



Is Transit-Oriented Development Affordable for Low and Moderate Income Households?

Reid Ewing, Ph.D.
Sadegh Sabouri
Justyna Kaniewska
Hassan Ameli
Wookjae Yang
Fatemeh Kiani
Junsik Kim
Douty Chibamba



Is Transit-Oriented Development Affordable for Low- and Moderate-Income Households?

Final Report

NITC-RR-1328

by

Reid Ewing, Sadegh Sabouri, Justyna Kaniewska, Hassan Ameli, Wookjae Yang, Fatemeh Kiani, Junsik Kim, and Douty Chibamba

University of Utah

for

National Institute for Transportation and Communities (NITC)
P.O. Box 751
Portland, OR 97207



February 2021

| Technical Report Docume | ntation Page | |
|--|---|--|
| 1. Report No. NITC-RR-1328 | 2. Government Accession No. | 3. Recipient's Catalog No. |
| Title and Subtitle Is Transit-Oriented Development Affordab | le for Low- and Moderate-Income Households? | 5. Report Date February 2021 |
| | | 6. Performing Organization Code |
| 7. Author(s) Reid Ewing 0000-0002-4117-3456 Sadegh Sabouri 0000-0003-1130-9719 Justyna Kaniewska Hassan Ameli 0000-0003-0052-0797 Wookjae Yang 0000-0002-6305-3877 Fatemeh Kiani Junsik Kim 0000-0002-5539-9691 Douty Chibamba 0000-0001-6989-398- | 8. Performing Organization Report No. | |
| 9. Performing Organization Name and Add | dress | 10. Work Unit No. (TRAIS) |
| University of Utah Department of City and Metropolitan PI 375 South 1530 East, RM 235 AAC Salt Lake City, UT 84112 | anning | 11. Contract or Grant No. NITC-1328 |
| 12. Sponsoring Agency Name and Address National Institute for Transportation and P.O. Box 751 Portland, OR 97207 | | 13. Type of Report and Period Covered Draft Final August 2019 – August 2021 |
| 15. Supplementary Notes | | 14. Sponsoring Agency Code |
| 15. Supplementary Notes | | |
| 16. Abstract | | |

development (TOD) to the fore, and researchers continue to highlight advantages of this style of well-integrated land use and transportation planning. When it comes to affordability, what counts isn't housing costs alone but the combination of housing plus transportation costs (H+T). If TODs do, in fact, command higher rents due to increased transit accessibility, this creates an issue of social equity, especially if higher housing costs are not offset by transportation-related cost savings. Promoting a development style that limits access for transit-dependent populations by pricing those residents out of the market could potentially be counterproductive. This study (Phase I) assesses rent premiums associated with living in TODs and answers the question of whether TOD-style development is affordable for low- and moderate-income households by first, compiling a complete 100% inventory of free-standing TODs in the U.S. It also identifies measures taken by decision-makers (mainly jurisdictions and transit operators) and TOD developers to make housing affordable for low- and moderate-income households. Our complete inventory has 183 potential TODs within 26 rail-served regions. Among them, 85 TODs within 23 regions meet our TOD criteria. Our analysis reveals that there is a significant level of variability across regions, TODs and individual housing projects within TODs in terms of numbers and shares of designated and naturally occurring affordable units. Overall, one-third of the TODs have units that are naturally affordable to families of two people who earn less than 80% of the area median income, one-fourth of the TODs have such units for families of four people, and only 15% of them offer the same to families of three people. Interestingly, 15% of the projects within TODs are 100% affordable, while 60% of the projects offer either less than 10% or none of their units as affordable. Finally, there are only a few measures designed to specifically promote/ incentivize/ regulate the production of affordable housing in TODs.

| 17. Key Words Transit-Oriented Development, Housing A Moderate-Income Households, Smart Gro | No res | ibution Statement strictions. Copies available from N itc-utc.net | IITC: | |
|---|-----------------------------------|---|------------------|-----------|
| 19. Security Classification (of this report) | 20. Security Classification (of t | this | 21. No. of Pages | 22. Price |
| Unclassified | page) | | 115 | |
| | Unclassified | | | |

ACKNOWLEDGEMENTS

We would like to acknowledge partial support from the National Institute for Transportation and Communities (NITC; grant number 1328), a U.S. DOT University Transportation Center, and the National Science Foundation (NSF; Grant number BCS-123456).

DISCLAIMER

The contents of this report reflect the views of the authors, who are solely responsible for the facts and the accuracy of the material and information presented herein. This document is disseminated under the sponsorship of the U.S. Department of Transportation University Transportation Centers Program in the interest of information exchange. The U.S. Government assumes no liability for the contents or use thereof. The contents do not necessarily reflect the official views of the U.S. Government. This report does not constitute a standard, specification, or regulation.

RECOMMENDED CITATION

Ewing, R., Sabouri, S., Kaniewska, J., Ameli, H., Yang, W., Kiani, F., Kim, J., Chibamba, D. *Is Transit-Oriented Development Affordable for Low- and Moderate-Income Households (in terms of H+T)?*. NITC-RR-1328. Portland, OR: Transportation Research and Education Center (TREC), 2020.

| TABL | E OF CONTENTS | |
|-------------|--|-----|
| EXEC | UTIVE SUMMARY | 1 |
| 1.0 | INTRODUCTION | 3 |
| 1.1 | PROBLEM ADDRESSED AND RESEARCH QUESTIONS | 4 |
| 2.0 | | 6 |
| | TRANSIT-ORIENTED DEVELOPMENT AND THE CONCEPT OF H+T | |
| 2.2 | AFFORDABLE HOUSING STRATEGIES | 7 |
| 3.0 | INVENTORY OF FREE-STANDING TODS ADJACENT TO RAIL STATIONS | 12 |
| | TOD DEFINITION + CRITERIA | |
| 3.2 | IDENTIFYING REGIONS WITH RAIL SYSTEM | 13 |
| 4.0 | ASSESSING HOUSING COSTS FOR LOW- AND MODERATE-INCOME | |
| HOUS | SEHOLDS | 17 |
| 5.0 | AFFORDABLE HOUSING UNITS AND MECHANISMS USED IN TODS | |
| | NUMBER OF AFFORDABLE HOUSING UNITS - SUMMARY OF FINDINGS | |
| | 1.1 Description of Counties and Cities | |
| | 1.2 Number of TODs and Individual Projects within TODs | |
| | .1.3 Designated Affordable Housing | |
| | 1.5 Naturally Occurring Affordability for Different Family Sizes | |
| 5. 5 | .1.6 Overall Numbers and Shares of Affordable Units | 26 |
| | MECHANISMS AND INTERVENTIONS | |
| 6.0 | CONCLUSIONS | |
| 7.0 | REFERENCES | |
| | NDIX A LIST OF POTENTIAL TODS IN RAIL-SERVED REGIONS | |
| | | |
| | NDIX B LIST OF TODS THAT MEET THE EIGHT CRITERIA | |
| | NDIX C MINIMUM PRICE OF APARTMENTS WITHIN TODS | |
| | NDIX D MARKET-RATE HOUSING AFFORDABILITY | |
| APPE | NDIX E EXAMPLES OF MEASURES WITHIN EACH CATEGORY | E-1 |

LIST OF TABLES

| Table 2.1 A summary of affordable housing strategies and tools | 8 |
|--|------|
| Table 3.1 Number of potential TODs in each region (n _{region} = 26) | 14 |
| Table 3.2 Number of potential TODs in each region (n _{region} = 23) | 16 |
| Table 4.1 Affordability of market-rate units to two-, three-, and four-person househousehousehousehousehousehousehouse | olds |
| | 18 |
| Table 5.1 Summary of findings (aggregate level) | 21 |
| Table 5.2 Description of residential projects within TODs by region | 23 |
| Table 5.3 Key affordability numbers by region | 24 |
| Table 5.4 Number of projects by share of affordable units | 26 |
| Table 5.5 State/county/-city level regulatory and policy measures by region | 27 |
| Table 5.6 Regulatory measures - year when implemented and impact on shares o | f |
| income-restricted units | 31 |
| Table 5.7 Categories/ types of mechanisms used to stimulate the production of inc restricted housing | |
| | |

LIST OF FIGURES

None

EXECUTIVE SUMMARY

The transportation and land use planning paradigm is shifting away from segregated uses connected by high-ways and streets to more compact, mixed-use developments connected by high-quality transit. This new paradigm has brought transit-oriented development (TOD) to the fore, and researchers continue to highlight advantages of this style of well-integrated land use and transportation planning. When it comes to affordability, what counts isn't housing costs alone but the combination of housing plus transportation costs (H+T). If TODs do, in fact, command higher rents due to increased transit accessibility, this creates an issue of social equity, especially if higher housing costs are not offset by transportation-related cost savings.

Promoting a development style that limits access for transit-dependent populations by pricing those residents out of the market could potentially be counterproductive. This study assesses rent premiums associated with living in TODs and answers the question of whether TOD-style development is affordable for low- and moderate-income households, defined respectively as 50% and 80% of the AMI. It also identifies measures taken by decision-makers (mainly jurisdictions and transit operators) and TOD developers to make housing affordable for low- and moderate-income households. TODs in this study are characterized by (a) being along commuter, heavy, or light rail lines; (b) being in a region with more than one rail line; and (c) meeting certain other criteria. The development must be master planned and hence with a whole greater than the some of the parts. We are interested in transit-oriented developments, not isolated transit-oriented buildings. This creates the potential for shared parking, internal trips, 24 hour vitality, and other urbanization agglomeration economies. The other criteria are: adjacent or nearly adjacent to rail stations (maximum one block away); dense and multistory; mixed use with residential and commercial (potentially including office uses); pedestrian-friendly with public space; built after rail opened; largely built out; having their own parking facilities (i.e., self-contained parking).

The first two characteristics (a and b) were examined by the authors using the National TOD Database. For the eight criteria, we contacted metropolitan planning organizations, transit operators, and major cities to get a list of potential TODs since they are the most knowledgeable agencies regarding any developments within their region. Our conversation with these agencies has led to a complete inventory of 183 potential TODs within 26 rail-served regions. Among them, 85 TODs within 23 regions meet our eight criteria and our analysis of housing affordability is based on these 85 cases.

Our analysis reveals that there is a significant level of variability across regions, TODs and individual housing projects within TODs in terms of numbers and shares of designated and naturally occurring affordable units. Approximately half of the TODs and individual projects do not offer designated or naturally occurring affordable units (NOAH). In most cases, if a TOD does not have a pool of designated low-income units,

it does offer NOAH units. Only three out 23 regions offer neither – Cleveland, OH; Pittsburgh, PA; and St. Louis, MO.

In general, NOAH units are approximately half as common as designated affordable housing units in TODs; however, there are regions where NOAH units account for the majority of affordable housing (e.g., Dallas, TX). One-third of the TODs have units that are naturally affordable for families of two people who earn less than 80% of the area median income, one-fourth of the TODs have such units for families of four people, and only 15% of them offer the same to families of three people.

Interestingly, 15% of the projects within TODs are 100% affordable, while 60% of the projects offer either less than 10% or none of their units as affordable. Besides, both voluntary and regulatory measures adopted at city, county, and state levels have only limited impact on numbers/ shares of affordable housing, resulting, on average, in 5-15% of affordable units and rarely exceeding 20%. Overall, there are only a few measures designed to specifically promote/ incentivize/ regulate the production of affordable housing in TODs.

In the second phase of this project, we will compare the rent premiums with estimates of transportation cost savings for TOD dwellers, and check to see whether the combination of H+T exceeds affordability standards for different income groups.

1.0 INTRODUCTION

The growing wealth gap in the U.S. makes it essential that decision-makers focus on policies that will limit the effects of cost-of-living increases on the already constrained budgets of lower-income households. The "drive 'til you qualify" paradigm of home buying suggests that, as one moves further away from economic centers, housing costs fall. However, transportation costs also rise correspondingly. American Automobile Association (2020) estimates that it costs more than \$9,561 per year to own and operate an automobile in the United States. Greater reliance on transit can decrease this figure by limiting the number of miles driven, which in turn cuts fuel costs and depreciation of the vehicle's value and reduces the number of vehicles needed per household. Litman (2006) actually found that for working families in 28 U.S. urban areas, transportation costs exceed housing costs.

The transportation and land use planning paradigm is shifting away from segregated uses connected by high-ways and streets to more compact, mixed-use developments connected by high-quality transit. This new paradigm has brought transit-oriented development (TOD) to the fore, and researchers continue to highlight the advantages of this style of well-integrated land use and transportation planning. As noted by Cervero (2004), TOD has gained huge currency in the U.S. as a "means of promoting smart growth, injecting vitality into declining inner-city settings, and expanding lifestyle choices." TOD is promoted, in part, as a way to overcome "drive 'til you qualify" by offering multifamily housing that reduces housing plus transportation (H+T) costs (Hamidi and Ewing, 2015).

Housing costs are reduced through high-density land uses that amortize land costs over more units and uses. Transportation costs are reduced by providing alternatives to private vehicle ownership and use through complementary land uses proximate to transit. These savings accrue, in part, from the availability of high-quality transit and walking opportunities within mixed-use TODs and surrounding neighborhoods. Yet, ironically, all these good effects could be negated if these same accessibility advantages drive up rents to the point where they are no longer affordable for lower-income households. One need only think of TODs in Arlington, VA, or San Francisco, CA, with their clientele of young professionals, to see the potential downside of gentrification.

Based on examples from Salt Lake City, UT, Ewing (2017) argues that transit-oriented development need not displace lower-income residents if it occurs on previous parking lots or defunct commercial properties, which is the case along Salt Lake City's West Side LRT line. He also argues that the addition of moderate- and middle-income residents to gentrifying areas may result in improved public services, increased employment opportunities, and reduced crime, thereby benefiting existing residents. While Ewing (2017) reported on studies showing lower displacement rates in gentrifying areas than non-gentrifying areas, as existing residents sought to remain in these everimproving neighborhoods, he did not address (for lack of data) the impact of rising rents on existing residents of gentrifying neighborhoods.

While TOD can reduce transportation costs for residents with greater access to transit, are these costs then offset by higher rent prices? As we will later elaborate, when it comes to affordability, what counts isn't housing costs alone but the combination of housing plus transportation costs (H+T). If TODs do, in fact, command higher rents due to increased transit accessibility, this creates an issue of social equity, especially if higher housing costs are not offset by transportation-related cost savings. Promoting a development style that limits access for transit-dependent populations by pricing those residents out of the market could potentially be counterproductive.

1.1 PROBLEM ADDRESSED AND RESEARCH QUESTIONS

As mentioned, cities, regions, and the federal government have made sizable investments in supporting the development of TOD over the last three decades. TOD has proven potential to reduce transportation costs by providing transit access and a mix of uses that facilitate internal walking trips. But these benefits may help drive up costs and price out lower-income residents who might benefit the most from the accessibility benefits of TOD. In this study, we will answer first whether TOD-style development capitalizes on increased accessibility by demanding higher rents than what low- and moderate-income households can afford. More importantly, we then compare the rent premiums with estimates of transportation cost savings (in Phase II of the project) for TOD dwellers to see whether the combination of H+T exceeds affordability standards for different income levels. More specifically, this study seeks to answer these questions:

- How do rent premiums associated with access to transit for TOD households directly adjacent to rail stations compare to transportation cost savings associated with TOD transit and walking options?
- How do housing plus transportation costs at TODs directly adjacent of rail stations compare to standards of affordability for low- and moderate-income households in the region?
- What proportion of TODs in the U.S. provides affordable housing units, and what are the relative shares of designated versus naturally occurring affordable units?
- What proportion of the housing units in TODs is affordable? Is the level of affordability the same for families of different sizes?
- What are the mechanisms used by TOD developers or jurisdictions to provide affordable housing? For this question, we identify measures taken by exemplary TOD developers and jurisdictions to make housing affordable for low- and moderate-income households.
- Do all the mechanisms result in a similar level of affordability?
- What proportion of jurisdictions has compulsory/regulatory vs. voluntary measures?

The findings of this study demonstrate the extent to which TOD housing can help fill the affordable housing gap. The shortage of affordable housing for very low-, low-, and moderate-income households is often described as a crisis in our nation. In the Salt Lake City region alone, we lack tens of thousands of affordable units and have multiple TODs under development, with hundreds of apartments coming online. If these are affordable for lower-income households, this could make a sizable dent in the problem.

The remainder of this report is organized as follows: Chapter 2 contains a review of studies on affordability of TODs, as well as affordable housing tools and strategies available to developers. Chapter 3 shows our inventory of free-standing TODs adjacent to rail stations, and Chapter 4 assesses housing costs in these developments for low-and moderate-income households. Chapter 5 examines TODs that have affordable housing units and the mechanisms used to provide them. And, finally, Chapter 6 provides our conclusions. Complete lists of TODs are provided in the appendices.

2.0 LITERATURE REVIEW

2.1 TRANSIT-ORIENTED DEVELOPMENT AND THE CONCEPT OF H+T

In this study, we will explore the role of transit-oriented development in producing affordable housing. TOD has gained huge attention and ongoing popularity with the rapid expansion of rail transit systems in the U.S. in the past few decades (Dong, 2017). Understanding the relationship between TOD and housing affordability requires taking into account two dimensions of affordability that often operate in tension with one another: the potential cost savings of living in a transit-accessible, mixed-use, and walkable location and the willingness of people to pay a premium for that benefit. This trade-off has led to a push to consider both the cost of housing and transportation (H+T) in determining housing affordability (Haas et al., 2008).

Existing research shows that if TOD dwellers take advantage of the transit, walking, and biking options available in TODs. they can economize on transportation costs. This modern development style has been shown to decrease automobile trip generation, lower parking demand, and induce shifts in mode share away from personal vehicles. This finding is supported by the work of Hamidi and Ewing (2015), in which they proposed that higher housing costs in urban cores were more than offset by reciprocal decreases in household transportation spending.

At the same time, using the Panel Study of Income Dynamics, Smart and Klein (2018) found that the location affordability literature "may significantly overstate the promise of cost savings in transit-rich neighborhoods," including TODs. Also, accessibility provided by TOD helps drive up rents, increasing the H in H+T (Boarnet et al., 2017; Sandoval, 2016). TOD typically incorporates high-density, mixed-use development with pedestrian-oriented design features, high-quality public spaces, and physical orientation to transit stations, all of which increase real estate prices (Ewing et al., 2017; Bartholomew & Ewing, 2011). Cervero (1996) found that residents of rail-based projects (TODs) were self-selecting these areas based on accessibility to downtown jobs and were willing to pay higher rents. Overall, a vast body of literature has shown that TODs can promote economic development and increase nearby property values by improving transportation accessibility and offering more livable environments (Ahlfeldt and Wendland, 2009; Duncan, 2011). In fact, in TODs, increase in the property values and tax revenues has helped cities and regions to justify the high cost of building transit infrastructure (Smith and Gihring, 2006; Addison et al., 2012). For a comprehensive list of studies that have shown TODs increase property values, see Ibraeva et al. (2020).

Standard conceptions of housing affordability are related to housing expense as a ratio to household income (Belsky et al., 2005; Bogdon and Can, 1997; Robinson and Hallinan; 2006). The Housing and Urban Development's (HUD) housing affordability standard assumes that housing is "affordable" for a household at a given income level if the cost is less than 30% of household income (Dacquisto and Rodda, 2006). However, recent studies revealed that this housing cost-oriented affordability concept has a

limitation: It fails to capture the trade-off that households make between the cost of housing and the cost of transportation (Hamidi and Ewing, 2015; Litman, 2006).

According to the Bureau of Labor Statistics (2019), housing and transportation are the largest and second-largest expense categories for American families, followed by food. Researchers have proposed new standards, which have been operationalized in tools such as the Housing + Transportation (H+T) affordability index and the Location Affordability Index (LAI). Other researchers have proposed that a combined H+T cost of less than 45% of income (15% for transportation) should be considered affordable (Hamidi et al., 2016).

While the existing studies offer some insight into the nuanced relationship between housing and transportation costs, no study, to our knowledge, has quantified the effect of transit-oriented developments on location affordability using the housing + transportation framework. The closest work that we were able to find was done by Renne et al. (2016). By analyzing 4,399 fixed-route transit station areas across the U.S., the authors found that while TODs are more expensive places to buy and rent housing, they are more affordable than hybrids and transit-adjacent developments (TADs) because the lower cost of transportation offsets housing costs. However, their definition of TOD is based on only two factors: Walk Score of 70+ and a gross housing density of 8+ units per acre. Hybrid stations/developments only meet one of these two criteria.

Further, only a few studies have examined housing prices for residential TODs while controlling for transit-proximity effects (e.g., Duncan, 2011; Mathur and Ferrell, 2013). No one has sorted out these two countervailing effects in the context of TOD to determine (1) which effect is dominant and (2) whether the two together meet standards of affordability for H (30% of household income), T (15% of income), and H+T together (45% of income).

The 30% standard of affordability for housing is generally accepted. The 15% standard of affordability has been used by ourselves and others, including the Center for Neighborhood Technology (CNT). CNT's Housing + Transportation (H+T) Affordability Index has become popular over the past few years. It estimates the average H+T costs for a variety of typical households for every census block group in the U.S. However, this index (and similar ones) have been recently criticized as having some major shortcomings such as aggregation bias and issues with the reliability of the methods (e.g., see Ganning, 2017; Smart and Klein, 2018).

2.2 AFFORDABLE HOUSING STRATEGIES

Table 2.1, adapted from an earlier work of the Metropolitan Research Center at the University of Utah (see Kiani et al., 2020), provides a summary of affordable housing strategies and tools employed nationally and by 10 of Utah's largest cities. It is essential for the readers of this report to know these tools since, as we will show later, a large number of TODs use at least one of these tools to address housing affordability.

Table 2.1 A summary of affordable housing strategies and tools (adapted from Kiani et al., 2020)

| T y p | Tool | Description |
|-----------------|--|---|
| | Federal Housing Tax Credits | The Low-Income Housing Tax Credit and the Historic Tax Credit are the most commonly used programs for the creation of affordable housing units by the federal government. LIHTC supports the majority (approximately 90%) of all affordable rental housing in the U.S. (NYT, 2012). Aside from the federal program, some states also have their own version of a low-income housing tax credit. LIHTC is typically used for the production or the rehabilitation of multifamily housing developments. The sale of tax credits leads to the reduction of the property's mortgage, which consequently lets the property owner offer affordable housing at a lower rent level. |
| Federal Program | Housing Choice Voucher Program (Section 8) | The Housing Choice Voucher Program (HCVP), often known as Section 8, is a rental assistance program by the federal government which was created in the 1970s for increasing affordable, decent, safe and sanitary housing for low-income people. Since its creation, it has been one of the main ways that low-income families with children, the elderly, and people with disabilities can obtain housing stability. This program helps families or individuals afford privately owned rental housing of their choice. Vouchers are either tenant-based, meaning they are given to families or individuals, or project-based, meaning they are tied to a unit or housing complex. For tenant-based vouchers, program participants have to find units that accept vouchers and meet the program's health, safety and other physical condition requirements within 60 days of receiving the voucher. The unit owner also must agree to rent under the program's guidelines. Usually, 30% of the rent is paid by the tenant and the rest is paid by the local public housing agency that manages the household's voucher. |
| Fec | Community Development Block Grants (CDBG) | Community Development Block Grants (CDBG) were enacted in 1974 with the goal of providing funds to cities and counties to tackle the unique challenges they face in their regions. The funds are provided by HUD to meet challenges of affordable housing, infrastructure programs, job and business creation, and other community development activities. There are different forms of CDBG programs. The CDBG Entitlement Program allocates federal funds directly to cities and counties based on population estimates, poverty rates, housing overcrowding, age of housing and other measures. The program aims to offer housing opportunities to low- and moderate-income earning individuals. |
| | USDA Housing Assistance | The U.S. Department of Agriculture (USDA) provides housing support in rural areas in the form of funding and technical assistance. USDA has different programs for individuals and families living in rural communities. Since it targets rural areas, we will not explain it further. |
| | Public Housing | Public Housing is one of the oldest affordable housing strategies in the United States aimed at providing decent and safe rental housing for low-income households. This subsidized assistance is available for eligible households at rents below the market rate, where the tenant pays 30% of income for housing and utilities. Local housing authorities administer and manage public housing in respective regions with funding from HUD. |
| Local: | Waiving/Red ucing Impact Fees | To reduce overall costs of new housing, some cities waive or reduce impact fees associated with affordable housing developments. Some cities employ a sliding scale for fees depending on how affordable the new units are. Units geared toward those earning 30% of AMI might have lower impact fees than units targeting those earning 80% of AMI. Impact fees may also vary based on housing location. Urban infill developments may command a lower fee than developments built in the suburbs or areas where infrastructure may not exist. In Utah, state law |

| | provides guidelines for when cities can waive impact fees. Specifically, a local |
|---------------|---|
| | political subdivision may include a provision in an impact fee ordinance that |
| | provides an impact fee exemption for low-income housing. |
| Tax | Tax abatement is a tool usually employed to promote economic development, |
| Abatement | however sometimes it is also used to stimulate affordable housing development. It |
| | is tax elimination or reduction granted by governments to target growth in certain |
| | targeted communities. |
| Tax | Tax increment financing (TIF) is a popular mechanism for addressing housing |
| Increment | needs, revitalizing blighted neighborhoods, improving infrastructure and utilities, |
| Financing | boosting economic development, commercial activity and job creation. Usually, an |
| Reimbursem | area is designated as eligible for TIF funds when there is little chance of |
| ents | development without government intervention in that area. The area can be a |
| | blighted neighborhood or an underdeveloped one. |
| Local Rent | While federal subsidies are responsible for the majority of rental assistance |
| Supplement/ | programs and are administered through local housing authorities, some local |
| Assistance | governments also provide their own form of rental assistance to low-income |
| Program | families. Short-term programs are most common, vary in duration, and can be |
| | used for emergency housing. They provide critical assistance during periods of |
| | unemployment or other unexpected hardships. |
| Home | Home ownership is the greatest wealth growth asset most people will have in |
| Purchase | their lifetimes. Home purchase assistance programs are designed to make home |
| Assistance | ownership a reality for lower-income people. These programs provide interest- |
| Program | free or low-interest loans available to qualified low- and moderate-income |
| i rogram | homebuyers. To qualify, homebuyers often need to be a first-time homeowner, |
| | have low to moderate income levels based on the local AMI, and intend to use the |
| | home as a primary residence for a certain number of years. These loans can be |
| | used for down payments or closing costs. Some programs even make the loan |
| | forgivable if the property remains the primary residence over a number of years. |
| | These programs can be location-specific, for example, available only to those |
| | near transit stations. |
| Housing | Among the most powerful tools for affordable housing are housing trust funds |
| Trust Funds | (HTFs). HTFs can be operated at the city, county, or state level. They secure |
| | ongoing dedicated public funds for critical housing needs. While there were only a |
| | handful in the late 1970s, the number grew significantly in the 1990s when federal |
| | funds for affordable housing began to shrink. The number doubled in the seven |
| | years between 2000 and 2007, and almost tripled by December 2011, reaching to |
| | 719. At the national level, a HTF was created by Congress in 2008 to complement |
| | existing federal, state, and local efforts to preserve and produce affordable |
| | housing. |
| Community | One of the most common ways of creating permanent affordable housing is a |
| Land Trust | Community Land Trust (CLT). Founders of the Institute for Community Economics |
| (CLT) | developed the CLT model in the 1960s. The first CLT in the United States, New |
| (= -) | Communities, Inc., was established in 1968 in Georgia. Funding in the trust is |
| | used to acquire and retain land that is to be set aside for affordable housing. Land |
| | bought by the trust is kept affordable and sheltered from rising land prices in the |
| | market. Qualified low-income homeowners own title to the house, but typically |
| | have a renewable long-term ground lease. |
| Preservation | Preserving or rehabilitating existing affordable housing is equally as important as |
| of Long-Term | producing new affordable units, and often less expensive since the housing has |
| Affordable | already been built. Since most subsidized affordable housing projects are |
| Housing/Hou | implemented for a limited period, an expiration of those affordability restrictions |
| sing | results in rent increases to market levels. Unsubsidized units are also at risk of no |
| Rehabilitatio | longer being affordable for many reasons, such as a faster increase in housing |
| n Programs | prices than incomes for low-income households and neglected housing |
| Sgrains | maintenance on low-rent units. Housing rehabilitation programs are often operated |
| | maintenance on low-rent units. I busing renabilitation programs are often operated |

| | | Let 19 a Collection of the control o |
|---------------------|--------------|--|
| | | by cities in the form of loans to homeowners who may not be able to pay for |
| | | repairs, maintenance, and upkeep of their homes otherwise. These loans can fund everything from plumbing repair to correcting health and safety issues to |
| | | increasing energy efficiency. |
| | Update | The most common way cities allow for the development of affordable housing is |
| | Zoning Code | through their primary policy tool: zoning. Cities update zoning in a variety of ways. |
| | · · | Upzoning—reducing required lot sizes or allowing higher housing densities (more |
| | | dwelling units per acre)—is a common tactic that incentivizes the development of |
| | | affordable housing because it amortizes the costs of land over more dwelling |
| | | units. If lots are smaller for single-family housing, or single-family housing is |
| | | rezoned for multifamily housing, land costs associated with each unit will be |
| | | lower, making the overall price more affordable. Also, upzoning may result in |
| | | reduced parking requirements, which in turn results in lower housing costs. |
| | | However, just because units are at higher density does not always make them |
| | Density | affordable unless there are also deed restrictions or aggressive city interventions. Density bonuses are incentives for developers to increase the maximum |
| | Bonus | development area or the number of units allowed on a property in exchange for |
| | 2011.00 | the provision of affordable housing. While this tool can be utilized to achieve other |
| | | public policy goals, such as protection of open space and landscaping, density |
| | | incentives are also often used to increase affordable housing supply. A |
| | | precondition that developers must meet is to agree to lower the rent or sale price |
| | | of a portion of the developed units for low-income households. Communities or |
| | | cities can also grant developers a density bonus to promote infill on underutilized |
| | Form-Based | land while improving housing affordability. A form-based code differs from traditional zoning in that it focuses on the form of |
| | Code | development over the use of the land. The form is decided in the context of the |
|)ry | Coue | overall look and feel of a community. These codes stipulate strict standards for |
| atc | | design elements including, but not limited to facades, the relationship of buildings |
| Local: / Regulatory | | to one another, and the scale of buildings and blocks. Beyond defining form, |
| Re | | these coding updates can be used to create zoning regulations that offer by-right |
| ' : | | advantages to developers to reduce the risk and uncertainty incurred by |
| cal | | undertaking affordable housing development projects. Because affordable |
| P | | housing units are less lucrative for developers to build, the form-based code |
| | | advantage is an indirect incentive to affordable and market-rate housing development. |
| | Inclusionary | Inclusionary zoning (IZ) has been applied nationally in the U.S. and established |
| | Zoning | affordable housing amounting to approximately 150,000 units. Ideally, |
| | · · | inclusionary zoning requires developers to build a certain percentage of |
| | | affordable housing units in their market-rate projects. Yet, this can only be |
| | | achieved in strong markets. In weaker markets, affordable housing with |
| | | incentivized opportunities may be a more suitable approach. In strong markets, |
| | | with high demand and a well-assessed policy, inclusionary zoning can help create |
| | | more affordable housing, which might have not been possible and only could be achieved through projects executed by public or non-profit actors. |
| | Reduced | Local zoning codes nearly always require developers of new housing units to |
| | Parking | provide a specified minimum number of parking spaces for area residents and for |
| | Requirement | workers and customers of area businesses. These parking spaces can increase |
| | s | the amount of land required, reduce the number of units that can be built on a |
| | | given parcel, and/or increase the costs of construction, which are often passed on |
| | | to the homebuyer or renter in the form of higher home purchase prices or rents. |
| | | At the same time, as public transit use increases, communities tend to need fewer |
| | | parking spaces than they needed in previous decades. By reducing parking requirements for developments that include affordable housing, localities can |
| | | decrease production costs (permitting, construction, etc.), allowing the |
| | | developments to provide more affordable housing. This may be particularly useful |
| لــــا | | The may be particularly decided |

| | | in dense, high-cost cities where land prices are very high and structured parking |
|----------|-----------------|---|
| | | costs \$25,000 or more per space. |
| | Preserve | Deed restrictions can have terms and conditions related to selling, buying or |
| | Existing | renting property. They refer to a legal agreement that imposes restrictions on real |
| | Deed- | estate. When an owner of a property wants to transfer property, he or she can do |
| | Restricted | so according to the terms and conditions that are indicated in a deed restriction. |
| | Affordable | Deed-restricted affordable housing refers to deeds that can only be transferred to |
| | Housing | individuals earning certain percentages of area median income. In other words, |
| | J | the property buyer must meet the set income requirements and must be able to |
| | | purchase it at an affordable price. |
| | Accessory | One of the simplest and oldest approaches to creating affordable housing is |
| | Dwelling | allowing ADUs, also known as granny flats or mother-in-law-units, near single- |
| | Units (ADUs) | family dwellings. ADUs affectively double the density of development, and being |
| | Cinto (712 Cc) | smaller than the single-family units to which they relate, may have rents that |
| | | affordable for lower-income households. |
| | Expedited | Expedited permitting is an incentive program for affordable housing developments |
| | Permitting | that accelerates, simplifies, or automates the plan review and permit process. Any |
| | rommany | delay occurring in the development process brings additional costs and |
| | | uncertainties in the effort to increase affordable housing, whereas expedited |
| | | permitting allows developers to offset the project cost associated with the |
| | | development process. |
| | Transfer of | Local governments can use TDR, a market-based land use mechanism, for |
| | Development | redirecting growth from a location desired to be preserved (known as 'sending |
| | Rights (TDR) | areas') to a location desired to be developed with higher density (known as |
| | rrigints (TDIV) | 'receiving areas'). These transactions can be strictly between private parties, or |
| | | the local government can act as an intermediary or TDR bank. Typically, TDR |
| | | sending areas are located in rural and resource lands. However, a TDR program |
| | | can be structured to allow urban affordable housing preservation projects to |
| | | |
| | | qualify as a sending site (e.g., mobile home parks, high-rise low-income |
| | | apartments). Affordable housing projects may also be eligible as "receiving sites." |
| | | Residential bonus units may be offered as an incentive for affordable housing. |
| | Employer- | EAH is an employer-provided benefit with the intention of assisting employees |
| | Assisted | become homeowners. The growing spatial mismatch between where job growth |
| | Housing | is taking place and where people can afford to live creates costs for employers as |
| | (EAH) | the local labor pool contracts and employee turnover rises. Employers have a |
| Other | | stake in extending housing affordability and creating housing opportunity while |
| Ħ | | increasing the competitiveness of their businesses and the areas in which they |
| _ | | are located. EAH programs reflect recognition that employers cannot fully |
| <u>a</u> | | externalize the costs of their location or operation in a tight market onto their |
| Social | | employees or the public or nonprofit sectors. |
| Ś | Public- | Partnerships between cities and developers can stimulate targeted development |
| | Private | to address the inadequate supply of affordable workforce housing. |
| | Partnerships | |
| | | |
| | | |

3.0 INVENTORY OF FREE-STANDING TODS ADJACENT TO RAIL STATIONS

To answer the research questions outlined in Chapter 1, we need to first identify and compile a complete (100%) inventory of free-standing TODs adjacent to rail stations in the United States. In fact, this is the first such compilation since Cervero and coauthors produced their Transit Cooperative Research Program (TCRP) 102 report back in 2004. This chapter explains our approach and protocol to compile the inventory, as well as the inventory itself. We will show that, unlike the TCRP 102 report where the authors claimed that more than 100 TODs of various shapes and sizes existed across the country at the time, by applying some strict criteria we were able to locate less than 100 TODs in the country as of today (with many more under construction).

3.1 TOD DEFINITION + CRITERIA

TODs are widely defined as compact, mixed-use developments with high-quality walking environments near transit facilities (Cervero 2004, pp. 5-7). For this study, we limited our sample of TODs to sites developed by a single developer under a master development plan. TODs may also include a clustering of development projects near transit facilities developed by one or more developers pursuant to a master development plan.

The first three criteria used to select TODs for this study are consistent with the definition above. TODs must be:

- (1) Relatively dense (with multi-story development) to generate transit riders,
- (2) Mixed use (with residential, retail, entertainment, and sometime office uses in the same development) to create the potential for shared parking, internal trips, 24 hour vitality, and other urbanization agglomeration economies, and
- (3) Pedestrian-friendly (with streets built for pedestrians as well as autos and transit and with public spaces for social interaction).

