PRELIMINARY REPORT:

Analyzing Development Costs for Low-Income Housing

LEGISLATIVE AUDITOR'S CONCLUSION:

Development costs for six projects are consistent with independent estimates. Commerce can improve cost controls, and the Housing Finance Commission has opportunities to lower costs by examining for-profit developer involvement.

December 2018

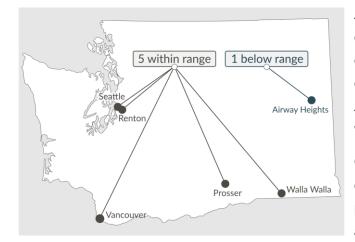
In 2017, the Legislature directed JLARC to analyze the costs of developing low-income housing (i.e., affordable to households making less than 80 percent of the area median income). JLARC staff reviewed the two largest programs in Washington.

	Low-Income Housing Tax Credit (LIHTC)	Housing Trust Fund (HTF)
Managing agency	Washington State Housing Finance Commission (Commission)	Department of Commerce (Commerce)
Type of subsidy	Federal tax credits and tax-exempt bonds	State grants and low- interest loans
Multifamily housing financing awarded (2017)	\$644 million in tax credits and \$732 million in bonds	\$54 million
Multifamily units financed (2017)*	7,049	1,785

* Some projects may have received both LIHTC and HTF funds and units are included in both counts.

Source: Washington State Housing Finance Commission and Department of Commerce.

Six case studies found development costs were within or below estimates expected by independent experts



JLARC worked with professional cost estimators who calculated retrospective estimates for six LIHTC projects completed between 2014 and 2016. JLARC staff found that the costs were within or below the estimated cost ranges.

Commerce does not collect final development costs for Housing Trust Fund projects, so it was not possible to conduct a similar analysis for that program.

Analysis shows location, developer type, and project characteristics affect costs. Program restrictions and population needs can limit the ability to change some of these factors.

-LOCATION Located in King County or in a neighborhood with higher rent, older housing stock, or higher poverty rate

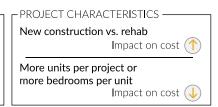
also serves as general contractor

DEVELOPER TYPE -

Impact on cost (个

For-profit developer or developer that

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Statistical analysis of 241 LIHTC projects showed that location, developer type, and project characteristics are factors most likely to affect development costs. There was insufficient information to determine how prevailing wage and environmental building requirements affect costs.

- The ability to alter some factors may be limited. For example, having more bedrooms per unit may not be appropriate for housing that serves single adults.
- Influencing the type of developer raises broader policy issues beyond development • costs. Stakeholders noted nonprofit and housing authority developers may be best suited to serve more vulnerable populations once developments are operational. As a result, those developers may fulfill more scoring criteria than for-profit developers when competing for certain funding. Commission policy encourages for-profit developers and nonprofit organizations to develop projects as co-owners. This has not occurred.

The Commission follows key best practices for monitoring and controlling costs, while Commerce can improve its cost controls

The Commission follows most best practices published by the National Council of State Housing Agencies. Commerce does not collect final development costs, limiting its ability to analyze and monitor cost data over time.

Legislative Auditor Recommendations

- The Commission should identify and evaluate options for increasing the involvement of for-profit developers in the 9% tax credit program and report their findings to the Legislature.
- Commerce should collect final development cost data from Housing Trust Fund recipients to improve cost controls.
- Commerce and the Commission should report development cost data to the Legislature annually.

You can find additional information on the Recommendations tab.

REPORT DETAILS

1. Two programs finance low-income housing

The Washington State Housing Finance Commission and the Department of Commerce manage programs that finance low-income housing development

Two main programs offer incentives for the development of low-income housing

Two programs provide the majority of funding and have financed the most units in Washington: the Low-Income Housing Tax Credit program and the Housing Trust Fund. Most of this housing serves low-wage workers, farm workers, people experiencing homelessness, persons with disabilities, seniors, and other populations.

Washington State Housing Finance Commission offers federal tax credits (LIHTC program)

The Washington State Housing Finance Commission (Commission) administers the Low-Income Housing Tax Credit program, commonly called LIHTC (*pron. "lie-tech"*). The program finances construction of low-income housing through federal tax incentives.

Housing financed by LIHTC must be affordable to households with incomes at 60 percent or less than the area median (26 US Code § 42 (g)(1)(B)). Once built, housing must remain affordable to low-income tenants for at least 30 years.

Developers use credits to secure funding from investors

The program provides an indirect subsidy to housing developers.

- 1. The Internal Revenue Service (IRS) provides federal tax credits for the development of low-income housing. The tax credits are allocated at the state level.
- 2. The Commission awards the state's tax credits to developers. Developers may receive a 9% tax credit or a combination of a 4% tax credit and tax-exempt bonds (see below).

- 3. A developer transfers the credits to an investor that funds the housing. The investor becomes a majority owner of the housing, and uses the credit to reduce its federal income tax liability.
- 4. The developer uses the money received from the investor to build low-income housing.

