would reduce the stock of units from 3.1 million to just under 3.0 million units.

In addition to using only the nondeteriorated 1990 housing stock as a base, those rental units below 30% of median rent (converted to value) and those ownership units below 30% of median value are also removed. This leaves about 2.8 million units, 12% of which might file annually for a building permit for 25% of the value of the building (Table 3, Col. 2). In essence, this means that in eight years 100% of the nondeteriorated 1990 and earlier housing stock that is 30% or above median value would apply for a building permit for 25% of the value of the unit or building. The value of such units is \$428.5 billion (Table 3, Col. 3). The annual value of repairs is oneeighth of the value of the above portion of the stock multiplied by 25%. This amounts to about \$12.85 billion annually (Table 3, Col. 4). The building permit fees from this amount of repairs is \$110.5 million annually (Table 3, Col. 5). Increasing this amount by 25% (a 25% increase in building permit fees) and dedicating this to a grant fund for the repair of deteriorated housing units occupied by incomeeligible families would create a fund of about \$27.5 million annually (Table 3, Col. 6).

At the average cost to repair a unit (render it free from deterioration)—approximately \$30,000 per unit—16,471 units are rendered sound at a cost of \$27.6 million annually (Table 3, Col. 7). This leaves 82,440 units deteriorated, to be addressed at a cost of \$818 million annually (if this money could be found) (see Table 3, Cols. 9 and 10). These cost calculations involve multiple steps and are explained below. The initial calculation is made by using the 2003 American Housing Survey data on the cost to effect various

types of repairs and expressing these figures in 2004 dollars.¹³ Depending upon the number of deficiencies in a unit, the cost of these repairs is applied, amortized over 15 years, expressed as an annual payment, and added to existing rent or ownership-occupancy costs. The difference between this cost added to rent or occupancy costs and the ability to pay at 35% (renters) or 40% (owners) of income is the annual cost of repairing deteriorated units in structures occupied by the income-eligible population.

Thus, annually tapping building permits from 12% of the nonsubsidized, nondeteriorated housing stock for the 1990 or earlier period yields \$27.6 million in building permit fees. This revenue would render close to 16,500 deteriorated dwelling units sound. Only about 15% of the stock of deteriorated units occupied by incomeeligible households can be repaired, given the chosen funding source and increment in revenues raised.

The locations of rehabilitation units potentially rendered sound (about 16,500) are found in the greatest numbers in Manhattan (5,600), followed by Brooklyn (4,100), Queens (3,900), The Bronx (2,000), and Staten Island (800). Units are rehabilitated citywide according to their cost; units are rehabilitated in community districts according to the revenues raised there and the average costs to repair units in these locations.

In the five boroughs, locations where significant numbers of units (more than 300 units per community district) potentially will be rehabilitated are Manhattan's Community Districts 1 and 2 (Civic Center, Wall Street, Tribeca, Governor's Island, Greenwich Village, Little Italy), Community District 3 (Lower East Side, Chinatown), Community Districts 4 and 5 (Chelsea, Clinton, Midtown, Times Square, Herald Square), Community District 6 (Murray Hill, East Midtown, Stuyvesant Town), Community District 7 (Lincoln Square, Upper West Side), Community District 8 (Upper East Side,

¹³ Remodel kitchen: \$24,200; create bathroom: \$22,950; create bedroom: \$28,100. U.S. CENSUS BUREAU & U.S. DEP'T OF HOUSING & URBAN DEV., AMERICAN HOUSING SURVEY FOR THE UNITED STATES: 2003 (2004).

Yorkville, Roosevelt Island), and Community District 12 (Washington Heights, Inwood) (Table 3, Col. 7).

Other locations of significant potential rehabilitation activity are Brooklyn's Community District 2 (Downtown Brooklyn, Fort Greene, Brooklyn Heights, Boerum Hill), Community District 6 (Red Hook, Park Slope, Carroll Gardens), Community District 14 (Flatbush, Ocean Parkway, Midwood), and Community District 18 (Canarsie, Marine Park, Mill Basin). Still other locations are Queens's Community District 1 (Astoria, Long Island City), Community District 6 (Rego Park, Forest Hills), Community District 7 (Flushing, Whitestone, College Point), and Community District 11 (Bayside, Douglaston, Little Neck). The only other location of significant potential rehabilitation is Staten Island's Community District 2 (Mid Island) (Table 3, Col. 7).

Rehabilitation funds are generated by moderate-, middle-, and upper-income households living in nondeteriorated units, typically seeking to improve or update and modernize their properties. A 25% increase in the building permit fee for these purposes is dedicated to pay for deteriorated units occupied by low- and moderate-income families. The modeling done in this exercise allows more rehabilitated units in areas where substantial numbers of high-value, nondeteriorated units exist. Clearly, more units can be rehabilitated in community districts in Manhattan and Brooklyn than in Queens and The Bronx. If the city taps building permit fees for this purpose, the fund could be citywide to allow monies generated from more affluent boroughs to assist in paying for the rehabilitation needs found in the poorer boroughs.