We have added four additional criteria to maximize the utility of the sample and data. TODs must be:

- (4) Adjacent or nearly adjacent (within a block) to transit so there is no impedance associated with access to transit.
- (5) Built after a high-quality transit line was constructed or proposed (and hence with a design and parking supply that reflects the availability of high quality transit),
- (6) Fully developed or nearly so to realize TOD's full potential, and
- (7) With self-contained parking.

By self-contained parking, we mean having dedicated parking, in one or more parking garages or lots, for the buildings that comprise the TOD. This criterion is dictated by our need to measure parking demand for the combination of different land uses that comprise the TOD. The criterion precludes TODs in a typical downtown that share public parking with non-TOD uses. This obviously constitutes a limitation on our study's external validity, but one that is self-imposed. In a typical downtown with public parking, it is impossible to tell which parked cars are associated with which land uses. Thus, our findings will be most applicable to the many proposed and self-contained TODs in less urban or more suburban locations.

TODs may also include a clustering of development projects near transit facilities developed by one or more developers pursuant to a master development plan. As one can tell based on these criteria, we seek to identify proposed and "self-contained" TODs, as opposed to a typical downtown where all sorts of dense and mixed-use developments are happening, with some being closer to the rail stations. Note that these criteria come from our earlier work titled "Trip and Parking Generation at TODs" and funded by the National Institute for Transportation and Communities. The requirement that studied TODs have self-contained parking is due to our need for parking generation rates in order to assess transportation (T) affordability.

3.2 IDENTIFYING REGIONS WITH RAIL SYSTEM

As shown in the previous subsection, we only consider development as a TOD if it is adjacent to the rail station (i.e., commuter rail, heavy rail, and light rail stations). The reasons for considering only these three types of transit systems (and hence, excluding other forms of transit such as bus rapid transit, streetcar, and regular bus) are their ability to provide greater accessibility (to jobs and locations), have higher capacity and greater reliability, especially when they are compared with a regular bus. Another exclusion criterion is the number of rail lines that a region has. We exclude regions that have only one rail line because a single line does not represent a high-quality transit network. Our criteria guarantee that our results represent the best case for TOD in the U.S. Adjacency to a rail station, in particular, means that there is virtually no cost/impedance in accessing transit from these developments.

We then used the National TOD Database (www.toddata.cnt.org), which is a project of the Center for Transit-Oriented Development (CTOD), to identify regions that meet the two rail criteria. Overall, 26 regions in the U.S. meet our criteria and are included in this study. For these regions, we contacted metropolitan planning organizations (MPOs), transit operators, and major cities to get a list of potential TODs based on the eight criteria explained in the previous subsection.

We believe these three agencies/organizations in each region have the best knowledge about the region itself and all the TODs that have been built (or are planned to be built). For each agency, the research team sought to contact the person(s) who are involved or have the best knowledge regarding TODs in the region. Planners in most of these

agencies responded to our requests, allowing the researchers to engage in informal conversations via email, telephone, and online platforms (i.e., Zoom).

Unfortunately, when the research team started to contact these agencies, the COVID-19 pandemic hit the U.S. and we experienced a huge delay in receiving responses from these agencies. For some regions, we did not hear back from one or two of the three agencies, although we contacted them multiple times via email and telephone. Having said that, the pandemic has become a windfall for video conferencing platforms such as Zoom, and this actually helped us greatly in identifying TODs. By scheduling a meeting over Zoom and the ability to share screens, planners at these agencies were able to show us the locations of TODs on Google Maps, the story behind the developments, and how and where different phases of development were constructed.

We found that transit operators, MPOs and, in some cases, major cities have one or more persons responsible for TOD projects in the region. Our results, however, show that transit operators have the best knowledge regarding these projects within their regions. For instance, New Jersey Transit has a program called NJ TOD (www.njtod.org) with a dedicated staff with the aim of advancing "the conversation about the potential for development and redevelopment around transit facilities in the state of New Jersey" (see the website). Nevertheless, only a handful of transit operators provide contact information for their staff and divisions. So, in many cases, it was much harder for the research team to find the right person and contact him/her in these agencies. Since there was some level of subjectivity associated with our eight criteria and one or two criteria needed clarifications for some of the planners, we received different lists of TODs from these three agencies in each region. Their lists overlapped greatly but, in general, the most comprehensive lists came from the transit operators. In many cases, our conversations with these agencies resulted in multiple rounds of revisions to our list since we wanted to make sure that (a) we are not omitting any potential TODs, and (b) the suggested TODs clearly meet our eight (or at least the first seven) criteria. In our interview, we also asked questions about any available affordable housing units, which we will discuss in the following chapters. Overall, our complete 100% (or close to 100% since we did not hear back from some of the agencies) inventory of free-standing TODs in the U.S. consists of 183 potential developments. Table 3.1 provides the number of potential TODs in each of the 26 regions. See Appendix A for the complete list of individual developments with their locations.

Table 3.1 Number of potential TODs in each region (n_{region} = 26)

| Region | МРО | Transit Operator | # of Potential TODs |
|-----------------|--------------------------------|---|---------------------------|
| Albuquerque, NM | Mid-Region COG | ABQ Ride | 3 |
| Atlanta, GA | Atlanta Regional Commission | Metropolitan Atlanta Rapid Transit Authority | 1 |
| Austin, TX | Capital Area MPO | Capital Metro Transportation Authority | 3 |
| Baltimore, MD | Baltimore Metropolitan Council | Maryland Transit Administration | 11 |

| Boston, MA | Boston Region MPO | Massachusetts Bay | 12 |
|--|--|---|----------|
| Chicago, IL | Chicago Metropolitan Agency for | Transportation Authority Chicago Transit Authority | 2 |
| emeago, ie | Planning | | |
| Cleveland, OH | Cleveland Urban Area MPO | Greater Cleveland Regional Transit Authority | 4 |
| Dallas, TX | North Central Texas COG | Dallas Area Rapid Transit | 20 |
| • | Denver Regional Council of | Denver Regional | |
| Denver, CO | Governments (COG) | Transportation District | 4 |
| Houston, TX | Houston-Galveston MPO | Houston METRO | 5 |
| · | Southern California Association of | Los Angeles County | |
| Los Angeles, CA | Governments (AOG) | Metropolitan Transportation | 12 |
| | The Miami-Dade Transportation | | |
| Miami, FL | Planning Organization (TPO) ¹ | Miami-Dade County | 7 |
| Minneapolis-St Paul, MN | Metropolitan Council | Metro Transit | 3 |
| New Jersey, NJ North Jersey Transportation Planning Authority (TPA) | | NJ Transit | 21 |
| New York, NY | NY Metropolitan Transportation | New York City Transit | 10 |
| New Tork, IVI | Council | Authority | 10 |
| Orlando, FL | MetroPlan Orlando | SunRail | 4 |
| Philadelphia, PA | Delaware Valley Regional Planning | Southeast Pennsylvania | 10 |
| r illiaucipilia, r A | Commission | Transportation Authority | 10 |
| Pittsburgh, PA | Southwestern Pennsylvania | Port Authority of Allegheny | 3 |
| Fittsburgii, FA | Commission | County | o |
| Portland, OR | Metro Regional Government | TriMet | 5 |
| Sacramento, CA | Sacramento Area COG | Sacramento Regional Transit District | 7 |
| Salt Lake City, UT | Wasatch Front Regional Council | Utah Transit Authority | 6 |
| San Diego, CA | San Diego AOG (aka SANDAG) | San Diego Metropolitan Transit System | 5 |
| San Francisco Bay Area, CA | Metropolitan Transportation Commission (MTC) | Bay Area Rapid Transit | 4 |
| Seattle, WA | Puget Sound Regional Council | King County Metro Transit Department/ Sound Transit | 3 |
| St. Louis, MO | East-West Gateway COG | Metro Transit (St. Louis) | 6 |
| Washington DC | National Capital Region | Washington Metropolitan | 12 |
| Washington DC | Transportation Planning Board | Area Transit Authority | 12 |
| Total | - | - | 183 |

¹ We also contacted South Florida Regional Transportation Authority (also known as Tri-Rail). In fact, in the Miami region, we only heard back from planners at Tri-Rail.

Next, to verify our initial list of potential TOD projects, we reviewed candidate projects to see if they meet the criteria using Google Satellite Imagery and Google Street View. The research team also made site visits to some of these potential TODs (especially in our home region – Wasatch Front) to verify that the criteria are met on the ground. Overall, among 183 potential developments we identified 85 TODs across the country

that clearly meet our criteria. More than half of the developments in our list were excluded as being either under construction or at the planning phase. Table 3.2 shows TODs in each region. See Appendix B for the complete list of 85 TODs with their locations. Note that we lost three regions (i.e., Albuquerque, Chicago, and Orlando) since none of the projects (potential TODs) in these regions meet our eight criteria at the time we are writing this report.

Table 3.2 Number of potential TODs in each region ($n_{region} = 23$)

| Region | # of TODs | Region | # of TODs |
|-------------------------|-----------|----------------------------|-----------|
| Atlanta, GA | 1 | New York, NY | 2 |
| Austin, TX | 2 | Philadelphia, PA | 5 |
| Baltimore, MD | 2 | Pittsburgh, PA | 1 |
| Boston, MA | 7 | Portland, OR | 3 |
| Cleveland, OH | 1 | Sacramento, CA | 3 |
| Dallas, TX | 12 | Salt Lake City, UT | 3 |
| Denver, CO | 2 | San Diego, CA | 3 |
| Houston, TX | 2 | San Francisco Bay Area, CA | 3 |
| Los Angeles, CA | 9 | Seattle, WA | 1 |
| Miami, FL | 2 | St. Louis, MO | 1 |
| Minneapolis-St Paul, MN | 3 | Washington DC | 10 |
| New Jersey, NJ | 7 | Total | 85 |

In the next chapter, we investigate the rent levels at each of the developments and assess whether apartments are affordable for low- and moderate-income households. In the end, it is important to reiterate that this inventory (183 potential TODs) is compiled based on the information provided directly by MPOs, transit operators, and major cities in 26 regions. We acknowledge the fact that there might be other developments that can be considered as "potential" TODs and are not currently on our list. But we tend to stick with the information that we have received from these agencies.

4.0 ASSESSING HOUSING COSTS FOR LOW- AND MODERATE-INCOME HOUSEHOLDS

Once having a complete inventory of free-standing TODs, we identified all apartment projects by name within these TODs and compared rent levels for market-rate and affordable housing to affordability standards. Using interviews with property managers, we established rent levels for market-rate and affordable housing (if any) for all apartments within the projects. Market-rate apartment rents are often posted online, but our interest was also in affordable units.

In this step, we identified all apartment projects by name, checked websites for rent levels, interviewed property managers, and established rent levels for market-rate and below-market-rate affordable housing (if available) for all apartments within these TODs. For each development, we asked for the lowest prices of studio, one-bedroom, twobedroom, and three-bedroom apartments (if available); the total number of units; and the number of affordable housing units with their rent levels. Table 4.1 shows the affordability of market-rate units within the 85 TODs in 23 regions for two-, three-, and four-person households. The first two columns dedicated to each household size show the lowest available market-rate rents in each region based on the number of bedrooms. The next two columns show the affordability of the lowest priced units to households of two-, three- and four-persons, respectively. The prices are shown as ranges, with a minimum and a maximum price, as different TODs in a given region, and individual projects within any TOD have different lowest-price levels for various apartment sizes. Table 4.1, instead of showing just one lowest price for a region, shows ranges of lowest rents across all TODs within a region. In Appendix C, we have provided a complete list of rent levels per development. It required massive resources to compile such a complete inventory.

Table 4.1 shows that individual projects within TODs across regions have been built over the past 30 years (1992-2020). However, the majority of them were built over the past decade. In the next chapter, we will explain that the TODs that were built earlier have fewer affordable units. Note that many of these TODs consist of only one apartment building (e.g., Riverfront at Cranford Station in New Jersey), while others have several, often developed and managed by the same entity (e.g., Orenco Station in Portland). In fact, 66 TODs consist of just one project (with either a single or multiple buildings).

For the analysis shown in Table 4.1, an assumption was made that two-person families can occupy studios or one-bedroom apartments; four-person families are eligible for two-bedroom apartments; and three-person families can occupy either one- or two-bedroom apartments. Generally, the rule "two per bedroom plus one" is used, which means that three people can legally live in a one-bedroom apartment, and two people can live in a studio.

Table 4.1 Affordability of market-rate units to two-, three-, and four-person households as of July 2021

| Two-p | | | | | households ¹ Three-person | | | | | Four-person households | | | | |
|--------------------------|----------------------------|-------------|--|---------|--|------|--|---------|---|------------------------|--|---------|------|------|
| Regions Years TODs Built | | | Ranges for lowest rents across TODs for studios and 1-bedroom apartments Rents as share of 30% of moderate-income (80%) limit per month | | Ranges for lowest rents across TODs for 1- and 2- bedroom apartments | | Rents as share of 30% of moderate- income (80%) limit per month | | Ranges for lowest rents across TODs for 2- bedroom apartments | | Rents as share of 30% of moderate- income (80%) limit per month | | | |
| | | | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| 1 | Atlanta, GA | 2007 | \$1,020 | \$1,070 | 74% | 78% | \$1,070 | \$1,480 | 69% | 95% | \$1,4 | 480 | 86 | % |
| 2 | Austin, TX | 2015, 2019 | \$1,5 | 545 | 98 | 3% | \$1,545 | \$2,285 | 87% | 128% | \$2,2 | 285 | 116 | 6% |
| 3 | Baltimore, MD | 2004, 2020 | \$17 | '50 | 10 | 9% | \$1,750 | \$2,065 | 97% | 115% | \$1,890 | \$2,065 | 95% | 103% |
| 4 | Boston, MA | 2004 - 2013 | \$2,300 | 3,685 | 144% | 182% | \$2,338 | \$4,780 | 130% | 210% | \$3,045 | \$4,780 | 152% | 189% |
| 5 | Cleveland, OH | 2018 | \$1,5 | 560 | 12 | 4% | \$1,560 | \$2,475 | 110% | 175% | \$2,4 | 475 | 157 | 7% |
| 6 | Dallas, TX | 1998 - 2020 | \$750 | \$2,142 | 53% | 150% | \$850 | \$3,382 | 53% | 211% | \$1,100 | \$3,382 | 62% | 190% |
| 7 | Denver, CO | 2001, 2013 | \$1,5 | 541 | 96 | 5% | \$1,541 | \$1,905 | 86% | 106% | \$1,905 | | 95 | % |
| 8 | Houston, TX | 2016, 2018 | \$1,216 | \$1,819 | 96% | 144% | \$1,395 | \$2,499 | 98% | 175% | \$1,718 | \$2,499 | 108% | 158% |
| 9 | Los Angeles, CA | 2000 - 2018 | \$1,707 | \$3,995 | 90% | 211% | \$2,032 | \$4,153 | 95% | 195% | \$2,420 | \$4,153 | 102% | 176% |
| 10 | Miami, Fl | 2011, 2019 | \$1,802 | \$2,356 | 125% | 163% | \$2,356 | \$3,207 | 145% | 197% | \$3,2 | 207 | 177% | |
| 11 | Minneapolis St Paul, MN | 2011, 2013 | \$1,138 | \$1,472 | 71% | 92% | \$1,405 | \$1,759 | 78% | 98% | \$1,689 | \$1,759 | 85% | 88% |
| 12 | New Jersey, NJ | 2005 - 2017 | \$1,595 | \$2,700 | 105% | 169% | \$1,650 | \$3,215 | 92% | 175% | \$1,875 | \$3,215 | 94% | 157% |
| 13 | New York, NY | 2003 - 2019 | \$1,75 <u>9</u> | \$2,548 | 97% | 141% | \$1,759 | \$3,062 | 86% | 150% | \$2,315 | \$3,062 | 102% | 135% |
| 14 | Philadelphia, PA | 2013 - 2018 | \$1,275 | \$1,866 | 84% | 123% | \$1,275 | \$2,675 | 75% | 157% | \$1,542 | \$2,675 | 82% | 142% |
| 15 | Pittsburgh, PA | 2019 | \$2,2 | 248 | 16 | 6% | \$2,248 | \$3,439 | 147% | 225% | \$3,4 | 439 | 203 | 3% |
| 16 | Portland, OR | 2004 - 2019 | \$920 | \$1,754 | 59% | 113% | \$1,190 | \$2,753 | 68% | 158% | \$1,325 | \$2,753 | 69% | 142% |
| 17 | Sacramento, CA | 2005 - 2017 | \$1,550 | \$1,750 | 107% | 121% | \$1,750 | \$2,500 | 107% | 153% | \$2, | 500 | 138 | 3% |
| 18 | Salt Lake City, UT | 2011 - 2020 | \$1,219 | \$1,667 | 83% | 113% | \$1,219 | \$2,186 | 73% | 132% | \$1,370 | \$2,186 | 74% | 119% |
| 19 | San Diego, CA | 1997 - 2007 | \$1,992 | \$2,700 | 103% | 139% | \$1,992 | \$2,800 | 91% | 128% | \$2,053 | \$2,800 | 85% | 115% |
| 20 | San Francisco Bay Area, CA | 2004 - 2020 | \$2,050 | \$2,517 | 94% | 115% | \$2,200 | \$3,452 | 89% | 140% | \$3,010 | \$3,452 | 110% | 126% |
| 21 | Seattle, WA | 2011 - 2018 | \$1,356 | \$1,790 | 75% | 99% | \$1,679 | \$2,880 | 82% | 141% | \$2,465 | \$2,880 | 109% | 127% |
| 22 | St. Louis ² | 2007 | n/ | a | n | /a | n, | /a | n, | ′a | n/ | ′a | n/ | a |
| 23 | Washington, DC | 1992 - 2019 | \$1310 | 2,375 | 80% | 144% | \$1,310 | \$3,612 | 71% | 195% | \$1,810 | \$3,612 | 88% | 176% |

¹ Colorized cells indicate that market-rate units are affordable, at least in some TODs of that region.
² In St. Louis, we only have one TOD. Unlike other TODs, this TOD only has a condominium, and hence, it is not possible to provide any minimum price.

Table 4.1 shows market-rate rent ranges for each of the 23 regions and affordability for families of various sizes earning no more than 80% of the area median income (AMI). AMI data is published annually by the Department of Housing and Urban Development (HUD) for every county and metropolitan area in the U.S. In this project, we found the corresponding county of each of the TODs and used HUD's website (see https://www.huduser.gov/portal/datasets/) to record the most recent AMI (also known as median family income).

According to HUD, housing that costs no more than 30% (sometimes also referred to as one-third) of a household's income is considered to be "affordable" for that household. This benchmark has become so popular that online real estate marketplace companies like Zillow and Trulia provide minimum income suggested for each of the properties posted online for rent. Note that housing costs differ for owners and renters. For renters, the focus of this research, costs include rent and tenant-paid utilities (except telephone and cable).

One limitation of this research lies in its inability to account for the cost of utilities. In most places, a great portion (if not all) of utilities (e.g., water, sewerage, gas, and electricity) are paid by tenants. A typical U.S. family spends \$2,060, on average, per year (or \$172 per month) for utility bills (Bailey, 2016). This value can certainly be higher in some regions and states and lower in others. It also varies greatly with households' preferences and lifestyles. Hence, since it is not possible for the research team to acquire such data, our analysis of housing costs relies solely on rent levels.

Households are also divided based on their gross income and size. Moderate-income households mean households who earn at least 80% of the AMI (maximum 120%). On the other hand, low-income households earn (at least) 50% of the AMI (maximum 80%), and very/extremely low-income households are the ones who earn less than 50% of the AMI. The AMI values vary greatly with household size. For instance, a moderate-income household with four members should have a gross income of \$73,750 or higher in Salt Lake County, while this value for a two-person household is \$59,000.

Table 4.1 shows availability only for moderate-income families. Note that none of the 85 TODs offer market-rate units available to families earning less than 50% of the AMI (i.e., very low-income). What can be easily seen is the significant variability of the lowest rent levels, which can be as low as 53% of the low-income HUD limit (Dallas, TX) and as high as 225% of that limit (Pittsburgh, PA). More importantly, within a single region the lowest rents can vary from as low as 53% of HUD's low-income limits to 211% of the limit. Fourteen of 23 regions have at least some market-rate units available to households of two persons who earn no more than 80% of AMI, while 11 regions have them available for moderate-income families of four persons. Almost all regions have some market-rate units available to three-person, moderate-income households, but this is true only for one-bedroom units. Only a handful of regions (i.e., eight) have two-bedroom units affordable for these families.

As expected, in some regions like Boston, Los Angeles, or San Francisco, apartment units are priced much higher than in other regions, which makes sense since all of them are among the most expensive cities [and regions] in the U.S. (Goetz, 2021). However, apart from being highly priced in absolute terms, apartments in these cities are also significantly more expensive when compared to local area median incomes and the HUD-established income limits. In Boston, the lowest-priced apartment across all categories is 30% more expensive than HUD-allowed limits for low-income households. Note that three-bedroom units are mostly in luxury apartments and their rent levels in some regions are extremely high (e.g., see Linea Apartments in Los Angeles). Overall, three-bedroom apartment units are quite rare and hence, we will not focus on them in this study.

If we run the analysis based on the average of rent levels within each region, one can conclude that, on average, market-rate housing is not very affordable for low- and moderate-income households. We will not show the results here since rent levels vary greatly from one development to another and from one region to another. Hence, findings of this aggregate level of analysis might be inaccurate and misleading. In the next chapter, we explain (in much greater detail) that at the individual TOD level, a considerable number of individual properties are affordable for low- and moderate-income households.

Interestingly, more than half of the TODs in these 23 regions provide at least a small portion of affordable housing units. This is a very promising finding. In the next chapter, we will describe the total number of residential units; the total number of affordable units and their share; and mechanisms used by the developer, city, and/or region to provide affordable housing units.

In the end, it should be noted that our analysis in the first phase of the project is merely based on housing costs. As we described in the literature review, affordability should be measured with respect to H (housing) + T (transportation) costs. In the second phase of this project, we will assess the transportation costs of households living within TODs. We might find that households' T costs are much lower than the 15% standard and can offset the housing premium associated with TODs. This means that these households can spend more than 30% of their gross income on housing up to a certain amount that the sum of H+T costs is still under the 45% ceiling.

5.0 AFFORDABLE HOUSING UNITS AND MECHANISMS USED IN TODS

5.1 NUMBER OF AFFORDABLE HOUSING UNITS - SUMMARY OF FINDINGS

As described in the previous chapter, in this project we focus on 85 TODs in 23 regions and try to answer how many of them offer affordable housing (low-income housing, income-restricted housing, or workforce housing). Furthermore, our objective is also to understand the driving mechanisms behind the provision of affordable units.

These 85 TODs are located in 42 counties and further in 51 cities – the significance of this fact will be explained in greater detail in the following subsections. The 85 TODs are home to 117 individual projects. As shown in Table 5.1, in total the analyzed TODs offer 35,614 housing units, of which 4,641 (13%) are designated as affordable, low-income, or restricted-income units. In addition, approximately 2,600 units (7%) are NOAH (Naturally Occurring Affordable Housing) at the low- or moderate-income level. Overall, about 20% of units can be considered affordable based on HUD-established income limits for the year 2021 (income limits that determine eligibility for an assisted housing program).

We have found that roughly half of the TODs (51%) and less than half of the 117 individual projects (44%) have some number of designated affordable housing units. Similarly, NOAH units were found in 40% of TODs and 36% of individual projects.

Table 5.1 Summary of findings (aggregate level)

| Table of Calliniary | | . J | 3.03 | | | | |
|--------------------------------|--------|-----|---|--|--|--|-----|
| Regions | 23 | | # of designated Affordable Housing ¹ units | 4,641 | | % of TODs with designated AH units | 51% |
| # of TODs | 85 | | % of designated Affordable Housing units | % of designated Affordable Housing units 13% % of projects with designated AH unit | | % of projects with designated AH units | 44% |
| # of counties | 42 | | # of Naturally Occurring Affordable Housing | 2,630 | | % of TODs with NOAH units | 40% |
| # of cities/ municipalities | 51 | | % of Naturally Occurring Affordable Housing | 7% | | % of projects with NOAH units | 36% |
| # of projects | 117 | | Total # of Affordable Housing units | 7,271 | | | |
| Total # of units | 35,614 | | % of Affordable Housing | 20% | | | |

¹Also called low-income housing, restricted-income housing, or workforce housing

5.1.1 Description of Counties and Cities

As mentioned above, studied TODs are located in 42 counties and in 51 cities, which is important to establish due to the fact that most regulatory and legislative mechanisms are designed at the city level, and only a few at the county and state levels. Thus, within one region, different TODs might be subject to different requirements regulating the

production of affordable housing, as in fact is the case in Denver (CO), Bay Area (CA), New York (NY), Boston (MA), Portland (OR), Washington (D.C.), Dallas (TX), Philadelphia (PA) and Minneapolis-St. Paul (MN). This illustrates how highly fragmented the regulatory efforts designed to stimulate the production of affordable housing are.

5.1.2 Number of TODs and Individual Projects within TODs

The number of TODs in each region, as well as individual projects/developments within each TOD, vary greatly. As shown in Table 5.2, and as of July 2021, five regions (22%) have only one TOD; six regions (26%) have two TODs; six regions (26%) have three TODs; and the remaining six regions have four to 15 TODs. Furthermore, an overwhelming number of 66 (78%) TODs consist of one project. However, there are also as many as seven separate projects within one TOD (for example, at Orenco Station in the Portland metro region).

It needs to be noted that one project does not necessarily mean one single building. For the purpose of this study, we define a project as a separate, self-contained building complex with a separate name and a unique legal and marketing identity. Different individual projects are usually (but not necessarily) built by different developers in different years, and thus are subject to different affordable housing requirements. Some may have been built by nonprofit developers or community development corporations (CDCs), and others on city-owned land, which greatly affects their propensity to offer both designated and naturally occurring affordable units. In short, some projects within a given TOD may offer low-income units while others don't.

It must also be noted that for the purpose of this study, we strongly adhered to our predefined criteria and counted only those projects located in closest proximity to transit - a light rail/ metro station - thus often departing from local authorities' definitions of TODs. This means that the number of projects quoted for each of the TODs in many cases are lower than those reported by local governments and transit operators.

5.1.3 Designated Affordable Housing

Designated affordable housing units, also referred to as low-income housing, incomerestricted housing or workforce housing, result from either regulatory requirements imposed by city/county/state authority or voluntary participation in city/county-run programs and policies. They may also be produced as a result of joint projects conducted by a commercial or nonprofit developer and any number of local government agencies such as, but not limited to, parking authorities, economic development authorities, city/county departments of transportation, housing bureaus, and public universities. In such instances, the projects receive some amount of public funding.

As collected data indicates (Table 5.2 and Table 5.3), 43 out of 85 TODs offer designated affordable units. The overall share of such units amounts to 13% of the total stock. This means that 42 TODs (49%) do not have any designated low-income units. When it comes to regions, six (26%) of them do not have any designated incomerestricted units; further, five regions (22%) have less than 10% of their stock designated

Table 5.2 Description of residential projects within TODs by region

| | Regions | # of TODs | # of counties | # of cities/ municip alities | # of projects | Total # of units | # of designated Affordable Housing units | % of designated Affordable Housing units | # of Naturally Occurring Affordable Housing | % of Naturally Occurring Affordable Housing ¹ | Total # of Affordable Housing units | % of Affordable Housing units |
|----|-------------------------------|--------------|------------------|---------------------------------------|------------------|---------------------|--|--|---|--|--|--|
| 1 | Atlanta, GA | 1 | 1 | 1 | 1 | 364 | 0 | 0% | 55 | 15% | 55 | 15% |
| 2 | Austin, TX | 2 | 1 | 1 | 2 | 1091 | 141 | 13% | 20 | 2% | 161 | 15% |
| 3 | Baltimore, MD | 2 | 2 | 2 | 2 | 368 | 0 | 0% | 12 | 3% | 12 | 3% |
| 4 | Boston, MA | 7 | 2 | 2 | 8 | 2208 | 177 | 8% | 0 | 0% | 177 | 8% |
| 5 | Cleveland, OH | 1 | 1 | 1 | 1 | 272 | 0 | 0% | 0 | 0% | 0 | 0% |
| 6 | Dallas, TX | 12 | 5 | 8 | 19 | 6026 | 100 | 2% | 1550 | 26% | 1650 | 27% |
| 7 | Denver, CO | 2 | 1 | 2 | 2 | 789 | 351 | 44% | 31 | 4% | 382 | 48% |
| 8 | Houston, TX | 2 | 1 | 1 | 2 | 672 | 0 | 0% | 18 | 3% | 18 | 3% |
| 9 | Los Angeles, CA | 9 | 1 | 2 | 12 | 4640 | 583 | 13% | 14 | 0.3% | 597 | 13% |
| 10 | Miami, Fl | 2 | 1 | 1 | 2 | 760 | 466 | 61% | 0 | 0% | 466 | 61% |
| 11 | Minneapolis St Paul, MN | 3 | 2 | 2 | 3 | 466 | 108 | 23% | 143 | 31% | 251 | 54% |
| 12 | New Jersey, NJ | 8 | 6 | 8 | 10 | 2722 | 126 | 5% | 7 | 0.3% | 133 | 5% |
| 13 | New York, NY | 2 | 2 | 2 | 3 | 1168 | 241 | 21% | 28 | 2% | 269 | 23% |
| 14 | Philadelphia, PA | 4 | 2 | 2 | 4 | 1149 | 53 | 5% | 84 | 7% | 137 | 12% |
| 15 | Pittsburgh, PA | 1 | 1 | 1 | 1 | 319 | 0 | 0% | 0 | 0% | 0 | 0% |
| 16 | Portland, OR | 3 | 2 | 2 | 13 | 2984 | 512 | 17% | 163 | 5% | 675 | 23% |
| 17 | Sacramento, CA | 3 | 1 | 1 | 3 | 231 | 81 | 35% | 0 | 0% | 81 | 35% |
| 18 | Salt Lake City, UT | 3 | 1 | 2 | 5 | 1221 | 333 | 27% | 180 | 15% | 513 | 42% |
| 19 | San Diego, CA | 3 | 1 | 1 | 3 | 605 | 43 | 7% | 19 | 3% | 62 | 10% |
| 20 | San Francisco Bay Area, CA | 3 | 2 | 2 | 5 | 1617 | 515 | 32% | 20 | 1% | 535 | 33% |
| 21 | Seattle, WA | 1 | 1 | 1 | 3 | 818 | 251 | 31% | 36 | 4% | 287 | 35% |
| 22 | St. Louis | 1 | 1 | 1 | 1 | 70 | 0 | 0% | 0 | 0% | 0 | 0% |
| 23 | Washington, DC | 10 | 4 | 5 | 12 | 5054 | 560 | 11% | 250 | 5% | 810 | 16% |
| | Total | 85 | 42 | 51 | 117 | 35,614 | 4,641 | 13% | 2,630 | 7% | 7,271 | 20% |

¹ Numbers of NOAH are approximations only as prices change dynamically and the analysis was performed based on units available for rental in July, 2021

Table 5.3 Key affordability numbers by region

| | Regions | # of TODs | # of projects | # of TODs with designated AH units | # of projects with designated AH units | # of TODs with NOAH | # of projects with NOAH | affordable | DDs with NOA e to various f | | affordabl | jects with NO e to various f | |
|----|-------------------------------|--------------|------------------|---|---|---------------------------|----------------------------------|------------|--------------------------------|----------|-----------|---------------------------------|----------|
| | | | | | | | | 2-person | 3-person | 4-person | 2-person | 3-person | 4-person |
| 1 | Atlanta, GA | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | Austin, TX | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 3 | Baltimore, MD | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 4 | Boston, MA | 7 | 8 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Cleveland, OH | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Dallas, TX | 12 | 19 | 1 | 1 | 11 | 14 | 11 | 4 | 9 | 13 | 4 | 10 |
| 7 | Denver, CO | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 |
| 8 | Houston, TX | 2 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 9 | Los Angeles, CA | 9 | 12 | 7 | 7 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 10 | Miami, Fl | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Minneapolis St Paul, MN | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 12 | New Jersey, NJ | 8 | 10 | 5 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 13 | New York, NY | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 14 | Philadelphia, PA | 4 | 4 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 |
| 15 | Pittsburgh, PA | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Portland, OR | 3 | 13 | 3 | 4 | 3 | 4 | 3 | 2 | 2 | 4 | 2 | 2 |
| 17 | Sacramento, CA | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Salt Lake City, UT | 3 | 5 | 1 | 2 | 2 | 3 | 2 | 1 | 1 | 3 | 1 | 2 |
| 19 | San Diego, CA | 3 | 3 | 2 | 2 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| 20 | San Francisco Bay Area, CA | 3 | 5 | 3 | 5 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 21 | Seattle, WA | 1 | 3 | 1 | 3 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | 0 |
| 22 | St. Louis | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Washington, DC | 10 | 12 | 7 | 9 | 3 | 5 | 3 | 1 | 1 | 5 | 1 | 1 |
| | Total | 85 | 117 | 43 | 51 | 34 | 42 | 31 | 13 | 21 | 38 | 13 | 23 |
| | | | | 51% | 44% | 40% | 36% | 36% | 15% | 25% | 32% | 11% | 20% |

asnaffordable, four regions (17%) fall between 10% and 20%, and the remaining eight regions have between 20% and 61% of their units assigned as affordable. The two regions with by far the highest share of designated affordable units in their TODs (44% and 66%) are Denver, CO, and Miami, FL (Table 5.2).

5.1.4 Naturally Occurring Affordable Housing

Naturally Occurring Affordable Housing (NOAH) refers to residential rental properties that maintain low rents without federal subsidy, and have not been built in response to city/county/state regulations or policies or as a result of some development agreement that included such a requirement. As noted above, approximately 7% of all housing units within studied TODs can be categorized as NOAH. However, this number has been approximated based on the availability of units at certain rent levels as of July 2021 and cannot be treated as permanent.

As the actual number of NOAH units may vary greatly from time to time depending on a large number of external circumstances, the number and share of individual projects offering them are more relevant and worth noting. As depicted in Table 5.2 and Table 5.3, in July 2021 40% of the TODs and 36% of the individual projects had NOAH units in their stock, and the total number of NOAH units accounted for 7% of the overall stock. This means that 60% of the TODs did not have any NOAH units as of July of 2021. Yet, as was the case with designated affordable units, there is significant variability across regions. Six regions (26%) do not have any NOAH units, 13 regions (57%) have less than 10% of their stock naturally affordable, and in the remaining four regions, between 15% and 31% of the units can be characterized as NOAH. The region with by far the highest number of NOAH units (approximately 1,550 units) is Dallas, TX (Table 5.2).

In general, NOAH units are approximately half as common as designated affordable housing units in TODs. However, there are few regions where NOAH units account for a majority of affordable housing (e.g., in Dallas, TX).

5.1.5 Naturally Occurring Affordability for Different Family Sizes

We have compared the affordability of NOAH units for two-, three-, and four-person families across regions, TODs and individual projects. As shown in Table 5.3, most of the available NOAH units across all TODs and projects are affordable for two-person families, and the smallest share of them is affordable for three-person families. To be more precise, 38 individual projects within 31 TODs in 14 regions offer NOAH to families with two people. At the same time, only 13 projects within 13 TODs in eight regions offer NOAH to families of three people. NOAH affordability for four-person families lies between the two extremes. This means that three-person households find it significantly more difficult to find an affordable unit in TODs than families of two or four persons.

In conclusion, about one-third of the TODs have units that are naturally affordable for families with two people that earn no more than 80% of the area median income (AMI), while one-fourth of the TODs are affordable for families with four people and only 15% of them offer naturally affordable two-bedroom units for families with three people.

5.1.6 Overall Numbers and Shares of Affordable Units

As aggregate numbers show (Table 5.2), combined numbers of designated and naturally occurring affordable units sum up to 20% of the total number of units available within studied TODs and projects. However, this number cannot be attributed equally to all TODs, as significant disparities in the allocation of affordable housing (both designated and naturally occurring) occur across regions, TODs, and individual projects. Across regions, shares of affordable units in studied TODs vary from 0% (e.g., St. Louis, MO, and Cleveland, OH) to as high as 54% (i.e., Minneapolis-St. Paul, MN) and 61% (i.e., Miami, FL).