Exhibit 1.1: LIHTC offers incentives in two ways: a 9% tax credit or taxexempt bonds plus a 4% credit

	9% Tax Credit	Bond/4% Tax Credit
Description	Provides tax credits that typically generate equity for 70% of a project's development costs.	Provides tax credits that typically generate equity for 30% of a project's development costs as long as 50% of the costs are financed by tax-exempt bonds.
Commission award process	 The IRS limits available tax credit. Demand typically exceeds the amount of available tax credit. Projects are financed through a competitive process with criteria set by the Commission. 	 The IRS does not limit tax credit but does limit tax-exempt bonds. Demand has not exceeded the amount of available bonds. Projects are financed if they meet Commission program criteria.
Recipients	 Nonprofits and housing authorities For-profit developers are eligible but have not received the tax credit in over five years. 	Nonprofits, housing authorities, and for- profit developers
Population served	Households with lower incomes or special needs (e.g., supportive housing for the homeless)	Households with slightly higher incomes (e.g., workforce housing)
Units developed (2009-16)	7,026	14,177

Source: JLARC staff analysis.

Department of Commerce offers grants and loans through the Housing Trust Fund

The Department of Commerce (Commerce) administers the Housing Trust Fund, a state program that makes grants and low-interest loans for low-income housing. The maximum award is \$3 million per project. The Housing Trust Fund serves households with 80 percent or below the area median income (RCW 43.185A.010). Once built, housing must remain affordable for at least 40 years.

Commerce must use a competitive process and award funds to nonprofit or government developers

Statute (Chapter 43.185 RCW) requires that Commerce:

- 1. Use a competitive application process that evaluates applicants against statutory criteria.
- 2. Allocate funds to nonprofit or government developers (e.g., tribes, local governments, housing authorities). For-profit developers are not eligible.
- 3. Give preference to applications based on criteria such as commitment to serve populations with the greatest need, providing housing for people with the lowest incomes, and leveraging other funding sources.

Although statutory direction to prioritize costs when evaluating applications expired in 2013, Commerce continues to consider costs when awarding funds. The Legislature can allocate Housing Trust Fund dollars to specific developments.

2. Costs are within estimated ranges

Six case studies found development costs were within or below estimates expected by independent experts

JLARC staff reviewed six completed Low-Income Housing Tax Credit (LIHTC) projects to evaluate costs

The Legislature directed JLARC to compare the costs of developing subsidized low-income and market-rate housing. Like other researchers and entities such as the Government Accountability Office that have reviewed this question, JLARC was unable to obtain comparable data from market-rate developers. In the absence of this data, JLARC contracted with a team of independent cost estimating professionals to develop retrospective estimates for six projects that received LIHTC funding. The retrospective estimates enabled a comparison of expected costs with actual costs.

Each project was funded by the Low-Income Housing Tax Credit (LIHTC) program (either the 9% tax credit or a combination bond/4% tax credit). These case studies reflect various regions, developer types (e.g., nonprofit, for-profit), populations served, and construction years. More detail about the sites used in the case studies is available in Appendix A.

Total development costs were within or below ranges calculated by professional cost estimators

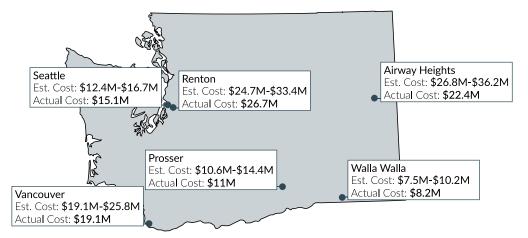
JLARC staff hired professional cost estimators to calculate a retrospective cost estimate for each housing development. The estimators:

- Reviewed architectural drawings.
- Considered market conditions, wage requirements, and other federal, state, and local requirements in place during development.
- Considered construction conditions that affected cost or time (e.g., labor supply, site contamination).

- Considered the cost effect of the state's green building performance standard (the <u>Evergreen Sustainable Development Standard</u>¹), required by RCW 39.35D.080.
- Completed site visits and interviews with industry professionals.

The estimators provided a range of estimated total development costs for each case study. The costs include materials, labor, architect fees, loan fees, and other costs. JLARC staff compared the cost estimates to actual total development costs reported to the LIHTC program. The actual costs are within or below the estimated ranges.

Exhibit 2.1: Case studies of six LIHTC projects found actual development costs are within or below estimated ranges



Source: JLARC staff depiction of six LIHTC projects, the retrospective estimates of costs, and actual costs.

LIHTC development costs are reviewed during and after development

The Commission requires the owner of the LIHTC-financed property to monitor costs during development. In addition, lenders and investors often monitor costs to ensure that funds are spent appropriately. Monitoring may include site visits and use of third-party architects to ensure construction quality.