GEORGIA STATE UNIVERSITY LAW REVIEW

| | | | | Table 3 | | | | | | | |
|-----------------|--------------|---------------------------------|-----------------|--|------------------|----------------------|-----------------------|------------|--------------------------|---------------------------|-------------|
| | Us | Using a Portion of Building Per | f Building Pern | rmit Fees to Fund Rehabilitation Affordable Housing Need | habilitatio | n Afford | able Hous | ing Need | | | |
| | Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 Annual | Col. 6 | Col. 7 Rehab Units | Col. 8 | Col. 9 | Col. 10 | 700 |
| nunity District | PUMA Area | Number of Units | Value of Units | Annual Value of Repairs | es s | Increment of Fees | Rendered Sound | Cost to | Rehab Units Remaining | Remaining Cost to Cure | |
| 18.0 | 2010 | 300 | 021 270 022 31 | 501 057 415 | 4 002 260 | 1 220 017 | 777 | 1 130 017 | 600 | 10 666 334 | |
| 100.7 | | 00,208 | 10,132,247,170 | 501,967,413 | 4,723,208 | 1,430,517 | 000 | 1,230,817 | 803 | 13,330,324 | |
| m | 3809 | 600,09 | 6,270,265,119 | 188,107,954 | 1,924,414 | 481,103 | 355 | 481,103 | 3,872 | 30,717,222 | J |
| 4&5 | 3807 | 64,152 | 13,783,950,544 | 413,518,516 | 4,234,642 | 1,058,660 | 691 | 1,058,660 | 1,485 | 17,102,761 | Ľ |
| 9 | 3808 | 83,809 | 19,565,559,802 | 586,966,794 | 6,026,120 | 1,506,530 | 703 | 1,506,530 | 709 | 14,979,229 | ,1, |
| 7 | 3806 | 62.677 | 26,627,009,719 | 798,810,292 | 8,139,759 | 2,034,940 | 1,379 | 2,034,940 | 890 | 16,211,083 | V. |
| ∞ | 3805 | 118,819 | 38,061,925,365 | Ξ, | 11,638,861 | 2,909,715 | 978 | 2,909,715 | (342) | 7,395,925 | |
| 6 | 3802 | 42,037 | 4,656,446,195 | | 1,433,103 | 358,276 | 212 | 358,276 | 2,220 | 22,060,171 | 91 |
| 10 | 3803 | 41,005 | 3,010,208,578 | | 913,357 | 228,339 | 165 | 228,339 | 1,366 | 11,297,784 | A . |
| 11 | 3804 | 38,220 | 3,203,215,679 | 96,096,470 | 991,286 | 247,821 | 166 | 247,821 | 1,391 | 12,393,817 | |
| 12 | 3801 | 65,370 | 5,630,885,323 | 168,926,560 | 1,771,505 | 442,876 | 300 | 442,876 | 5,292 | 44,586,038 | • |
| attan Total | | 672,307 | 137,541,713,492 | 4, | 41,996,314 | 10,499,079 | 5,617 | 10,499,079 | 17,685 | 190,300,353 | . 4.1. |
| uAþa | | | | | | | | | | | LIN |
| , | 4001 | 43,658 | 4,431,409,257 | 132,942,278 | 1,161,556 | 290,389 | 201 | 290,389 | 2,850 | 23,716,831 | J1 1 |
| 2 | 4004 | 45,751 | 7,689,515,052 | 230,685,452 | 1,933,285 | 483,321 | 376 | 483,321 | 792 | 7,708,757 | |
| 3 | 4003 | 37,080 | 3,524,022,301 | 105,720,669 | 871,183 | 217,796 | 124 | 217,796 | 1,522 | 15,517,821 | |
| 4 | | 29,429 | 2,600,588,186 | 78,017,646 | 700,395 | 175,099 | 121 | 175,099 | 2,419 | 19,875,718 | . ** |
| 5 | 4008 | 41,780 | 3,904,932,569 | 117,147,977 | 998,545 | 249,636 | 128 | 249,636 | 1,850 | 20,708,298 | |
| 9 | | 44,874 | 10,008,694,531 | 300,260,836 | 2,235,831 | 558,958 | 363 | 558,958 | 905 | 10,086,638 | |
| 7 | 4012 | 38,007 | 4,769,696,088 | 143,090,883 | 1,171,194 | 292,798 | 184 | 292,798 | 3,309 | 30,032,850 | |
| ∞ | 4006 | 42,212 | 4,302,787,126 | 129,083,614 | 1,149,285 | 287,321 | 188 | 287,321 | 1,147 | 10,828,946 | 2 V V |
| 6 | | 38,364 | 4,179,304,200 | 125,379,126 | 1,112,577 | 278,144 | 193 | 278,144 | 1,442 | 12,565,735 | |
| 10 | | 47,946 | 7,889,819,549 | 236,694,586 | 1,807,320 | 451,830 | 247 | 451,830 | 1,106 | 13,055,840 | |
| 11 | | 58,094 | 8,888,782,295 | 266,663,469 | 1,993,122 | 498,280 | 284 | 498,280 | 2,537 | 26,493,383 | |
| 12 | | 42,574 | 7,328,282,018 | 219,848,461 | 1,615,617 | 403,904 | 250 | 403,904 | 3,305 | 30,890,278 | i |
| 13 | | 43,397 | 4,194,714,689 | 125,841,441 | 1,134,884 | 283,721 | 192 | 283,721 | 1,471 | 13,118,021 | * 0 |
| 14 | | 50,719 | 7,052,010,537 | 211,560,316 | 1,733,486 | 433,371 | 309 | 433,371 | 2,909 | 24,138,986 | 71. 2 |
| 15 | | 52,586 | 8,340,012,893 | 250,200,387 | 1,886,318 | 471,579 | 252 | 471,579 | 1,453 | 16,892,875 | |
| 16 | • | 34,074 | 2,643,904,303 | 79,317,129 | 693,210 | 173,303 | 91 | 173,303 | 717 | 8,237,452 | ,,, |
| 17 | · | 45,788 | 5,851,798,012 | 175,553,940 | 1,392,171 | 348,043 | 212 | 348,043 | 1,878 | 18,380,592 | • |
| 18 | 4009 | 62,763 | 11,280,107,742 | 338,403,232 | 2,323,426 | 280,856 | 404 | 580,856 | 252 | 4,563,154 | |

30

[Vol. 22:751

780

| 2 | 2006] | | A | .FF(|)Ri | DA | BL | EI | Ю | US | SIN | 1G | A l | ND | R | EI | Œ | VE | LOP | M | EN | T | | | | | 7 | 81 | | |
|---|-----------------------|---------------------------|-----------------|--------|---------------|------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|-----------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| | Col. 10 | Remaining Cost to Cure | 306,812,174 | , | 20,124,595 | 19,9/3,601 | 16.826.501 | 14,080,723 | 4,744,544 | 16,714,433 | 5,733,550 | 20,357,929 | 13,017,229 | 1,694,213 | 13,408,874 | 8,525,185 | 4,448,913 | 182,569,046 | | 10,725,685 | 10,088,593 | 26,300,975 | 18,703,772 | 21,143,106 | 9,284,032 | 13,428,005 | 2,282,883 | 9,743,131 | 7,119,595 | 128,819,777 |
| | Col. 9 | Rehab Units Remaining | 31,867 | | 2,246 | 2,132 | 1.932 | 1,159 | 346 | 1,492 | 285 | 1,783 | 1,095 | (70) | 1,030 | 540 | 399 | 16,525 | | 1,543 | 1,378 | 2,883 | 2,613 | 2,898 | 956 | 1,635 | 101 | 1,145 | 825 | 15,976 |
| ing Need | Col. 8 | Cost to Cure | 6,478,351 | | 571,663 | 361,301 | 319,982 | 520,676 | 492,086 | 863,576 | 492,148 | 362,115 | 359,535 | 494,785 | 494,623 | 578,887 | 265,344 | 6,580,705 | | 133,233 | 177,244 | 200,066 | 209,684 | 252,215 | 351,893 | 371,709 | 330,550 | 326,585 | 352,756 | 2,705,937 |
| able Hous | Col. 7 Rehab Units | Rendered Sound | 4,118 | | 398 | 231 | 219 | 279 | 364 | 546 | 215 | 188 | 188 | 372 | 248 | 287 | 176 | 3,933 | | 111 | 143 | 124 | 168 | 199 | 238 | 281 | 225 | 246 | 286 | 2,020 |
| n Afford | Col. 6 25 % | Increment of Fees | 6,478,351 | | 571,663 | 301,301 | 319,982 | 520,676 | 492,086 | 863,576 | 492,148 | 362,115 | 359,535 | 494,785 | 494,623 | 578,887 | 265,344 | 6,580,705 | | 133,233 | 177,244 | 200,066 | 209,684 | 252,215 | 351,893 | 371,709 | 330,550 | 326,585 | 352,756 | 2,705,937 |
| ehabilitatio | Col. 5 Annual | Building Dermit Fees | 25,913,404 | | 2,286,654 | 1,446,003 | 1,279,928 | 2,082,705 | 1,968,346 | 3,454,305 | 1,968,592 | 1,448,461 | 1,438,141 | 1,979,142 | 1,978,494 | 2,315,550 | 1,061,376 | 26,322,820 | | 532,934 | 708,978 | 800,265 | 838,737 | 1,008,860 | 1,407,573 | 1,486,836 | 1,322,200 | 1,306,340 | 1,411,024 | 10,823,747 |
| Table 3 Using a Portion of Building Permit Fees to Fund Rehabilitation Affordable Housing Need | Col. 4 | Annual Value of Repairs | 3,266,411,440 | | 278,851,311 | 109,//9,4/8 | 151.884.254 | 282,990,906 | 228,722,081 | 457,971,266 | 258,270,897 | 189,466,504 | 206,028,458 | 297,139,993 | 257,904,158 | 327,986,727 | 136,241,894 | 3,440,341,643 | | 52,624,451 | 70,876,010 | 77,852,672 | 82,170,551 | 896,877,86 | 150,848,226 | 167,972,097 | 168,866,408 | 160,047,559 | 182,940,076 | 1,212,977,018 |
| f Building Pern | Col. 3 | Value of Units | 108,880,381,349 | | 9,295,043,686 | 5,659,515,928 | 5.062.808.466 | 9,433,030,214 | 7,624,069,360 | 15,265,708,859 | 8,609,029,912 | 6,315,550,126 | 6,867,615,263 | 9,904,666,431 | 8,596,805,268 | 10,932,890,906 | 4,541,396,469 | 114,678,054,768 | | 1,754,148,367 | 2,362,533,676 | 2,595,089,083 | 2,739,018,351 | 3,292,632,277 | 5,028,274,185 | 5,599,069,899 | 5,628,880,256 | 5,334,918,633 | 6,098,002,542 | 40,432,567,269 |
| sing a Portion o | Col. 2 | Number of Units | 799,095 | | 71,035 | 44,493 50,003 | 40.573 | 956'09 | 51,084 | 86,462 | 54,263 | 43,145 | 38,676 | 44,237 | 099'59 | 61,296 | 34,947 | 747,734 | | 35,386 | 38,016 | 35,297 | 36,005 | 37,905 | 40,485 | 59,299 | 45,012 | 43,355 | 45,756 | 416,517 |
| ň | Col. 1 | PUMA Area | | | 4101 | 5 5 5 | 4107 | 4110 | 4108 | 4103 | 4106 | 4111 | 4113 | 4 19 | 4112 | 4105 | 4114 | | | 3710 | 3705 | 3708 | 3707 | 3706 | 3701 | 3709 | 3703 | 3704 | 3702 | |
| | | | -= | | - (| 7 (| υ 4 | · w | 9 | 7 | ∞ | 6 | 10 | 11 | 12 | 13 | 14 | | | 1&2 | 3&6 | 4 | S | 7 | ∞ | 6 | 10 | 11 | 12 | |
| l by Reading | Room, | Community D | Brooklyn Total | Queens | einC | nli | .ne | | 22 | Ga | 1. | St. | Ū | . I | ı .] | Rev | · . | Queens Total | B 00x | 5-20 | 006 | | | | | | | | ٠ | Bronx Total |