In most instances, the difference between high and low percentages of affordable units lies with single projects that are designated 100% affordable. As an example, in St. Paul, MN, Hamline Station East & West project offers all of its 108 units as affordable and was developed by a nonprofit developer called Project for Pride in Living, in cooperation with the HOME Investment Partnerships Program and using Low-Income Housing Tax Credit (LIHTC) funding. In Miami, FL, on the other hand, it is a widely known and lauded case of Brownsville Transit Village in which all of the 466 units are designated as affordable. The project was brought to life by a public-private partnership between Carlisle Development Group (affordable housing developer) and Miami-Dade Transit Authority. It was built on an underutilized, city-owned, eight-acre parking lot and financed with LIHTC. As shown in Table 5.4, only 14% of the projects are 100% affordable, while 60% of the projects offer either less than 10% or none of their units as affordable.

Table 5.4 Number of projects by share of affordable units

| % of affordable units | # of projects | % of projects |
|-----------------------|---------------|---------------|
| 100% | 16 | 14% |
| 21-99% | 15 | 13% |
| 10-20% | 28 | 24% |
| <10% | 21 | 18% |
| 0% | 37 | 32% |
| Total | 117 | - |

5.2 MECHANISMS AND INTERVENTIONS

In order to gain a deeper understanding of mechanisms driving production of affordable housing, we have reviewed a large number of municipal, county and state websites, zoning codes, policy guidelines, websites of various transit operators as well as guidelines and reports prepared by them. We have used LIHTC databases as well as other programs' databases that monitor affordable units. We have looked at transit-oriented development and housing affordability status reports prepared by various governing bodies, as well as tax credit allocation memos written by city and state officials. We have examined various types of mechanisms and interventions – both regulatory and voluntary, bottom-up and top-down approaches – that lead to/stimulate/necessitate the production of affordable units. Our findings suggest that:

1. There is a very large range of interventions (both regulatory and incentivebased) utilized at city and county levels, and very few at state and national levels.

Most policies and regulations are initiated at the city level, with few operating at the county or state level (see Table 5.5). As a result of missing overarching strategies and guidelines, the efforts to regulate affordable housing production are highly fragmented and depend mostly on the bottom-up, both public and private initiatives. These interventions can be further categorized into regulatory and voluntary, bottom-up and top-down, as well as public and private which we will illustrate later in Table 5.7. In addition, there are only a few single measures designed specifically to promote/incentivize/regulate the production of affordable housing in TODs.

Table 5.5 State/county/city level regulatory and policy measures by region

| | Regions | State level AH | County level | City level AH |
|----|----------------------------|-----------------------|--------------------------|-----------------------|
| | | measures ¹ | AH measures ¹ | measures ¹ |
| 1 | Atlanta, GA | | | V |
| 2 | Austin, TX | | | V |
| 3 | Baltimore, MD | | | √ |
| 4 | Boston, MA | | | 1 |
| 5 | Cleveland, OH | | | |
| 6 | Dallas, TX | | | V |
| 7 | Denver, CO | √ | | V |
| 8 | Houston, TX | | | |
| 9 | Los Angeles, CA | | | V |
| 10 | Miami, FI | | | V |
| 11 | Minneapolis St Paul, MN | | | V |
| 12 | New Jersey, NJ | √ | | |
| 13 | New York, NY | | √ | 1 |
| 14 | Philadelphia, PA | | | 1 |
| 15 | Pittsburgh, PA | | | √ |
| 16 | Portland, OR | | | √ |
| 17 | Sacramento, CA | | √ | √ |
| 18 | Salt Lake City, UT | | | |
| 19 | San Diego, CA | | | 1 |
| 20 | San Francisco Bay Area, CA | | | √ |
| 21 | Seattle, WA | | | √ |
| 22 | St. Louis | | | |
| 23 | Washington, DC | _ | | V |

¹ Both voluntary and regulatory measures: regulations, ordinances, policies, programs, requirements, etc.

2. Generally, there is a large number of different regulations, policies, and approaches that are highly localized, context-dependent, and fragmented.

The highly localized and voluntary approach to promoting and supporting the creation of affordable housing leads to a patchy implementation, with some cities and counties offering multiple solutions and policies and others having none. On

the other hand, it seems that regulatory measures being adopted by an increasing number of cities and/or counties might have a very limited impact on the numbers of affordable units in TODs (more on this subject below).

3. There has been increased public involvement through city- and statewide policy/regulatory measures. Over the past few years, a significant number of cities and states have adopted both voluntary and regulatory measures to ensure sufficient production of affordable units. However, most of them were adopted after a significant share of TODs and developments studied in this project had already been completed.

Table 5.6 shows that a significant majority of projects examined in this study (marked in green) had been built before local governments adopted ordinances and policies that <u>require</u> new multifamily projects above a certain threshold of the total number of units to set aside a certain share of their units as income-restricted. Only 32 of 117 projects (27%) were subject to any affordable housing requirement put in place by the city/county/state when they were planned and built. Furthermore, even now 23 out of 51 cities (45%) where the projects are located do not have any regulatory requirements regarding the production of income-restricted units.

It is important to reiterate that we have a total of 183 potential TODs in the country (see Chapter 3). As of now, only 85 of them meet our eight criteria (most are either being constructed or at the planning phase). Hence, these voluntary and regulatory measures will be or can be adopted in these *emerging* TODs. A natural extension of this research can be an evaluation of these new TODs that are being constructed.

4. Regulatory measures seem to have a very limited impact on the number of affordable units offered in TODs and are less effective than bottom-up voluntary and targeted programs, policies and actions.

As shown in Table 5.6, so far there has been little correlation between regulatory requirements and the actual production of affordable housing. In regions with the highest shares of designated affordable housing – Denver, CO (44%), Miami, FL (61%), Sacramento, CA (35%), and Bay Area, CA (32%) – projects that provide affordable units did not do so in adherence to city/county level regulatory requirements but rather used other bottom-up measures. More specifically:

<u>Brownsville Transit Village in Miami, FL</u> (466 units in total) was a product of a public-private partnership between Carlisle Development Group (an affordable housing developer) and Miami-Dade Transit Authority. It was financed with Low-Income Housing Tax Credit (LIHTC) equity and partially built on an underutilized, eight-acre. city-owned parking lot.

Mariposa Apartments in Denver, CO (351 units in total) were built by the Denver Housing Authority using public funding (HOPE VI).

<u>La Valentina Apartments in Sacramento, CA</u> (81 units in total) were built by a developer specializing in affordable housing (Domus Development), using Low-Income Housing Tax Credit (LIHTC) equity, a loan from the city through the -

Table 5.6 Regulatory measures - year when implemented and impact on shares of income-restricted units

| | Regions | # of TODs | # of projects | # of cities/ municipal ities | Y | Year each project completed | | | ed | Year city/county/ state requirements¹ adopted | # of projects that were subject to city/county/state requirements ¹ when built | # of cities that were subject to city/county/state requirements ¹ in July 2021 | % of designated Affordable Housing units |
|----|-------------------------|--------------|------------------|---------------------------------------|------|-----------------------------|------|------|------|---|---|---|--|
| 1 | Atlanta, GA | 1 | 1 | 1 | 2007 | | | | | 2018 | 0 | 1 | 0% |
| 2 | Austin, TX | 2 | 2 | 1 | 2015 | 2019 | | | | n/a | 0 | 0 | 13% |
| 3 | Baltimore, MD | 2 | 2 | 2 | 2004 | 2020 | | | | n/a | 0 | 0 | 0% |
| 4 | Boston, MA | 7 | 8 | 2 | 2004 | 2006 | 2008 | 2009 | 2013 | 2019 | 0 | 1 | 8% |
| 5 | Cleveland, OH | 1 | 1 | 1 | 2018 | | | | | n/a | 0 | 0 | 0% |
| 6 | Dallas, TX | 12 | 19 ² | 8 | 1998 | 2001 | 2003 | 2005 | 2008 | n/a | 0 | 0 | 2% |
| | | | | | 2009 | 2012 | 2014 | 2015 | 2016 | | | | |
| | | | | | 2017 | 2018 | 2019 | 2020 | | | | | |
| 7 | Denver, CO | 2 | 2 | 2 | 2001 | 2013 | | | | 2013 | 0 | 1 | 44% |
| 8 | Houston, TX | 2 | 2 | 1 | 2016 | 2018 | | | | n/a | 0 | 0 | 0% |
| 9 | Los Angeles, CA | 9 | 12 ³ | 2 | 2000 | 2003 | 2006 | 2007 | 2009 | 2001, 2020 | 1 | 2 | 13% |
| | | | | | 2010 | 2012 | 2014 | 2017 | 2018 | | | | |
| 10 | Miami, Fl | 2 | 2 | 1 | 2011 | 2019 | | | | 2018 ⁴ | 0 | 0 | 61% |
| 11 | Minneapolis St Paul, MN | 3 | 3 ² | 2 | 2011 | 2013 | | | | 2020 | 0 | 1 | 23% |
| 12 | New Jersey, NJ | 8 | 10 | 8 | 2005 | 2009 | 2011 | 2012 | 2013 | 1999 | 10 | 8 | 5% |
| | | | | | 2015 | 2016 | 2017 | | | | | | |
| 13 | New York, NY | 2 | 3 ² | 2 | 2003 | 2008 | 2015 | 2019 | | 2013, 2014 | 2 | 2 | 21% |
| 14 | Philadelphia, PA | 4 | 42 | 2 | 2013 | 2014 | 2018 | | | n/a | 0 | 0 | 5% |
| 15 | Pittsburgh, PA | 1 | 1 | 1 | 2019 | | | | | 2019 ⁵ | 0 | 1 | 0% |
| 16 | Portland, OR | 3 | 13 | 2 | 2004 | 2008 | 2009 | 2014 | 2015 | 2017 | 3 | 1 | 17% |
| | | | | | 2016 | 2018 | 2019 | | | | | | |
| 17 | Sacramento, CA | 3 | 3 ² | 1 | 2005 | 2012 | 2017 | | | 2014 | 1 | 1 | 35% |
| 18 | Salt Lake City, UT | 3 | 5 | 2 | 2011 | 2013 | 2017 | 2018 | 2020 | n/a | 0 | 0 | 27% |
| 19 | San Diego, CA | 3 | 3 | 1 | 1997 | 2005 | 2007 | | | 2019 | 0 | 1 | 7% |
| 20 | San Francisco Bay Area, | 3 | 5 ⁶ | 2 | 2004 | 2010 | 2016 | 2018 | 2019 | 2014, 2016 | 3 | 2 | 32% |
| | CA | | | | 2020 | | | | | | | | |
| 21 | Seattle, WA | 1 | 3 | 1 | 2011 | 2017 | 2018 | | | 2019 | 0 | 1 | 31% |
| 22 | St. Louis | 1 | 1 | 1 | 2007 | | | | | n/a | 0 | 0 | 0% |
| 23 | Washington, DC | 10 | 12 ² | 5 | 1992 | 1997 | 2005 | 2008 | 2010 | 1974, 2009 | 12 | 5 | 11% |
| | | | | | 2013 | 2016 | 2018 | 2019 | | 1 | | | |
| | | 85 | 117 | 51 | | | | | | | 32 | 28 | 13% |

¹Top-down regulatory policies, ordinances, programs, requirements established by cities/ counties/

² Some projects built the same year

³ Some projects built the same year; Pasadena passed an Inclusionary Housing Ordinance in 2001

⁴The Inclusionary Zoning (IZ) Ordinance applies only to the Omni Community Redevelopment Agency (CRA) district
⁵ Inclusionary Zoning Program applies only to Lawrenceville section of Pittsburgh ⁶ Different Phases of individual projects completed in different years

HOME Investment Partnerships Program, tax increment financing, and a SMUD (Sacramento Municipal Utility District) grant.

Fruitvale Village (Phase 1, 2 and 3) in Bay Area, CA (285 units in total) was developed by The Unity Council (nonprofit Social Equity Development Corporation, CDC), EBALDC (East Bay Asian Local Development Corporation), and BRIDGE Housing (nonprofit developer) on Bay Area Rapid Transit or BART's (the transit operator in Bay Area) parking lots using Tax Increment Financing and other forms of public funding. The public funds came from the City of Oakland, Alameda County, the State of California, the Oakland Housing Authority. Federal Home Loan Bank of San Francisco, California Municipal Finance Authority, MUFG Union Bank, Citi, and U.S. Bank. The project received \$6,350,000 through the procurement contract with the Alameda County Community Development Agency that utilized Measure A1 Bond funds; the Unity Council and BRIDGE Housing were also awarded \$30M from the AHSC (Affordable Housing and Sustainable Communities) grant program, a competitive grant from the State of California Strategic Growth Council, awarded to projects that help create holistic communities with affordable housing and transportation options near jobs and other vital destinations.

<u>Avalon Walnut Creek in Bay Area, CA</u> (84 units in total) was built using Low-Income Housing Tax Credit (LIHTC) equity and funding from the Contra Costa County Redevelopment Agency;

Mural at MacArthur in Bay Area, CA (90 units in total) was built by BRIDGE Housing (a nonprofit developer); BRIDGE Housing was selected to develop a former surface parking lot at the MacArthur BART station into an affordable apartment building. Right from the beginning, the MacArthur transit village project envisioned creation of 146 units of affordable housing (20% of the total number of units), which was in line with BART's Transit-Oriented Development Policy adopted in June 2016 and later amended in April 2020. This project received \$37 million in California State (Proposition C1) funds.

In addition, each and every one of the inclusionary zoning/housing ordinances/ programs offers a "payment in lieu option," which allows developers to pay a fee into an Affordable Housing Fund instead of providing actual on-site units. Based on the data collected, one may conclude that in many cases, developers opt for this alternative. Developers also have a choice of partially fulfilling an affordable housing requirement by providing some affordable units and contributing a fee for the rest of the required units. For instance, at Flats at Wheaton Station located in Wheaton, MD, the developer was required to provide 30 Moderately Priced Dwelling Units (MPDUs) at the Flats and an additional 10 for-sale MPDUs in another project. The developer, however, chose to provide only 15 MPDUs at the Flats and paid \$574,000 instead of providing the 10 for-sale MPDUs and 15 additional rental units. It needs to be noted, however, that this study was not intended nor designed to analyze the efficacy of various measures designed to promote production of income-restricted housing.

5. All of the TOD projects that are 100% affordable (100% of the units are affordable to households earning no more than 80% of AMI) rely on multiple measures and often receive public funding as well as utilize various zoning relief, fee waivers, and tax exemptions.

In principle, fully affordable projects are not a built-in response to city/county/state regulations but rather are a product of private-public cooperation involving a varied number of participants, and usually utilize a wide range of both private and public funding sources. In general, they are complex endeavors requiring a high level of commitment and involvement.

Out of 16 projects that are 100% affordable (Table 5.4), of which four are described in the previous section (Mariposa Apartments in Denver, CO; Brownsville Transit Village in Miami, FL; La Valentina Apartments in Sacramento, CA; Mural at MacArthur in Bay Area, CA):

- Nine were built using Low Income Housing Tax Credit (LIHTC) equity;
- Ten were built by CDCs (community development corporations) and nonprofit developers, and one was built by the Denver Housing Authority;
- At least 12 projects utilized a wide range of public funding sources;
- Four were built on city-owned property;
- Fourteen were built after the year 2010; and
- Three consisted only of NOAH.
- 6. Over the past few years, there has been a growing number of policies adopted by transit agencies that support and incentivize the production of affordable housing near transit stations.

Massachusetts Bay Transportation Authority (MBTA), LA Metro, and BART, just to name a few, all have adopted policies and guidelines that address the issue of affordable housing near transit stations on property owned by transit operators. Even though most of the policies are vague and do not commit to specific numbers, some indeed set specific targets. BART's Transit-Oriented Development Policy sets a target for all projects built on BART-owned property of 35% of all units to be affordable, with a priority to very low (<50% AMI), low (51-80% AMI) and/or transit-dependent populations (BART, n.d.). New Jersey's Transit Village Initiative, established by NJ Transit and the New Jersey Department of Transportation (NJDOT), requires all new residential buildings constructed within transit villages to set aside at least 20% of the units for low- and moderate-income families. This requirement is waived for municipalities that have met the state's fair share requirements for affordable housing (HUD, 2010).

7. Generally, newer projects have a larger share of affordable units.

When projects built 10-15 years ago are compared to the ones built recently or are currently under construction, generally a relatively higher share of projects offer affordable units, and the share of affordable units within a given development is higher.

Table 5.7 Categories/types of mechanisms used to stimulate the production of income-restricted housing

| abio on o | 1100 | ories/types of mechanisms used to stimulate the produ HOUSING AFFORDAE | | |
|---------------|------|---|---|--|
| | Vo | luntary | | gulatory |
| Top- down | 1 | City level policies: | 1 | Inclusionary Zoning/ Housing Ordinances (City level) |
| Examples | | Boston (MA) - Inclusionary Development Policy (2000) | | Denver (CO) - Inclusionary Housing Ordinance (2013) |
| - | | Los Angeles (CA) -TOC (Transit Oriented Communities) | | Oakland (CA) - Affordable Housing Impact Fees Ordinance (2016) |
| | | Affordable Housing Incentive Program (2017) | | Seattle (WA) - Mandatory Housing Affordability Policy (2019) |
| | | Los Angeles (CA) - Density Bonus Ordinance (2006) | | Walnut Creek (CA) - Inclusionary Housing Ordinance (2014) |
| | | Washington (DC) - Affordable Dwelling Unit (ADU) Program | | Sacramento (CA) - Mixed Income Housing Ordinance (2015) |
| | | Austin (TX) - 'Affordability Unlocked' Development Bonus | | Los Angeles (CA) - Inclusionary Housing Ordinance (2020) |
| | | Program (2018) | | Miami (FL) - Inclusionary Zoning (IZ) Ordinance |
| | | Dallas (TX) - Mixed-Income Development Bonus (2019 Ordinance) | | Yonkers (NY) - Affordable Housing Ordinance (2013) |
| | | Fort Worth (TX) - Neighborhood Empowerment Zones (NEZ) | | Medford (MA) - Inclusionary Zoning Ordinance (2019) |
| | | Philadelphia (PA) - Mixed-income housing bonus (2018) | | Portland (OR) - Inclusionary Housing Policy (2017) |
| | | , | | Washington (DC) - Inclusionary Zoning (IZ) Program (2009) |
| | 2 | State laws | | Baltimore (MD) - Inclusionary Housing Requirements (2007) |
| | | Colorado - Bill HB21-1117 (2021) | | Atlanta (GA) - Inclusionary Zoning (IZ) Program (2018) |
| | | California - State Density Bonus Law | | San Diego (CA) - Inclusionary Housing Ordinance (2019) |
| - | | Virginia - Affordable Dwelling Unit Ordinance (1990; | | Minneapolis (MN) - Inclusionary Zoning Requirements (2020) |
| | | Virginia Law) | | |
| | | - | 2 | County and state level programs/ regulations: |
| | | | | New Jersey: Affordable Housing Obligations / Housing Element |
| | | | | And Fair Share Plan |
| | | | | Suffolk County, NY - Code Section 424-45(C); Core Development |
| | | | | Zone (CDZ) (2014) |
| | | | | Montgomery County, MD - Moderately Priced Dwelling Units |
| | | | | MPDUs) Program; Workforce Housing Program |
| | | | | |
| | | | | |
| Bottom- up | 1 | Tax credit policies and programs: | 1 | Public Housing; HOPE VI funding |
| Examples | | Seattle (WA) - Multifamily Property Tax Exemption (MFTE) | | Denver Housing Authority - Denver, CO (Mariposa Apartments) |
| | | Program (1998) | | Prosper Portland (Portland Development Commission) - Portland, |
| | | Tax Increment Financing - Sacramento, CA (La Valentina); | | OR, (Lents Commons Apartments) |
| | | Murray, UT (Murray Depot, Metro at Fireclay, Avida Apartments); | | |
| | | Dallas, TX (Lancaster Urban Village) | 2 | Private-public partnerships: |
| | | Low-Income Housing Tax Credit (LIHTC) - Sacramento, CA | | Long Island Housing Partnership - New York, NY (Wyandanch |
| | | (La Valentina); Washington, DC (Wheaton Station); | | Village) |
| | | Austin, TX (Plaza Saltillo); Dallas, TX (Lancaster | | The District of Columbia real estate project under the Office of |

| | Urban Village); Philadelphia, PA (Paseo Verde South Apartments) | | the Deputy Mayor for Planning and Economic Development - |
|---|--|---|---|
| | | | Washington, DC (Highland Park, Park Place at Petworth Metro) |
| 2 | | | |
| | BART's (Bay Area Rapid Transit) Transit-Oriented Development | 3 | Public Funding: |
| | Policy | | HOME funds from the Washington County Office of Community |
| | MBTA's (Massachusetts Bay Transportation Authority) | | Development - Portland, OR (Orchards at Orenco) |
| | Transportation Oriented Development Initiative | | Grants from OHCS (Oregon Housing and Community Services) - |
| | | | Portland, OR (Orchards at Orenco) |
| 3 | Discretionary fees abatement/ waivers: | | Grants from The City of Seattle Office of Housing - Seattle, WA |
| | Real Estate Tax Abatement - Washington, DC (Highland Park, | | (Mercy Othello Plaza) |
| | Park Place at Petworth Metro) | | Grants/ funding from Contra Costa County Redevelopment |
| | | | Agency - Bay Area (CA) (Avalon Walnut Creek) |
| 4 | Private non-profit developers and CDCs (Community | | Redevelopment Agency (CRA) Programs - Los Angeles, CA (160 |
| | Development Corporations): | | Vine) |
| | Mercy Housing - Seattle, WA (Mercy Othello Plaza) | | City of San Diego Redevelopment Agency Subsidy - |
| | The Unity Council (Social Equity Development Corporation, CDC) | | San Diego, CA (The Village at Morena Vista) |
| | Oakland, CA (Fruitvale Village Phase 1, 2 and 3) | | |
| | EBALDC (East Bay Asian Local Development Corporation) - | | |
| | Oakland, CA (Fruitvale Village Phase 2) | | |
| | BRIDGE Housing (non-profit developer) - Bay Area, CA | | |
| | (Fruitvale Village Phase 3; Mural at MacArthur Station) | | |
| | DEVCO (New Brunswick Development Corporation) - | | |
| | New Jersey, NJ (Gateway Transit Village) | | |
| | Carlisle Development Group (affordable housing developer) - | | |
| | Miami, FL (Brownsville Transit Village) | | |
| | CDC of Long Island, WCDC (Wyandanch) - New York, NY | | |
| | (Wyandanch Village) | | |
| | REACH Community Development - Portland, OR (Orchards at | | |
| | Orenco) | | |
| | City Wide Community Development Corporation - Dallas, TX | | |
| | (Lancaster Urban Village) | | |
| | Catalyst Urban Development, LLC - Dallas, TX (Lancaster Urban | | |
| | Village) | | |
| | Asociacíon Puertorriqueños en Marcha (APM) - Philadelphia, PA | | |
| | (Paseo Verde South Apartments) | | |
| | 7 | | |
| 5 | Preferential land sale/ lease: | | |
| | Buildings located on BART's parking lots - Bay Area (CA) | | |

| (Fruitvale Village Mural at MacArthur) | |
|---|--|
| 99-year ground lease from Portland Housing Bureau - Portland. | |
| OR (The Vera Riverplace at South Waterfront) | |
| Preferential long-term land lease from Capital Metro - Austin, TX | |
| (Plaza Saltillo) | |
| Buildings located on city (Dallas) owned property - Dallas, TX | |
| (Lancaster Urban Village) | |
| | |

Examples of measures within each category (e.g., top-down measures) are provided in Appendix E.

6.0 CONCLUSIONS

Housing affordability has been one of the most persistent national concerns in the United States, mainly because housing costs are the biggest item in most household budgets. Urban sprawl has been proved by some studies to be a driver of housing affordability. Previous studies, however, were structurally flawed because they considered only costs directly related to housing and ignored the transportation costs associated with a remote location.

In this study, we focus on the affordability of TODs in the U.S., first by compiling a complete 100% inventory of free-standing TODs. Overall, we found 183 potential TODs, while less than half of them (85) meet our eight criteria described in Chapter 3. Among the remaining ones (98), most of them are either under construction or in the planning phase. This clearly shows that the TOD style of development is gaining popularity among decision-makers and developers.

In this phase of the project, we assessed housing costs in these 85 TODs, and in the second phase, we will examine H+T together. To sum, our results show that:

- There is a significant level of variability across regions, TODs and individual projects in terms of numbers and shares of designated and naturally occurring affordable units.
- 2. Approximately half of the TODs and individual projects do not offer designated or naturally occurring affordable units. In most cases, if a TOD does not have a pool of designated low-income units, it does offer NOAH units. Only three out 23 regions offer neither Cleveland (OH), Pittsburgh (PA), and St. Louis (MO).
- 3. In general, NOAH units are approximately half as common as designated affordable housing units in TODs; however, there are regions where NOAH units account for the majority of affordable housing (Dallas, TX).
- 4. One-third of the TODs have units that are naturally affordable to families of two persons who earn less than 80% of the area median income, one-fourth of the TODs have such units for families of four people, and only 15% of them offer the same to families of three people.
- 5. Only 15% of the projects/developments are 100% affordable, while 60% of the projects offer either less than 10% or none of their units as affordable housing.
- 6. Both voluntary and regulatory measures adopted at city, county, and state levels have only limited impact on numbers/shares of affordable housing, resulting, on average, in 5-15% of affordable units and rarely exceeding 20%.
- 7. Top-down regulatory measures seem to have a very limited impact on the number of affordable units offered in TODs and are less effective than bottom-up voluntary and targeted programs, policies and actions.

- 8. Only 32 out 117 projects (27%) were subject to any affordable housing requirement put in place by the city/county/state when they were planned and built. Furthermore, even now, 23 out of 51 cities (45%) do not have any regulatory requirements regarding the production of income-restricted units.
- 9. Of all 117 examined projects/developments, only 16 were 100% affordable, meaning that all the units were affordable to households earning up to 80% of AMI. Most of these 16 projects were built by nonprofit developers or community development corporations, utilized public and/or LIHTC funding, and were built after 2010.
- 10. There are only a few measures designed to specifically promote/incentivize/ regulate the production of affordable housing in TODs.

In this project, we focus mostly on analyzing the data and drawing conclusions, and hence, we do not propose any recommendations. In fact, it would be very difficult to recommend any specific housing affordability measures described in the previous chapter since we have not looked at their effectiveness. Assessing the effectiveness of these measures can be a natural follow-up study.

Nevertheless, we have noticed that there are only a few measures in a few regions specifically designed to promote/incentivize/regulate the production of affordable housing in TODs: (1) BART's Transit-Oriented Development Policy (other transit operators' policies are too vague) and (2) (indirectly) Bay Area's Assembly Bill (AB) 2923. Generally, transit operators can play a huge role in enforcing the production of affordable housing because, in many cases, they own the land. So, it seems a natural first step to make sure that all the lands owned by transit operators are developed as joint projects and that all transit operators adopt affordable housing policies which regulate, among other things, the creation of affordable housing by such joint projects. In addition, decision-makers should make sure that all developments and projects located on public property or the usage of public funding are required to provide a certain number/share of affordable housing, like LIHTC, which is the single-most important measure for the creation of affordable housing.

7.0 REFERENCES

Adams, J. S., & Vandrasek, B. J. (2007). Transportation as catalyst for community economic development.

Ahlfeldt, G.M., Wendland, N., (2009). Looming stations: valuing transport innovations in historical context. Econ. Lett. 150, 97–99.

Atkinson-Palombo, C. (2010). Comparing the capitalisation benefits of light-rail transit and overlay zoning for single-family houses and condos by neighbourhood type in metropolitan Phoenix, Arizona. Urban Studies, 47(11), 2409-2426.

Bailey, A. (2016). Breaking Down the Typical Utility Bill. Retrieved from: https://www.energystar.gov/products/ask-the-expert/breaking-down-the-typical-utility-bill, Accessed on May, 2021.

Baker, D. M., & Lee, B. (2017). How Does Light Rail Transit (LRT) Impact Gentrification? Evidence from Fourteen U.S. Urbanized Areas. Journal of Planning Education and Research, 0739456X17713619.

BART. (n.d.). Retrieved from AB 2923 Implementation: https://www.bart.gov/about/business/tod/ab2923

BART. (n.d.). TOD Guidelines and Procedures. Retrieved from https://www.bart.gov/about/business/tod/guidelines

Bartholomew, K., & Ewing, R. (2011). Hedonic price effects of pedestrian-and transitoriented development. Journal of Planning Literature, 26(1), 18-34.

Belsky, E. S., Goodman, J., & Drew, R. B. (2005). Measuring the nation's rental housing affordability problems. Joint Center for Housing Studies, Graduate School of Design [and] John F. Kennedy School of Government, Harvard University.

Boarnet, M. G., Bostic, R., & Williams, D. (2017). Affordable Housing in transit-oriented developments: impacts on driving and policy approaches (No. CA17-2983). National Center for Sustainable Transportation.

Bogdon, A. S., & Can, A. (1997). Indicators of local housing affordability: Comparative and spatial approaches. Real Estate Economics, 25(1), 43-80.

Boston Planning & Developmen Agency. (n.d.). Retrieved from Inclusionary Development Policy: 2019 Update: http://www.bostonplans.org/planning/planning-initiatives/inclusionary-development-policy-2019-update

Brown, A. E., Blumenberg, E., & Taylor, B. (2016). A taste for Transit? Analyzing public Transit use trends among youth. Journal of Public Transportation, Vol. 19, No. 1

Center for Transit-Oriented Development (CTOD), and Center for Neighborhood Technology (CNT). (2006). The affordability index: a new tool for measuring the true affordability of a housing choice. The Urban Markets Initiative, Market Innovation Brief.

Cervero, R. (2004). Transit-oriented development in the United States: Experiences, challenges, and prospects (Vol. 102). Transportation Research Board.

Cervero, R., & Arrington, G. B. (2008). Vehicle trip reduction impacts of transit-oriented housing. Journal of Public Transportation, 11(3), 1.

Cervero, R., Murphy, S., Ferrell, C., Goguts, N., Tsai, Y. (2004) Transit-oriented development in the United States: Experiences, challenges, and prospects (Report No. 102) Transit Cooperative Research Program, Washington, DC (2004)

Cervero, R., Radisch, C,. (1996). Travel choices in pedestrian versus automobile oriented neighborhoods. Transport Policy, Vol. 3, No. 3, pp. 127-141.

City of Austin. (n.d.). Retrieved from Affordability Unlocked Development Bonus Program: https://www.austintexas.gov/department/affordability-unlocked-development-bonus-program

City of Oakland. (n.d.). Code of Ordinances. Retrieved from Chapter 15.72 - AFFORDABLE HOUSING IMPACT FEES:

https://library.municode.com/ca/oakland/codes/code_of_ordinances?nodeId=TIT15BUC O_CH15.72AFHOIMFE

City of Portland. (n.d.). Retrieved from Inclusionary Housing: https://www.portland.gov/phb/inclusionary-housing#toc-about-the-program

City of Seattle. (n.d.). Retrieved from Multifamily Tax Exemption: https://www.seattle.gov/housing/housing-developers/multifamily-tax-exemption

Dacquisto, D. J., & Rodda, D. T. (2006). Housing impact analysis. U.S. Department of Housing and Urban Development, Office of Policy Development and Research.

Dong, H. (2017). Rail-transit-induced gentrification and the affordability paradox of TOD. Journal of Transport Geography, 63, 1-10.

Dong, H. (2021). Evaluating the impacts of transit-oriented developments (TODs) on household transportation expenditures in California. Journal of Transport Geography, 90, 102946.

Dong, H., Hansz, J.A., (2016). The geography of the recent housing crisis: the role of urban form. Hous. Policy Debate 26 (1), 150–171.

Duncan, M. (2011). The impact of transit-oriented development on housing prices in San Diego, CA. Urban studies, 48(1), 101-127.

- Duncan, M., (2011). The impact of transit-oriented development on housing prices in San Diego, CA. Urban Stud. 48 (1), 101–127.
- Ewing, R., & Bartholomew, K. (2013). Pedestrian & Transit-Oriented Design. Urban Land Institute.
- Ewing, R., Tian, G., Lyons, T., & Terzano, K. (2017). Trip and parking generation at transit-oriented developments: Five U.S. case studies. Landscape and Urban Planning, 160, 69-78.
- Ewing, R., Tian, G., Lyons, T., & Terzano, K. (2017). Trip and Parking Generation at Transit-Oriented Developments: Five U.S. Case Studies. Landscape and Urban Planning, 160, 69-78.
- Ewing, R., Tian, G., Park, K., Sabouri, S., Stinger, P., & Proffitt, D. (2019). Comparative case studies: trip and parking generation at Orenco Station TOD, Portland region and Station Park TAD, Salt Lake City region. Cities, 87, 48-59.
- Ewing, R., Tian, G., Park, K., Stinger, P., & Proffitt, D. (2019). Comparative Case Studies: Trip and Parking Generation at Orenco Station TOD, Portland Region and Station Park TAD, Salt Lake City Region. Cities, 87, 48-59.
- Ganning, J. P. (2017). It's good but is it right? An under-the-hood view of the location affordability index. Housing Policy Debate, 27(6), 807-824.
- Goetz, L. (2021). Top 10 Most Expensive Cities in the U.S. Retrieved from: https://www.investopedia.com/articles/personal-finance/080916/top-10-most-expensive-cities-us.asp, Accessed on June, 2021.
- Haas, P. M., Makarewicz, C., Benedict, A., & Bernstein, S. (2008). Estimating transportation costs by characteristics of neighborhood and household. Transportation Research Record, 2077(1), 62-70.
- Hamidi, S., & Ewing, R. (2015). Is sprawl affordable for Americans? Exploring the association between housing and transportation affordability and urban sprawl. Transportation Research Record: Journal of the Transportation Research Board, (2500), 75-79.
- Hamidi, S., Ewing, R., & Renne, J. (2016). How Affordable Is HUD Affordable Housing?. Housing Policy Debate, 26(3), 437-455.
- Hamidi, S., Kittrell, K., & Ewing, R. (2016). Value of Transit as Reflected in US Single-Family Home Premiums: A Meta-Analysis. Transportation Research Record: Journal of the Transportation Research Board, (2543), 108-115.
- Harrell, R., Brooks, A., & Nedwick, T. (2010). Preserving Affordability and Access in Liveable Communities: Subsidized Housing Opportunities Near Transit and the 50+ Population. AARP Public Policy Institute.

Hess, D. B., & Almeida, T. M. (2007). Impact of proximity to light rail rapid transit on station area property values in Buffalo, New York. Urban studies, 44(5-6), 1041-1068.

HUD. (2010, September). Retrieved from Affordable Housing in New Jersey's Transit Villages: https://archives.huduser.gov/rbc/archives/newsletter/vol9iss5_1.html lbraeva, A., de Almeida Correia, G. H., Silva, C., & Antunes, A. P. (2020). Transit-oriented development: A review of research achievements and challenges. Transportation Research Part A: Policy and Practice, 132, 110-130.

Immergluck, D. (2009). Large redevelopment initiatives, housing values and gentrification: the case of the Atlanta Beltline. Urban Studies, 46(8), 1723-1745.

Jia, W., & Wachs, M. (1999). Parking requirements and housing affordability: Case study of San Francisco. Transportation Research Record: Journal of the Transportation Research Board, (1685), 156-160.

Kahn, M. E. (2007). Gentrification Trends in New Transit-Oriented Communities: Evidence from 14 Cities That Expanded and Built Rail Transit Systems. Real Estate Economics, 35(2),155-182.

Kiani, N., Choi, D., Dillon, A., Kim, J., Siddiq, F., Ewing, R., & García, I. (2020). Affordable housing strategies: State-of-the practice in ten Utah cities. Salt Lake City, UT: Metropolitan Research Center at the University of Utah. http://mrc.cap.utah.edu/wp-content/uploads/sites/8/2015/12/Affordable-Housing-Guide 20200720.ss .pdf

Renne, J. L., Tolford, T., Hamidi, S., & Ewing, R. (2016). The cost and affordability paradox of transit-oriented development: A comparison of housing and transportation costs across transit-oriented development, hybrid and transit-adjacent development station typologies. Housing Policy Debate, 26(4-5), 819-834.

Smart, M. J., & Klein, N. J. (2018). Complicating the story of location affordability. Housing Policy Debate, 28(3), 393-410.