Published

https://readingroom.lav

GEORGIA STATE UNIVERSITY LAW REVIEW

| v.gsu | | | | Table 3 | | | | | | |
|---------------------|--------|-------------------|-----------------|--|------------------------|-----------------------|-------------|------------|-------------|--------------|
| ı.edu/ | | sing a Portion of | Building Pern | Using a Portion of Building Permit Fees to Fund Rehabilitation Affordable Housing Need | ehabilitatic | on Afforda | able Hous | ing Need | | |
| 'gsul | Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 | Col. 7 | Col. 8 | Col. 9 | Col. 10 |
| r/vo | | | | | Annual | 25 % | Rehab Units | | | |
| ol22 | | | | | Building | Increment of Rendered | Rendered | Cost to | Rehab Units | Remaining |
| Community District | Area | Number of Units | Value of Units | Annual Value of Repairs | Permit Fees | Fees | Sound | Cure | Remaining | Cost to Cure |
| Staten Island | | | | | | | | | | |
| nOn: | 1 3903 | 53,196 | 7,963,143,414 | 238,894,302 | 1,739,382 | 434,846 | 245 | 434,846 | 929 | 8,459,494 |
| lin | 2 3902 | 44,217 | 8,705,883,253 | 261,176,498 | 1,763,790 | 440,947 | 315 | 440,947 | (155) | 779,743 |
| ıe | 3 3901 | 45,544 | 10,336,433,036 | 310,092,991 | 2,020,321 | 505,080 | 223 | 505,080 | (135) | 581,186 |
| Staten Island Total | | 142,957 | 27,005,459,703 | 810,163,791 | 5,523,493 | 1,380,873 | 783 | 1,380,873 | 386 | 9,820,424 |
| City Total | | 2,778,611 | 428,538,176,581 | 12,856,145,297 | 110,579,779 27,644,945 | 27,644,945 | 16,471 | 27,644,945 | 82,440 | 818,321,774 |
| St. | | | | | | | | | | |
| Notes: | ((| ; | , | | ; | | | | | |

The number of units rendered sound, reflecting the amount of money raised in a community district for affordable housing purposes and the average Building permit fees generated by various types of units undergoing improvement at a rate of about 0.5% of the value of improvements for one- to The nondeteriorated housing stock of New York City, except for the portion occupied by renter and ownership households below 30% of median Improvement building permit-generated fees raised by one-quarter of current magnitude, with these funds dedicated to rehabilitating deteriorated The value (in 2004 dollars) of the nondeteriorated housing stock that is likely to be improved. Rental-unit value equals 100 times contract rent U.S. Census geographic areas encompassing at least 100,000 in population and established to coincide with community district locations. three-family dwellings, and 1.0% of the value of improvements for all others. The improvement amount is 25% of structure value. Ownership-unit value is as reported by owners in 2000. A 6% annual inflation rate is used to convert 2000 value to 2004 value. Twelve percent (12%) of nondeteriorated, non-lower-end units are improved annually to a level of 25% of their value. income. The former is the portion of the housing stock likely to improve their units. units occupied by those below 135% of median income. 3 4 9 <u>ප</u> 3 S පි S ટ ප් 782 2005-2006 Rev.

The number of units that could not be repaired due to insufficiency of funds beyond what would be raised by building permit fee increases. The costs to render sound the number of units specified in column 7. The costs to render sound these remaining units. Col. 10 Sol. 8 Col. 9

cost to rehabilitate units there.

Source: U.S. Census Bureau, 2000 Census of Population and Housing: Public Use Microdata Sample (2003),

783

•

C. New Construction Affordable Housing Need

20061

New construction affordable housing need relates to households that will grow in the future below a certain percentage of median income, for whom unassisted new market housing will not be available. A portion of this future affordable housing need can be met through a program of inclusionary housing. For New York City, the target group is defined as those who fall below 135% of regional median income of \$62,300. One hundred thirty-five percent (135%) of regional median income is \$84,100. Households are defined as very low-income if they earn below \$31,150; low-income if they earn between \$31,150 and \$49,840; and moderate-income if they earn between \$49,840 and \$84,100. In New York City, household growth for the period of 2005 to 2010 will comprise 105,250 households, approximately 79,750 of which will be very low-, low-, and moderate-income households, and 25,500 of which will be middleand upper-income households. Over the decade of 1990 to 2000, New York City grew by 130,000 units, the vast majority of which were households whose income was greater than 135% of median income. For the period of 2005 to 2010, a similar value distribution of units is assumed. About 115,000 units, including vacancy, will be delivered over the period. Ninety percent (90%) of the non-vacant units (105,100 units), or nearly 95,000 units, will be above the affordability requirements of those making 135% of median income (Table 4, Col. 2). Of these units, approximately 75% will be built in residential zones that encourage inclusionary zoning.¹⁴ This amounts to just over 71,000 units (Table 4, Col. 3). Applied to these 71,000 units is a 20% bonus for inclusionary housing. This would enable new construction of another 14,200 units (Table 4, Col. 4). Total units allowed in the zones would be 85,250, of which 10% inclusionary would be 8,525 units (see Table 4, Cols. 5 and 6). The cost of these units would be at

Published by Reading Room, 2006

¹⁴ The inclusionary housing program prescribed here reflects a proposal by the New York City Department of Housing, Preservation and Development (HPD) for the Greenpoint/Williamsburg section of Brooklyn. See The Steven L. Newman Real Estate Institute, Report to the New York City PUBLIC ADVOCATE: AFFORDABLE HOUSING IN New York City pt. 2 (2005), http://pubadvocate.nyc.gov/policy/documents/TheContextofAffordableHousinginNewYorkCity_000.pdf (last visited Mar. 18, 2006).

new construction costs in New York City, by borough. The subsidy cost would be what is required to occupy these units at 35% of income for renters and 40% for owners versus what these units would cost to occupy. Subsidy cost is the difference between the income required to occupy housing and what can be afforded. This cost will be borne by a combination of operating revenues provided by the new housing occupant and developer subsidies. The developer will provide subsidies in reaction to density increases.

The location of housing created in the future in New York City will reflect the immediate past period of housing delivery in the city (1990 to 2000). Ninety-five thousand (95,000) housing units for households whose income exceeds 135% of median income will be delivered of the 105,000 total housing units produced. Of the former, 26% (24,800 units) will be delivered in Manhattan; 21% (19,800 units) will be delivered in Brooklyn; 19% (17,400 units) will be delivered in Staten Island; 18% (17,000 units) will be delivered in Queens; and 16% (15,600 units) will be delivered in The Bronx (Table 4, Col. 2). In zones that will allow inclusionary zoning, this will produce 71,000 units: 18,600 units in Manhattan, 14,900 units in Brooklyn, 13,000 units in Staten Island, 12,800 units in Queens, and 11,700 units in The Bronx (see Table 4, Col. 3). Taking 10% of the above numbers, after inflating them by 20% for a density bonus, the following number of inclusionary units are produced in each of the boroughs: 2,235 units in Manhattan, 1,785 units in Brooklyn, 1,565 units in Staten Island, 1,533 units in Queens, and 1,407 units in The Bronx. Total inclusionary units supported by future market growth over the period is 8,524 units (see Table 4, Col. 6).

Significant concentrations (above 200 units per community district) of inclusionary units (below the borough level) potentially could take place in Manhattan's Community Districts 1 and 2 (Civic Center, Wall Street, Governors Island, Tribeca, Greenwich Village, Little Italy), Community Districts 4 and 5 (Chelsea, Clinton, Midtown, Times Square, Herald Square), Community District 7 (Lincoln Square, Upper West Side), Community District 8 (Upper East Side, Yorkville, Roosevelt Island), and Community District 10 (Central Harlem); Brooklyn's Community District 3 (Bedford

2006]

Stuyvesant, Tompkins Park North, Stuyvesant Heights); Queens's Community District 12 (Jamaica, South Jamaica, Hollis); The Bronx's Community Districts 1 and 2 (Mott Haven, Melrose, Port Morris), Community Districts 3 and 6 (Melrose, Morrisania, East Tremont, Bathgate, Belmont), and Community District 4 (Highbridge, Coucourse); and all three of Staten Island's Community Districts—Community District 1 (North Island), Community District 2 (Mid Island), and Community District 3 (South Island) (see Table 4, Col. 6).

In sum, inclusionary zoning as a portion of the new market housing stock coming on-stream potentially can produce about 8,500 new affordable housing units. These will be distributed mainly in Manhattan (2,235 units), followed by Brooklyn (1,784 units), Staten Island (1,565 units), Queens (1,533 units), and The Bronx (1,407 units). These are new units added to the stock of housing specifically for households of low and moderate income. This is not a program that eases cost burden in existing nondeteriorated low- and moderateincome units or makes units sound in deteriorated low- and moderateincome units; it is a program that actually contributes net additional units to the housing stock. Even though, in a numerical sense, inclusionary zoning's effect is diminished by both potential costburden efforts (80,000 units rendered affordable) and rehabilitation activities (16,500 units repaired), neither of those programs produces net new units. Inclusionary zoning, therefore, should receive special attention.

|) | Sing | Using Inclus | ionary 7 | Coning to | Eund Z | Table 4 New Constr | ruction A | Table 4 Joning to Fund New Construction Affordable Housing Need | Fousing N | eed |
|-----------------------|-------|--------------|--|--|--|--------------------------------|---|--|---|---|
| , | | Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 | Col. 7 | Col. 8 | Col. 9 |
| Community District | | PUMA | 90% of Total Growth Forms Market Growth | 75% of Market Growth Forms In- clusionary Share | Density Bonus (20%) of In- clusionar y Share | Total Inclusionary Share | 10% Additional In- clusionary Units | Subsidy* Cost of Inclusionary Units | Housing Næd Not Met by In- clusionary units | Cost of Housing Need Not Met by Inclusionary Units |
| Manhattan | | | | | | | | | | |
| | 1&2 | 3810 | 3,632 | 2,724 | 545 | 3,269 | 327 | 7,950,392 | 909 | 14,715,459 |
| | 3 | 3809 | 2,175 | 1,631 | 326 | 1,957 | 196 | 4,114,313 | 1,688 | 35,489,882 |
| | 4&5 | 3807 | 3,389 | 2,542 | 208 | 3,050 | 305 | 7,971,269 | 847 | 22,136,471 |
| | 9 | 3808 | 2,072 | 1,554 | 311 | 1,864 | 186 | 5,529,185 | 1,186 | 35,160,574 |
| | 7 | 3806 | 4,430 | 3,322 | 664 | 3,987 | 399 | 10,073,081 | 1,656 | 41,848,235 |
| | ∞ | 3805 | | 2,603 | 521 | 3,123 | 312 | 9,786,199 | 1,006 | 31,509,713 |
| | 6 | 3802 | 804 | 603 | 121 | 723 | 72 | 1,450,998 | 1,024 | 20,536,377 |
| | 10 | 3803 | 2,579 | 1,934 | 387 | 2,321 | 232 | 4,712,646 | 1,089 | 22,107,505 |
| | 11 | 3804 | 1,709 | 1,282 | 256 | 1,538 | 154 | 3,079,927 | 1,332 | 26,668,930 |
| | 12 | 3801 | 578 | 433 | 87 | 520 | 52 | 940,275 | 1,900 | 34,360,163 |
| Manhattan Total | [otal | | 24,838 | 18,628 | 3,726 | 22,354 | 2,235 | 55,608,284 | 12,333 | 284,533,309 |
| Brooklyn | | | | | | | | | | |
| | | 4001 | 1,281 | 961 | 192 | 1,153 | 115 | 919,748 | 671 | 5,349,327 |
| | 7 | 4004 | 861 | 646 | 129 | 775 | 78 | 781,851 | 437 | 4,411,869 |
| | æ | 4003 | 2,440 | 1,830 | 366 | 2,196 | 220 | 2,156,410 | 439 | 4,315,303 |
| | 4 | 4002 | 1,932 | 1,449 | 290 | 1,739 | 174 | 1,671,456 | 396 | 3,807,094 |
| | 5 | 4008 | 1,510 | 1,133 | 227 | 1,359 | 136 | 1,404,182 | 884 | 9,132,795 |
| | 9 | 4005 | 1,046 | 785 | 157 | 941 | 94 | 1,329,807 | 66 | 1,396,291 |
| | 7 | 4012 | 691 | 518 | 104 | 622 | 62 | 847,857 | 410 | 5,585,288 |
| | 00 | 4006 | 1,047 | 785 | 157 | 942 | 92 | 817,432 | 571 | 4,950,777 |