Smith, J.J., Gihring, T.A., (2006). Financing transit systems through value capture. Am. J. Econ. Sociol. 65 (3), 751–786.

State of California. (2018, October 1). California Legislative Information. Retrieved from AB-2923 San Francisco Bay Area Rapid Transit District: transit-oriented development.: https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill_id=201720180AB2923

State of Maryland. (n.d.). Maryland Department of Planning. Retrieved from WMATA TOD Policies: https://planning.maryland.gov/Pages/OurWork/TOD/wmataPolicies.aspx

State of New Jersey. (n.d.). Retrieved from 218th Legislature: https://www.njleg.state.nj.us/2018/Bills/A2000/1645 I1.HTM

State of Washington. (2019, July). Property Tax Exemption for Multifamily Housing in Urban Areas. Retrieved from:

https://leg.wa.gov/jlarc/taxReports/2019/MFTE/p_a/default.html

The New York Times (2012). A Tax Credit Worth Preserving. Retrieved from: https://www.nytimes.com/2012/12/21/opinion/a-tax-credit-worth-preserving.html?_r=0&mtrref=en.wikipedia.org&gwh=DC902E3D9CAF0EBDB66B60F0 2075D57B&gwt=pay&assetType=REGIWALL.

TOD Guidelines and Procedures . (n.d.). Retrieved from https://www.bart.gov/about/business/tod/guidelines

Township of Hanover. (n.d.). Retrieved from COAH / Fair Share Housing Obligations: https://www.hanovertownship.com/1419/COAH-Fair-Share-Housing-Obligations U.S. Bureau of Labor Statistics (2019). Consumer Expenditures in 2019. Retrieved from https://www.bls.gov/news.release/cesan.nr0.htm, Accessed July, 2021.

WMATA. (2013, July). Retrieved from WMATA JOINT DEVELOPMENT POLICIES AND GUIDELINES: https://www.wmata.com/about/board/upload/Joint-Development-Policies-2013-07-25.pdf

APPENDIX A LIST OF POTENTIAL TODS IN RAIL-SERVED REGIONS

The following table shows the complete list of potential TODs in rail-served regions that meet our two rail criteria: (1) Should be adjacent to commuter, heavy, or light rail and (2) should be in a region with more than a single rail transit line. Readers can click on "Link" in the last column to see the location of either the station or TOD on Google Map.

| Region | TOD or Station Name | Note and Links (provided either by planners we interviewed or by online search) | Location |
|------------|---|---|-------------|
| | One Central | | <u>Link</u> |
| Albuquerqu | Santa Fe Railyard | Originally a rail stop built in the late 1800s, This TOD served as a gathering place for residents and an important community asset. over 6,000 members of the community contributing to a community-based master plan. | <u>Link</u> |
| ₹ | Capital Flat Apartment | It's more than a mixed-use district, rather than a mixed-use and TOD dev. | <u>Link</u> |
| Atlanta | Lindbergh Center | Located at the juncture of MARTA's Red (North Springs) and Gold (Doraville) lines. | <u>Link</u> |
| | MLK | 388 total units | <u>Link</u> |
| | Kramer (The Addison Apartments) | This development is about 14 acres with 388 total units with shops and restaurants on the ground level. | <u>Link</u> |
| Austin | Plaza Satillo TOD districts | Approximately 130 acres TOD district including high-density, mixed-use development (two stories, 45 units per acre), active edges corridor mixed-use development (ranged from 17 to 45 units per acre), live/work uses, low-density residential (9 to 16 units per acre). | <u>Link</u> |
| | Owings Mills Metro Station | Two five-story buildings house 232 apartments, ground-floor retail and restaurant space. The development creates a new "main street" along Grand Central Avenue next to the Owings Mills Metro Station and the new library and community college building. | <u>Link</u> |
| | Annapolis Junction - Savage MARC Station | | <u>Link</u> |
| | Symphony Center Light Rail Station | Symphony Center is a Class A transit-oriented development with office space, retail space and residential apartments, strategically located in the heart of Baltimore's cultural district on the lightrail stop directly across from Meyerhoff Symphony Hall. | <u>Link</u> |
| re | Odenton MARC Station | Multiphase development within a 1,600-acre site with multiple developers participating in construction. Several significant projects have been completed, including Odenton Gateway in East Odenton, The Village at Odenton Station and Town Center Commons by the MARC Station, Seven Oaks Office Building in North Odenton, and now under construction the Flats 170 at Academy Yard. | <u>Link</u> |
| Baltimore | Dorsey MARC Station | The Dorsey site is 20.93 acres and is zoned TOD which includes office, commercial, and residential space. The site is comprised of three parcels: 1) 9.21 acres estimated as developable, Parcel 600 owned by MDOT SHA; 2) 5.42 acres, Parcel 634, Lot F owned by the MDOT MTA; and 3) 6.30 acres, Parcel 634, Lot G owned by the MDOT MTA. https://mdot.maryland.gov/OPCP/Dorsey_MARC_Station_RFEI_Final.pdf | <u>Link</u> |
| | New Carrollton MARC Station | The New Carrollton TOD site is a 39-acre site served by the WMATA Metrorail (Orange Line), MARC Train (Penn Line) and AMTRAK (Northeast Regional Service) located in Prince George's County. The development rights to the project were awarded by the Washington Metropolitan Area Transit Authority and the State of Maryland to a joint venture of Forest City and Urban Atlantic. The 2.7-square-foot, mixed-use development will contain residential units, a hotel, retail and office space, as well as structured parking. The project is currently in the planning phase. | Link |

| | | https://mdotrealestate.maryland.gov/Pages/PropertyDetails.aspx?MC=13-8011 | |
|----------|---|--|-------------|
| | White Flint Metro Station (WMATA) | This was a best practice for public outreach https://planning.maryland.gov/Pages/OurWork/tod/bpoutreach.aspx | <u>Link</u> |
| | Naylor Road Metro Station (WMATA) | | <u>Link</u> |
| | Aberdeen MARC Station | The Aberdeen TOD Master Plan was created in 2012. A Form Based Code for development was developed and adopted, unique business opportunities were attracted and incorporated. | <u>Link</u> |
| | Greenbelt | | <u>Link</u> |
| | State Center Metro/Light Rail Station | | <u>Link</u> |
| | Pleasant Hill/Contra Costa Centre | Blocks A and B complete; Block C to receive its certificate of occupancy this month; Block D, the office phase, seeking an anchor tenant to commence development. | <u>Link</u> |
| Bay Area | Fruitvale Village | Phase I complete; Phase II partially complete, the final phase just received its final tranche of funding and should break ground early 2021. The ground floor of Fruitvale Village is home to locally owned retail spaces. The second floor offers office spaces for important community resources and organizations. Finally, 47 one- and two-bedroom apartments offer housing on the third floor. Of the 47 units, 10 are designated as affordable units for residents earning between 35-80% of the Area Median Income. https://unitycouncil.org/property/fruitvale-village/ | Link |
| | MacArthur | All except Block B – the high rise – are complete. Block B aims e to receive certificate of occupancy this summer. Ground-floor retail yet to be leased. | <u>Link</u> |
| | Richmond Station | Richmond may count but the second phase (much larger than the first phase) is yet to be built; the first phase is townhomes only. | <u>Link</u> |
| | Ashmont | | <u>Link</u> |
| | The Boston Garden_North Station | 210,000 SF multi-level retail/restaurant space • New entrance to TD Garden and North Station• 175,000 SF of office space• 440 apartment units• 260-room hotel. | <u>Link</u> |
| | Station Landing | Over 30 retail stores and restaurants, a 12-story luxury condominium complex, spacious contemporary apartments, a 50,000 SF fitness facility, and office space • Over 1 million SF of retail, commercial, office, and residential space• Development provided MBTA with 700 space commuter parking garage. | <u>Link</u> |
| | 24-26 Hichborn Street | | <u>Link</u> |
| | W. Ave at 530 Western Avenue | | <u>Link</u> |
| | Boston Landing_Lantera | | <u>Link</u> |
| Boston | 212-214 Market St | | <u>Link</u> |
| Bos | Avenir MBTA Parcel 1A (by Trinity) (fromerly Canal Place) | • 241 residential units, including 17 affordable units • 30,000 +/- SF of retail space. | <u>Link</u> |
| | The Victor | • 286 apartment units • 17,000 SF of retail space, restaurants and entertainment venues. | <u>Link</u> |
| | Avalon North Station | | <u>Link</u> |
| | 226 Causeway Street | | <u>Link</u> |
| | The Beverly - Parcel 1B (in construction) | | <u>Link</u> |
| | The Glen | The Village of Glenview served as its own master developer of this site, the former Glenview Naval Air Station. While The Glen has transit service, it is not "transit-oriented." It is very suburban, and is dominated by a golf course. The community consensus at the time the plan was developed, in the 1990s, did not favor dense development. | <u>Link</u> |

| Chicago | Prairie Crossing | This is primarily a conservation development. It also has good Metra commuter rail access with two new Metra stations. However, like The Glen, Prairie Crossing really lacks the development density to be considered truly transit-oriented. The stations are a minimum 1/4-mile walk from any residences, and are across a railroad track and highway from the development. An adjacent landfill is a barrier to the market for the property immediately adjacent to the station, as is community skepticism about greater development densities. | <u>Link</u> |
|-----------|--|---|-------------|
| | Little Italy Station on the Red Line | High-density (200+ units) residential with street-level retail and office space included. Additional development project in planning. | <u>Link</u> |
| | Eco-Village Station (W65th) on the Red Line | New Aspen Place, LIHTC-financed, 50-unit apartment building immediately adjacent to the station. Small retail component as well. | <u>Link</u> |
| Cleveland | Van Aken District Station redevelopment on the Blue Line | Large-scale retail and residential project with initial phase completed in 2019. 200+ units of residential and 300,000+ sq ft of retail. Additional phases contemplated. | <u>Link</u> |
| Cleve | Columbus Rd. TOD at the West 25th St Station on Red Line | Under construction - 200+/- units of residential and 200,000 sq ft of retail/office. | <u>Link</u> |
| | CityLine/Bush | Dev. Name: State Farm Campus: large corporate office tower, ground-floor restaurants. Dev. Name: Axis 110 Apartments. Dev. Name: Anthem Cityline Apartments: Faces the main plaza of the larger mixed-use development. | <u>Link</u> |
| | Downtown Plano | Dev. Name: Bel Air K Station and Junction 15 Apartments: Very good building integration with platform. A couple blocks away, Bel Air Downtown is different building with same owner. | <u>Link</u> |
| | Baylor University Medical Center | Dev. Name: Broadstone Ambrose Apartments: Part of the Deep Ellum district of Dallas. | <u>Link</u> |
| | Farmers Branch | Dev. Name: Mustang Station Apartments: new downtown retail district being built next door. | <u>Link</u> |
| | Galatyn Park | Dev. Name: Galatyn Station Apartments | <u>Link</u> |
| | Las Colinas Urban Center | Dev. Name: Crest at Las Colinas Station: small amount of retail space, next door to office building. Dev. Name: Gable Water Street: very mixed use, couple blocks away from station. Dev. Name: The Carolyn Apartments: small amount of retail space, next door to office building. | <u>Link</u> |
| | Downtown Carrolton | Dev. Name: Union at Carrollton Square: Part of historic walkable downtown. Dev. Name: Lux on Main Apartments: Part of historic walkable downtown | <u>Link</u> |
| | SMU/Mockingbird | Dev. Name: Mockingbird Station | <u>Link</u> |
| | Spring Valley | Dev. Name: Brick Row | <u>Link</u> |
| Dallas | Downtown Garland | Dev. Name: Oaks 5th Street Crossing - City Station: Second phase by same owner is Oaks 5th Street Crossing City Center, two blocks further from station, shares parking with Garland City Hall. | <u>Link</u> |
| | Cedars | Dev. Name: The Beat Lofts. Dev. Name: South Side Flats by Jefferson Dev. Name: The Belleview: LIHTC Affordable housing | <u>Link</u> |
| | Cityplace/Uptown | Dev. Name: West Village: Very mixed use, more accessible by trolley than light rail, Dev. Name: The Sawyer Apartments, Dev. Name: Arden Apartments. | <u>Link</u> |
| | Inwood/Love Field | Dev. Name: Inwood Station Apartments | <u>Link</u> |
| | Lancaster Urban Village | Dev. Name: Lancaster Urban Village: LIHTC Affordable housing | <u>Link</u> |
| | White Rock | Dev. Name: Parc at White Rock | <u>Link</u> |
| | Parker House Apartments | Dev. Name: Parker House Apartments | <u>Link</u> |
| | Resort at 925 Apartments: Grapevine/Main Street station | Dev. Name: Resort at 925 Apartments: new public plaza, food hall, and hotel being built next door. | <u>Link</u> |
| | Texas & Pacific | Dev. Name: Texas & Pacific Lofts: historic building renovated and new condo building on lot, Dev. Name: Parker House Apartments. | <u>Link</u> |

| | Downtown Rowlett | Dev. Name: Village of Rowlett Apartments | <u>Link</u> |
|-------------|---|---|-------------|
| | Inwood Station Apartments | The Inwood Station apartments opened in 2018 on Inwood Road at Denton Drive near Dallas Love Field. | <u>Link</u> |
| | Benedict Park Place, 25th St Station | Denver Housing Authority | <u>Link</u> |
| | Mariposa, 10th & Osage Station | Denver Housing Authority | <u>Link</u> |
| Denver | One City Block, 20th St Station | It's not abutting the station. "Private developer, and not really what I would call intentional TOD, as it's a bit far from a train station but still less than a half-mile/10-minute walk." | <u>Link</u> |
| D | Englewood | Maybe it's not a TOD that meets our criteria anymore, it's being re-invested. | <u>Link</u> |
| | Hardy yards | Under construction - 50 acres. Website: https://www.jonescarter.com/projects/hardy-yards/ | <u>Link</u> |
| | Camden McGowen Stati | on Apartments (McGowen) | <u>Link</u> |
| ر | Midtown Main (Ensemble | e HCC) - Mid Main Lofts | <u>Link</u> |
| Houston | Lofts at the Ballpark (Eado/ Stadium) | Does not have much commercial, but is several buildings and meets many of the other requirements. | <u>Link</u> |
| Н | 4450 Harrisburg (Lockwood/Eastwood) | Houses Baker Ripley and other non-profits with a parking structure, but it is unclear when or if residential will occur. | <u>Link</u> |
| | Linea | Adjacent to Expo/Sepulveda Station | <u>Link</u> |
| | The Vermont | Across the street from Wilshire/Vermont Station | <u>Link</u> |
| | Wilshire/Western | Completed in 2009, Metro has built a 195-unit condominium tower with 49,500 square feet of retail space above the current terminus of the Purple Line station. | <u>Link</u> |
| | Hollywood/Vine | Includes the W Hotel and the housing project at 1600 Vine. Completed in 2009, the Hollywood & Vine Red Line station apartment project is a mixed-use development featuring 375 apartments, and 28,000 square feet of ground-floor retail. | <u>Link</u> |
| | Hollywood/Western | | <u>Link</u> |
| | Hollywood/Highland | | <u>Link</u> |
| Los Angeles | Wilshire/Vermont | This development is 3.24 acres of Metro-owned property. The apartment complex includes 449 apartments and 35,000 square feet of ground-floor retail surrounding the subway portal. A new middle school (Young Oak Kim Academy) was built on an adjacent 2.4 acre-site and a bus layover facility is planned for the site of the existing UFCW Local 770 building. Across Wilshire is The Vermont, a much less modest, transit-adjacent development by J.H. Snyder with twin towers of 22 and 28 stories containing 464 apartments and 40,000 square feet of retail. | Link |
| | Westlake/MacArthur Park | Proposed mixed-use development with affordable housing above a Metro subway station. https://urbanize.city/la/tags/westlakemacarthur-park-metro-tod | <u>Link</u> |
| | Del Mar Station | Property sold to developer by Gold Line Construction Authority | <u>Link</u> |
| | Sierra Madre Villa | Multiple phases | <u>Link</u> |
| | One Santa Fe | 438 apartments - 88 affordable, 79,000 square feet of ground-floor retail and live/work space. | <u>Link</u> |
| | Taylor Yard | 87 affordable apartments (lot 1), 68 affordable apartments (lot 3) | <u>Link</u> |
| | Gables Station | Gables Station is a mixed-use project. It's an oasis of residences, public space, and commercial space in a prime location connecting Coral Gables to Downtown Miami through the transit corridors of US1 and the Metrorail. Use this link: https://www.gablesstationmiami.com/#qol | <u>Link</u> |
| Miami | Coconut Grove | Mixed-use, transit-oriented development with 190,000 square feet of combined office, retail, 180-key hotel and 250 rental apartments, parking garage and \$5 million for station upgrades and improvements. The proposed development will significantly enhance accessibility, visibility, convenience and the station's look. Link | <u>Link</u> |

| | | (https://www.miamidade.gov/global/transportation/transit-oriented-development.page) | |
|----------------|--|--|-------------|
| | Douglas Road TOD project | This project is scheduled to break ground the first quarter of 2019. Link (https://www.connect.media/600m-tod-underway-at-miamis-douglas-road-metrorail-station/) | <u>Link</u> |
| | 7th Avenue Transit Village | The Brownsville Transit Village located at 5200 NW 27 Avenue is a 5.8-acre, joint-development project built at the Brownsville Metrorail station. The project features 490 affordable housing units, with five midrise apartment buildings, townhomes and a parking garage, as well as ground-floor commercial space and Metrorail station improvements, such as an additional passenger drop-off lane and attractive landscaping. With Phase V to be built, the project was completed in four phases, each geared toward providing housing for low-income families, the elderly and the entire Brownsville community. Brownsville Transit Village residents are now benefiting from immediate access to rapid transit and amenities such as a community center, a computer lab and an exercise room. In addition, onsite community programs offer literacy training, health and nutrition classes, and first-time homebuyer seminars. The project was initiated by an unsolicited bid from not-for-profit agency. (https://www.miamidade.gov/global/transportation/transit-oriented-development.page) | <u>Link</u> |
| | Freedom Tower Metromover Station | This is a joint project being completed by the Department of Transportation and Public Works (DTPW) and the developers of the Miami Worldcenter building complex, which will consist of residential, retail, and commercial properties. This TOD will not only enhance the appearance and functionality of the Freedom Tower Metromover station, but it will help to encourage more riders to use transit. link: https://www.miamidade.gov/global/transportation/transit-oriented-development.page | <u>Link</u> |
| | Northside Metrorail Station | Northside Transit Village is a TOD with four phases. The project includes a total of 438 affordable housing units (219 units of elderly housing and 219 of family housing), 20,000 square feet of ground-floor retail, and 250z dedicated ground-floor Metrorail parking spaces in multilevel parking garage. Construction of 119 affordable housing units is under construction and scheduled to be completed by December 2019. | <u>Link</u> |
| | Motion at Dadeland | This project is located next the Dadeland North Metrorail Station (8400 S. Dixie Hwy., Miami, FL.) The project was completed in the spring 2019. 294 market-rate rental studio 1/2/3-bedroom apartments, 25 stories with garage. 7,500 square feet of ground-floor retail. Project cost was \$86 million. This project helped to create 210 new jobs. | <u>Link</u> |
| | Oaks Station Place at the Blue Line LRT 46th St. Station | 104 apartments, first-floor retail, surface parking onsite, built 2013, line opened in 2004. | <u>Link</u> |
| olis-St | Hamline Station East & West | Built by Project for Pride in Living (PPL). 108 units, all affordable, 13,000 square feet of ground-floor retail, East is family housing, West is workforce for people in their first employed position, Across the street from the Green Line LRT station. Opened in 2015/106, two parts opened separately. | <u>Link</u> |
| Minneapolis-St | The Penfield, luxury place in Downtown Saint Paul | Built 2013, charges for parking separately. Good grocery store onsite. 1.5 blocks from 10th St. Station Green Line LRT. | <u>Link</u> |
| 2 | Harrison The Element (near PATH) | This is the only TOD that clearly meet our eight criteria in this region. | <u>Link</u> |
| rsey | Bound Brook Meridian Main | The \$30 million Meridia Main Station retirement community project, completed in 2014. By late 2014, the Meridia had filled nearly all 240 units, with rents ranging from \$1,200 to \$1,800 per month. The building is less than a five-minute walk from the Bound Brook train station. | <u>Link</u> |
| New Jersey | Cranford Cranford Crossing; Riverfront at Cranford Station | Sits a block west of the station. Completed in 2006, Cranford Crossing added 50 luxury rental apartments as well as 22,000 square feet of ground-floor retail in two buildings—one three-story and one four-story—on either side of South Union Avenue. In 2005, New Jersey Future awarded Cranford Township and the developer, Westminster Communities, a Smart Growth | <u>Link</u> |

| Farmer I E 1 | Award for the project, citing the development's respect for Cranford's historic, walkable downtown. | 1 |
|--|--|------------|
| Fanwood Fanwood Crossing | http://www.njtod.org/fanwood-18-years-tod/ | <u>Lin</u> |
| Garfield Transit Crossing | Built in 2018, Transit Crossing is a luxury multifamily property consisting of 21 one-bedroom and 54 two-bedroom apartments Link: https://www.globest.com/2019/11/01/garfields-transit-crossing-development-changes-hands/?slreturn=20200920161652 | <u>Lin</u> |
| Garwood Lofts at Garwood | In 2009 the Borough revised and adopted a new Master Plan that calls for TOD zoning near the station—"the new zoning code should include a mixture of residential and commercial uses that would benefit from the proximity to the railroad station." The Master Plan identified a new of properties near the station suitable for redevelopment, including 5.8 acres of industrial lots located between the railroad right-of-way and South Avenue. | <u>Lir</u> |
| Bloomfield Avalon at Bloomfield Station | http://www.njtod.org/booming-bloomfield-growing-right-ways/ | Lin |
| Metuchen Woodmont Metro | http://www.njtod.org/whats-new-in-metuchen/ | <u>Lir</u> |
| Montclair Montclair Residences at Bay Street Station | http://www.njtod.org/new-montclair-tod-in-the-home-stretch/ | Lir |
| Morristown Highlands | Morristown is home to nearly 20,000 residents, and the workplace of nearly 13,000 downtown office personnel. The town's densely developed center, with buildings three to six stories on average, provides residents and workers an established retail environment and a lively restaurant. | <u>Lir</u> |
| New Brunswick Gateway | Gateway Transit Village rises 23 stories on the block adjacent to the New Brunswick Train Station, bringing renewed life to an underutilized site in the city's core with active sidewalks, new luxury residences, and a focus on diverse activities at the entrance to Rutgers campus. The project serves as a gateway to both downtown New Brunswick and the Rutgers Main Campus. Link: http://devco.org/page/18/gateway-transit-village | <u>Lir</u> |
| Orange Linc 52 at Orange Station | http://www.ci.orange.nj.us/Orange_Township_Master_Plan_2018_(FINAL)r.pdf | <u>Lir</u> |
| Rahway Park Square; Skyview | Rahway is strategically located on the high-speed Northeast Corridor Line of NJ TRANSIT, which provides frequent "one-seat-ride" access to New York Penn Station, Trenton, and Newark Penn Station. Rahway's transportation advantage has made it attractive to industries and businesses—foremost being the pharmaceutical giant, Merck, which employs 4,500 individuals. Within the half-mile "transit village" area surrounding the station, no less than 15 major projects have been constructed or are in the planning and development phases. Several of the more noteworthy projects are: the 136-luxury apartment River Place development, the Park Square project which includes 159 apartments and townhouses plus retail space, the construction of three major hotels, and the redevelopment of a mixed-use building containing a movie theater and artist live/work spaces. | Lir |
| South Orange Third & Valley | South Orange Station in 2001, and, in 2002, Gaslight Commons, a 200-unit rental complex on West Third Street. In 2006, the South Orange Performing Arts Center (SOPAC) opened. The 34,840 square feet performance facility and the station share parking. In 2008 the New Market renovation project on South Orange Avenue adapted a former ShopRite property in order to house a gourmet market and restaurant. Around the corner from the New Market project on Vose Avenue is The Avenue at South Orange, a three-story, mixed-use structure completed in 2010 that houses 79 condominiums and 4,200 square feet of ground-floor retail. | Lin |
| Westfield 333 Central Ave | The mixed-use residential project is located less than one-tenth of a mile from the NJ TRANSIT station. Also complete is an inclusionary site at 333 Central Avenue (completed in 2017). The site contains a total of 70 units, with nine allocated for very low-, low-, and moderate-income households. | <u>Lir</u> |
| Wood-Ridge Wesmont Station | It's a redevelopment of a 144-acre old industrial site. When completed, Wesmont Station – name to both the project and the new NJ TRANSIT commuter rail station – will encompass residential, commercial, and | <u>Lir</u> |

| | | recreational uses as well as provide a new transit connection to New York City. The first residential buildings of the project have been completed and groundbreaking for the station was held in March 2014. Link: http://www.njtod.org/wesmont-station-moves-forward/ | |
|--------------|---|--|------------------------------|
| | Hoboken - Bergen County, Meadowlands, Montclair-Boonton | The redevelopment area includes several structures utilized by New Jersey Transit and the Port Authority of New York and New Jersey. | <u>Link</u> |
| | Rutherford Bergen County line | | <u>Link</u> |
| | Summit - Gladston Branch line + Morristown line | | <u>Link</u> |
| | Asbury Park - North Jersey Coast line | | <u>Link</u> |
| | Somerville - Raritan Valley line | Somerville landfill transit village expected to be completed in 2023. | <u>Link</u> |
| | Yonkers in the Hudson Valley | | <u>Link</u> |
| | Bronx Metro-North Station Area Study | | multi ple stati ons |
| | Wyandanch Village on Long Island | To date, two mixed-income, affordable and market-rate buildings with 177 residential units have been constructed with a third, 124-unit building currently under construction and three new mixed-income and mixed-use. | <u>Link</u> |
| ¥ | East New York Neighborhood Plan | http://morr.maps.arcgis.com/apps/MapSeries/index.html?appid=e53a9d13c ad442829c5db6c7bc1b16d8 | <u>Link</u> |
| New York | Harrison's Halstead - Avalon Bay | https://www.harrison-ny.gov/home/files/tod-presentation | <u>Link</u> |
| Nev | Ronkonkoma Hub | https://lirpc.org/economic-development/ronkonkoma-hub-to-create- economic-benefits-housing-options/ | <u>Link</u> |
| | The Poughkeepsie Train Station | | <u>Link</u> |
| | White Plains | http://www.realestateindepth.com/news/white-plains-releases-long-awaited-rfp-for-redevelopment-of-transit-district/ | <u>Link</u> |
| | Tarrytown | | <u>Link</u> |
| | Mount Vernon West | | <u>Link</u> |
| | Longwood Station | Weston Park offers the first multifamily residential housing directly adjacent to the City of Longwood's SunRail Station. This 208-unit apartment home community encourages residents to adopt a more car-independent lifestyle. | <u>Link</u> |
| | Maitland | | <u>Link</u> |
| | Poinciana Station | it's at the early stages of planning right now. | <u>Link</u> |
| | Tupperware Station | it's at the early stages of planning right now. | <u>Link</u> |
| Orlando | Temple University Station, Paseo Verde, 1950 N. 9th St. | Paseo Verde is a model transit-oriented development, located directly adjacent to the SEPTA Regional Rail Temple University Train Station. The station is the fourth busiest stop in the City, providing a five-minute ride to Center City and connections to Philadelphia's regional stations. Paseo Verde consists of 67 one- and two-bedroom apartments with a range of amenities such as off-street parking, fitness center, business center, community room, landscaped terraces, community garden, and ground-floor retail. There are also 53 apartments available for residents earning an annual income below \$68,000 (based on family size). | <u>Link</u> |
| Philadelphia | 2nd Street Station, The National, 121 N. 2nd St. | The National, a new mixed-use residential and retail project in Philadelphia's historic Old City neighborhood. The six-story building features 4,000 square feet of retail space, and 192 residential units equipped with best-in-class amenities, contemporary design elements and high-end finishes. An attached garage with parking for up to 60 cars will also be available for resident use. With The National's premier location, residents will enjoy the dynamic neighborhood that is Old City and take advantage of the property's | <u>Link</u> |

| | proximity to Philadelphia's public transportation system, major roadways, and Center City employment hubs. | |
|--|---|------|
| Race/Vine Street Station, Hanover North Broad, 322-344 N. Broad St. | Hanover North Broad will transform two surface parking lots in Center City, Philadelphia, into a vibrant mixed-use development consisting of two buildings and featuring approximately 340 residential units, 18,000 square feet of retail and parking for 380 cars. | Link |
| Lombard/South Street Station, Southstar Lofts, 521 S. Broad St. | A new multifamily mixed-use property located on Philadelphia's main transit artery, South Broad Street. Located on the corner of Broad and South Streets, Southstar Lofts will consist of 85 luxury loft-style apartments, along with 10,045 square feet of street-level commercial space. Has underground parking with electric car charging station. | Link |
| 11th Street Station, The Ludlow, 1101 Ludlow St. | The Ludlow will eventually encompass 4.3 acres in Center City, stretching three full blocks from 11th to 12th streets and Market to Chestnut streets. The mixed-use project, packed with a roster of impressive tenants and local firms, introduces residential life to this portion of Market Street for the first time in recent memory. The residential portion of the building contains 322 units — studios, one- and two-bedroom apartments. Tenants at the property — a major draw for visitors and pedestrians — include Iron Hill Brewery & Restaurant, Wawa, City Fitness, Little Baby's Ice Cream, District Taco and Mom's Organic Market. The lower levels of The Ludlow also contain office space for architecture firm Bohlin Cywinski Jackson and Design Center Philadelphia. In terms of transportation, the following transit lines have routes that pass near 923 Ludlow Street: Train (Fox Chase Line, Anayunk/Norristown line, Paoli/Thorndale line, Patco); Subway (BSL, MFL). Parking Details: Other. On-site parking available with electric car charging stations. Please contact leasing office for complete details. Valet Parking: \$200/month, Self Parking Underground Garage: \$350/month. | Link |
| Ellsworth/Federal Station, Lincoln Square, 1000 S. Broad St. | It is a \$100 million, nine-story, mixed-use development with 322 apartments, 50,000 square feet of amenity space, and a four-story parking garage. Down below, 100,000 square feet of retail will activate the long-dead stretch of Washington Avenue with chains like Target and Pet Smart. The second floor has 50,000 square feet of amenity space, including a fitness center, lounge, and golf simulator room. The following transit lines have routes that pass near Lincoln Square: Train (Airport line, Manayunk/Norristown Line, Paoli/Thorndale Line, Patco, Warminster Line); Subway (BSL). | Link |
| Ardmore Station, One Ardmore Place, 24 Cricket Avenue | The residences at One Ardmore Place set a new standard for apartment living on the Main Line. This superbly designed mixed-use building — conveniently located on Cricket Avenue — brings new energy and excitement to the neighborhood. Offering 110 high-quality one-, two- and three-bedroom rental apartments; 8,450 square feet of ground-floor retail; and both covered public and private parking. In addition, residents enjoy state-of-the-art amenities, elegantly furnished communal spaces, a landscaped terrace, recreation area, and the ultimate walkable location near many restaurants, shops and transit. | Link |
| Spring Mill Station, Courts at Spring Mill Station, 1101 E. Hector Street | The Courts at Spring Mill Station will include two buildings totaling 385 highend apartment homes within the Colonial School District and close to the SEPTA Spring Mill Station and Schuylkill River Trail, with easy access to Center City Philadelphia and the Greater Philadelphia area. The units include a combination of studio, one-bedroom and two-bedroom floorplans with dens and lofts. "We are also pleased to be able to offer residents at The Courts at Spring Mill Station greener lifestyle choices including the option to go totally car-free with SEPTA outside their front door. Easy access to public transportation combined with the many environmentally friendly building practices Home Properties is incorporating, makes a greener lifestyle attainable," said Kerri Haltom, Home Properties' regional vice president for the Philadelphia region. The property has one podium garage and one precast garage over a 7.8-acre lot. | Link |
| Lansdale Station, Madison Lansdale Station, 325 Madison Avenue | Now opened! New urban destination retail adjacent to Lansdale Train Station! Project will feature 182 luxury apartments and 14,300 square feet of retail. Convenient access to Septa's Lansdale Station and parking garage with over 1,300 commuters per day. Unique opportunity for a restaurant with | Linl |

| | | | 1 |
|------------|--|---|-------------|
| | | outdoor seating, entertainment, and fitness tenants! Join Lansdale borough's vibrant mix of restaurant and retail. | |
| | Westmont Station, Haddon Towne Center, 225 Haddon Avenue | Welcome to Haddon Towne Center, an extraordinary mixed-use apartment/retail community where resort-style living blends with a mix of retail shops in a premier location in close proximity to the PATCO Westmont Transit Station. Imagine living in a luxurious one-, two- or three-bedroom apartment with spectacular amenities in a downtown setting. The sophisticated and stunningly crafted contemporary apartment residences will have secure access from a formal elevator-served lobby. Many of the residences will have access to private and secure parking garages from the lower level of the buildings. As a resident, you will be able to enjoy amenities consisting of a resident-only clubhouse with fitness center, gathering room with fireplace, HDTV's, WiFi & coffee bar all overlooking the outdoor pool, fire pit and barbecue area. We encourage you to come experience the elegance and maintenance free lifestyle Haddon Towne Center has to offer. | Link |
| | Glasshouse | 320 market-rate residential units located across the street from Station Square Station and adjacent to Great Allegheny Passage bike trail. 335 parking spaces. Website: https://www.glasshouseapts.com/ | <u>Link</u> |
| Pittsburgh | The Flats at Summit Station & Summit Station Townhomes | 180 units of rental multifamily housing, 80 single-family detached units, and 127 single-family attached units. 60,000 square free of commercial space, including office. Also a three-story assisted living facility (90,000 square feet total) on site. Short walk to the Library T Station and adjacent to Montour Trail Trailhead, a 63-mile-long, multiuse rail trail. Website: https://www.flatsatsummitstation-trprop.com/custompage.aspx?sectionid=16397586 | Link |
| | Eastside Bond - East Liberty Station | Adjacent to East Liberty Bus Station | <u>Link</u> |
| | Orenco | | <u>Link</u> |
| | Lents town center | | <u>Link</u> |
| | Gresham Civic | To be opened in 2021 | <u>Link</u> |
| þι | Rockwood Rising | To be opened in 2021 | <u>Link</u> |
| Portland | South Waterfront | Aa high-rise district under construction on former brownfield industrial land in the neighborhood south of downtown Portland, OR. It is one of the largest urban redevelopment projects in the United States. | <u>Link</u> |
| | La Valentina (429 12th St) - no built-in public space | 18 townhomes, 63 apartments, 6,000 square feet of ground-floor commercial space. | <u>Link</u> |
| | Globe Mills (1131 C St) - one block from LRT | Mixed use with 143 units and 96,000 square feet of retail space. | <u>Link</u> |
| | The Ridgeway (912- 914 12th Street) - no built-in public space | 22 units, retail | <u>Link</u> |
| Sacramento | The Hardin (700 block of K St) with roof top space (historic façade, building torn down and rebuilt) | Mixed-use project, 72,000 square feet of retail space, 137 mixed-income apartments ranging from affordable studios to penthouses. | <u>Link</u> |
| Sa | Ice Blocks (1812 17th Street) - 75% built out | 145 residential units, 64,000 square feet retail, 55,000 square feet office. | <u>Link</u> |
| | F65 (University/65th St Station) - no built-in public space | Eight lofts, 32.5,000 square feet retail, adjacent to Upper Eastside Lofts 435-bed student apartment complex. | <u>Link</u> |
| | Gio (3675 T Street) - with rooftop space, 75% built out | 216 units, 6,000 square feet retail; adjacent townhomes still to be built. | <u>Link</u> |
| S | The Gateway | | <u>Link</u> |
| | | | |

| | City Creek Center | | Link |
|-----------|---|--|-------------|
| | Fireclay village | One of the largest developments ever to be built in Murray City has broken ground. The 26-acre, \$80 million transit-oriented development is a joint venture between Strategic Capital Group and Miller Development Co. Located at 4400 South and 100 West, the mixed-use Fireclay Village will include 400 apartments, 268 income-restricted units and retail, restaurant and office space. The project will be built in three phases over the next five years and will ultimately bring 1 million square feet of apartments and 94,000 square feet of retail and office space to Murray City. | Link |
| | Sandy East Village | Built with the Sandy Civic Center TRAX station as its hub, the project will incorporate urban living with elements of walkability and public transit that includes commercial and retail components spread over 32 acres. | <u>Link</u> |
| | Fairbourne | Fairbourne Station is a \$500 million 40-acre transit-oriented commercial development that was planned specifically in conjunction with the construction of the West Valley Intermodal Hub. Website: https://www.fairbournestation.com/master-plan | <u>Link</u> |
| | Novi | Novi (Jordan Valley Station) is a 40-acre master planned transit-oriented development located less than 20 minutes from downtown Salt Lake in the City of West Jordan, UT. Located on the mid Jordan TRAX light rail stop. The development is entitled for 1,396 residential units and ancillary retail, restaurant, medical and professional office uses. | <u>Link</u> |
| San Diego | Grossmont Transit Center | A joint venture between TruAmerica Multifamily and Intercontinental Real Estate Corp. has acquired the leasehold interest in Alterra & Pravada at Grossmont Station, a 527-unit transit-oriented development in La Mesa, CA, from Fairfield Grossmont Trolley LLC in partnership with the Metropolitan Transit Authority. https://www.multihousingnews.com/post/jv-acquires-massive-san-diego-area-tod/ | <u>Link</u> |
| an I | Rio Vista Station | | <u>Link</u> |
| S | Hazard Center Station | Initial development in 1989, trolley stop in 1997 | <u>Link</u> |
| | City College Station | | <u>Link</u> |
| | Morena/Linda Vista Station | | <u>Link</u> |
| | Othello Park Station | Mercy Othello Plaza and Othello North at Othello Link Station in Seattle's Rainier Valley. There is no transit park and ride parking here. | <u>Link</u> |
| Seattle | Thornton Place project in the Northgate neighborhood | It is located directly east of King County Metro's Northgate Transit Center, which is currently served by Metro and S.T. buses, and is one block away from the Northgate Link Light Rail Station, which is currently under construction and set to open for service in 2021. The project includes a mix of residential units, medical offices, retail and restaurant uses surrounding a small plaza and a cinema; all located above an underground parking facility that includes a limited supply of exclusive residential parking, and a shared supply of parking that is open to transit riders, residents, retail/restaurant patrons and visitors. | <u>Link</u> |
| | Redmond TOD | Bus-only now | <u>Link</u> |
| | Cortex, 4319 Duncan Ave, St. Louis, MO 63108, near Cortex Station | Cortex itself is a large redevelopment district (~300 acres), the address provided is the first residential building planned for the area. | <u>Link</u> |
| St. Louis | The Expo at Forest Park, 5721 De Giverville Ave, St. Louis, MO 63112 | To be constructed on an existing park-and-ride lot | <u>Link</u> |
| St. L | Ballpark Village, 501 Clark Ave, St. Louis, MO 63101 | Entertainment district near Busch Stadium; apartments are high end luxury units only. | <u>Link</u> |
| | Emerson Park, 1001 N 15th St, East St. Louis, IL 62205 | 100% affordable housing; small multistory apartment complex with smaller multifamily homes behind it; LIHTC and/or public housing | <u>Link</u> |

| | Metro Landing of Swansea, 228 Metro Way, Swansea, IL, 62226 | Affordable housing development for seniors | <u>Link</u> |
|---------------|--|---|-------------|
| | Centene Campus, 155 Carondelet Plaza, Clayton, MO 63105 | Centene Corporation redevelopment campus, which includes Centene H.Q., housing, dining, shopping, etc.; existing housing on site included The Crescent (condos), and other housing directly adjacent to the site. | <u>Link</u> |
| | New Carlton Station | Amtrak | <u>Link</u> |
| | NoMa neighborhood (redline) - near ATF HQ | infill development | <u>Link</u> |
| | Meridian at Ballston Commons, (Ballston- MU) | | <u>Link</u> |
| | Monroe Street Market, (Brookland-CUA) | | <u>Link</u> |
| | Highland Park, (Columbia Heights) | Highland Park development, a 144-unit apartment building + existing 229-unit features a mix of unit types and has a 20% affordable component. Highland Park development also sports about 18,000 square feet of ground-floor retail. | <u>Link</u> |
| Washington DC | Park Place at Petworth, (Georgia Ave-Petworth) | Park Place is a 200,000-square-foot, mixed-use project that is strategically built above the Georgia Avenue-Petworth Metro Station in Washington D.C. The project is comprised of 17,000 square feet of ground-floor commercial space and five levels of residential above, with 20% of those units being affordable. There are 187 below-grade parking spaces and 161 total units. The project was designed by Torti Gallas, the developer was Donatelli & Klein, Inc. and the cost was an estimated \$60 million. | <u>Link</u> |
| | McCollough Paradise Garden, (Mount Vernon Square) | , , , , , , , , , , , , , , , , , , , | <u>Link</u> |
| | The Witmer, (Pentagon City) | | <u>Link</u> |
| | Lenox Park, (Silver Spring) | | <u>Link</u> |
| | Virginia Square / Latitude Apartments, (Virginia Square-GMU) | | <u>Link</u> |
| | MetroPointe / The Exchange, (Wheaton) | MetroPointe, is a 173-unit residential building (53 affordable units) with 3,200 square feet of retail. | <u>Link</u> |
| | Reston Station, (Wiehle–Reston East) | Reston Station is more than 546 feet from the station entrance. | <u>Link</u> |