Using Inclusionary Zoning to Fund New Construction Affordable Housing Need

| Š | | eminin , | Tomary 4 | | T Dun. | | action A | USING THEIRSTONALLY ZOUTING TO FUTHE INCH. COURSE WELLOTH AND LABOR TEGUSING MEETING. | , Sinch of | |
|-----------------------|----|----------|--|--|--|---|---|---|--|---|
| | | Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 | Col. 7 | Col. 8 | Col. 9 |
| Community District | | PUMA | 90% of Total Growth Forms Market Growth | 75% of Market Growth Forms In- clusionary Share | Density Bonus (20%) of In- clusionar y Share | Density Bonus (20%) of In- Total clusionar Inclusionary y Share Share | 10% Additional In- clusionary Units | Subsidy* Cost of Inclusionary Units | Housing Need Not Met by In- clusionary umits | Cost of Housing Need Not Met by Inclusionary Units |
| | 6 | 4011 | 539 | 404 | 81 | 485 | 48 | 426,678 | 292 | 6,757,117 |
| | 10 | 4013 | 583 | 437 | 87 | 525 | 52 | 893,492 | 343 | 5,834,308 |
| | 11 | 4017 | 1,040 | 780 | 156 | 936 | 94 | 1,142,836 | <i>L</i> 69 | 8,516,196 |
| | 12 | 4014 | 1,417 | 1,063 | 213 | 1,276 | 128 | 1,797,831 | 153 | 2,162,232 |
| | 13 | 4018 | 642 | 481 | 96 | 578 | 58 | 555,723 | 807 | 7,767,995 |
| | 14 | 4015 | 515 | 386 | 77 | 463 | 46 | 484,191 | 631 | 6,591,005 |
| | 15 | 4016 | 901 | 675 | 135 | 811 | 81 | 1,203,243 | 558 | 8,282,550 |
| | 16 | 4007 | 1,426 | 1,069 | 214 | 1,283 | 128 | 1,531,518 | 474 | 5,653,771 |
| | 17 | 4010 | 614 | 460 | 92 | 552 | 55 | 703,437 | 865 | 11,011,215 |
| | 18 | 4009 | 1,336 | 1,002 | 200 | 1,202 | 120 | 2,108,575 | 587 | 10,290,015 |
| Brooklyn Total | al | | 19,821 | 14,866 | 2,973 | 17,839 | 1,784 | 20,776,270 | 6,789 | 111,815,149 |
| Oneens | | | | | | | | | | |
| | - | 4101 | 1,677 | 1,258 | 252 | 1,510 | 151 | 988,217 | 2,580 | 16,888,474 |
| | 7 | 4109 | 1,607 | 1,205 | 241 | 1,447 | 145 | 979,270 | 1,444 | 9,777,766 |
| | 33 | 4102 | 1,389 | 1,041 | 208 | 1,250 | 125 | 1,003,138 | 1,933 | 15,516,267 |
| | 4 | 4107 | 1,348 | 1,011 | 202 | 1,214 | 121 | 846,884 | 1,516 | 10,577,440 |
| | 5 | 4110 | 703 | 527 | 105 | 632 | 63 | 552,960 | 2,140 | 18,713,174 |
| | 9 | 4108 | 659 | 494 | 66 | 593 | 59 | 460,842 | 1,434 | 11,136,131 |
| | 7 | 4103 | 1,946 | 1,459 | 292 | 1,751 | 175 | 1,630,757 | 2,746 | 25,571,988 |
| | ∞ | 4106 | 681 | 511 | 102 | 613 | 61 | 578,641 | 1,611 | 15,209,651 |

| n | sing | Using Inclusic | ionary 2 | Zoning to | Eund N | Table 4 New Consti | ruction A | Table 4 onary Zoning to Fund New Construction Affordable Housing Need | Tonsing N | leed |
|-----------------------|----------|----------------|------------------|---------------------|----------------------|-----------------------|---------------------|--|---------------------|--------------------------|
| | D | Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 | Col. 7 | Col. 8 | Col. 9 |
| | | | | | | | | | | |
| | | | 90% of | 75% of | Density | | 90 | | | |
| | | | Growth | Growth | (20%) of | | 10% Additional | Subsidv* | Housing Need Not | Cost of Housing |
| | | | Forms | Forms In- | | Total | Ţ | Cost of | Met by In- | Need Not Met |
| Community District | | PUMA | Market Growth | clusionary Share | clusionar y Share | Inclusionary Share | clusionary Units | Inclusionary Units | chusionary units | by Inclusionary Units |
| | 6 | 4111 | 499 | 374 | 75 | 449 | 45 | 469,334 | 1,401 | 14,632,812 |
| | 10 | 4113 | 624 | 468 | 8 | 562 | 56 | 828,964 | | 19,374,116 |
| | 11 | 4104 | 970 | 727 | 145 | 873 | 87 | 1,191,718 | 1,080 | 14,743,209 |
| | 12 | 4112 | 2,912 | 2,184 | 437 | 2,621 | 262 | 2,759,620 | 2,638 | 27,773,413 |
| | 13 | 4105 | 1,131 | 848 | 170 | 1,018 | 102 | 1,487,095 | 1,994 | 29,143,329 |
| | 14 | 4114 | 888 | 999 | 133 | 799 | 80 | 718,111 | 1,208 | 10,852,003 |
| Queens Total | | | 17,034 | 12,776 | 2,555 | 15,331 | 1,533 | 14,495,551 | 25,037 | 239,909,773 |
| Bronx | | | | | | | | | | |
| | 1&2 | 3710 | 2,525 | 1,894 | 379 | 2,273 | 727 | 710,435 | 1,594 | 4,981,457 |
| | 3&6 | 3705 | 4,014 | 3,011 | 602 | 3,613 | 361 | 1,087,006 | 1,650 | 4,963,842 |
| | 4 | 3708 | 2,232 | 1,674 | 335 | 2,009 | 201 | 606,126 | 1,501 | 4,528,381 |
| | \$ | 3707 | 2,028 | 1,521 | 304 | 1,825 | 183 | 441,425 | 1,571 | 3,800,240 |
| | 7 | 3706 | 417 | 313 | 63 | 375 | 38 | 102,150 | 1,538 | 4,189,732 |
| | ∞ | 3701 | 340 | 255 | 51 | 306 | 31 | 176,953 | 1,168 | 6,747,665 |
| | 6 | 3709 | 986 | 740 | 148 | 888 | 68 | 477,682 | 2,423 | 13,041,007 |
| | 10 | 3703 | 850 | 638 | 128 | 765 | 11 | 638,034 | 1,421 | 11,854,832 |
| | | 3704 | 938 | 703 | 141 | 844 | % | 493,513 | 1,567 | 9,160,675 |
| | 12 | 3702 | 1,304 | 826 | 196 | 1,174 | 117 | 873,169 | 1,635 | 12,162,061 |
| Bronx Total | | | 15,635 | 11,727 | 2,345 | 14,072 | 1,407 | 5,606,493 | 16,069 | 75,429,891 |

| US | ing | Inclus | sionary 2 | Zoning to | Fund N | vew Consti | ruction A | Using Inclusionary Zoning to Fund New Construction Affordable Housing Need | Housing N | eed |
|------------------------|-----|--------|------------------------------------|---|-------------------------------------|---|--------------------------|--|-----------------------------------|---------------------------------|
| | | Col. 1 | Col. 2 | Col.3 | Col. 4 | Col. 5 | Col. 6 | Col. 7 | Col. 8 | Col. 9 |
| | | | 90% of Total Growth Forms | 75% of Market Growth Forms In- | Density Bonus (20%) of In- | Total | 10% Additional In- | Subsidy* Cost of | Housing Need Not Met by In- | Cost of Housing Need Not Met |
| Community District | | PUMA | Market Growth | clusionary Share | clusionar y Share | clusionar Inclusionary y Share Share | clusionary Units | Inclusionary Units | clusionary units | by Inclusionary Units |
| Staten Island | | | | | | | | | | |
| | 1 | 3903 | 4,448 | 3,336 | <i>L</i> 99 | 4,004 | 400 | 4,628,370 | 3,393 | 39,221,242 |
| | 63 | 3902 | 3,706 | 2,779 | 556 | 3,335 | 334 | 4,119,336 | 2,432 | 30,045,291 |
| | E | 3901 | 9,234 | 6,926 | 1,385 | 8,311 | 831 | 11,659,271 | 2,105 | 29,530,509 |
| Staten Island Total | | | 17,388 | 13,041 | 2,608 | 15,649 | 1,565 | 24,406,977 | 7,930 | 98.797.042 |
| City Total | | | 94,716 | 71,037 | 71,037 14,207 | 85,244 | 8,524 | 8,524 116,893,574 | 71,158 | 810,485,165 |

Notes:

*Cost to construct at market prices occupied by those who cannot afford market prices. Subsidy is the yearly occupancy cost amount minus the tenant's contribution at 35% (renters) or 40% (owners) of annual income times the number of units provided by inclusionary zoning.

- Col. 1 U.S. Census geographic areas encompassing at least 100,000 in population and established to coincide with community district locations.
- Col. 2 Ninety percent (90%) of 105,000-unit growth projected for the period of 2005-2010.
- Col. 3 Seventy-five percent (75%) of market growth is the share to which an inclusionary requirement can be attached. This is an expansion of the prime higher-density inclusionary zones to the lower-density zones.
- Col. 4 A density bonus of 20% (20% more units) added to the number of units that could potentially support inclusionary zoning initiatives.
- Col. 5 Total inclusionary-supporting housing units likely to be constructed over the period of 2005-2010.
- Col. 6 Ten percent (10%) of inclusionary-supporting units reserved for affordable housing units.
- Col. 7 Cost to construct affordable units at market prices, yielding an occupancy cost per month. The occupancy cost per month is paired with the ability to pay for housing within households formed, matching housing-unit size and household size. The difference in cost to produce and what the household can pay at 35% (renters) or 40% (owners) of income is the subsidy cost.
- Col. 8 Units remaining in future housing demand not able to be met by inclusionary zoning.
- Col. 9 The cost of units remaining, which are not able to be met by inclusionary zoning.

Source: U.S. Census Bureau, 2000 Census of Population and Housing: Public Use Microdata Sample (2003).

D. Locations of Affordable Housing Demand Versus Affordable Housing Supply

This Article modeled affordable housing supply strategies to allow the activities of the housing market at and below the borough level to provide resources to address affordable housing need in these locations. Where markets are stronger, more affordable housing need is addressed; where markets are weaker, less affordable housing need is addressed. In other words, if there is a significant amount of costburdened affordable housing need in The Bronx and less need in Manhattan, and a significant amount of real estate transfer revenue is raised in Manhattan and less is raised in The Bronx, these revenues are retained in Manhattan to address affordable housing need there and similarly retained in The Bronx to address affordable housing need there. This procedure is employed for cost-burdened, rehabilitation, and new construction affordable housing need (Table 5, Cols. 2, 3, and 4). In all of these cases, proportional shares of real property transfer taxes, building permit revenues, and new construction inclusionary units are being used to address affordable housing need in these locations. Yet these resources may be more greatly needed to answer affordable housing need in weaker market locations. Thus, revenue support activity for affordable housing development is taking place at a higher rate in Manhattan, Brooklyn, and Staten Island and at a lower rate in Queens and The Bronx, where housing markets are weaker. Housing unit turnover, property improvements, and housing unit growth are more prevalent in locations where affordable housing need is not large. This results in proportionally more affordable housing unit demand being addressed in locations where housing markets are stronger and proportionally less where housing markets are weaker. To avoid this, the city could establish a citywide fund to redistribute raised resources in direct proportion to the locations of greatest affordable housing need. Table 5 shows need addressed versus actual need by borough and community district. Reflective of market conditions, proportionally more need is addressed in Manhattan, Brooklyn, and Staten Island and proportionally less in Queens and The Bronx. To reverse this

situation and deliver affordable housing where it is needed, one would divide the numbers found in Table 2, Col. 7, Table 3, Col. 7, and Table 4, Col. 6 by the ratios found in Table 5, Cols. 2, 3, and 4, respectively. More fairly balancing revenue and need would require dividing the need-addressed numbers of Tables 2, 3, and 4 by the ratios found in Table 5. Locations of potential housing delivery versus housing need will be an issue as New York City addresses affordable housing need in the future. It clearly involves questions of equity, linkage, and possibly, property rights.

V. A New Construction Program for Moderate- and Lower-Middle-Income Housing

While the above statements on inclusionary zoning are clearly accurate, there is a limited ability to deliver new units through this mechanism. Barely 10% of the new income-qualified households formed would have their need addressed via inclusionary zoning. The city needs a new, large, publicly supported housing program to enable more first responders (police, fire, and emergency medical services workers), teachers, government workers, and those in business and personal services to live in New York City. This could resemble the 1955 Mitchell-Lama housing program sponsored by Manhattan State Senator MacNeil Mitchell and former Brooklyn Assembly Member Alfred Lama. 16 Under that initiative, New York State and New York City low-interest loans spurred the development of 105,000 apartments in the city, of which slightly over one-half remain. The program benefited both tenants and landlords. In exchange for keeping rents affordable (by imposing limitations on developers' profit and income limits on tenants), the city and state provided landlords with low-interest loans and tax breaks.

¹⁵ The ratios developed in Table 5 show that in most parts of Manhattan, as opposed to most parts of The Bronx, more revenues are produced than need addressed.

¹⁶ New York City's Mitchell-Lama housing program was one of the premier new construction efforts to provide housing for middle-income households. It lasted for 10 years and provided over 100,000 new units.

793

2006] AFFORDABLE HOUSING AND REDEVELOPMENT

Such a program would raise money at the city and state levels to subsidize construction loans and permanent financing for the developers of these buildings with interest rates as low as 1% to 3% for borrowed money. Real estate taxes would be reduced to 10% of actual taxes. This would require a commitment from the city and state to raise the difference between the cost of construction and permanent financing, and what they charge developers.