APPENDIX B LIST OF TODS THAT MEET THE EIGHT CRITERIA

The following table shows the complete list of TODs that meet these eight criteria (or at least the first seven):

- 1. Adjacent or nearly adjacent (maximum one block away) to rail stations
- 2. Dense and multistory
- 3. Mixed-use with residential and commercial (potentially including office uses)
- 4. Pedestrian-friendly with public space
- 5. Built after rail opened
- 6. Largely built out
- 7. Have their own parking facilities (i.e., self-contained parking)
- 8. Master-planned (not a single building)

| Region | TOD or Station Name | Locatio n of Either Station or TOD | Region | TOD or Station Name | Locatio n of Either Station or TOD |
|---------------|---|--|--|---|--|
| Atlanta | Lindbergh Center | <u>Link</u> | Oaks Station Place at the Blue Line LRT 46th St. Station | | <u>Link</u> |
| | Kramer | <u>Link</u> | Minneapolis -St Paul | Hamline Station East & West | <u>Link</u> |
| Austin | Plaza Satillo TOD districts | <u>Link</u> | | The Penfield, luxury place in Downtown Saint Paul | <u>Link</u> |
| Baltimore | Owings Mills Metro Station | <u>Link</u> | | Harrison The Element (near PATH) | <u>Link</u> |
| Daitimore | Symphony Center Light Rail Station | <u>Link</u> | | Cranford Cranford Crossing; Riverfront at Cranford Station | <u>Link</u> |
| | Fruitvale | <u>Link</u> | Now Jorgan | Bloomfield Avalon at Bloomfield Station | <u>Link</u> |
| Bay Area | Pleasant Hill/Contra Costa Centre | <u>Link</u> | New Jersey | Metuchen Woodmont Metro | <u>Link</u> |
| | MacArthur | <u>Link</u> | | Morristown Highlands | <u>Link</u> |
| | Ashmont | <u>Link</u> | | New Brunswick Gateway | <u>Link</u> |
| | North Station | <u>Link</u> | | Rahway Park Square; Skyview | <u>Link</u> |
| | Station Landing | <u>Link</u> | New York | Wyandanch Rising | <u>Link</u> |
| Boston | Boston Landing_Lantera | <u>Link</u> | INGW TOIK | Yonkers in the Hudson Valley | <u>Link</u> |
| BOSION | The Victor | <u>Link</u> | | Temple University Station, Paseo Verde, 1950 N. 9th St. | <u>Link</u> |
| | Avalon North Station | <u>Link</u> | | 11th Street Station, The Ludlow, 1101 Ludlow St. | <u>Link</u> |
| | 226 Causeway Street- 226 Causeway Street | <u>Link</u> | Philadelphia | Ellsworth/Federal Station, Lincoln Square, 1000 S. Broad St. | <u>Link</u> |
| Clevelan d | Little Italy Station on the Red Line | <u>Link</u> | | Spring Mill Station, Courts at Spring Mill Station, 1101 E. Hector Street | <u>Link</u> |
| | CityLine/Bush | <u>Link</u> | | Westmont Station, Haddon Towne Center, 225 Haddon Avenue | <u>Link</u> |
| | Downtown Plano | <u>Link</u> | Pittsburgh | Glasshouse | <u>Link</u> |
| | Galatyn Park | <u>Link</u> | | Orenco | <u>Link</u> |
| Dallas | Las Colinas Urban Center | <u>Link</u> | Portland | Lents town center | <u>Link</u> |
| | Downtown Carrolton | <u>Link</u> | South Waterfront (Ardea Apt) | | <u>Link</u> |
| | SMU/Mockingbird | <u>Link</u> | Sacramento | acramento La Valentina (429 12th St) - no built-in public space | |

| | Spring Valley | <u>Link</u> | | Ice Blocks (1812 17th Street) - 75% built out | <u>Link</u> |
|----------------|---|-------------|---------------|--|-------------|
| | Downtown Garland | <u>Link</u> | | F65 (University/65th St Station) - no built-in public space | <u>Link</u> |
| | Cityplace/Uptown | <u>Link</u> | | City Creek Center | <u>Link</u> |
| | Lancaster Urban Village | <u>Link</u> | Salt Lake | The Gateway | <u>Link</u> |
| | Parker House Apartments | <u>Link</u> | | Fireclay village | <u>Link</u> |
| | Resort at 925 Apartments: Grapevine/Main Street station | <u>Link</u> | San Diego | Hazard Center Station | <u>Link</u> |
| Denver | Mariposa, 10th & Osage Station | <u>Link</u> | Can Blogo | City College Station | <u>Link</u> |
| | Englewood | <u>Link</u> | | Morena/Linda Vista Station | <u>Link</u> |
| Houston | Camden McGowen Station Apartments (McGowen) | <u>Link</u> | Seattle | Othello Park Station | <u>Link</u> |
| | Midtown Main (Ensemble HCC) - Mid Main Lofts | <u>Link</u> | St. Louis | Centene Campus, 155 Carondelet Plaza, Clayton, MO 63105 | <u>Link</u> |
| | Linea | <u>Link</u> | | NoMa neighborhood (redline) - near ATF HQ | <u>Link</u> |
| | The Vermont | <u>Link</u> | | Meridian at Ballston Commons, Metro Station = Ballston-MU | <u>Link</u> |
| | Wilshire/Western; | <u>Link</u> | | Monroe Street Market, Metro Station = Brookland-CUA | <u>Link</u> |
| | Hollywood/Vine | <u>Link</u> | | Highland Park, Metro Station = Columbia Heights | <u>Link</u> |
| Los Angeles | Hollywood/Western | <u>Link</u> | | Park Place at Petworth, Metro Station = Georgia Ave-Petworth | <u>Link</u> |
| Angeles | Hollywood/Highland | <u>Link</u> | Washington DC | The Witmer, Metro Station = Pentagon City | <u>Link</u> |
| | Wilshire/Vermont | <u>Link</u> | | Lenox Park, Metro Station = Silver Spring | <u>Link</u> |
| | Westlake/MacArthur Park | <u>Link</u> | | Virginia Square / Latitude Apartments, Metro Station = Virginia Square-GMU | <u>Link</u> |
| | Del Mar Station | <u>Link</u> | | MetroPointe / The Exchange, Metro Station = Wheaton | <u>Link</u> |
| Miami | The Brownsville Transit Village/ 7th Avenue Transit Village | <u>Link</u> | | Reston Station, Metro Station = Wiehle–Reston East | <u>Link</u> |
| | Motion at Dadeland | <u>Link</u> | | | |

APPENDIX C MINIMUM PRICE OF APARTMENTS WITHIN TODS

The following table shows the minimum price of apartments within 85 TODs. The number in the first column represents the TOD's number (i.e., 1 - 85), while the second column shows the number of residential buildings (i.e., 1 - 117).

| TODs | TODs: region, name, | | | | v | | Modern wined anathropic (laurest available miss) | | | | |
|--------|--|--|-----------------------|------------------|---------------------------|--|--|---|-----------|-----------|--|
| buildi | ings (if different opers) | Transit Station | City/Region/St ate | units (total) | Year built | Developer | | Market priced apartments (lowest available price pricing by type as of July, 2021 | | | |
| | | | | | | | Studio | 1-bedroom | 2-bedroom | 3-bedroom | |
| Color | ado (Denver, Englewood | d) | | 789 | | | | | | | |
| 1 M | ariposa at Osage Station | า | | | | | | | | | |
| 1 | Mariposa Apartments (Phase 1, 2, 3 and 4) | Osage Station | Denver, CO | 351 | 2013 | Denver Housing Authority | n/a | n/a | n/a | n/a | |
| 2 Eı | nglewood Station | | | | | | | | | | |
| 2 | Art Walk at City Center | Englewoo d Station | Englewood, CO | 438 | 2001 | Oak Coast Properties (current owner) | n/a | \$1,541 | \$1,905 | \$2,806 | |
| Wash | ington (Seattle) | | | 818 | | | | | | | |
| 3 O | thello Station | | | | | | | | | | |
| 3 | The Station at Othello Park | Othello Station | Seattle. WA | 351 | 2011 | Woodbridge NW Communities | \$1,356 | \$1,790 | \$2,465 | n/a | |
| 4 | Assembly118 Apartments | Othello Station | Seattle. WA | 359 | 2018 | Woodbridge NW Communities | n/a | \$1,679 | \$2,880 | n/a | |
| 5 | Mercy Othello Plaza | Othello Station | Seattle. WA | 108 | 2017 | Mercy Housing (nonprofit developer) | n/a | n/a | n/a | n/a | |
| Califo | ornia (Bay Area) | | | 1617 | | | | | | | |
| 4 Fr | ruitvale Village | | | | | | | | | | |
| 6 | Fruitvale Village (Phase 1, Phase 2 and Phase 3) | Fruitvale Station (BART) | Oakland, CA | 322 | 2004, 2019, present | The Unity Council, EBALDC (East Bay Asian Local Development Corporation), BRIDGE Housing (non-profit) | n/a | n/a | n/a | n/a | |
| 5 PI | easant Hill/ Contra Cost | а | | | | | | | | | |
| 7 | Avalon Walnut Creek | Contra Costa Center (BART) Station | Walnut Creek, CA | 418 | 2010 | PHVP I LP | \$2,194 | \$2,400 | \$3,242 | \$3,964 | |
| 6 M | acArthur Station | | | | | | | | | | |
| 8 | The Skylyne at Temescal | MacArthur Station (BART) | Oakland, CA | 402 | 2020 | Boston Properties | \$2,462 | \$2,517 | \$3,452 | \$4,778 | |
| 9 | MacArthur Commons | MacArthur Station (BART) | Oakland, CA | 385 | 2018 | Hines | \$2,050 | \$2,200 | \$3,010 | n/a | |

| | 1 0 | Mural at MacArthur | MacArthur Station (BART) | Oakland, CA | 90 | 2016 | BRIDGE Housing (non-profit) | n/a | n/a | n/a | n/a |
|--------|--------|--|--|--------------------|------|---------------|---|------------------------|---------|---------|----------|
| Cal | ifor | nia (Sacramento) | | | 231 | | | | | | |
| | 1 | Valentina La Valentina Apartments and La Valentina North | La Valentina Station | Sacramento, CA | 81 | 2012 | Domus Development (developer of afordable housing) | n/a | n/a | n/a | n/a |
| | 1 2 | Blocks Ice House Midtown Apartments | 16th Street Station | Sacramento, CA | 142 | 2017 | Heller Pacific | \$1,550 | \$1,750 | \$2,500 | n/a |
| 9 | Uni | iversity/65th Street Stat | ion | | | | | | | | |
| | 1 3 | F/65 Lofts | University/ 65th Street Station | Sacramento, CA | 8 | 2005 | Fulcrum Property | no availabilit y | | | |
| Cal | ifor | nia (Los Angeles area) | | | 4640 | | | | | | |
| 1 | Exp | oo/Sepulveda Station | | | | | | | | | |
| - | 1 4 | Linea Apartments | Expo/Sep ulveda Station | Los Angeles, CA | 595 | 2017 | Carmel Partners | \$2,461 | \$3,016 | \$4,153 | \$15,161 |
| 1 1 | Wil | shire Vermont | | | | | | | | | |
| • | 1 5 | Wilshire Vermont Luxury Apartments | Wilshire/ Vermont Station | Los Angeles, CA | 449 | 2007 | Klein Financial Corporation (specializing in tax-exempt bond multifamily development) | \$1,707 | \$2,108 | \$2,816 | n/a |
| 1 2 | The | e Vermont | | | | | | | | | |
| | 1 6 | The Vermnont Apartments | Wilshire/ Vermont Station | Los Angeles, CA | 464 | 2014 | Snyder Co. | n/a | \$2,230 | \$3,409 | n/a |
| 1 3 | Wil | shire/ Western | | | | | | | | | |
| | 1 7 | Solair Wilshire Apartments | Wilshire/ Western Station | Los Angeles, CA | 175 | 2009 | KOAR Development Group | n/a | \$2,032 | \$2,420 | \$3,220 |
| 1 4 | Hol | llywood/ Vine | | | | | | | | | |
| • | 1 8 | 1600 Vine | Hollywood / Vine | Los Angeles, CA | 375 | 2010 | Klein Financial Corporation (specializing in tax-exempt bond multifamily development) | \$2,574 | \$2,816 | \$3,758 | n/a |
| | 1 9 | Eastown Apartments | Hollywood / Vine | Los Angeles, CA | 1042 | 2014, 2017 | DLJ Real Estate Capital Partners | \$1,915 | \$2,525 | \$3,185 | n/a |
| | 2 0 | El Centro Apartments & Bungalows | Hollywood / Vine | Los Angeles, CA | 507 | 2018 | Clarett West Development | \$2,350 | \$2,550 | \$3,735 | n/a |

| | 2 | Argyle House | Hollywood / Vine | Los Angeles, CA | 114 | 2018 | Related Cos. | n/a | \$3,995 | n/a | n/a |
|--------|--------|---|--------------------------------|----------------------|------|---------------|---|---------|---------|---------|-----|
| 1 5 | Но | ollywood/ Western | | | | | | | | | |
| J | 2 | Hollywood/ Western (Phase 1 and Phase 2) | Hollywood / Western | Los Angeles, CA | 130 | 2000, 2003 | McCormack Baron | n/a | n/a | n/a | n/a |
| 1 6 | Ma | acArthur Park | | | | | | | | | |
| | 2 | MacArthur Park | Westlake/ MacArthur Park | Los Angeles, CA | 172 | 2012 | McCormack Baron | n/a | n/a | n/a | n/a |
| 1 7 | Но | ollywood/ Highland | | | | | | | | | |
| | 2 4 | 1724 Highland Apartments | Hollywood / Highland | Los Angeles, CA | 270 | 2010 | Redwood Partners Inc. (current owner) | n/a | \$2,320 | \$2,675 | n/a |
| 1 8 | De | el Mar Station | | | | | | | | | |
| | 2 5 | Avalon/ Del Mar Station Apartments | Del Mar Station | Pasadena, CA | 347 | 2006 | AvalonBay Communities, Inc. | \$2,094 | \$2,266 | \$3,138 | n/a |
| Ne | w J | lersey | | | 2722 | | | | | | |
| 1 9 | Me | etuchen Station | | | | | | | | | |
| _ | 2 6 | Woodmont Metro Apartments | Metuchen Station | Metuchen, NJ | 273 | 2016 | Woodmont Properties | n/a | \$2,360 | \$3,215 | n/a |
| 2 0 | На | rrison Station | | | | | | | | | |
| | 7 | Harrison Station 300 | Harrison Station | Harrison, NJ | 275 | 2011 | Ironstate Development | \$1,595 | \$1,930 | \$2,635 | n/a |
| | 2 8 | 330 Harrison Station | Harrison Station | Harrison, NJ | 329 | 2015 | Ironstate Development | \$1,635 | \$2,035 | \$2,910 | n/a |
| • | 2 9 | Harrison Urby Apartments | Harrison Station | Harrison, NJ | 679 | 2017 | Ironstate Development | \$1,921 | \$2,012 | \$3,170 | n/a |
| 2 1 | Cr | anford Station | | | | | | | | | |
| • | 3 0 | Riverfront at Cranford Station | Cranford Station | Cranford, NJ | 106 | 2013 | Garden Homes | n/a | \$2,700 | \$3,210 | n/a |
| 2 2 | Ble | oomfield Station | | | | | | | | | |
| _ | 3 1 | Avalon Bloomfield Station | Bloomfield Station | Bloomfield, NJ | 224 | 2015 | AvalonBay Communities Inc | \$1,770 | \$2,020 | \$2,631 | n/a |
| 2 3 | Mo | orristown Station | | | | | | | | | |
| • | 3 2 | Sofi/ The Highlands at Morristown Station | Morristow n Station | Morristown, NJ | 214 | 2009 | Woodmont Properties | n/a | \$2,062 | \$3,011 | n/a |
| 2 4 | Ga | ateway Transit Village | | | | | | | | | |
| | 3 | Gateway Transit Village/ The Vue Apartments | New Brunswick Station | New Brunswick, NJ | 192 | 2012 | New Brunswick Development Corporation (DEVCO) and Pennrose Properties; in | n/a | \$1,824 | \$2,237 | n/a |

cooperation with the New Brunswick Parking Authority, Rutgers University, AJD Construction and the New Jersey Economic Development Authority

| | | | | | | | Authority | | | | |
|--------|-----------------------------|---|---|------------------------|------|---------------|---|---------|---------|---------|---------|
| 2 5 | Ra | hway Station | | | | | | | | | |
| | 3 4 | Skyview Luxury | Rahway Station | Rahway, NJ | 207 | 2005 | Silcon Inc./ The Kislak Company, Inc. | n/a | \$1,650 | \$1,875 | n/a |
| 2 6 | We | estmont Station | | | | | | | | | |
| | 3 5 | Haddon Towne Center | Westmont Station | Haddon Township, NJ | 223 | 2017 | Fieldstone Associates | n/a | \$1,800 | \$1,950 | \$2,825 |
| Flo | orida | a (Miami) | | | 760 | | | | | | |
| 2 7 | Brownsville Transit Village | | | | | | | | | | |
| , | 3 6 | Brownsville Transit Village (Phases 1,2,3,4, and 5) | Brownsvill e Metrorail station | Miami, FL | 466 | 2011 | Public-private partnership between Carlisle Development Group (affordable housing developer) and Miami-Dade Transit | n/a | n/a | n/a | n/a |
| 2 8 | Da | deland Station | | | | | | | | | |
| | 3 7 | Motion at Dadeland | Dadeland North Metrorail Station | Miami, FL | 294 | 2019 | Adler Development; a joint venture with Miami-Dade County Department of Transportation and Public Works | \$1,802 | \$2,356 | \$3,207 | n/a |
| Ne | w Y | ork (| | | 1168 | | | | | | |
| 2 9 | Wy | yandanch Village | | | | | | | | | |
| J | 3 | Wyandanch Village (4 buildings) | Wyandach LIRR station | Babylon, NY | 395 | 2015 | The Albanese Organization, Long Island Housing Partnership, CDC-Long Island, the Wyandanch CDC | n/a | \$2,100 | \$2,700 | n/a |
| 3 | Yo | nkers Station | | | | | | | | | |
| Ū | 3 | Hudson Park North&South | Yonkers Station | Yonkers, NY | 560 | 2003, 2008 | Collins Enterprises | n/a | \$1,759 | \$2,315 | n/a |
| | 4 0 | River Club at Hudson Park | Yonkers Station | Yonkers, NY | 213 | 2019 | Strategic Capital | \$2,187 | \$2,548 | \$3,062 | n/a |
| Ma | issa | achusetts, Boston | | | 2208 | | | | | | |
| 3 | As | hmont Station | | | | | | | | | |
| • | 4 1 | The Carruth | Ashmont Station | Boston, MA | 116 | 2008 | Trinity Financial | n/a | | | |

| 3 | Th | e Victor at North Station | n | | | | | | | | |
|---------------------|--------|--|-------------------------|---------------|------|---------------|--|---------|---------|---------|---------|
| _ | 4 2 | The Victor by Windsor | North Station | Boston, MA | 286 | 2013 | Simpson Housing | \$2,905 | \$3,230 | \$4,485 | n/a |
| 3 | Αv | alon North Station | | | | | | | | | |
| | 4 3 | Avalon North Station | North Station | Boston, MA | 503 | 2016 | AvalonBay Communities Inc. | \$2,770 | \$3,685 | \$4,315 | \$8,760 |
| 3 4 | Th | e Causeway | | | | | | | | | |
| | 4 4 | Causeway at 226 Causeway Street (234 Strada) | North Station | Boston, MA | 108 | 1906, 2004 | Intercontinental Developer | \$2,475 | \$2,966 | \$3,799 | n/a |
| 3 5 | Ga | orden at North Station | | | | | | | | | |
| | 4 5 | Boston Garden Development/ Hub50House | North Station | Boston, MA | 440 | 2019 | Joint venture between Boston Properties, Inc. and Delaware North Companies, Inc. | n/a | \$3,390 | \$4,780 | \$9,320 |
| 3 6 | Во | ston Lading | | | | | | | | | |
| | 4 6 | Lantera | Boston Lading | Boston, MA | 295 | 2018 | NB Development Group | \$2,480 | \$3,151 | \$3,248 | \$5,243 |
| 3 7 | We | ellington Station | | | | | | | | | |
| | 4 7 | 75SL at Station Landing | Wellington Station | Medford, MA | 168 | 2009 | National Development | \$2,698 | \$2,606 | \$3,613 | n/a |
| | 4 8 | Station Landing Apartments | Wellington Station | Medford, MA | 292 | 2006 | National Development | \$2,300 | \$2,338 | \$3,045 | \$4,056 |
| Or | ego | n, Portland | | | 2984 | | | | | | |
| 3 8 | Or | enco Station | | | | | | | | | |
| | 4 9 | Orchards at Orenco (3 buildings) | Orenco Station | Hillsboro, OR | 167 | 2015 | REACH Community Development | n/a | n/a | n/a | n/a |
| | 5 0 | Rowlock | Orenco Station | Hillsboro, OR | 255 | 2015 | Holland Development Partners | \$1,618 | \$1,602 | n/a | n/a |
| | 5 1 | Nexus | Orenco Station | Hillsboro, OR | 422 | 2008 | Simpson Housing, LP | n/a | \$1,754 | \$2,195 | \$2,545 |
| | 5 2 | Tessera | Orenco Station | Hillsboro, OR | 304 | 2014 | Security Properties | n/a | \$1,725 | \$2,165 | \$2,805 |
| | 5 3 | Hub9 | Orenco Station | Hillsboro, OR | 124 | 2015 | Holland Development Partners | \$1,593 | \$1,575 | n/a | n/a |
| | 5 4 | Vector | Orenco Station | Hillsboro, OR | 230 | 2016 | Holland Development Partners | \$1,567 | \$1,641 | \$2,379 | n/a |
| _ | 5 5 | Orenco Gardens Apartments | Orenco Station | Hillsboro, OR | 264 | 2004 | Managed by GB&A | n/a | \$1,420 | \$1,505 | \$2,015 |
| 3 Lents Town Center | | | | | | | | | | | |
| - | 5 6 | Lents Commons Apartments | Lents Town Center | Portland, OR | 54 | 2018 | Prosper Portland (CDC) | \$920 | \$1,190 | \$1,325 | \$1,595 |

| 4 | 5 7 | Oliver Station | Lents Town Center | Portland, OR | 145 | 2018 | Prosper Portland (CDC) | n/a | | | |
|--------|--------|---|--|-------------------|------|------|--|---------|---------|---------|---------|
| 0 | So | outh Waterfront | | | | | | | | | |
| | | South Waterfront (The Vera Riverplace) | SW River Pkwy & Moody | Portland, OR | 203 | 2019 | BRIDGE Housing | n/a | n/a | n/a | n/a |
| | 5 8 | The Ardea Apartments | SW Moody & Gains | Portland, OR | 323 | 2009 | Gerding Edlen Development | \$1,258 | \$1,500 | \$2,002 | n/a |
| | 5 9 | Griffis South Waterfront | SW Moody & Gains SW | Portland, OR | 294 | 2009 | Griffis Residential | \$1,322 | \$1,584 | \$2,753 | n/a |
| | 6 0 | Ella Apartments | Moody & Gains | Portland, OR | 199 | 2016 | Alamo Manhattan | n/a | \$1,626 | \$2,544 | n/a |
| Wa | ashi | ington, DC | | | 5054 | | | | | | |
| 4 | | - | | | | | | | | | |
| 1 | Со | olumbia Heights | | | | | | | | | |
| | 6 1 | Highland Park (2 buildings) | Columbia Heights Metro | Washington, DC | 373 | 2008 | Donatelli Development | \$1,570 | \$1,900 | \$2,840 | n/a |
| 4 | Pe | tworth Station | | | | | | | | | |
| 2 | 6 2 | Park Place at Petworth Metro | Georgia Avenue- Petworth Metro Station | Washington, DC | 161 | 2010 | Donatelli Development | n/a | \$1,908 | \$2,795 | n/a |
| 4 | Fla | ats 130 at Constitution S | Square | | | | | | | | |
| 3 | 6 | Flats 130 at Constitution Square | NoMa - Gallaudet U Metro Station | Washington, DC | 643 | 2013 | Stonebridge | \$1,881 | \$2,304 | \$3,159 | n/a |
| 4 | Мс | onroe Street Market | | | | | | | | | |
| | 6 4 | Monroe Street Market (625 Monroe Street; Phase 1) | Brookland- Cua Metrorail Station | Washington, DC | 562 | 2013 | Abdo Development, The Bozzuto Group | \$1,686 | \$1,983 | \$2,502 | \$4,672 |
| 4 5 | Re | ston Station | | | | | | | | | |
| J | 6 5 | BLVD at Reston Station | Wiehle- Reston East Metro Station | Reston, VA | 448 | 2016 | Comstock | \$1,750 | \$1,810 | \$2,575 | n/a |

| | 6 | Aperture | Wiehle- Reston East Metro Station | Reston, VA | 421 | 2018 | Joint partnership by Reston- based developer Chuck Veatch and Bozzuto Group | n/a | \$1,991 | \$2,549 | n/a |
|--------|--------|---|---|----------------------|------|------|---|---------|---------|---------|---------|
| 4 6 | Ва | Illston Commons | | | | | | | | | |
| 0 | 6 7 | Meridian at Ballston Commons | Ballston- MU Metro Station | Arlington, VA | 433 | 1997 | Paradigm | \$1,975 | \$2,085 | \$2,885 | n/a |
| 4 7 | Pe | entagon City | | | | | | | | | |
| • | 6 8 | The Witmer Pentagon City | Pentagon City Metro Station | Arlington, VA | 440 | 2019 | The Bozzuto Group | n/a | \$2,258 | \$3,612 | \$5,702 |
| 4 8 | Vir | rginia Square | | | | | | | | | |
| | 6 9 | Latitude Apartments | Virginia Square GMU Metrorail Station | Arlington, VA | 265 | 2016 | The Penrose Group | \$2,155 | \$2,375 | \$3,316 | n/a |
| 4 9 | WI | heaton Station | | | 0.2 | | | | | | |
| · | 7 0 | MetroPointe | Wheaton Subway Station | Wheaton, MD | 173 | 2008 | The Bozzuto Group, the Housing Opportunities Commission (HOC) of Montgomery County | n/a | \$1,592 | \$2,080 | n/a |
| | 7 1 | The Exchange at Wheaton Station | Wheaton Subway Station | Wheaton, MD | 486 | 2013 | Foulger-Pratt | \$1,455 | \$1,580 | \$2,147 | n/a |
| | 7 2 | The Flats at Wheaton Station | Wheaton Subway Station | Wheaton, MD | 243 | 2005 | The Bozzuto Group | n/a | \$1,520 | n/a | n/a |
| 5 0 | Sil | ver Spring Station | | | | | | | | | |
| · | 7 | Lenox Park Apartments | Silver Spring Train Station | Silver Spring, MD | 406 | 1992 | Bernstein Management Corporation | n/a | \$1,310 | \$1,810 | \$3,300 |
| Te | xas | , Austin | | | 1091 | | | | | | |
| 5 1 | Pla | aza Saltillo | | | | | | | | | |
| | 7 4 | Plaza Satillo Development (4 buildings); Residences at Satillo | Plaza Saltillo Station | Austin, TX | 703 | 2019 | Endeavor Real Estate Group | n/a | n/a | n/a | n/a |
| 5 2 | Kr | amer Station | | | | | | | | | |
| | 7 5 | The Addison / The Domain Apartments | Kramer Station | Austin, TX | 388 | 2015 | Simpson Housing | n/a | \$1,545 | \$2,285 | \$2,760 |

| Te | exas | s, Dallas | | | 6026 | | | | | | |
|--------|--------|--|--|----------------|------|---------------|--|---------|---------|---------|---------|
| 5 3 | Cit | tyLine/ Bush Station | | | | | | | | | |
| 3 | 7 6 | Alexan Crossings & Axis 110 | CityLine/ Bush Station | Richardson, TX | 705 | 2017, 2018 | TrammellCrowResidential | \$1,329 | \$1,339 | \$1,795 | \$2,460 |
| | 7 7 | Anthem Cityline | CityLine/ Bush Station | Richardson, TX | 233 | 2015 | JLB Partners | n/a | \$1,257 | \$1,743 | \$2,558 |
| 5 4 | Ga | alatyn Park Station | | | | | | | | | |
| | 7 8 | Galatyn Station Apartments | Galatyn Station | Richardson, TX | 284 | 2008 | Managed by ZRS Management | n/a | \$1,066 | \$1,591 | \$1,870 |
| | 7 9 | Cue Galatyn Station Apartments | Galatyn Station | Richardson, TX | 373 | 2020 | Davis Development | n/a | \$1,293 | \$2,002 | n/a |
| 5 5 | Do | owntown Plano Station | | | | | | | | | |
| | 8 0 | BelAir K Station Apartments | Downtown Plano Station | Plano, TX | 245 | 2003 | American Communities | \$895 | \$1,085 | \$1,295 | n/a |
| _ | 8 1 | Junction 15 Apartments | Downtown Plano Station | Plano, TX | 279 | 2014 | Lincoln Property Company | \$1,055 | \$1,225 | \$1,750 | \$3,150 |
| 5 6 | La | s Colinas | | | 0.5 | | | | | | |
| | 8 2 | The Carolyn | Las Colinas Urban Center Station | Irving, TX | 319 | 2019 | Lincoln Property Company (property management) | \$1,470 | \$1,420 | \$1,895 | \$2,995 |
| | 8 | Crest at Las Colinas Station | Las Colinas Urban Center Station | Irving, TX | 374 | 2016 | Lennar Multifamily Communities | \$1,286 | \$1,291 | \$1,766 | n/a |
| 5 7 | Do | owntown Carrollton Stat | ion | | | | | | | | |
| | 8 4 | Union at Carrollton Square (Phase 1 and 2) | Downtown Carrollton Station | Carrollton, TX | 311 | 2012, 2014 | Trammell Crow Company | n/a | \$1,281 | \$1,612 | n/a |
| | 8 5 | Lux on Main | Downtown Carrollton Station | Carrollton, TX | 352 | 2018 | Olympus Property | n/a | \$1,560 | \$2,191 | n/a |
| 5 8 | М | ockingbird Station | | | | | | | | | |
| - | 8 6 | The Lofts at Mockingbird Station | SMU/ Mockingbir d Station | Dallas, TX | 211 | 2001 | Lincoln Property Company (property management) | n/a | \$1,462 | \$2,303 | n/a |