In addition, the city would not collect real estate taxes for a share of the population to which it would be providing public services. Even if this type of program produced only one-third (34,000 units) of the amount of affordable housing produced through the Mitchell-Lama housing program (105,000 units) over the next five years, this effect would be four times greater than inclusionary zoning alone (8,500 units). It is time to re-initiate a large-scale housing subsidy program in New York City.

Table 5
Affordable Housing Demand Versus Affordable Housing Supply
By Borough and Community District 2005, 2005-2010

| | Col. 1 | Col. 2 | Col. 3 | Col. 4 |
|-----------------------|--------------|--|---|--|
| Community District | PUMA Area | Ratio of Real Estate Transfer Tax Supported by Cost Burden (Supply) to Actual Cost- Burdened Units (Demand) (2005) | Ratio of Building Permit Fee Charges to Rehabilitate Units (Supply) to Units that Require Rehabilitation (Demand) | Ratio of New Housing Construction for the Period of 2005 to 2010 (Supply) to Total Future Demand 2005 to 2010 (Demand) |
| Manhattan | | | | |
| 1&2 | 3810 | 1.66 | 2.66 | 3.67 |
| 3 | 3809 | 0.85 | 0.53 | 1.32 |
| 4&5 | 3807 | 1.31 | 2.17 | 3.12 |
| 6 | 3808 | 1.37 | 3.76 | 1.01 |
| 7 | 3806 | 2.35 | 3.34 | 1.67 |
| 8 | 3805 | 2.31 | 7.26 | 1.32 |
| 9 | 3802 | 0.83 | 0.59 | 0.71 |
| 10 | 3803 | 0.62 | 0.68 | 2.05 |
| 11 | 3804 | 0.84 | 0.69 | 1.16 |
| 12 | 3801 | 0.64 | 0.32 | 0.29 |
| Manhattan Total | | 1.34 | 1.50 | 1.47 |
| Brooklyn | | | | |
| 1 | 4001 | 0.73 | 0.43 | 1.67 |
| 2 | 4004 | 1.57 | 1.85 | 1.29 |
| 3 | 4003 | 0.53 | 0.48 | 3.46 |
| 4 | 4002 | 0.49 | 0.31 | 3.25 |
| 5 | 4008 | 0.52 | 0.44 | 1.47 |
| 6 | 4005 | 1.91 | 1.87 | 4.45 |
| 7 | 4012 | 0.84 | 0.36 | 1.31 |
| 8 | 4006 | 0.72 | 0.73 | 1.49 |
| 9 | 4011 | 0.62 | 0.61 | 0.58 |
| 10 | 4013 | 1.34 | 0.99 | 0.99 |
| 11 | 4017 | 0.82 | 0.65 | 1.04 |
| 12 | 4014 | 0.91 | 0.51 | 3.27 |
| 13 | 4018 | 0.73 | 0.81 | 0.65 |

795

Table 5 (Continued)
Affordable Housing Demand Versus Affordable Housing Supply
By Borough and Community District 2005, 2005-2010

| | Col. 1 | Col. 2 | Col. 3 | Col. 4 |
|-----------------------|--------------|--|---|--|
| Community District | PUMA Area | Ratio of Real Estate Transfer Tax Supported by Cost Burden (Supply) to Actual Cost- Burdened Units (Demand) (2005) | Ratio of Building Permit Fee Charges to Rehabilitate Units (Supply) to Units that Require Rehabilitation (Demand) | Ratio of New Housing Construction for the Period of 2005 to 2010 (Supply) to Total Future Demand 2005 to 2010 (Demand) |
| 14 | 4015 | 0.99 | 0.54 | 0.63 |
| 15 | 4016 | 1.17 | 0.87 | 0.99 |
| 16 | 4007 | 0.48 | 0.59 | 2.28 |
| 17 | 4010 | 0.63 | 0.64 | 0.55 |
| 18 | 4009 | 1.04 | 3.32 | 1.26 |
| Brooklyn Total | 1005 | 0.86 | 0.71 | 1.45 |
| Dioonly i Toul | | 0.00 | 0.7. | 2 |
| Queens | | | | |
| 1 | 4101 | 0.87 | 0.82 | 0.54 |
| 2 | 4109 | 0.89 | 0.55 | 0.85 |
| 3 | 4102 | 0.74 | 0.49 | 0.62 |
| . 4 | 4107 | 0.68 | 0.63 | 0.76 |
| 5 | 4110 | 1.10 | 1.04 | 0.27 |
| 6 | 4108 | 1.19 | 2.73 | 0.32 |
| 7 | 4103 | 1.22 | 1.63 | 0.51 |
| 8 | 4106 | 1.40 | 1.73 | 0.29 |
| 9 | 4111 | 0.79 | 0.59 | 0.28 |
| 10 | 4113 | 1.03 | 0.89 | 0.35 |
| 11 | 4104 | 1.63 | 9.54 | 0.48 |
| 12 | 4112 | 0.73 | 1.00 | 0.87 |
| 13 | 4105 | 1.33 | 2.45 | 0.37 |
| 14 | 4114 | 1.09 | 1.70 | 0.60 |
| Queens Total | | 1.02 | 1.09 | 0.51 |
| _ | | | | |
| Bronx | 2012 | 0.40 | 0.57 | 1.44 |
| 1&2 | 3710 | 0.48 | 0.37 | 1.44 |
| 3&6 | 3705 | 0.44 | 0.56 | 2.13 |
| 4 | 3708 | 0.45 | 0.25 | 1.38 |

Table 5 (Continued)
Affordable Housing Demand Versus Affordable Housing Supply
By Borough and Community District 2005, 2005-2010

| | Col. 1 | Col. 2 | Col. 3 | Col. 4 |
|-----------------------|---------------------------------|--|---|--|
| Community District | PUMA Area | Ratio of Real Estate Transfer Tax Supported by Cost Burden (Supply) to Actual Cost- Burdened Units (Demand) (2005) | Ratio of Building Permit Fee Charges to Rehabilitate Units (Supply) to Units that Require Rehabilitation (Demand) | Ratio of New Housing Construction for the Period of 2005 to 2010 (Supply) to Total Future Demand 2005 to 2010 (Demand) |
| 5 | 3707 | 0.41 | 0.34 | 1.21 |
| 7 | 3706 | 0.50 | 0.37 | 0.26 |
| 8 | 3701 | 1.13 | 1.12 | 0.22 |
| 9 | 3709 | 0.58 | 0.82 | 0.38 |
| 10 | 3703 | 1.32 | 2.96 | 0.46 |
| 11 | 3704 | 0.82 | 1.02 | 0.51 |
| 12 | 3702 | 0.70 | 1.34 | 0.63 |
| Bronx Total | | 0.63 | 0.64 | 0.85 |
| Staten Island | | | | |
| 1 | 3903 | 1.37 | 1.87 | 0.98 |
| 2 | 3902 | 1.80 | 10.35 | 0.98 |
| 3 | 3901 | 2.18 | 14.93 | 2.21 |
| Staten Island Total | 1 | 1.75 | 4.44 | 1.39 |
| City Total | | 1.00 | 1.00 | 1.00 |
| Notes: | | | | |
| Col. 1 | | tion and established | areas encompassing ed to coincide with | g at least 100,000 in community district |
| Col. 2 | cost-bu 1 to 1 p units de | rdened affordable parity between the | units and delivered | ired, if there was a red and the scale of |
| Col. 3 | Ratio o was a 1 scale of | f rehabilitation af to 1 parity between | fordable housing un en the scale of units required units and d | - |
| Col. 4 | Ratio o | f new constructio | n affordable housin | g units delivered to |

AFFORDABLE HOUSING AND REDEVELOPMENT

new construction affordable housing units required, if there was a 1 to 1 parity between the scale of units required and the scale of units delivered (required units and delivered units are scaled to delivered units).

797

Source: Rutgers University, Center for Urban Policy Research (2005).

CONCLUSION

This Article sought to examine the various types of affordable housing need as they exist at the borough level and below in New York City. The Article scrutinized cost-burdened, rehabilitation, and new construction affordable housing need in terms of its magnitude in community districts throughout New York City. The Article provided the gross numbers of affordable housing need by specific locations. In addition, the Article examined various types of revenue and ameliorative strategies as responses to affordable housing need. Using a 20% increase in the Real Property Transfer Tax to address cost burden, a 25% increase in residential building permit charges to address rehabilitation need, and inclusionary zoning at a rate of 10%, where it is applicable, to address new construction need, the three demand components of affordable housing need were responded to by supply. The findings below are the results of these investigations.

A. Affordable Housing Need

20061

1. Cost burden affects New York City residents (except those who live in Staten Island) relatively evenly (in terms of share of the population) at 41% to 45% of those who are income-eligible. In Staten Island, 37% of those who are income-eligible are cost-burdened. This means that there are somewhat compensating effects in the cost of the local housing stock for the significant differences found between median incomes (in 2004 dollars) in Manhattan (\$52,500+) and median incomes in Brooklyn (\$36,700). Median housing cost (in 2004 dollars) in Manhattan is \$1,035 monthly to occupy housing; median housing cost in Brooklyn is \$872 monthly to occupy housing.

- 2. Rehabilitation affordable housing need is relatively evenly distributed in select locations of each of the boroughs, except in Staten Island. Staten Island's percentage distribution of the stock occupied by income-qualified households is one-quarter to one-third that of the other boroughs.
- 3. In terms of absolute numbers, Queens and The Bronx would require more new construction affordable housing need and somewhat less in Manhattan, Brooklyn, and Staten Island. Relatively, as a share of existing income-qualified units, Staten Island has significant (two to three times that of the other boroughs) new construction affordable housing need.

B. Mitigating Affordable Housing Need

- 1. The New York City Real Property Transfer Tax (which is between 1% and 1.5% of value depending upon class of property), if increased by 20% annually, would yield subsidies that would allow approximately 80,000 units annually to no longer be cost-burdened. This is only 8% of total cost-burdened affordable housing need and leaves more than one million units still cost-burdened. Nonetheless, this begins to make a dent in addressing cost-burdened housing need throughout the city.
- 2. Rehabilitation funds are generated by moderate-, middle-, and upper-income households living in units that are not deteriorated, and who are seeking to improve their properties. A 25% increase in the building permit fees for these purposes is dedicated to pay for deteriorated units occupied by low- and moderate-income families. The modeling done in this exercise allows rehabilitation of more units in an area where substantial numbers of high-value, nondeteriorated units exist; thus, more units are able to be rehabilitated in community districts in Manhattan and Brooklyn than in Queens and The Bronx. If the city taps building permit fees for this purpose, the fund could be citywide to allow monies generated from more affluent boroughs to assist in paying for the rehabilitation needs found in the poorer boroughs.

3. Inclusionary zoning, as a portion of the new market housing stock coming on-stream, potentially can produce about 8,500 new affordable housing units. These will be distributed mostly in Manhattan (2,235 units), followed by Brooklyn (1,785 units), Staten Island (1,565 units), Queens (1,533 units), and The Bronx (1,407 units) (Table 2, Col. 6). These are new units added to the stock of housing specifically for households of low and moderate income.

It is clear that affordable housing need in New York City is large. The revenues to address such need, if they can be found, are relatively small. This means that only a small fraction of any category of affordable housing need can be addressed with revenue streams or public policies that appear to be related to affordable housing delivery (inclusionary zoning). Even if New York City is successful in using a portion of the Real Property Transfer Tax to ease cost burden, a portion of building permit fees to address rehabilitation need, and inclusionary zoning to address new construction affordable housing need, significant amounts (>90%) of affordable housing need remain. The city must add a large-scale housing program similar to the Mitchell-Lama housing program. If this is done and only onethird of the units that were built under the Mitchell-Lama program are built, together with the inclusionary component, 50% of future affordable housing need could be addressed. Obviously, this leaves only 10% of cost-burdened housing need addressed and 15% of rehabilitation need addressed, but the future need response would be significant. This is the direction in which New York City should go in the future. 17

2006]

After the reelection of the Public Advocate in 2005 and the results of the CUNY affordable housing study, the New York City Office of the Public Advocate is committed to putting a variety of affordable housing initiatives in place.

REFERENCES

- 1. Robert W. Burchell & Catherine C. Galley, *Inclusionary Zoning: Pros and Cons*, 1 New CENTURY HOUSING 3 (2000), available at http://www.planningcommunications.com/nhc_inclusionary_zon ing viable solution.pdf.
- 2. CITIZENS HOUSING AND PLANNING COUNCIL OF NEW YORK, A PROPOSAL TO ENHANCE TAX AND ZONING INCENTIVES FOR NEW HOUSING PRODUCTION (2002), available at http://www.chpcny.org/taxincent.pdf.
- 3. HOUSING FIRST!, AFFORDABLE HOUSING FOR ALL NEW YORKERS: A REVIEW OF MAYOR BLOOMBERG'S NEW HOUSING MARKET PLACE PLAN (2003), available at http://www.housingfirst.net/pdfs/7-03_report.pdf.
- 4. Arthur C. Nelson & Susan M. Wachter, Growth Management and Affordable Housing, 12 J. AFFORDABLE HOUSING 173 (2003).
- 5. New York CITY RENT GUIDELINES BOARD, 2004 INCOME AND AFFORDABILITY STUDY (2004), available at http://www.housingnyc.com/downloads/research/pdf_reports/ia0 4.pdf.
- 6. NEW YORK CITY RENT GUIDELINES BOARD, 2003 HOUSING SUPPLY REPORT (2003), available at http://www.housingnyc.com/downloads/research/pdf_reports/hsr 03.pdf.
- 7. DENISE PREVITI & MICHAEL H. SCHILL, THE STATE OF NEW YORK CITY'S HOUSING AND NEIGHBORHOODS 2003 (Furman Center for Real Estate and Urban Policy ed., 2003), available at http://www.law.nyu.edu/realestatecenter/CREUP_Papers/state_of_the_city/documents/SOC_2003.pdf.
- 8. THE STEVEN L. NEWMAN REAL ESTATE INSTITUTE, REPORT TO THE NEW YORK CITY PUBLIC ADVOCATE: AFFORDABLE HOUSING IN NEW YORK CITY (2005), available at http://pubadvocate.nyc.gov/policy/documents/TheContextofAffordableHousinginNewYorkCity_000.pdf.
- 9. U.S. CENSUS BUREAU, 2000 CENSUS OF POPULATION AND HOUSING: PUBLIC USE MICRODATA SAMPLE (2003).

2006] AFFORDABLE HOUSING AND REDEVELOPMENT 801

10. U.S. CENSUS BUREAU & U.S. DEPT. OF HOUSING & URBAN DEV., AMERICAN HOUSING SURVEY FOR THE UNITED STATES: 2003 (2004).