| _ | 8 7 | 5 Mockingbird | SMU/ Mockingbir d Station | Dallas, TX | 449 | 1998 | Crow Holdings | \$1,265 | \$1,470 | \$1,725 | \$2,690 |
|---------------------------------|-------------------------------|--|---|----------------|-----|---------------|--|---------|---------------|---------------|---------|
| 5 9 | Cityplace/Uptown | | | | | | | | | | |
| | 8 | The Sawyer Apartments | CityPlace/ Uptown Station CityPlace/ | Dallas, TX | 103 | 2005 | Pollack Shores | n/a | \$1,321 | \$2,108 | n/a |
| | 8 9 | Ardan | Uptown Station | Dallas, TX | 389 | 2019 | Millcreek Residential | n/a | \$2,142 | \$3,382 | n/a |
| 6 0 | Lancaster Urban Village | | | | | | | | | | |
| U | 9 | Lancaster Urban Village | VA Medical Center Station | Dallas, TX | 193 | 2014 | City Wide Community Development Corporation in partnership with Catalyst Urban Development, LLC and the Urban League | \$750 | \$850 | \$1,100 | \$1,319 |
| 6 1 | Spring Valley Station | | | | | | | | | | |
| • | 9 1 | Brick Row Apartments | Spring Valley Station | Richardson, TX | 577 | 2009 | Winston Capital Corp. in partnership with the Michigan State Public Employees Retirement System | n/a | \$1,245 | \$1,870 | n/a |
| 6 2 | Downtown Garland Station | | | | | | | | | | |
| - | 9 2 | Oaks 5th Street Crossing (Phase 1 and 2) | Downtown Garland Station | Garland, TX | 341 | 2008, 2015 | Oaks Properties (property management) | \$1,050 | \$1,155 | \$1,526 | n/a |
| 6 3 | | | | | | | | | | | |
| Ū | 9 3 | Parker House Apartments | T&P Station | Fort Worth, TX | 130 | 2016 | South Oxford Management (property management) | n/a | \$1,285 | \$1,548 | n/a |
| 6 4 | Grapevine/Main Street Station | | | | | | | | | | |
| | 9 4 | Resort at 925 | Grapevine /Main Street Station | Grapevine, TX | 251 | 2008 | Paramount Investments (property management) | n/a | \$1,380 | \$1,999 | n/a |
| Pennsylvania, Philadelphia 1149 | | | | | | | | | | | |
| 6 5 | Te 9 | mple University Station Paseo Verde South | Temple | Philadelphia, | 400 | 0040 | Jonathan Rose Companies and Asociacíon | - 1- | 04 075 | 04 540 | |
| 6 | 5 | Apartments th Street Station | University Station | PA | 120 | 2013 | Puertorriqueños en Marcha (APM) | n/a | \$1,275 | \$1,542 | n/a |

| 6 | 9 6 | The Ludlow Apartments sworth/Federal Station | 11th Street Station | Philadelphia, PA | 322 | 2018 | NREA Development | \$1,698 | \$1,866 | \$2,658 | n/a |
|--------|-----------------------|--|---|---------------------|--------------------------------|------|-------------------------------------|---------|---------|---------|---------|
| 7 | 9 | Lincoln Square | Ellsworth/ Federal Station | Philadelphia, PA | 322 | 2018 | Alterra Property Group | \$1,365 | \$1,825 | \$2,675 | \$3,365 |
| 6 8 | Sp 9 8 | ring Mill Station The Courts at Spring Mill Station | Spring Mill Station | Conshohocken, PA | 385 | 2014 | Home Properties Whitemarsh | n/a | \$1,743 | \$2,558 | n/a |
| Ma | | and, Baltimore | O.C.C. | .,. | 368 | | | | | | |
| 6 9 | • | vings Mills Station | | | | | | | | | |
| | 9 9 | The Apartments at Metro Centre | Owings Mills Metro Station | Owings Mills, MD | 232 | 2020 | David S. Brown Enterprises, Ltd. | n/a | \$1,750 | \$1,890 | n/a |
| 7 0 | Sy | mphony Center | | | | | | | | | |
| · | 1 0 0 | Symphony Center Apartments | Cultural Center Station | Baltimore, MD | 136 | 2004 | David S. Brown Enterprises, Ltd. | n/a | n/a | \$2,065 | n/a |
| Ge | org | ia, Atlanta | | | 364 | | | | | | |
| 7 1 | Lin | ndbergh Center Station | | | | | | | | | |
| | 1 0 1 | Avana on Main | Lindbergh Center Transit Station | Atlanta, GA | 364 | 2007 | Greystar | \$1,020 | \$1,070 | \$1,480 | \$1,835 |
| Oh | nio, | Cleveland | | | 272 | | | | | | |
| 7 2 | Lit | tle Italy University Circl | e Station | | | | | | | | |
| - | 1 0 2 | Centric | Little Italy University Circle Station | Cleveland, OH | 272 | 2018 | Midwest Development Partners | n/a | \$1,560 | \$2,475 | n/a |
| Ca | lifo | rnia, San Diego | | | 605 | | | | | | |
| 7 | Hazard Center Station | | | | | | | | | | |
| | 1 0 3 | 2-story high condominium buildings south of the station) | Hazard Center Station | San Diego, CA | 120 (3 per building) | 1997 | n/a | n/a | n/a | \$2,600 | n/a |
| 7 4 | | Smart Corn | ed at City Co | llage Station | | | | | | | |

| 7 | 1 0 4 | Smart Corner Condominiums | City Collage Station | San Diego, CA | 301 | 2007 | Lankford & Associates, Inc. | \$2,100 | \$2,700 | \$2,800 | n/a |
|------------------|--------------------------------------|---|--|--------------------|------|--|---|---------|---------|---------|---------|
| 7 5 | 1 0 5 | e Village at Morena Vis The Village at Morena Vista | Morena/Li nda Vista Station | San Diego, CA | 184 | 2005 | City Link Investment Corporation in collaboration with Morena Vista LLC, Metropolitan Transit System (MTS), UBS Global Asset Management Real Estate, the City of San Diego Redevelopment Agency, the San Diego Housing Commission | n/a | \$1,992 | \$2,053 | \$2,642 |
| Mi | nne | sota, Minneapolis-St Pa | aul | | 466 | | | | | | |
| 7 6 | Oa | ks Station Place | | | | | | | | | |
| | 1 0 6 | Oaks Station Place | 46th Street Station | Minneapolis, MN | 104 | 2013 | Oaks Properties | \$1,138 | \$1,405 | \$1,759 | n/a |
| 7 7 | На | mline Station | | | | | | | | | |
| 7 1 0 7 | 0 | Hamline Station East & Hamline Station West (2 buildings) | Hamline Avenue Station | St Paul, MN | 108 | 2011 | Project for Pride in Living (residential) and Excelsior Bay Partners (commercial) | n/a | n/a | n/a | n/a |
| | e Penfield The Penfield Apartments | 10th Street Station | St Paul, MN | 254 | 2013 | In 2010 the City stepped in as the equity investor and developer; in 2016 sold to LaSalle Investment Management, a subsidiary of Chicago-based real estate company, JLL. | \$1,162 | \$1,472 | \$1,689 | \$2,462 | |
| | nns | sylvania, Pittsburgh | | | 319 | | | | | | |
| 7 9 | GI: 1 0 9 | asshouse Glasshouse | Station Square Subway Station | Pittsburgh, PA | 319 | 2019 | Trammell Crow Co. Subsidiary High Street Residential | n/a | \$2,248 | \$3,439 | n/a |
| Te | xas | , Houston | 21011011 | | 672 | | | | | | |
| 8 | Мс | Gowen Station | | | | | | | | | |
| | 1 | Camden McGowen Station Apartments | McGowen Station | Houston, TX | 315 | 2018 | Camden Property Trust | \$1,749 | \$1,819 | \$2,499 | n/a |

| 8 Midtown Main 1 1 Mid Main Lofts | Ensemble/ | Houston, TX | 357 | 2016 | Greystar (property management) | \$1,216 | \$1,395 | \$1,718 | n/a |
|---|--------------------------------------|-----------------------|------|------|---|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 Utah, Salt Lake City | Station | | 1221 | | a.iagoo.i.y | | | | |
| 8 City Creek | | | | | | | | | |
| 1 1 City Creek Landing 2 | City Center Station | Salt Lake City, UT | 111 | 2011 | City Creek Reserve Inc., a for- profit firm owned by the Church of Jesus Christ of Latter-day Saints | n/a | n/a | n/a | n/a |
| 8 3 Gateway | | | 0.2 | | | | | | |
| 1 Gateway 505/ Alta Gateway Station | Old Greektown Station | Salt Lake City, UT | 277 | 2017 | Wood Partners | \$1,418 | \$1,667 | \$2,186 | \$2,281 |
| 8 4 Fireclay village | | | | | | | | | |
| 1 Avida Apartments 4 | Murray North Station | Murray, UT | 400 | 2013 | Fireclay Investment Partners; in 2019 sold to SREIT AVIDA, LLC | n/a | \$1,267 | \$1,370 | \$1,772 |
| 1 Murray Depot 5 | Murray North Station Murray | Murray, UT | 93 | 2020 | Horizon Development | n/a | n/a | n/a | n/a |
| 1 Metro at Fireclay6 | North Station | Murray, UT | 340 | 2018 | Alliance Residential Company | n/a | \$1,219 | \$1,697 | n/a |
| Missouri, St Louis | | | 70 | | | | | | |
| 8 Forsyth Station | | | | | | | | | |
| 1 The Crescent Condos 7 | Forsyth Station | Clayton, MO | 70 | 2007 | Visionary Capital | n/a (condomi nium) | n/a (condomini um) | n/a (condomini um) | n/a (condomini um) |

APPENDIX D MARKET-RATE HOUSING AFFORDABILITY

The following tables show market-rate housing affordability for low- and moderate-income households in each TOD. Data on AMI comes from the HUD website directly. We will start by showing affordability for four-person households, followed by three-person and two-person households. Same as the previous appendix, the first column represents the TOD number while the second column shows the property/building number. Note that the maximum monthly rent that a moderate-income household can pay for housing to be considered affordable (i.e., maximum 30% of income) is shown in blue, while this value for low-income households is shown in red.

Affordability of market-rate two-bedroom (and three-bedroom) housing for low- and moderate-income four-person households based on the AMI

| TODs: region, name, buildings (if different developers) | Transit Station | County | aparti (lowest a | t priced ments available ce) | AMI | Moderate (80%) Income Limits | 30% of Moderat e- Income Limits | MAX monthly rent | Low (50%) Income Limits | 30% of Low- Income Limits | MAX monthl y rent |
|--|---------------------------------|-------------------------|---------------------|---------------------------------------|------------------------|---------------------------------------|---|------------------------|----------------------------------|------------------------------------|-------------------------|
| | | | 2-bed | 3-bed | | | | | | | |
| Colorado (Denver, Englewood) | | | | | | | | | | | |
| Mariposa at Osage Station Mariposa Apartments (Phase 1, 2, 3 and 4) Englewood Station | Osage Station | Arapahoe | n/a | n/a | \$104,800 | \$79,900 | \$23,970 | \$1,998 | \$52,400 | \$15,720 | \$1,310 |
| 2 Art Walk at City Center | Englewood Station | Arapahoe | \$1,905 | \$2,806 | \$104,800 | \$79,900 | \$23,970 | \$1,998 | \$52,400 | \$15,720 | \$1,310 |
| Washington (Seattle) | | | | | | | | | | | |
| 3 Othello Station | | | | | | | | | | | |
| The Station at Othello Park Assembly118 | Othello Station Othello Station | King County King County | \$2,465 \$2,880 | n/a n/a | \$115,700 \$115,700 | \$90,500 \$90,500 | \$27,150 \$27,150 | \$2,263 \$2,263 | \$57,850 \$57,850 | \$17,355 \$17,355 | \$1,446 \$1,446 |
| Apartments | | , | . , | | . , | . , | . , | | . , | . , | . , |
| 5 Mercy Othello Plaza | Othello Station | King County | n/a | n/a | \$115,700 | \$90,500 | \$27,150 | \$2,263 | \$57,850 | \$17,355 | \$1,446 |
| California (Bay Area) | | | | | | | | | | | |
| Fruitvale Village Fruitvale Village (Phase 1, Phase 2 and Phase 3) Pleasant Hill/ Contra Costa | Fruitvale Station (BART) | Alameda | n/a | n/a | \$125,600 | \$109,600 | \$32,880 | \$2,740 | \$68,500 | \$20,550 | \$1,713 |

| | 7 | Avalon Walnut Creek | Contra Costa Center (BART) Station | Contra Costa | \$3,242 | \$3,964 | \$125,600 | \$109,600 | \$32,880 | \$2,740 | \$68,500 | \$20,550 | \$1,713 |
|--------|--------|--|--|--------------|---------|----------|-----------|-----------|----------|---------|----------|----------|---------|
| 6 | IVI | acArthur Station | | | | | | | | | | | |
| | 8 | The Skylyne at Temescal | MacArthur Station (BART) | Alameda | \$3,452 | \$4,778 | \$125,600 | \$109,600 | \$32,880 | \$2,740 | \$68,500 | \$20,550 | \$1,713 |
| | 9 | MacArthur Commons | MacArthur Station (BART) | Alameda | \$3,010 | n/a | \$125,600 | \$109,600 | \$32,880 | \$2,740 | \$68,500 | \$20,550 | \$1,713 |
| | 1 0 | Mural at MacArthur | MacArthur Station (BART) | Alameda | n/a | n/a | \$125,600 | \$109,600 | \$32,880 | \$2,740 | \$68,500 | \$20,550 | \$1,713 |
| Ca | lifor | nia (Sacramento) | | | | | | | | | | | |
| 7 | La | Valentina | | | | | | | | | | | |
| | 1 1 | La Valentina Apartments and La Valentina North | La Valentina Station | Sacramento | n/a | n/a | \$91,100 | \$72,500 | \$21,750 | \$1,813 | \$45,300 | \$13,590 | \$1,133 |
| 8 | Ice | Blocks | | | | | | | | | | | |
| | 1 2 | Ice House Midtown Apartments | 16th Street Station | Sacramento | \$2,500 | n/a | \$91,100 | \$72,500 | \$21,750 | \$1,813 | \$45,300 | \$13,590 | \$1,133 |
| 9 | Un | iversity/65th Street Statio | on | | | | | | | | | | |
| | 1 3 | F/65 Lofts | University/65th Street Station | Sacramento | | | \$91,100 | \$72,500 | \$21,750 | \$1,813 | \$45,300 | \$13,590 | \$1,133 |
| Ca | lifor | nia (Los Angeles area) | | | | | | | | | | | |
| 1 0 | Exp | po/Sepulveda Station | | | | | | | | | | | |
| | 1 4 | Linea Apartments | Expo/Sepulveda Station | Los Angeles | \$4,153 | \$15,161 | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
| 1 | Wi | Ishire Vermont | | | | | | | | | | | |
| • | 1 5 | Wilshire Vermont Luxury Apartments | Wilshire/ Vermont Station | Los Angeles | \$2,816 | n/a | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
| 1 2 | The | e Vermont | | | | | | | | | | | |
| 2 | 1 6 | The Vermnont Apartments | Wilshire/ Vermont Station | Los Angeles | \$3,409 | n/a | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
| 1 | | Ishire/ Western | | | | | | | | | | | |
| 3 | 1 7 | Solair Wilshire Apartments | Wilshire/ Western Station | Los Angeles | \$2,420 | \$3,220 | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
| 1 4 | Но | llywood/ Vine | | | | | | | | | | | |

| | 1 8 | 1600 Vine | Hollywood/ Vine | Los Angeles | \$3,758 | n/a | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
|--------|--------|---|-----------------------------|-------------|---------|-----|-----------|----------|----------|---------|----------|----------|---------|
| | 1 9 | Eastown Apartments | Hollywood/ Vine | Los Angeles | \$3,185 | n/a | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
| | 2 | El Centro Apartments & Bungalows | Hollywood/ Vine | Los Angeles | \$3,735 | n/a | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
| | 2 1 | Argyle House | Hollywood/ Vine | Los Angeles | n/a | n/a | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
| 1 5 | Но | llywood/ Western | | | | | | | | | | | |
| , | 2 | Hollywood/ Western (Phase 1 and Phase 2) | Hollywood/ Western | Los Angeles | n/a | n/a | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
| 1 6 | Ma | cArthur Park | | | | | | | | | | | |
| Ū | 2 3 | MacArthur Park | Westlake/MacA rthur Park | Los Angeles | n/a | n/a | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
| 1 7 | Но | llywood/ Highland | | | | | | | | | | | |
| | 2 4 | 1724 Highland Apartments | Hollywood/ Highland | Los Angeles | \$2,675 | n/a | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
| 1 8 | De | Mar Station | | | | | | | | | | | |
| | 2 5 | Avalon/ Del Mar Station Apartments | Del Mar Station | Los Angeles | \$3,138 | n/a | \$80,000 | \$94,600 | \$28,380 | \$2,365 | \$59,100 | \$17,730 | \$1,478 |
| Ne | w Je | ersey | | | | | | | | | | | |
| 1 9 | Me | etuchen Station | | | | | | | | | | | |
| | 2 6 | Woodmont Metro Apartments | Metuchen Station | Middlesex | \$3,215 | n/a | \$123,200 | \$81,750 | \$24,525 | \$2,044 | \$61,600 | \$18,480 | \$1,540 |
| 2 0 | Ha | rrison Station | | | | | | | | | | | |
| | 2 7 | Harrison Station 300 | Harrison Station | Gloucester | \$2,635 | n/a | \$94,500 | \$75,600 | \$22,680 | \$1,890 | \$47,250 | \$14,175 | \$1,181 |
| | 2 8 | 330 Harrison Station | Harrison Station | Gloucester | \$2,910 | n/a | \$94,500 | \$75,600 | \$22,680 | \$1,890 | \$47,250 | \$14,175 | \$1,181 |
| | 2 9 | Harrison Urby Apartments | Harrison Station | Gloucester | \$3,170 | n/a | \$94,500 | \$75,600 | \$22,680 | \$1,890 | \$47,250 | \$14,175 | \$1,181 |
| 2 1 | Cra | inford Station | | | | | | | | | | | |
| | 3 0 | Riverfront at Cranford Station | Cranford Station | Union | \$3,210 | n/a | \$107,400 | \$79,900 | \$23,970 | \$1,998 | \$53,700 | \$16,110 | \$1,343 |

| 2 2 | Blo | oomfield Station | | | | | | | | | | | |
|--------|--------|---|--|-------------|---------|---------|-----------|----------|----------|---------|----------|----------|---------|
| | 3 1 | Avalon Bloomfield Station | Bloomfield Station | Essex | \$2,631 | n/a | \$107,400 | \$79,900 | \$23,970 | \$1,998 | \$53,700 | \$16,110 | \$1,343 |
| 2 3 | М | orristown Station | | | | | | | | | | | |
| | 3 2 | Sofi/ The Highlands at Morristown Station | Morristown Station | Morris | \$3,011 | n/a | \$107,400 | \$79,900 | \$23,970 | \$1,998 | \$53,700 | \$16,110 | \$1,343 |
| 2 4 | Ga | teway Transit Village | | | | | | | | | | | |
| • | 3 | Gateway Transit Village/ The Vue Apartments | New Brunswick Station | Middlesex | \$2,237 | n/a | \$123,200 | \$81,750 | \$24,525 | \$2,044 | \$61,600 | \$18,480 | \$1,540 |
| 2 5 | Ra | hway Station | | | | | | | | | | | |
| | 3 4 | Skyview Luxury | Rahway Station | Union | \$1,875 | n/a | \$107,400 | \$79,900 | \$23,970 | \$1,998 | \$53,700 | \$16,110 | \$1,343 |
| 2 6 | We | estmont Station | | | | | | | | | | | |
| | 3 5 | Haddon Towne Center | Westmont Station | Camden | \$1,950 | \$2,825 | \$94,500 | \$75,600 | \$22,680 | \$1,890 | \$47,250 | \$14,175 | \$1,181 |
| | rida | a (Miami) | | | | | | | | | | | |
| 2 7 | Bro | ownsville Transit Village | | | | | | | | | | | |
| | 3 6 | Brownsville Transit Village (Phases 1,2,3,4, and 5) | Brownsville Metrorail station | Miami-Dade | n/a | n/a | \$61,000 | \$72,300 | \$21,690 | \$1,808 | \$45,200 | \$13,560 | \$1,130 |
| 2 8 | Da | deland Station | | | | | | | | | | | |
| | 3 7 | Motion at Dadeland | Dadeland North Metrorail Station | Miami-Dade | \$3,207 | n/a | \$61,000 | \$72,300 | \$21,690 | \$1,808 | \$45,200 | \$13,560 | \$1,130 |
| Ne | w Y | ork | | | | | | | | | | | |
| 2 9 | Wy | yandanch Village | | | | | | | | | | | |
| , | 3 8 | Wyandanch Village (4 buildings) | Wyandach LIRR station | Suffolk | \$2,700 | n/a | \$129,900 | \$94,900 | \$28,470 | \$2,373 | \$64,950 | \$19,485 | \$1,624 |
| 3 0 | Yo | nkers Station | | | | | | | | | | | |
| ٠ | 3 9 | Hudson Park North&South | Yonkers Station | Westchester | \$2,315 | n/a | \$127,500 | \$90,550 | \$27,165 | \$2,264 | \$63,750 | \$19,125 | \$1,594 |

| 4 | | Yonkers Station | Westchester | \$3,062 | n/a | \$127,500 | \$90,550 | \$27,165 | \$2,264 | \$63,750 | \$19,125 | \$1,594 |
|-------------|--|-----------------------|-------------|---------|---------|-----------|-----------|----------|---------|----------|----------|---------|
| Mass | achusetts, Boston | | | | | | | | | | | |
| 3 1 | shmont Station | | | | | | | | | | | |
| 4 1 | The Carruth | Ashmont Station | Suffolk | | | \$120,800 | \$101,050 | \$30,315 | \$2,526 | \$67,100 | \$20,130 | \$1,678 |
| 3 2 | he Victor at North Station | | | | | | | | | | | |
| - 4 2 | The Victor by Mindsor | North Station | Suffolk | \$4,485 | n/a | \$120,800 | \$101,050 | \$30,315 | \$2,526 | \$67,100 | \$20,130 | \$1,678 |
| 3 3 | valon North Station | | | | | | | | | | | |
| 4 | Avalon North Station | North Station | Suffolk | \$4,315 | \$8,760 | \$120,800 | \$101,050 | \$30,315 | \$2,526 | \$67,100 | \$20,130 | \$1,678 |
| 3 4 | he Causeway | | | | | | | | | | | |
| 4 4 | Causeway at 226 Causeway Street (234 Strada) | North Station | Suffolk | \$3,799 | n/a | \$120,800 | \$101,050 | \$30,315 | \$2,526 | \$67,100 | \$20,130 | \$1,678 |
| 3 5 | arden at North Station | | | | | | | | | | | |
| 4 | Boston Garden Development/ Hub50House | North Station | Suffolk | \$4,780 | \$9,320 | \$120,800 | \$101,050 | \$30,315 | \$2,526 | \$67,100 | \$20,130 | \$1,678 |
| 3 6 | oston Lading | | | | | | | | | | | |
| 4 | Lantora | Boston Lading | Suffolk | \$3,248 | \$5,243 | \$120,800 | \$101,050 | \$30,315 | \$2,526 | \$67,100 | \$20,130 | \$1,678 |
| 3 7 | Vellington Station | | | | | | | | | | | |
| - 4 7 | 75SL at Station Landing | Wellington Station | Middlesex | \$3,613 | n/a | \$112,900 | \$79,900 | \$23,970 | \$1,998 | \$56,450 | \$16,935 | \$1,411 |
| 4 8 | · · | Wellington Station | Middlesex | \$3,045 | \$4,056 | \$112,900 | \$79,900 | \$23,970 | \$1,998 | \$56,450 | \$16,935 | \$1,411 |
| | on, Portland | | | | | | | | | | | |
| 3 8 | Prenco Station | | | | | | | | | | | |
| 4 | 0.0 | Orenco Station | Washington | n/a | n/a | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |

| | 5 | Rowlock | Orenco Station | Washington | n/a | n/a | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
|--------|--------|--|--|----------------------|---------|---------|-----------|----------|----------|---------|----------|----------|---------|
| | 5 1 | Nexus | Orenco Station | Washington | \$2,195 | \$2,545 | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
| | 5 | Tesserae | Orenco Station | Washington | \$2,165 | \$2,805 | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
| | 5 | Hub9 | Orenco Station | Washington | n/a | n/a | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
| | 5 4 | Vector | Orenco Station | Washington | \$2,379 | n/a | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
| | 5 5 | Orenco Gardens Apartments | Orenco Station | Washington | \$1,505 | \$2,015 | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
| 3 9 | Ler | nts Town Center | | | | | | | | | | | |
| , | 5 6 | Lents Commons Apartments | Lents Town Center | Multnomah | \$1,325 | \$1,595 | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
| | 5 7 | Oliver Station | Lents Town Center | Multnomah | | | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
| 4 0 | Sou | uth Waterfront | | | | | | | | | | | |
| | | South Waterfront (The Vera RiverPlace) | SW River Pkwy & Moody | Multnomah | n/a | n/a | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
| | 5 8 | The Ardea Apartments | SW Moody & Gains | Multnomah | \$2,002 | n/a | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
| | 5 9 | Griffis South Waterfront | SW Moody & Gains | Multnomah | \$2,753 | n/a | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
| | 6 0 | Ella Apartments | SW Moody & Gains | Multnomah | \$2,544 | n/a | \$96,900 | \$77,350 | \$23,205 | \$1,934 | \$48,350 | \$14,505 | \$1,209 |
| Wa | shir | ngton, DC | | | | | | | | | | | |
| 4 1 | Col | umbia Heights | | | | | | | | | | | |
| | 6 1 | Highland Park (2 buildings) | Columbia Heights Metro | District of Columbia | \$2,840 | n/a | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| 4 2 | Pet | tworth Station | | | | | | | | | | | |
| | 6 2 | Park Place at Petworth Metro | Georgia Avenue- Petworth Metro Station | District of Columbia | \$2,795 | n/a | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| 4 3 | Fla | ts 130 at Constitution Squ | | | | | | | | | | | |

| | 6 | Flats 130 at Constitution Square | NoMa - Gallaudet U Metro Station | District of Columbia | \$3,159 | n/a | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
|--------|--------|---|---|-------------------------|---------|---------|-----------|----------|----------|---------|----------|----------|---------|
| 4 | М | onroe Street Market | | | | | | | | | | | |
| | 6 4 | Monroe Street Market (625 Monroe Street; Phase 1) | Brookland-Cua Metrorail Station | District of Columbia | \$2,502 | \$4,672 | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| 4 5 | Re | ston Station | | | | | | | | | | | |
| | 6 5 | BLVD at Reston Station | Wiehle-Reston East Metro Station | Fairfax | \$2,575 | n/a | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| | 6 6 | Aperture | Wiehle-Reston East Metro Station | Fairfax | \$2,549 | n/a | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| 4 6 | Ва | llston Commons | | | | | | | | | | | |
| Ū | 6 7 | Meridian at Ballston Commons | Ballston-MU Metro Station | Arlington | \$2,885 | n/a | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| 4 7 | Pe | ntagon City | | | | | | | | | | | |
| | 6 8 | The Witmer Pentagon City | Pentagon City Metro Station | Arlington | \$3,612 | \$5,702 | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| 4 8 | Vir | ginia Square | | | | | | | | | | | |
| | 6 9 | Latitude Apartments | Virginia Square GMU Metrorail Station | Arlington | \$3,316 | n/a | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| 4 9 | W | neaton Station | | | | | | | | | | | |
| | 7 0 | MetroPointe | Wheaton Subway Station | Montgomer y | \$2,080 | n/a | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| | 7 1 | The Exchange at Wheaton Station | Wheaton Subway Station | Montgomer y | \$2,147 | n/a | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| | 7 2 | The Flats at Wheaton Station | Wheaton Subway Station | Montgomer y | n/a | n/a | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| 5 0 | Silv | ver Spring Station | | | | | | | | | | | |
| | 7 3 | Lenox Park Apartments | Silver Spring Train Station | Montgomer y | \$1,810 | \$3,300 | \$129,000 | \$82,300 | \$24,690 | \$2,058 | \$64,500 | \$19,350 | \$1,613 |
| Te | xas, | Austin | | | | | | | | | | | |

| 5 1 | Pla | za Saltillo | | | | | | | | | | | |
|--------|--------|---|--|---------------------------|---------|---------|----------|----------|----------|---------|----------|----------|---------|
| - | 7 4 | Plaza Satillo Development (4 buildings); Residences at Satillo | Plaza Saltillo Station | Travis | n/a | n/a | \$98,900 | \$79,100 | \$23,730 | \$1,978 | \$49,450 | \$14,835 | \$1,236 |
| 5 2 | Kra | amer Station | | | | | | | | | | | |
| | 7 5 | The Addison / The Domain Apartments | Kramer Station | Travis | \$2,285 | \$2,760 | \$98,900 | \$79,100 | \$23,730 | \$1,978 | \$49,450 | \$14,835 | \$1,236 |
| Te | xas, | Dallas | | | | | | | | | | | |
| 5 3 | Cit | yLine/ Bush Station | | | | | | | | | | | |
| J | 7 6 | Alexan Crossings & Axis 110 | CityLine/ Bush Station | Dallas, Collin | \$1,795 | \$2,460 | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| | 7 7 | Anthem Cityline | CityLine/ Bush Station | Dallas, Collin | \$1,743 | \$2,558 | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| 5 4 | Ga | latyn Park Station | | | | | | | | | | | |
| | 7 8 | Galatyn Station Apartments | Galatyn Station | Dallas, Collin | \$1,591 | \$1,870 | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| | 7 9 | Cue Galatyn Station Apartments | Galatyn Station | Dallas, Collin | \$2,002 | n/a | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| 5 5 | Do | wntown Plano Station | | | | | | | | | | | |
| | 8 | BelAir K Station Apartments | Downtown Plano Station | Collin, Denton | \$1,295 | n/a | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| | 8 1 | Junction 15 Apartments | Downtown Plano Station | Collin, Denton | \$1,750 | \$3,150 | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| 5 6 | Las | s Colinas | | | | | | | | | | | |
| Ū | 8 2 | The Carolyn | Las Colinas Urban Center Station | Dallas | \$1,895 | \$2,995 | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| | 8 | Crest at Las Colinas Station | Las Colinas Urban Center Station | Dallas | \$1,766 | n/a | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| 5 7 | Do | wntown Carrollton Statio | n | | | | | | | | | | |
| | 8 4 | Union at Carrollton Square (Phase 1 and 2) | Downtown Carrollton Station | Denton, Dallas, Collin | \$1,612 | n/a | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |

| | 8 5 | Lux on Main | Downtown Carrollton Station | Denton, Dallas, Collin | \$2,191 | n/a | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
|--------|--------|--|-----------------------------------|---------------------------|---------|---------|----------|----------|----------|---------|----------|----------|---------|
| 5 8 | Mo | ockingbird Station | | | | | | | | | | | |
| | 8 | The Lofts at Mockingbird Station | SMU/ Mockingbird Station | Dallas | \$2,303 | n/a | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| | 8 7 | 5 Mockingbird | SMU/ Mockingbird Station | Dallas | \$1,725 | \$2,690 | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| 5 9 | Cit | yplace/Uptown | | | | | | | | | | | |
| | 8 8 | The Sawyer Apartments | CityPlace/ Uptown Station | Dallas | \$2,108 | n/a | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| | 8 9 | Ardan | CityPlace/ Uptown Station | Dallas | \$3,382 | n/a | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| 6 0 | Lar | ncaster Urban Village | | | | | | | | | | | |
| | 9 0 | Lancaster Urban Village | VA Medical Center Station | Dallas | \$1,100 | \$1,319 | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| 6 1 | Spi | ring Valley Station | | | | | | | | | | | |
| | 9 1 | Brick Row Apartments | Spring Valley Station | Dallas, Collin | \$1,870 | n/a | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| 6 2 | Do | wntown Garland Station | | | | | | | | | | | |
| | 9 | Oaks 5th Street Crossing (Phase 1 and 2) | Downtown Garland Station | Dallas | \$1,526 | n/a | \$89,000 | \$71,200 | \$21,360 | \$1,780 | \$44,500 | \$13,350 | \$1,113 |
| 6 3 | Pai | rker House | | | | | | | | | | | |
| • | 9 3 | Parker House Apartments | T&P Station | Tarrant | \$1,548 | n/a | \$80,800 | \$64,650 | \$19,395 | \$1,616 | \$40,400 | \$12,120 | \$1,010 |
| 6 4 | Gr | apevine/Main Street Stat | ion | | | | | | | | | | |
| | 9 4 | Resort at 925 | Grapevine/Main Street Station | Tarrant | \$1,999 | n/a | \$80,800 | \$64,650 | \$19,395 | \$1,616 | \$40,400 | \$12,120 | \$1,010 |
| Pe | nnsy | ylvania, Philadelphia | | | | | | | | | | | |

⁶ Temple University Station

| | 9 5 | Paseo Verde South Apartments | Temple University Station | Philadelphia | \$1,542 | n/a | \$94,500 | \$75,600 | \$22,680 | \$1,890 | \$47,250 | \$14,175 | \$1,181 |
|--------|-------------|--|--|-------------------|---------|---------|-----------|----------|----------|---------|----------|----------|---------|
| 6 6 | 9 6 | th Street Station The Ludlow Apartments | 11th Street Station | Philadelphia | \$2,658 | n/a | \$94,500 | \$75,600 | \$22,680 | \$1,890 | \$47,250 | \$14,175 | \$1,181 |
| 7 6 | 9 7 | sworth/Federal Station Lincoln Square | Ellsworth/Feder al Station | Philadelphia | \$2,675 | \$3,365 | \$94,500 | \$75,600 | \$22,680 | \$1,890 | \$47,250 | \$14,175 | \$1,181 |
| 8 | 9 8 | ring Mill Station The Courts at Spring Mill Station | Spring Mill Station | Montgomer y | \$2,558 | n/a | \$94,500 | \$75,600 | \$22,680 | \$1,890 | \$47,250 | \$14,175 | \$1,181 |
| 6 | - | and, Baltimore | | | | | | | | | | | |
| 9 | 9 9 | vings Mills Station The Apartments at Metro Centre | Owings Mills Metro Station | Baltimore | \$1,890 | n/a | \$105,100 | \$79,900 | \$23,970 | \$1,998 | \$52,550 | \$15,765 | \$1,314 |
| 7 0 | Syı | mphony Center | | | | | | | | | | | |
| | 1 0 0 | Symphony Center Apartments | Cultural Center Station | Baltimore city | \$2,065 | n/a | \$105,100 | \$79,900 | \$23,970 | \$1,998 | \$52,550 | \$15,765 | \$1,314 |
| Ge | orgi | ia, Atlanta | | | | | | | | | | | |
| 7 1 | Lin | dbergh Center Station | | | | | | | | | | | |
| | 1 0 1 | Avana on Main | Lindbergh Center Transit Station | Fulton | \$1,480 | \$1,835 | \$86,200 | \$68,950 | \$20,685 | \$1,724 | \$43,100 | \$12,930 | \$1,078 |
| | io, (| Cleveland | | | | | | | | | | | |
| 7 2 | Lit | tle Italy University Circle S | Station | | | | | | | | | | |
| | 1 0 2 | Centric | Little Italy University Circle Station | Cuyahoga | \$2,475 | n/a | \$78,600 | \$62,900 | \$18,870 | \$1,573 | \$39,300 | \$11,790 | \$983 |
| Ca | lifor | rnia, San Diego | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |

⁷ 3 Hazard Center Station

| | 1 0 3 | 2-story high condominium buildings south of the station) | Hazard Center Station | San Diego | \$2,600 | n/a | \$95,100 | \$97,000 | \$29,100 | \$2,425 | \$60,600 | \$18,180 | \$1,515 |
|--------|-------------|---|----------------------------------|-----------|---------|---------|-----------|----------|----------|---------|----------|----------|---------|
| 7 4 | Sm | art Corned at City Collage | Station | | | | | | | | | | |
| | 1 0 4 | Smart Corner Condominiums | City Collage Station | San Diego | \$2,800 | n/a | \$95,100 | \$97,000 | \$29,100 | \$2,425 | \$60,600 | \$18,180 | \$1,515 |
| 7 5 | Th | e Village at Morena Vista | | | | | | | | | | | |
| , | 1 0 5 | The Village at Morena Vista | Morena/Linda Vista Station | San Diego | \$2,053 | \$2,642 | \$95,100 | \$97,000 | \$29,100 | \$2,425 | \$60,600 | \$18,180 | \$1,515 |
| Mi | nne | sota, Minneapolis-St Paul | | | | | | | | | | | |
| 7 6 | Oa | ks Station Place | | | | | | | | | | | |
| Ū | 1 0 6 | Oaks Station Place | 46th Street Station | Hennepin | \$1,759 | n/a | \$104,900 | \$79,900 | \$23,970 | \$1,998 | \$52,450 | \$15,735 | \$1,311 |
| 7 7 | На | mline Station | | | | | | | | | | | |
| • | 1 0 7 | Hamline Station East & Hamline Station West (2 buildings) | Hamline Avenue Station | Ramsey | n/a | n/a | \$104,900 | \$79,900 | \$23,970 | \$1,998 | \$52,450 | \$15,735 | \$1,311 |
| 7 8 | Th | e Penfield | | | | | | | | | | | |
| | 1 0 8 | The Penfield Apartments | 10th Street Station | Ramsey | \$1,689 | \$2,462 | \$104,900 | \$79,900 | \$23,970 | \$1,998 | \$52,450 | \$15,735 | \$1,311 |
| Pe | nnsy | /Ivania, Pittsburgh | | | | | | | | | | | |
| 7 9 | Gla | asshouse | | | | | | | | | | | |
| - | 1 0 9 | Glasshouse | Station Square Subway Station | Allegheny | \$3,439 | n/a | \$84,800 | \$67,850 | \$20,355 | \$1,696 | \$42,400 | \$12,720 | \$1,060 |
| | kas, | Houston | | | | | | | | | | | |
| 8 0 | Mo | Gowen Station | | | | | | | | | | | |

| | 1 1 0 | Camden McGowen Station Apartments | McGowen Station | Harris | \$2,499 | n/a | \$79,200 | \$63,350 | \$19,005 | \$1,584 | \$39,600 | \$11,880 | \$990 |
|--------|-------------|--------------------------------------|--------------------------|---------------------|---------|---------|----------|----------|----------|---------|----------|----------|---------|
| 8 1 | Mi | dtown Main | | | | | | | | | | | |
| _ | 1 1 1 | Mid Main Lofts | Ensemble/ HCC Station | Harris | \$1,718 | n/a | \$79,200 | \$63,350 | \$19,005 | \$1,584 | \$39,600 | \$11,880 | \$990 |
| | ah, | Salt Lake City | | | | | | | | | | | |
| 8 2 | Cit | y Creek | | | | | | | | | | | |
| | 1 1 2 | City Creek Landing | City Center Station | Salt Lake | n/a | n/a | \$92,900 | \$73,750 | \$22,125 | \$1,844 | \$46,100 | \$13,830 | \$1,153 |
| 8 3 | Ga | teway | | | | | | | | | | | |
| | 1 1 3 | Gateway 505/ Alta Gateway Station | Old Greektown Station | Salt Lake | \$2,186 | \$2,281 | \$92,900 | \$73,750 | \$22,125 | \$1,844 | \$46,100 | \$13,830 | \$1,153 |
| 8 4 | Fir | eclay village | | | | | | | | | | | |
| • | 1 1 4 | Avida Apartments | Murray North Station | Salt Lake | \$1,370 | \$1,772 | \$92,900 | \$73,750 | \$22,125 | \$1,844 | \$46,100 | \$13,830 | \$1,153 |
| | 1 1 5 | Murray Depot | Murray North Station | Salt Lake | n/a | n/a | \$92,900 | \$73,750 | \$22,125 | \$1,844 | \$46,100 | \$13,830 | \$1,153 |
| | 1 1 6 | Metro at Fireclay | Murray North Station | Salt Lake | \$1,697 | n/a | \$92,900 | \$73,750 | \$22,125 | \$1,844 | \$46,100 | \$13,830 | \$1,153 |
| | isso | uri, St Louis | | | | | | | | | | | |
| 8 5 | Fo | rsyth Station | | | | | | | | | | | |
| | 1 1 7 | The Crescent Condos | Forsyth Station | St. Louis County | n/a | n/a | \$84,900 | \$67,900 | \$20,370 | \$1,698 | \$42,450 | \$12,735 | \$1,061 |

Affordability of market-rate 1-bedroom and 2-bedroom housing for low- and moderate-income 3-person households

| TODs: region, name, buildings (if different developers) | Transit Station | County | Market apartmen availabl | ts (lowest | Moderate (80%) Income Limits (\$) | 30% of Moderate Income Limits | MAX monthl y rent | Low (50%) Income Limits (\$) | 30% of Low Income Limits | MAX monthl y rent |
|---|------------------------------------|--------------|--------------------------------|------------|--|--|-------------------------|------------------------------------|-----------------------------------|-------------------------|
| | | | 1-bed | 2-bed | | | | | | |
| Colorado (Denver, Englewood) | | | | | | | | | | |
| 1 Mariposa at Osage Station | | | | | | | | | | |
| Mariposa Apartments (Phase 1, 2, 3 and 4) | Osage Station | Arapahoe | n/a | n/a | \$71,950 | \$21,585 | \$1,799 | \$47,200 | \$14,160 | \$1,180 |
| 2 Englewood Station | | | | | | | | | | |
| 2 Art Walk at City Center | Englewood Station | Arapahoe | \$1,541 | \$1,905 | \$71,950 | \$21,585 | \$1,799 | \$47,200 | \$14,160 | \$1,180 |
| Washington (Seattle) | | | | | | | | | | |
| 3 Othello Station | | | | | | | | | | |
| The Station at Othello Park | Othello Station | King County | \$1,790 | \$2,465 | \$81,450 | \$24,435 | \$2,036 | \$52,100 | \$15,630 | \$1,303 |
| Assembly118 Apartments | Othello Station | King County | \$1,679 | \$2,880 | \$81,450 | \$24,435 | \$2,036 | \$52,100 | \$15,630 | \$1,303 |
| 5 Mercy Othello Plaza | Othello Station | King County | n/a | n/a | \$81,450 | \$24,435 | \$2,036 | \$52,100 | \$15,630 | \$1,303 |
| California (Bay Area) | | | | | | | | | | |
| 4 Fruitvale Village | | | | | | | | | | |
| Fruitvale Village 6 (Phase 1, Phase 2 and Phase 3) | Fruitvale Station (BART) | Alameda | n/a | n/a | \$98,650 | \$29,595 | \$2,466 | \$61,650 | \$18,495 | \$1,541 |
| 5 Pleasant Hill/ Contra Costa | 1 | | | | | | | | | |
| 7 Avalon Walnut Creek | Contra Costa Center (BART) Station | Contra Costa | \$2,400 | \$3,242 | \$98,650 | \$29,595 | \$2,466 | \$61,650 | \$18,495 | \$1,541 |
| 6 MacArthur Station | | | | | | | | | | |
| The Skylyne at Temescal | MacArthur Station (BART) | Alameda | \$2,517 | \$3,452 | \$98,650 | \$29,595 | \$2,466 | \$61,650 | \$18,495 | \$1,541 |
| 9 MacArthur Commons | MacArthur Station (BART) | Alameda | \$2,200 | \$3,010 | \$98,650 | \$29,595 | \$2,466 | \$61,650 | \$18,495 | \$1,541 |

| | 1 0 | Mural at MacArthur | MacArthur Station (BART) | Alameda | n/a | n/a | \$98,650 | \$29,595 | \$2,466 | \$61,650 | \$18,495 | \$1,541 |
|--------|--------|--|-----------------------------------|-------------|---------|---------|----------|----------|---------|----------|----------|---------|
| Cal | ifor | nia (Sacramento) | | | | | | | | | | |
| 7 | La ' | Valentina | | | | | | | | | | |
| | 1 | La Valentina Apartments and La Valentina North | La Valentina Station | Sacramento | n/a | n/a | \$65,250 | \$19,575 | \$1,631 | \$40,800 | \$12,240 | \$1,020 |
| 8 | Ice | Blocks | | | | | | | | | | |
| | 1 2 | Ice House Midtown Apartments | 16th Street Station | Sacramento | \$1,750 | \$2,500 | \$65,250 | \$19,575 | \$1,631 | \$40,800 | \$12,240 | \$1,020 |
| 9 | Un | iversity/65th Street Stat | ion | | | | | | | | | |
| | 1 3 | F/65 Lofts | University/65th Street Station | Sacramento | | n/a | \$65,250 | \$19,575 | \$1,631 | \$40,800 | \$12,240 | \$1,020 |
| Cal | ifor | nia (Los Angeles area) | | | | | | | | | | |
| 1 0 | Exp | oo/Sepulveda Station | | | | | | | | | | |
| Ū | 1 4 | Linea Apartments | Expo/Sepulveda Station | Los Angeles | \$3,016 | \$4,153 | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |
| 1 1 | Wi | Ishire Vermont | | | | | | | | | | |
| • | 1 5 | Wilshire Vermont Luxury Apartments | Wilshire/ Vermont Station | Los Angeles | \$2,108 | \$2,816 | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |
| 1 2 | The | e Vermont | | | | | | | | | | |
| 2 | 1 6 | The Vermnont Apartments | Wilshire/ Vermont Station | Los Angeles | \$2,230 | \$3,409 | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |
| 1 3 | Wi | Ishire/ Western | | | | | | | | | | |
| J | 1 7 | Solair Wilshire Apartments | Wilshire/ Western Station | Los Angeles | \$2,032 | \$2,420 | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |
| 1 4 | Ho | llywood/ Vine | | | | | | | | | | |
| 7 | 1 8 | 1600 Vine | Hollywood/ Vine | Los Angeles | \$2,816 | \$3,758 | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |
| | 1 9 | Eastown Apartments | Hollywood/ Vine | Los Angeles | \$2,525 | \$3,185 | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |
| | 2 | El Centro Apartments & Bungalows | Hollywood/ Vine | Los Angeles | \$2,550 | \$3,735 | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |
| | 2 1 | Argyle House | Hollywood/ Vine | Los Angeles | \$3,995 | n/a | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |

| 1 5 | Но | llywood/ Western | | | | | | | | | | |
|--------|--------|---|----------------------------|-------------|---------|---------|----------|----------|---------|----------|----------|---------|
| J | 2 2 | Hollywood/ Western (Phase 1 and Phase 2) | Hollywood/ Western | Los Angeles | n/a | n/a | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |
| 1 6 | Ma | acArthur Park | | | | | | | | | | |
| Ū | 2 | MacArthur Park | Westlake/MacArthur Park | Los Angeles | n/a | n/a | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |
| 1 7 | Но | llywood/ Highland | | | | | | | | | | |
| • | 2 4 | 1724 Highland Apartments | Hollywood/ Highland | Los Angeles | \$2,320 | \$2,675 | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |
| 1 8 | De | l Mar Station | | | | | | | | | | |
| | 2 5 | Avalon/ Del Mar Station Apartments | Del Mar Station | Los Angeles | \$2,266 | \$3,138 | \$85,150 | \$25,545 | \$2,129 | \$53,200 | \$15,960 | \$1,330 |
| Ne | w Je | ersey | | | | | | | | | | |
| 1 9 | Me | etuchen Station | | | | | | | | | | |
| , | 2 6 | Woodmont Metro Apartments | Metuchen Station | Middlesex | \$2,360 | \$3,215 | \$73,600 | \$22,080 | \$1,840 | \$55,450 | \$16,635 | \$1,386 |
| 2 | На | rrison Station | | | | | | | | | | |
| Ū | 2 7 | Harrison Station 300 | Harrison Station | Gloucester | \$1,930 | \$2,635 | \$68,050 | \$20,415 | \$1,701 | \$42,550 | \$12,765 | \$1,064 |
| | 2 8 | 330 Harrison Station | Harrison Station | Gloucester | \$2,035 | \$2,910 | \$68,050 | \$20,415 | \$1,701 | \$42,550 | \$12,765 | \$1,064 |
| | 2 | Harrison Urby Apartments | Harrison Station | Gloucester | \$2,012 | \$3,170 | \$68,050 | \$20,415 | \$1,701 | \$42,550 | \$12,765 | \$1,064 |
| 2 1 | Cra | anford Station | | | | | | | | | | |
| _ | 3 0 | Riverfront at Cranford Station | Cranford Station | Union | \$2,700 | \$3,210 | \$71,950 | \$21,585 | \$1,799 | \$48,350 | \$14,505 | \$1,209 |
| 2 | Blo | oomfield Station | | | | | | | | | | |
| - | 3 1 | Avalon Bloomfield Station | Bloomfield Station | Essex | \$2,020 | \$2,631 | \$71,950 | \$21,585 | \$1,799 | \$48,350 | \$14,505 | \$1,209 |
| 2 | Mc | orristown Station | | | | | | | | | | |
| J | 3 2 | Sofi/ The Highlands at Morristown Station | Morristown Station | Morris | \$2,062 | \$3,011 | \$71,950 | \$21,585 | \$1,799 | \$48,350 | \$14,505 | \$1,209 |

| 2 4 | Ga | teway Transit Village | | | | | | | | | | |
|--------|--------|---|-------------------------------------|-------------|---------|---------|----------|----------|---------|----------|----------|---------|
| · | 3 | Gateway Transit Village/ The Vue Apartments | New Brunswick Station | Middlesex | \$1,824 | \$2,237 | \$73,600 | \$22,080 | \$1,840 | \$55,450 | \$16,635 | \$1,386 |
| 2 5 | Ral | hway Station | | | | | | | | | | |
| | 3 4 | Skyview Luxury | Rahway Station | Union | \$1,650 | \$1,875 | \$71,950 | \$21,585 | \$1,799 | \$48,350 | \$14,505 | \$1,209 |
| 2 6 | We | estmont Station | | | | | | | | | | |
| | 3 5 | Haddon Towne Center | Westmont Station | Camden | \$1,800 | \$1,950 | \$68,050 | \$20,415 | \$1,701 | \$42,550 | \$12,765 | \$1,064 |
| Flo | orida | (Miami) | | | | | | | | | | |
| 2 7 | Bro | ownsville Transit Village | | | | | | | | | | |
| | 3 6 | Brownsville Transit Village (Phases 1,2,3,4, and 5) | Brownsville Metrorail station | Miami-Dade | n/a | n/a | \$65,100 | \$19,530 | \$1,628 | \$40,700 | \$12,210 | \$1,018 |
| 2 8 | Da | deland Station | | | | | | | | | | |
| | 3 7 | Motion at Dadeland | Dadeland North Metrorail Station | Miami-Dade | \$2,356 | \$3,207 | \$65,100 | \$19,530 | \$1,628 | \$40,700 | \$12,210 | \$1,018 |
| Ne | w Y | ork | | | | | | | | | | |
| 2 9 | Wy | andanch Village | | | | | | | | | | |
| , | 3 8 | Wyandanch Village (4 buildings) | Wyandach LIRR station | Suffolk | \$2,100 | \$2,700 | \$85,450 | \$25,635 | \$2,136 | \$58,500 | \$17,550 | \$1,463 |
| 3 0 | You | nkers Station | | | | | | | | | | |
| - | 3 9 | Hudson Park North&South | Yonkers Station | Westchester | \$1,759 | \$2,315 | \$81,500 | \$24,450 | \$2,038 | \$57,400 | \$17,220 | \$1,435 |
| | 4 0 | River Club at Hudson Park | Yonkers Station | Westchester | \$2,548 | \$3,062 | \$81,500 | \$24,450 | \$2,038 | \$57,400 | \$17,220 | \$1,435 |
| M | assa | chusetts, Boston | | | | | | | | | | |
| 3 1 | Asl | nmont Station | | | | | | | | | | |
| - | 4 1 | The Carruth | Ashmont Station | Suffolk | n/a | n/a | \$90,950 | \$27,285 | \$2,274 | \$60,400 | \$18,120 | \$1,510 |
| 3 2 | The | e Victor at North Station | | | | | | | | | | |

| | 4 2 | The Victor by Windsor | North Station | Suffolk | \$3,230 | \$4,485 | \$90,950 | \$27,285 | \$2,274 | \$60,400 | \$18,120 | \$1,510 |
|--------|--------|--|--------------------|------------|---------|---------|----------|----------|---------|----------|----------|---------|
| 3 3 | Ava | alon North Station | | | | | | | | | | |
| 3 | 4 3 | Avalon North Station | North Station | Suffolk | \$3,685 | \$4,315 | \$90,950 | \$27,285 | \$2,274 | \$60,400 | \$18,120 | \$1,510 |
| 3 4 | The | e Causeway | | | | | | | | | | |
| 7 | 4 | Causeway at 226 Causeway Street (234 Strada) | North Station | Suffolk | \$2,966 | \$3,799 | \$90,950 | \$27,285 | \$2,274 | \$60,400 | \$18,120 | \$1,510 |
| 3 5 | Gai | rden at North Station | | | | | | | | | | |
| | 4 5 | Boston Garden Development/ Hub50House | North Station | Suffolk | \$3,390 | \$4,780 | \$90,950 | \$27,285 | \$2,274 | \$60,400 | \$18,120 | \$1,510 |
| 3 6 | Bos | ston Lading | | | | | | | | | | |
| - | 4 6 | Lantera | Boston Lading | Suffolk | \$3,151 | \$3,248 | \$90,950 | \$27,285 | \$2,274 | \$60,400 | \$18,120 | \$1,510 |
| 3 7 | We | ellington Station | | | | | | | | | | |
| • | 4 7 | 75SL at Station Landing | Wellington Station | Middlesex | \$2,606 | \$3,613 | \$71,950 | \$21,585 | \$1,799 | \$50,850 | \$15,255 | \$1,271 |
| | 4 8 | Station Landing Apartments | Wellington Station | Middlesex | \$2,338 | \$3,045 | \$71,950 | \$21,585 | \$1,799 | \$50,850 | \$15,255 | \$1,271 |
| Ore | egon | , Portland | | | | | | | | | | |
| 3 8 | Ore | enco Station | | | | | | | | | | |
| J | 4 9 | Orchards at Orenco (3 buildings) | Orenco Station | Washington | n/a | n/a | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
| | 5 0 | Rowlock | Orenco Station | Washington | \$1,602 | n/a | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
| | 5 1 | Nexus | Orenco Station | Washington | \$1,754 | \$2,195 | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
| | 5 2 | Tessera | Orenco Station | Washington | \$1,725 | \$2,165 | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
| | 5 3 | Hub9 | Orenco Station | Washington | \$1,575 | n/a | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
| | 5 4 | Vector | Orenco Station | Washington | \$1,641 | \$2,379 | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |

| | 5 5 | Orenco Gardens Apartments | Orenco Station | Washington | \$1,420 | \$1,505 | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
|--------|--------|---|--|-------------------------|---------|---------|----------|----------|---------|----------|----------|---------|
| 3 9 | Ler | nts Town Center | | | | | | | | | | |
| | 5 6 | Lents Commons Apartments | Lents Town Center | Multnomah | \$1,190 | \$1,325 | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
| | 5 7 | Oliver Station | Lents Town Center | Multnomah | | | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
| 4 0 | | uth Waterfront | | | | | | | | | | |
| ŭ | | South Waterfront (The Vera Riverplace) | SW River Pkwy & Moody | Multnomah | n/a | n/a | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
| | 5 8 | The Ardea Apartments | SW Moody & Gains | Multnomah | \$1,500 | \$2,002 | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
| | 5 9 | Griffis South Waterfront | SW Moody & Gains | Multnomah | \$1,584 | \$2,753 | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
| | 6 0 | Ella Apartments | SW Moody & Gains | Multnomah | \$1,626 | \$2,544 | \$69,650 | \$20,895 | \$1,741 | \$43,550 | \$13,065 | \$1,089 |
| W | ashir | ngton, DC | | | | | | | | | | |
| 4 | Col | lumbia Heights | | | | | | | | | | |
| _ | 6 1 | Highland Park (2 buildings) | Columbia Heights Metro | District of Columbia | \$1,900 | \$2,840 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
| 4 2 | Pet | tworth Station | | | | | | | | | | |
| | 6 2 | Park Place at Petworth Metro | Georgia Avenue- Petworth Metro Station | District of Columbia | \$1,908 | \$2,795 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
| 4 3 | Fla | ts 130 at Constitution So | juare | | | | | | | | | |
| | 6 3 | Flats 130 at Constitution Square | NoMa - Gallaudet U Metro Station | District of Columbia | \$2,304 | \$3,159 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
| 4 | Mo | onroe Street Market | | | | | | | | | | |
| | 6 4 | Monroe Street Market (625 Monroe Street; Phase 1) | Brookland-Cua Metrorail Station | District of Columbia | \$1,983 | \$2,502 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
| 4 5 | Res | ston Station | | | | | | | | | | |
| - | 6 5 | BLVD at Reston Station | Wiehle-Reston East Metro Station | Fairfax | \$1,810 | \$2,575 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |

| _ | 6 6 | Aperture | Wiehle-Reston East Metro Station | Fairfax | \$1,991 | \$2,549 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
|--------|--------|---|--|------------|---------|---------|----------|----------|---------|----------|----------|---------|
| 4 6 | Bal | llston Commons | | | | | | | | | | |
| Ū | 6 7 | Meridian at Ballston Commons | Ballston-MU Metro Station | Arlington | \$2,085 | \$2,885 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
| 4 7 | Per | ntagon City | | | | | | | | | | |
| - | 6 8 | The Witmer Pentagon City | Pentagon City Metro Station | Arlington | \$2,258 | \$3,612 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
| 4 8 | Vir | ginia Square | | | | | | | | | | |
| | 6 9 | Latitude Apartments | Virginia Square GMU Metrorail Station | Arlington | \$2,375 | \$3,316 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
| 4 9 | Wł | neaton Station | | | | | | | | | | |
| | 7 0 | MetroPointe | Wheaton Subway Station | Montgomery | \$1,592 | \$2,080 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
| | 7 1 | The Exchange at Wheaton Station | Wheaton Subway Station | Montgomery | \$1,580 | \$2,147 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
| _ | 7 2 | The Flats at Wheaton Station | Wheaton Subway Station | Montgomery | \$1,520 | n/a | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
| 5 0 | Silv | ver Spring Station | | | | | | | | | | |
| | 7 3 | Lenox Park Apartments | Silver Spring Train Station | Montgomery | \$1,310 | \$1,810 | \$74,100 | \$22,230 | \$1,853 | \$58,050 | \$17,415 | \$1,451 |
| | xas, | Austin | | | | | | | | | | |
| 5 1 | Pla | za Saltillo | | | | | | | | | | |
| | 7 4 | Plaza Satillo Development (4 buildings); Residences at Satillo | Plaza Saltillo Station | Travis | n/a | n/a | \$71,200 | \$21,360 | \$1,780 | \$44,550 | \$13,365 | \$1,114 |
| 5 2 | Kra | amer Station | | | | | | | | | | |
| _ | 7 5 | The Addison / The Domain Apartments | Kramer Station | Travis | \$1,545 | \$2,285 | \$71,200 | \$21,360 | \$1,780 | \$44,550 | \$13,365 | \$1,114 |
| Te | xas, | Dallas | | | | | | | | | | |
| | | | | | | | | | | | | |

⁵ 3 CityLine/ Bush Station

| | 7 6 | Alexan Crossings & Axis 110 | CityLine/ Bush Station | Dallas, Collin | \$1,339 | \$1,795 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
|--------|--------|--|-------------------------------------|---------------------------|---------|---------|----------|----------|---------|----------|----------|---------|
| _ | 7 7 | Anthem Cityline | CityLine/ Bush Station | Dallas, Collin | \$1,257 | \$1,743 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| 5 4 | Gal | atyn Park Station | | | | | | | | | | |
| | 7 8 | Galatyn Station Apartments | Galatyn Station | Dallas, Collin | \$1,066 | \$1,591 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| _ | 7 9 | Cue Galatyn Station Apartments | Galatyn Station | Dallas, Collin | \$1,293 | \$2,002 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| 5 5 | Do | wntown Plano Station | | | | | | | | | | |
| | 8 | BelAir K Station Apartments | Downtown Plano Station | Collin, Denton | \$1,085 | \$1,295 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| _ | 8 1 | Junction 15 Apartments | Downtown Plano Station | Collin, Denton | \$1,225 | \$1,750 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| 5 6 | Las | Colinas | | | | | | | | | | |
| | 8 2 | The Carolyn | Las Colinas Urban Center Station | Dallas | \$1,420 | \$1,895 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| _ | 8 | Crest at Las Colinas Station | Las Colinas Urban Center Station | Dallas | \$1,291 | \$1,766 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| 5 7 | Do | wntown Carrollton Statio | on | | | | | | | | | |
| | 8 4 | Union at Carrollton Square (Phase 1 and 2) | Downtown Carrollton Station | Denton, Dallas, Collin | \$1,281 | \$1,612 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| | 8 5 | Lux on Main | Downtown Carrollton Station | Denton, Dallas, Collin | \$1,560 | \$2,191 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| 5 8 | Мо | ckingbird Station | | | | | | | | | | |
| | 8 6 | The Lofts at Mockingbird Station | SMU/ Mockingbird Station | Dallas | \$1,462 | \$2,303 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| | 8 7 | 5 Mockingbird | SMU/ Mockingbird Station | Dallas | \$1,470 | \$1,725 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| 5 9 | City | yplace/Uptown | | | | | | | | | | |
| | 8 8 | The Sawyer Apartments | CityPlace/ Uptown Station | Dallas | \$1,321 | \$2,108 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| | 8 9 | Ardan | CityPlace/ Uptown Station | Dallas | \$2,142 | \$3,382 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |

| 6 0 | Lan | caster Urban Village | | | | | | | | | | |
|--------|--------|--|----------------------------------|----------------|---------|---------|----------|----------|---------|----------|----------|---------|
| | 9 0 | Lancaster Urban Village | VA Medical Center Station | Dallas | \$850 | \$1,100 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| 6 1 | Spr | ing Valley Station | | | | | | | | | | |
| _ | 9 1 | Brick Row Apartments | Spring Valley Station | Dallas, Collin | \$1,245 | \$1,870 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| 6 2 | Do | wntown Garland Station | | | | | | | | | | |
| 2 | 9 2 | Oaks 5th Street Crossing (Phase 1 and 2) | Downtown Garland Station | Dallas | \$1,155 | \$1,526 | \$64,100 | \$19,230 | \$1,603 | \$40,050 | \$12,015 | \$1,001 |
| 6 3 | Par | ker House | | | | | | | | | | |
| J | 9 3 | Parker House Apartments | T&P Station | Tarrant | \$1,285 | \$1,548 | \$58,200 | \$17,460 | \$1,455 | \$36,400 | \$10,920 | \$910 |
| 6 4 | Gr | apevine/Main Street Sta | tion | | | | | | | | | |
| • | 9 4 | Resort at 925 | Grapevine/Main Street Station | Tarrant | \$1,380 | \$1,999 | \$58,200 | \$17,460 | \$1,455 | \$36,400 | \$10,920 | \$910 |
| Pe | nnsy | lvania, Philadelphia | | | | | | | | | | |
| 6 5 | Ter | nple University Station | | | | | | | | | | |
| J | 9 5 | Paseo Verde South Apartments | Temple University Station | Philadelphia | \$1,275 | \$1,542 | \$68,050 | \$20,415 | \$1,701 | \$42,550 | \$12,765 | \$1,064 |
| 6 6 | 11t | h Street Station | | | | | | | | | | |
| ŭ | 9 6 | The Ludlow Apartments | 11th Street Station | Philadelphia | \$1,866 | \$2,658 | \$68,050 | \$20,415 | \$1,701 | \$42,550 | \$12,765 | \$1,064 |
| 6 7 | Ells | worth/Federal Station | | | | | | | | | | |
| • | 9 7 | Lincoln Square | Ellsworth/Federal Station | Philadelphia | \$1,825 | \$2,675 | \$68,050 | \$20,415 | \$1,701 | \$42,550 | \$12,765 | \$1,064 |
| 6 8 | Spr | ing Mill Station | | | | | | | | | | |
| 3 | 9 8 | The Courts at Spring Mill Station | Spring Mill Station | Montgomery | \$1,743 | \$2,558 | \$68,050 | \$20,415 | \$1,701 | \$42,550 | \$12,765 | \$1,064 |
| Ma | ryla | nd, Baltimore | | | | | | | | | | |
| - | | | | | | | | | | | | |

⁶ Owings Mills Station

| 7 | 9 9 | The Apartments at Metro Centre | Owings Mills Metro Station | Baltimore | \$1,750 | \$1,890 | \$71,950 | \$21,585 | \$1,799 | \$47,300 | \$14,190 | \$1,183 |
|--------|------------------|--|---|----------------|---------|---------|----------|----------|---------|----------|----------|---------|
| 0 | 1 0 0 | nphony Center Symphony Center Apartments | Cultural Center Station | Baltimore city | n/a | \$2,065 | \$71,950 | \$21,585 | \$1,799 | \$47,300 | \$14,190 | \$1,183 |
| Ge | orgi | a, Atlanta | | | | | | | | | | |
| 7 1 | Lin _e | dbergh Center Station | | | | | | | | | | |
| | 0 1 | Avana on Main | Lindbergh Center Transit Station | Fulton | \$1,070 | \$1,480 | \$62,100 | \$18,630 | \$1,553 | \$38,800 | \$11,640 | \$970 |
| | nio, C | Cleveland | | | | | | | | | | |
| 7 2 | Litt | le Italy University Circle | Station | | | | | | | | | |
| | 1 0 2 | Centric | Little Italy University Circle Station | Cuyahoga | \$1,560 | \$2,475 | \$56,650 | \$16,995 | \$1,416 | \$35,400 | \$10,620 | \$885 |
| Ca | lifor | nia, San Diego | | | | | | | | | | |
| 7 3 | Ha | zard Center Station | | | | | | | | | | |
| | 1 0 3 | 2-story high condominium buildings south of the station) | Hazard Center Station | San Diego | n/a | \$2,600 | \$87,300 | \$26,190 | \$2,183 | \$54,550 | \$16,365 | \$1,364 |
| 7 4 | Sm | art Corned at City Collag | e Station | | | | | | | | | |
| | 1 0 4 | Smart Corner Condominiums | City Collage Station | San Diego | \$2,700 | \$2,800 | \$87,300 | \$26,190 | \$2,183 | \$54,550 | \$16,365 | \$1,364 |
| 7 5 | The | e Village at Morena Vista | 1 | | | | | | | | | |
| | 1 0 5 | The Village at Morena Vista | Morena/Linda Vista Station | San Diego | \$1,992 | \$2,053 | \$87,300 | \$26,190 | \$2,183 | \$54,550 | \$16,365 | \$1,364 |
| M | inne | sota, Minneapolis-St Pau | ıl | | | | | | | | | |
| 7 6 | Oal | ks Station Place | | | | | | | | | | |

| _ | 1 0 6 | Oaks Station Place | 46th Street Station | Hennepin | \$1,405 | \$1,759 | \$71,950 | \$21,585 | \$1,799 | \$47,250 | \$14,175 | \$1,181 |
|--------|-------------|---|----------------------------------|-----------|---------|---------|----------|----------|---------|----------|----------|---------|
| 7 7 | На | mline Station | | | | | | | | | | |
| | 1 0 7 | Hamline Station East & Hamline Station West (2 buildings) | Hamline Avenue Station | Ramsey | n/a | n/a | \$71,950 | \$21,585 | \$1,799 | \$47,250 | \$14,175 | \$1,181 |
| 7 8 | The | e Penfield | | | | | | | | | | |
| Ū | 1 0 8 | The Penfield Apartments | 10th Street Station | Ramsey | \$1,472 | \$1,689 | \$71,950 | \$21,585 | \$1,799 | \$47,250 | \$14,175 | \$1,181 |
| Pe | ennsy | ylvania, Pittsburgh | | | | | | | | | | |
| 7 9 | Gla | asshouse | | | | | | | | | | |
| _ | 1 0 9 | Glasshouse | Station Square Subway Station | Allegheny | \$2,248 | \$3,439 | \$61,100 | \$18,330 | \$1,528 | \$38,200 | \$11,460 | \$955 |
| | exas, | Houston | | | | | | | | | | |
| 8 0 | М | Gowen Station | | | | | | | | | | |
| | 1 1 0 | Camden McGowen Station Apartments | McGowen Station | Harris | \$1,819 | \$2,499 | \$57,050 | \$17,115 | \$1,426 | \$35,650 | \$10,695 | \$891 |
| 8 1 | Mi | idtown Main | | | | | | | | | | |
| • | 1 1 1 | Mid Main Lofts | Ensemble/ HCC Station | Harris | \$1,395 | \$1,718 | \$57,050 | \$17,115 | \$1,426 | \$35,650 | \$10,695 | \$891 |
| Ut | tah, S | Salt Lake City | | | | | | | | | | |
| 8 2 | Cit | y Creek | | | | | | | | | | |
| | 1 1 2 | City Creek Landing | City Center Station | Salt Lake | n/a | n/a | \$66,400 | \$19,920 | \$1,660 | \$41,500 | \$12,450 | \$1,038 |
| 8 3 | Ga | teway | | | | | | | | | | |
| | 1 1 3 | Gateway 505/ Alta Gateway Station | Old Greektown Station | Salt Lake | \$1,667 | \$2,186 | \$66,400 | \$19,920 | \$1,660 | \$41,500 | \$12,450 | \$1,038 |

| 8 4 | Fir | eclay village | | | | | | | | | | |
|--------|-------------|---------------------|----------------------|---------------------|---------|---------|----------|----------|---------|----------|----------|---------|
| | 1 1 4 | Avida Apartments | Murray North Station | Salt Lake | \$1,267 | \$1,370 | \$66,400 | \$19,920 | \$1,660 | \$41,500 | \$12,450 | \$1,038 |
| | 1 1 5 | Murray Depot | Murray North Station | Salt Lake | n/a | n/a | \$66,400 | \$19,920 | \$1,660 | \$41,500 | \$12,450 | \$1,038 |
| | 1 1 6 | Metro at Fireclay | Murray North Station | Salt Lake | \$1,219 | \$1,697 | \$66,400 | \$19,920 | \$1,660 | \$41,500 | \$12,450 | \$1,038 |
| Mi | ssou | ıri, St Louis | | | | | | | | | | |
| 8 5 | Fo | rsyth Station | | | | | | | | | | |
| | 1 1 7 | The Crescent Condos | Forsyth Station | St. Louis County | n/a | n/a | \$61,150 | \$18,345 | \$1,529 | \$38,250 | \$11,475 | \$956 |

Affordability of market-rate studio and 1-bedroom apartments for low- and moderate-income 2-person households

| | region, name, buildings (if nt developers) | Transit Station | County | apart (lowest | t priced ments available ice) | Moderat e (80%) Income Limits (\$) | 30% of Moderate Income Limits | MAX monthl y rent | Low (50%) Income Limits (\$) | 30% of Low Income Limits | MAX monthl y rent |
|------------|---|------------------------------------|--------------|------------------|--|--|--|-------------------------|------------------------------------|-----------------------------------|-------------------------|
| | | | | Studio | 1-bed | | | | | | |
| Colorac | do (Denver, Englewood) | | | | | | | | | | |
| 1 Ma | riposa at Osage Station | | | | | | | | | | |
| 1 2 Eng | Mariposa Apartments (Phase 1, 2, 3 and 4) (lewood Station | Osage Station | Arapahoe | n/a | n/a | \$63,950 | \$19,185 | \$1,599 | \$41,950 | \$12,585 | \$1,049 |
| 2 | Art Walk at City Center | Englewood Station | Arapahoe | n/a | \$1,541 | \$63,950 | \$19,185 | \$1,599 | \$41,950 | \$12,585 | \$1,049 |
| Washin | gton (Seattle) | | | | | | | | | | |
| 3 Oth | nello Station | | | | | | | | | | |
| 3 | The Station at Othello Park | Othello Station | King County | \$1,356 | \$1,790 | \$72,400 | \$21,720 | \$1,810 | \$46,300 | \$13,890 | \$1,158 |
| 4 | Assembly118 Apartments | Othello Station | King County | n/a | \$1,679 | \$72,400 | \$21,720 | \$1,810 | \$46,300 | \$13,890 | \$1,158 |
| 5 | Mercy Othello Plaza | Othello Station | King County | n/a | n/a | \$72,400 | \$21,720 | \$1,810 | \$46,300 | \$13,890 | \$1,158 |
| Californ | nia (Bay Area) | | | | | | | | | | |
| 4 Fru | itvale Village | | | | | | | | | | |
| 6 | Fruitvale Village (Phase 1, Phase 2 and Phase 3) | Fruitvale Station (BART) | Alameda | n/a | n/a | \$87,700 | \$26,310 | \$2,193 | \$54,800 | \$16,440 | \$1,370 |
| 5 Ple | asant Hill/ Contra Costa | | | | | | | | | | |
| 7 | Avalon Walnut Creek | Contra Costa Center (BART) Station | Contra Costa | \$2,194 | \$2,400 | \$87,700 | \$26,310 | \$2,193 | \$54,800 | \$16,440 | \$1,370 |
| 6 Ma | cArthur Station | | | | | | | | | | |
| 8 | The Skylyne at Temescal | MacArthur Station (BART) | Alameda | \$2,462 | \$2,517 | \$87,700 | \$26,310 | \$2,193 | \$54,800 | \$16,440 | \$1,370 |
| 9 | MacArthur Commons | MacArthur Station (BART) | Alameda | \$2,050 | \$2,200 | \$87,700 | \$26,310 | \$2,193 | \$54,800 | \$16,440 | \$1,370 |
| 1 0 | Mural at MacArthur | MacArthur Station (BART) | Alameda | n/a | n/a | \$87,700 | \$26,310 | \$2,193 | \$54,800 | \$16,440 | \$1,370 |
| Californ | nia (Sacramento) | | | | | | | | | | |
| | | | | | | | | | | | |

7 La Valentina

| 8 | 1 1 Ice | La Valentina Apartments and La Valentina North Blocks | La Valentina Station | Sacramento | n/a | n/a | \$58,000 | \$17,400 | \$1,450 | \$36,250 | \$10,875 | \$906 |
|--------|---------------|---|-----------------------------------|-------------|---------|---------|----------|----------|---------|----------|----------|---------|
| 9 | 1 2 Un | Ice House Midtown Apartments iversity/65th Street Station | 16th Street Station | Sacramento | \$1,550 | \$1,750 | \$58,000 | \$17,400 | \$1,450 | \$36,250 | \$10,875 | \$906 |
| | 1 3 | F/65 Lofts | University/65th Street Station | Sacramento | n/a | | \$58,000 | \$17,400 | \$1,450 | \$36,250 | \$10,875 | \$906 |
| Ca | lifor | nia (Los Angeles area) | | | | | | | | | | |
| 1 0 | Exp | oo/Sepulveda Station | | | | | | | | | | |
| | 1 4 | Linea Apartments | Expo/Sepulveda Station | Los Angeles | \$2,461 | \$3,016 | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
| 1 1 | Wi | Ishire Vermont | | | | | | | | | | |
| | 1 5 | Wilshire Vermont Luxury Apartments | Wilshire/ Vermont Station | Los Angeles | \$1,707 | \$2,108 | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
| 1 2 | The | e Vermont | | | | | | | | | | |
| | 1 6 | The Vermnont Apartments | Wilshire/ Vermont Station | Los Angeles | n/a | \$2,230 | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
| 1 3 | Wi | lshire/ Western | | | | | | | | | | |
| | 1 7 | Solair Wilshire Apartments | Wilshire/ Western Station | Los Angeles | n/a | \$2,032 | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
| 1 4 | Но | llywood/ Vine | | | | | | | | | | |
| | 1 8 | 1600 Vine | Hollywood/ Vine | Los Angeles | \$2,574 | \$2,816 | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
| | 1 9 | Eastown Apartments | Hollywood/ Vine | Los Angeles | \$1,915 | \$2,525 | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
| | 2 | El Centro Apartments & Bungalows | Hollywood/ Vine | Los Angeles | \$2,350 | \$2,550 | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
| | 2 1 | Argyle House | Hollywood/ Vine | Los Angeles | n/a | \$3,995 | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
| 1 5 | Но | llywood/ Western | | | | | | | | | | |
| - | 2 2 | Hollywood/ Western (Phase 1 and Phase 2) | Hollywood/ Western | Los Angeles | n/a | n/a | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
| 1 6 | Ma | acArthur Park | | | | | | | | | | |

| | 2 | MacArthur Park | Westlake/MacArthur Park | Los Angeles | n/a | n/a | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
|--------|--------|--|----------------------------|-------------|---------|---------|----------|----------|---------|----------|----------|---------|
| 1 7 | Но | llywood/ Highland | | | | | | | | | | |
| | 2 4 | 1724 Highland Apartments | Hollywood/ Highland | Los Angeles | n/a | \$2,320 | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
| 1 8 | De | l Mar Station | | | | | | | | | | |
| | 2 5 | Avalon/ Del Mar Station Apartments | Del Mar Station | Los Angeles | \$2,094 | \$2,266 | \$75,700 | \$22,710 | \$1,893 | \$47,300 | \$14,190 | \$1,183 |
| Ne | w Je | ersey | | | | | | | | | | |
| 1 9 | Me | etuchen Station | | | | | | | | | | |
| | 2 6 | Woodmont Metro Apartments | Metuchen Station | Middlesex | n/a | \$2,360 | \$65,400 | \$19,620 | \$1,635 | \$49,300 | \$14,790 | \$1,233 |
| 2 | Ha | rrison Station | | | | | | | | | | |
| | 2 7 | Harrison Station 300 | Harrison Station | Gloucester | \$1,595 | \$1,930 | \$60,500 | \$18,150 | \$1,513 | \$37,800 | \$11,340 | \$945 |
| | 2 8 | 330 Harrison Station | Harrison Station | Gloucester | \$1,635 | \$2,035 | \$60,500 | \$18,150 | \$1,513 | \$37,800 | \$11,340 | \$945 |
| | 2 | Harrison Urby Apartments | Harrison Station | Gloucester | \$1,921 | \$2,012 | \$60,500 | \$18,150 | \$1,513 | \$37,800 | \$11,340 | \$945 |
| 2 1 | Cra | anford Station | | | | | | | | | | |
| _ | 3 0 | Riverfront at Cranford Station | Cranford Station | Union | n/a | \$2,700 | \$63,950 | \$19,185 | \$1,599 | \$43,000 | \$12,900 | \$1,075 |
| 2 | Blo | oomfield Station | | | | | | | | | | |
| - | 3 1 | Avalon Bloomfield Station | Bloomfield Station | Essex | \$1,770 | \$2,020 | \$63,950 | \$19,185 | \$1,599 | \$43,000 | \$12,900 | \$1,075 |
| 2 | Mc | orristown Station | | | | | | | | | | |
| | 3 2 | Sofi/ The Highlands at Morristown Station | Morristown Station | Morris | n/a | \$2,062 | \$63,950 | \$19,185 | \$1,599 | \$43,000 | \$12,900 | \$1,075 |
| 2 4 | Ga | teway Transit Village | | | | | | | | | | |
| · | 3 | Gateway Transit Village/ The Vue Apartments | New Brunswick Station | Middlesex | n/a | \$1,824 | \$65,400 | \$19,620 | \$1,635 | \$49,300 | \$14,790 | \$1,233 |
| 2 5 | Ral | hway Station | | | | | | | | | | |

| | 3 4 | Skyview Luxury | Rahway Station | Union | n/a | \$1,650 | \$63,950 | \$19,185 | \$1,599 | \$43,000 | \$12,900 | \$1,075 |
|--------|--------|--|-------------------------------------|-------------|---------|---------|----------|----------|---------|----------|----------|---------|
| 2 6 | We | estmont Station | | | | | | | | | | |
| | 3 5 | Haddon Towne Center | Westmont Station | Camden | n/a | \$1,800 | \$60,500 | \$18,150 | \$1,513 | \$37,800 | \$11,340 | \$945 |
| | orida | (Miami) | | | | | | | | | | |
| 2 7 | Bro | ownsville Transit Village | | | | | | | | | | |
| | 3 6 | Brownsville Transit Village (Phases 1,2,3,4, and 5) | Brownsville Metrorail station | Miami-Dade | n/a | n/a | \$57,850 | \$17,355 | \$1,446 | \$36,200 | \$10,860 | \$905 |
| 2 8 | Da | deland Station | | | | | | | | | | |
| | 3 7 | Motion at Dadeland | Dadeland North Metrorail Station | Miami-Dade | \$1,802 | \$2,356 | \$57,850 | \$17,355 | \$1,446 | \$36,200 | \$10,860 | \$905 |
| | ew Y | ork | | | | | | | | | | |
| 2 9 | Wy | andanch Village | | | | | | | | | | |
| | 3 8 | Wyandanch Village (4 buildings) | Wyandach LIRR station | Suffolk | n/a | \$2,100 | \$75,950 | \$22,785 | \$1,899 | \$52,000 | \$15,600 | \$1,300 |
| 3 0 | You | nkers Station | | | | | | | | | | |
| | 3 9 | Hudson Park North&South | Yonkers Station | Westchester | n/a | \$1,759 | \$72,450 | \$21,735 | \$1,811 | \$51,000 | \$15,300 | \$1,275 |
| | 4 0 | River Club at Hudson Park | Yonkers Station | Westchester | \$2,187 | \$2,548 | \$72,450 | \$21,735 | \$1,811 | \$51,000 | \$15,300 | \$1,275 |
| M | assa | chusetts, Boston | | | | | | | | | | |
| 3 1 | Asl | hmont Station | | | | | | | | | | |
| - | 4 1 | The Carruth | Ashmont Station | Suffolk | n/a | n/a | \$80,850 | \$24,255 | \$2,021 | \$53,700 | \$16,110 | \$1,343 |
| 3 2 | The | e Victor at North Station | | | | | | | | | | |
| | 4 2 | The Victor by Windsor | North Station | Suffolk | \$2,905 | \$3,230 | \$80,850 | \$24,255 | \$2,021 | \$53,700 | \$16,110 | \$1,343 |
| 3 | Ava | alon North Station | | | | | | | | | | |
| • | 4 3 | Avalon North Station | North Station | Suffolk | \$2,770 | \$3,685 | \$80,850 | \$24,255 | \$2,021 | \$53,700 | \$16,110 | \$1,343 |
| 3 4 | The | e Causeway | | | | | | | | | | |

| | 4 | Causeway at 226 Causeway Street (234 Strada) | North Station | Suffolk | \$2,475 | \$2,966 | \$80,850 | \$24,255 | \$2,021 | \$53,700 | \$16,110 | \$1,343 |
|--------|--------|--|--------------------|------------|---------|---------|----------|----------|---------|----------|----------|---------|
| 3 5 | Ga | rden at North Station | | | | | | | | | | |
| | 4 5 | Boston Garden Development/ Hub50House | North Station | Suffolk | n/a | \$3,390 | \$80,850 | \$24,255 | \$2,021 | \$53,700 | \$16,110 | \$1,343 |
| 3 6 | Bos | ston Lading | | | | | | | | | | |
| | 4 6 | Lantera | Boston Lading | Suffolk | \$2,480 | \$3,151 | \$80,850 | \$24,255 | \$2,021 | \$53,700 | \$16,110 | \$1,343 |
| 3 7 | We | ellington Station | | | | | | | | | | |
| | 4 7 | 75SL at Station Landing | Wellington Station | Middlesex | \$2,698 | \$2,606 | \$63,950 | \$19,185 | \$1,599 | \$45,200 | \$13,560 | \$1,130 |
| | 4 8 | Station Landing Apartments | Wellington Station | Middlesex | \$2,300 | \$2,338 | \$63,950 | \$19,185 | \$1,599 | \$45,200 | \$13,560 | \$1,130 |
| Or | egor | n, Portland | | | | | | | | | | |
| 3 8 | Ore | enco Station | | | | | | | | | | |
| | 4 9 | Orchards at Orenco (3 buildings) | Orenco Station | Washington | n/a | n/a | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| | 5 0 | Rowlock | Orenco Station | Washington | \$1,618 | \$1,602 | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| | 5 1 | Nexus | Orenco Station | Washington | n/a | \$1,754 | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| | 5 2 | Tesserae | Orenco Station | Washington | n/a | \$1,725 | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| | 5 3 | Hub9 | Orenco Station | Washington | \$1,593 | \$1,575 | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| | 5 4 | Vector | Orenco Station | Washington | \$1,567 | \$1,641 | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| | 5 5 | Orenco Gardens Apartments | Orenco Station | Washington | n/a | \$1,420 | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| 3 9 | Ler | nts Town Center | | | | | | | | | | |
| - | 5 6 | Lents Commons Apartments | Lents Town Center | Multnomah | \$920 | \$1,190 | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| | 5 7 | Oliver Station | Lents Town Center | Multnomah | n/a | n/a | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |

| 4 0 | Sou | uth Waterfront | | | | | | | | | | |
|--------|--------|---|---|-------------------------|---------|---------|----------|----------|---------|----------|----------|---------|
| · | | South Waterfront (The Vera Riverplace) | SW River Pkwy & Moody | Multnomah | n/a | n/a | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| | 5 8 | The Ardea Apartments | SW Moody & Gains | Multnomah | \$1,258 | \$1,500 | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| | 5 9 | Griffis South Waterfront | SW Moody & Gains | Multnomah | \$1,322 | \$1,584 | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| | 6 0 | Ella Apartments | SW Moody & Gains | Multnomah | n/a | \$1,626 | \$61,900 | \$18,570 | \$1,548 | \$38,700 | \$11,610 | \$968 |
| W | ashir | ngton, DC | | | | | | | | | | |
| 4 1 | Col | umbia Heights | | | | | | | | | | |
| | 6 1 | Highland Park (2 buildings) | Columbia Heights Metro | District of Columbia | \$1,570 | \$1,900 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| 4 2 | Pet | worth Station | | | | | | | | | | |
| | 6 2 | Park Place at Petworth Metro | Georgia Avenue- Petworth Metro Station | District of Columbia | n/a | \$1,908 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| 4 3 | Fla | ts 130 at Constitution Square | | | | | | | | | | |
| | 6 3 | Flats 130 at Constitution Square | NoMa - Gallaudet U Metro Station | District of Columbia | \$1,881 | \$2,304 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| 4 | Mo | onroe Street Market | | | | | | | | | | |
| | 6 4 | Monroe Street Market (625 Monroe Street; Phase 1) | Brookland-Cua Metrorail Station | District of Columbia | \$1,686 | \$1,983 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| 4 5 | Res | ston Station | | | | | | | | | | |
| | 6 5 | BLVD at Reston Station | Wiehle-Reston East Metro Station | Fairfax | \$1,750 | \$1,810 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| | 6 6 | Aperture | Wiehle-Reston East Metro Station | Fairfax | n/a | \$1,991 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| 4 6 | Bal | Iston Commons | | | | | | | | | | |
| | 6 7 | Meridian at Ballston Commons | Ballston-MU Metro Station | Arlington | \$1,975 | \$2,085 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| 4 7 | Per | ntagon City | | | | | | | | | | |
| | 6 8 | The Witmer Pentagon City | Pentagon City Metro Station | Arlington | n/a | \$2,258 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |

| 4 8 | Vir | ginia Square | | | | | | | | | | |
|--------|--------|--|--|----------------|---------|---------|----------|----------|---------|----------|----------|---------|
| | 6 9 | Latitude Apartments | Virginia Square GMU Metrorail Station | Arlington | \$2,155 | \$2,375 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| 4 9 | Wł | neaton Station | | | | | | | | | | |
| | 7 0 | MetroPointe | Wheaton Subway Station | Montgomery | n/a | \$1,592 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| | 7 1 | The Exchange at Wheaton Station | Wheaton Subway Station | Montgomery | \$1,455 | \$1,580 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| | 7 2 | The Flats at Wheaton Station | Wheaton Subway Station | Montgomery | n/a | \$1,520 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| 5 0 | Silv | ver Spring Station | | | | | | | | | | |
| | 7 3 | Lenox Park Apartments | Silver Spring Train Station | Montgomery | n/a | \$1,310 | \$65,850 | \$19,755 | \$1,646 | \$51,600 | \$15,480 | \$1,290 |
| | xas, | Austin | | | | | | | | | | |
| 5 1 | Pla | za Saltillo | | | | | | | | | | |
| | 7 4 | Plaza Satillo Development (4 buildings); Residences at Satillo | Plaza Saltillo Station | Travis | n/a | n/a | \$63,300 | \$18,990 | \$1,583 | \$39,600 | \$11,880 | \$990 |
| 5 2 | Kra | amer Station | | | | | | | | | | |
| _ | 7 5 | The Addison / The Domain Apartments | Kramer Station | Travis | n/a | \$1,545 | \$63,300 | \$18,990 | \$1,583 | \$39,600 | \$11,880 | \$990 |
| Te | xas, | Dallas | | | | | | | | | | |
| 5 3 | Cit | yLine/ Bush Station | | | | | | | | | | |
| | 7 6 | Alexan Crossings & Axis 110 | CityLine/ Bush Station | Dallas, Collin | \$1,329 | \$1,339 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| | 7 7 | Anthem Cityline | CityLine/ Bush Station | Dallas, Collin | n/a | \$1,257 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| 5 4 | Ga | latyn Park Station | | | | | | | | | | |
| - | 7 8 | Galatyn Station Apartments | Galatyn Station | Dallas, Collin | n/a | \$1,066 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| | 7 9 | Cue Galatyn Station Apartments | Galatyn Station | Dallas, Collin | n/a | \$1,293 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| 5 5 | Do | wntown Plano Station | | | | | | | | | | |

| | 8 0 | BelAir K Station Apartments | Downtown Plano Station | Collin, Denton | \$895 | \$1,085 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
|--------|--------|---|-------------------------------------|---------------------------|---------|---------|----------|----------|---------|----------|----------|-------|
| | 8 1 | Junction 15 Apartments | Downtown Plano Station | Collin, Denton | \$1,055 | \$1,225 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| 5 6 | Las | Colinas | | | | | | | | | | |
| | 8 2 | The Carolyn | Las Colinas Urban Center Station | Dallas | \$1,470 | \$1,420 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| | 8 3 | Crest at Las Colinas Station | Las Colinas Urban Center Station | Dallas | \$1,286 | \$1,291 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| 5 7 | Do | wntown Carrollton Station | | | | | | | | | | |
| | 8 4 | Union at Carrollton Square (Phase 1 and 2) | Downtown Carrollton Station | Denton, Dallas, Collin | n/a | \$1,281 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| | 8 5 | Lux on Main | Downtown Carrollton Station | Denton, Dallas, Collin | n/a | \$1,560 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| 5 8 | Мо | ockingbird Station | | | | | | | | | | |
| | 8 6 | The Lofts at Mockingbird Station | SMU/ Mockingbird Station | Dallas | n/a | \$1,462 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| | 8 7 | 5 Mockingbird | SMU/ Mockingbird Station | Dallas | \$1,265 | \$1,470 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| 5 9 | City | yplace/Uptown | | | | | | | | | | |
| | 8 8 | The Sawyer Apartments | CityPlace/ Uptown Station | Dallas | n/a | \$1,321 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| | 8 9 | Ardan | CityPlace/ Uptown Station | Dallas | n/a | \$2,142 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| 6 0 | Lan | ncaster Urban Village | | | | | | | | | | |
| | 9 0 | Lancaster Urban Village | VA Medical Center Station | Dallas | \$750 | \$850 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| 6 1 | Spr | ing Valley Station | | | | | | | | | | |
| | 9 1 | Brick Row Apartments | Spring Valley Station | Dallas, Collin | n/a | \$1,245 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| 6 2 | Do | wntown Garland Station | | | | | | | | | | |
| | 9 2 | Oaks 5th Street Crossing (Phase 1 and 2) | Downtown Garland Station | Dallas | \$1,050 | \$1,155 | \$57,000 | \$17,100 | \$1,425 | \$35,600 | \$10,680 | \$890 |
| 6 3 | Par | ker House | | | | | | | | | | |

| | 9 3 | Parker House Apartments | T&P Station | Tarrant | n/a | \$1,285 | \$51,750 | \$15,525 | \$1,294 | \$32,350 | \$9,705 | \$809 |
|--------|-------------|-----------------------------------|-------------------------------------|----------------|---------|---------|----------|----------|---------|----------|----------|---------|
| 6 4 | Gr | apevine/Main Street Station | | | | | | | | | | |
| • | 9 4 | Resort at 925 | Grapevine/Main Street Station | Tarrant | n/a | \$1,380 | \$51,750 | \$15,525 | \$1,294 | \$32,350 | \$9,705 | \$809 |
| Pe | nnsy | lvania, Philadelphia | | | | | | | | | | |
| 6 5 | Ter | nple University Station | | | | | | | | | | |
| • | 9 5 | Paseo Verde South Apartments | Temple University Station | Philadelphia | n/a | \$1,275 | \$60,500 | \$18,150 | \$1,513 | \$37,800 | \$11,340 | \$945 |
| 6 6 | 11t | h Street Station | | | | | | | | | | |
| | 9 6 | The Ludlow Apartments | 11th Street Station | Philadelphia | \$1,698 | \$1,866 | \$60,500 | \$18,150 | \$1,513 | \$37,800 | \$11,340 | \$945 |
| 6 7 | Ells | worth/Federal Station | | | | | | | | | | |
| | 9 7 | Lincoln Square | Ellsworth/Federal Station | Philadelphia | \$1,365 | \$1,825 | \$60,500 | \$18,150 | \$1,513 | \$37,800 | \$11,340 | \$945 |
| 6 8 | Spr | ing Mill Station | | | | | | | | | | |
| | 9 8 | The Courts at Spring Mill Station | Spring Mill Station | Montgomery | n/a | \$1,743 | \$60,500 | \$18,150 | \$1,513 | \$37,800 | \$11,340 | \$945 |
| Ma | aryla | nd, Baltimore | | | | | | | | | | |
| 6 9 | Ow | ings Mills Station | | | | | | | | | | |
| • | 9 9 | The Apartments at Metro Centre | Owings Mills Metro Station | Baltimore | n/a | \$1,750 | \$63,950 | \$19,185 | \$1,599 | \$42,050 | \$12,615 | \$1,051 |
| 7 0 | Syn | nphony Center | | | | | | | | | | |
| | 1 0 0 | Symphony Center Apartments | Cultural Center Station | Baltimore city | n/a | n/a | \$63,950 | \$19,185 | \$1,599 | \$42,050 | \$12,615 | \$1,051 |
| Ge | orgi | a, Atlanta | | | | | | | | | | |
| 7 1 | | dbergh Center Station | | | | | | | | | | |
| | 1 0 1 | Avana on Main | Lindbergh Center Transit Station | Fulton | \$1,020 | \$1,070 | \$55,200 | \$16,560 | \$1,380 | \$34,500 | \$10,350 | \$863 |
| Oh | io, C | leveland | | | | | | | | | | |

| 7 2 | Little Italy University Circle Station | | | | | | | | | | | |
|--------------------------------|--|---|---|-----------|---------|---------|----------|----------|---------|----------|----------|---------|
| | 1 0 2 | Centric | Little Italy University Circle Station | Cuyahoga | n/a | \$1,560 | \$50,350 | \$15,105 | \$1,259 | \$31,450 | \$9,435 | \$786 |
| California, San Diego | | | | | | | | | | | | |
| 7 3 | На | zard Center Station | | | | | | | | | | |
| • | 1 0 3 | 2-story high condominium buildings south of the station) | Hazard Center Station | San Diego | n/a | n/a | \$77,600 | \$23,280 | \$1,940 | \$48,500 | \$14,550 | \$1,213 |
| 7 4 | Sm | Smart Corned at City Collage Station | | | | | | | | | | |
| | 1 0 4 | Smart Corner Condominiums | City Collage Station | San Diego | \$2,100 | \$2,700 | \$77,600 | \$23,280 | \$1,940 | \$48,500 | \$14,550 | \$1,213 |
| 7 5 | The Village at Morena Vista | | | | | | | | | | | |
| J | 1 0 5 | The Village at Morena Vista | Morena/Linda Vista Station | San Diego | n/a | \$1,992 | \$77,600 | \$23,280 | \$1,940 | \$48,500 | \$14,550 | \$1,213 |
| Minnesota, Minneapolis-St Paul | | | | | | | | | | | | |
| 7 6 | Oa | ks Station Place | | | | | | | | | | |
| ь | 1 0 6 | Oaks Station Place | 46th Street Station | Hennepin | \$1,138 | \$1,405 | \$63,950 | \$19,185 | \$1,599 | \$42,000 | \$12,600 | \$1,050 |
| 7 7 | На | mline Station | | | | | | | | | | |
| • | 1 0 7 | Hamline Station East & Hamline Station West (2 buildings) | Hamline Avenue Station | Ramsey | n/a | n/a | \$63,950 | \$19,185 | \$1,599 | \$42,000 | \$12,600 | \$1,050 |
| 7 8 | The Penfield | | | | | | | | | | | |
| Ū | 1 0 8 | The Penfield Apartments | 10th Street Station | Ramsey | \$1,162 | \$1,472 | \$63,950 | \$19,185 | \$1,599 | \$42,000 | \$12,600 | \$1,050 |
| Pennsylvania, Pittsburgh | | | | | | | | | | | | |
| 7 9 | Gla | asshouse | | | | | | | | | | |

D-35

| 1 0 9 | Glasshouse | Station Square Subway Station | Allegheny | n/a | \$2,248 | \$54,300 | \$16,290 | \$1,358 | \$33,950 | \$10,185 | \$849 |
|----------------------|---------------------|----------------------------------|---------------------|---------|---------|----------|----------|---------|----------|----------|-------|
| Texas | s, Houston | | | | | | | | | | |
| 8 0 | McGowen Station | | | | | | | | | | |
| 1 1 0 | Ctation Apartments | McGowen Station | Harris | \$1,749 | \$1,819 | \$50,700 | \$15,210 | \$1,268 | \$31,700 | \$9,510 | \$793 |
| 8 1 | lidtown Main | | | | | | | | | | |
| 1 1 1 | Mid Main Lofts | Ensemble/ HCC Station | Harris | \$1,216 | \$1,395 | \$50,700 | \$15,210 | \$1,268 | \$31,700 | \$9,510 | \$793 |
| Utah, Salt Lake City | | | | | | | | | | | |
| 8 2 | ity Creek | | | | | | | | | | |
| 1 1 2 | City Creek Landing | City Center Station | Salt Lake | n/a | n/a | \$59,000 | \$17,700 | \$1,475 | \$36,900 | \$11,070 | \$923 |
| 8 3 | Gateway | | | | | | | | | | |
| 1 1 3 | Cataway Station | Old Greektown Station | Salt Lake | \$1,418 | \$1,667 | \$59,000 | \$17,700 | \$1,475 | \$36,900 | \$11,070 | \$923 |
| 8 4 F | ireclay village | | | | | | | | | | |
| 1 1 4 | Avida Apartments | Murray North Station | Salt Lake | n/a | \$1,267 | \$59,000 | \$17,700 | \$1,475 | \$36,900 | \$11,070 | \$923 |
| 1 1 5 | Murray Depot | Murray North Station | Salt Lake | n/a | n/a | \$59,000 | \$17,700 | \$1,475 | \$36,900 | \$11,070 | \$923 |
| 1 1 6 | Metro at Fireclay | Murray North Station | Salt Lake | n/a | \$1,219 | \$59,000 | \$17,700 | \$1,475 | \$36,900 | \$11,070 | \$923 |
| Missouri, St Louis | | | | | | | | | | | |
| 8 5 | orsyth Station | | | | | | | | | | |
| 1 1 7 | The Crescent Condos | Forsyth Station | St. Louis County | n/a | n/a | \$54,350 | \$16,305 | \$1,359 | \$34,000 | \$10,200 | \$850 |

APPENDIX E EXAMPLES OF AFFORDABILITY MEASURES WITHIN EACH CATEGORY

Examples of housing affordability measures within each category are provided below.

Top-Down Mechanisms

Top-down measures can be either regulatory or voluntary, and enacted by a city, county, or state.

City, County, and State Regulatory Measures

Most often, regulatory measures are designed to set requirements for the production of income-restricted units. Table 5.7 presents specific measures that have been adopted by cities/counties and states. Generally, they all have a similar form of an inclusionary zoning/housing ordinance or program that sets requirements for new multifamily projects above a certain threshold of total units to reserve a certain share or number of their units as income-restricted. They also usually provide an alternative of a "payment in lieu option."

Although the general idea of all regulatory measures is similar, they may differ in geographical scope or focus that is placed on unit production versus actual fee payment. For instance, Housing Impact Fee programs establish fee requirements for all new multifamily projects, while giving an option of fulfilling the affordable housing requirement either through land dedication or incorporating affordable units into the project. In this case, the fee itself is the main requirement, not the provision of affordable units.

Below we present a more detailed description of a few examples:

Portland's (OR) Inclusionary Housing Policy (City of Portland, n.d.) mandates that all multifamily projects over 20 units initiated after February of 2017 must set aside at least 20% of total units for households earning up to 80% AMI. If located within the Central City and Gateway Plan Districts, 20% of units must be affordable. Developers can elect to make 10% of units affordable at 60% MFI in buildings within the Central City and Gateway Plan Districts, or 8% of units for buildings in all other areas. Developers are also given a choice of either designating affordable units in an existing building or building affordable units offsite in another new development (receiving building), separate from the multifamily development that is subject to the program requirements (sending building). There is also an option of paying a fee in lieu of providing affordable units, which is calculated based on gross residential and residential-related square footage (GSF) of the proposed development at a rate of \$23 to \$27 per GSF, depending on location.

Oakland's (Bay Area, CA) Affordable Housing Impact Fees Ordinance (2016) (City of Oakland, n.d.) requires that any applicant for a development project for which a complete building permit application is submitted on or after September 1, 2016, must pay the impact fee in effect at the time of building permit submittal. The AHIF applies to all (new) Additional Housing Units. Fees are calculated per housing unit and per square foot based on the Impact Fee Zone and Use Fee Category. Payment of the AHIF applicable to Additional

Housing Units is due in two installments: (1) first installment (50%) is due prior to the issuance of a building permit, and (2) second installment (50%) is due prior to the issuance of a temporary certificate of occupancy or certificate of occupancy, or when the building permit is finalized, whichever occurs first. New projects may reduce or eliminate the AHIF by providing on-site or off-site affordable housing units. Development projects opting to include on-site units are required to provide either 10% of moderate/low-income units or 5% of very low-income units. Along with the production of the affordable housing units, new developments may take advantage of the density bonus and incentive procedure, as described in the Oakland planning code and the State density program.

In 2021 AHIFs in zone 1 (most expensive) amount to: (1) \$22,000 per each additional multifamily unit (up from \$5,500 in 2017); (2) \$20,000 per each additional townhome (up from \$6,500 in 2017); and (3) \$23,000 per each additional single-family home (up from \$6,000 in 2017). The AHIFs have gone up by close to 300% in the last four years. The similar is true for the remaining zones 2 and 3 (respectively, less and least expensive). This study has not examined whether this program has produced the desired outcomes.

New Jersey's unique Affordable Housing Obligations system (State of New Jersey, n.d.) stems from the landmark decision of the New Jersey Supreme Court. The Court, through its rulings in South Burlington County NAACP v. Mount Laurel, 67 N.J. 151 (1975) and South Burlington County NAACP v. Mount Laurel, 92 N.J. 158 (1983), has determined that every municipality in a growth area has a constitutional obligation to provide through its land use regulations a realistic opportunity for a fair share of its region's present and prospective needs for housing for low- and moderate-income families. The Supreme Court also called for the state legislature to enact legislation that would save municipalities from the burden of having the courts determine their affordable housing needs. As a result, the state legislature adopted the Fair Housing Act in 1985. This action resulted in the creation of the New Jersey Council on Affordable Housing (COAH), the State agency responsible for monitoring the manner in which the State's municipalities addressed their low- and moderate-income housing needs. In general, COAH prepares affordable housing obligations for the municipalities, which on their side are responsible for formulating Housing Element and Fair Share Plans (Township of Hanover, n.d.).

City and County Voluntary Measures

This category encompasses an array of policies, programs and ordinances that are designed to promote the production of affordable units on a voluntary basis in return for rezoning, density bonuses, or zoning relief. Below we present a more detailed description of a few examples:

Boston's Inclusionary Development Policy (2020) (Boston Planning & Development Agency, n.d.) requires that market-rate housing developments with 10 or more units and in need of zoning relief support the creation of income-restricted housing through (1) inclusion of income-restricted units within their

building (typically 13% of a development's units); (2) creation of income-restricted units at a location near their building; and/or (3) contributing to the Inclusionary Development Policy Fund.

Austin's (TX) 'Affordability Unlocked' Development Bonus Program (2018) (City of Austin, n.d.) offers extensive waivers and modifications of development regulations in exchange for setting aside at least 50% of a development's total units as affordable for a minimum of 40 years for rental and 99 years for ownership units, in addition to other requirements detailed in this guide. At least 20% of the total number of units must serve households at or below 50% MFI, and the average income level served by all affordable units must be less than or equal to 60% MFI. By participating in the program, developers can access waivers or modifications of height and setback requirements, floor-to-area ratio limits, minimum site area requirements, dwelling unit occupancy limits, and minimum lot size and width regulations.

Bay Area's Assembly Bill (AB) 2923 (State of California, 2018) establishes zoning requirements on existing BART-owned property within a half mile of stations in Alameda, Contra Costa, and San Francisco counties. AB 2923 requires BART to use its 2017 TOD Guidelines as baseline standards for its land at each station. These include an allowable residential density of 75 residences per acre, "no minimum" parking standards and a minimum of one bike parking space per residential unit, while building heights and massing are set separately for three urban zones (Regional Center, Urban Neighborhood/City Center and Neighborhood/Town Center). In addition, AB 2923 offers development streamlining for developers in an exclusive negotiating agreement with BART and for projects that are at least 50% residential and include at least 20% of affordable units for low- or very low-income households. These projects may apply for expedited approval from local cities and counties (BART, n.d.).

Bottom-Up Measures

Bottom-up measures may also be categorized into voluntary and regulatory, though the majority of them are voluntary and include various tax exemption programs as well as policies and programs created by transit operators. The largest number of bottom-up measures, however, do not come from any formalized programs and policies, but are driven by ad-hoc actions (such as discretionary fees abatement/waivers/postponement or preferential land sale/lease), that arise from particular situations and negotiations, and are highly dependent on participation and involvement of nonprofit developers and community development corporations (CDCs). They also depend heavily on various types of public funding, which we have categorized in Table 5.7 as regulatory bottom-up measures. Table 5.7, as well as descriptions of projects that are 100% affordable, also includes a sizeable sample of possible sources of such funding. Below, we present more detailed descriptions of a few examples:

Tax Credit/Exemption Programs

The Low-Income Housing Tax Credit (LIHTC) (1986) program is probably the most important resource for creating affordable housing in the United States and was the single most-used mechanism to provide affordable units by TODs and projects examined in this study. There is a vast amount of literature describing the program so we will not do the same here. However, what is more important for this study is the fact that LIHTC was used to finance 14 projects of the 117 examined in this study, of which 9 were 100% affordable projects. In other words, more than half (9 of 16) of 100% affordable projects were at least partially financed with LIHTC equity.

Seattle's (WA) Multifamily Property Tax Exemption (MFTE) Program (1998) (City of Seattle, n.d.) provides a tax exemption on eligible multifamily housing in exchange for income- and rent-restricted units. Property owners may apply for an eight-year or 12-year property tax exemption for building or rehabilitating multifamily housing. The 12-year exemption requires owners to offer at least 20% of their units as affordable housing. In order to fulfill MFTE requirements, rents for one-bedroom apartments must be affordable to households earning less than 75% of the area median income and those for two-bedroom apartments to households earning less than 85% of the area median income (State of Washington, 2019).

Transit Operators Policies

In 2016, **BART** developed and adopted the **Transit-Oriented Development Policy** (BART, n.d.), which established rules and guidelines for the use and management of BART's vast real estate assets. As part of the policy, the transit operator set a district-wide target of 35% of all units to be affordable, with a priority to very low (<50% AMI), low (51-80% AMI) and/or transit-dependent populations. To aid in achieving this 35% affordability goal, BART provides up to a 60% discount in the ground lease for projects with at least 35% affordable housing (30% for projects with a high rise).

In 2013, the Washington Metropolitan Area Transit Authority (WMATA) updated its Joint Development Policies and Guidelines (WMATA, 2013) to reiterate objectives that support TOD and incorporate an affordable housing policy. WMATA's TOD policy is based on joint development. Properties either owned or controlled by Metro are marketed to private developers to develop into TOD. All developers proposing residential projects on WMATA-owned property need to comply with the minimum affordable housing requirements of the jurisdiction where the property is located. Developers are encouraged to seek creative sources of financing (low-income housing tax credits, grants, and other federal and local funding programs) to achieve any local jurisdiction affordability requirements. In June 2021, Amazon and Metro announced a joined \$125 million commitment to create 1,000 affordable housing units at Metro stations in the Washington, D.C., Metropolitan Area (State of Maryland, n.d.).