After a project is built, the Commission requires the developer to submit a final cost certification prepared by an independent Certified Public Accountant.

¹ Washington's green building performance standard required of all low-income housing projects financed through LIHTC or the Housing Trust Fund.

Analysis of a small sample of Seattle sites indicates challenges in comparing LIHTC developments with market-rate projects

With the assistance from the Department of Housing and Urban Development (HUD), JLARC staff compared LIHTC and market-rate development costs for a sample of multifamily projects that participated in a HUD-insured mortgage program. In a comparison of 13 market-rate and 11 LIHTC projects in Seattle, LIHTC projects cost 8 percent more per unit than market-rate projects.

The comparison highlighted some differences between the market-rate and LIHTC housing developments that may contribute to cost differences:

- LIHTC projects include the developer's compensation in the development costs. In contrast, market-rate developers are compensated through the rental or sale of the development. By excluding the developer's profit in the development costs, market-rate costs may appear lower than LIHTC costs.
- The LIHTC developments had fewer units, but units typically had more bedrooms and more square footage than the market-rate developments.

Outside of this sample, it is unknown how LIHTC development costs compare with marketrate costs because comprehensive and verifiable market-rate data is unavailable for a full comparison.

3. Analysis identifies factors that affect development costs

Statistical analysis of all 241 LIHTC project sites from 2009-2016 shows location, developer type, and project characteristics affect costs. The Housing Finance Commission has opportunities to lower cost by examining for-profit involvement.

JLARC staff used **a regression analysis** to assess factors that may affect development costs. These costs include materials, labor, architect fees, and other costs, but exclude land costs and reserves. The analysis included 241 sites built between 2009 and 2016 with funding from the Low-Income Housing Tax Credit (LIHTC) program (for project data, see Exhibit B1 in Appendix B). JLARC staff used data from the Washington State Housing Finance Commission (Commission) and the U.S. Census. This is the first complete analysis of Washington's LIHTC data and helps identify cost drivers and actions that may be available to control costs.

Regression approach: Many factors may affect development costs. JLARC staff modeled the relationship between development costs and factors such as construction year, developer

What is a regression analysis?

Regression analysis is a commonly accepted statistical tool that estimates the relationship between a factor (explanatory variable) and an outcome (dependent variable). The analysis holds other factors constant so the researcher can evaluate one at a time.

Regression analysis helps identify which factor(s) have a high likelihood of affecting costs. It also helps estimate the size of each factor's impact.

See Appendix B for more information about interpreting regression results.

type, location, and size. The models analyzed cost per unit, cost per square foot, and cost per bedroom. The cost per bedroom model had the greatest explanatory power and was generally consistent with the other models, so it is presented here. Additional information and results for the cost per unit and per square foot models are in Appendix B.

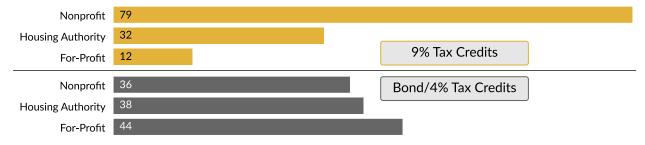
For-profit and vertically integrated developers are associated with lower costs

The regression analysis suggests for-profit developers and vertically integrated developers are associated with lower costs (see Exhibit 3.2). For this analysis, vertically integrated is defined as developers also serving as their own general contractor or having a shared interest with the project's general contractor.

These findings are consistent with similar research. However, influencing the type of developer raises broader policy issues beyond development costs.

For-profit companies developed 38 percent of the projects financed with the bond/4% tax credit program from 2009-2016. However, Commission scoring criteria favor nonprofit developer and housing authority participation in the 9% tax credit program (see Exhibit 3.1). The 9% tax credit is intended for housing projects that serve the lowest income populations or those with specific service needs. Nonprofits and housing authorities with missions to serve these populations fulfill more scoring criteria than for-profit developers. For-profit developers may be more competitive for the 9% tax credit if they partner with a nonprofit or housing authority as co-owners. This has not occurred. JLARC staff found that for-profit developers have not received the 9% tax credit since 2013.





Source: JLARC staff statistical analysis of LIHTC data.

According to the Government Accountability Office and Oregon's housing finance agency, for-profits have developed projects using the 9% tax credit in other states.

Developers with a high level of development activity are more likely to be vertically integrated. Stakeholders noted that nonprofits and housing authorities may not have enough construction work to afford becoming vertically integrated.

All else being equal, if a developer is:	Predicted development cost per bedroom is:	For example, a development that costs:				
A nonprofit or a housing authority	15-28% more than if the developer were a for- profit.	\$100K/bedroom predicted if developed by a for-profit	to cost \$115K/bedroom if developed by a nonprofit \$128K/bedroom if developed by a housing authority			
Vertically integrated 2	11% less than if the developer were not vertically integrated.	\$100K/bedroom predicted if developer is not vertically integrated	<i>to cost</i> \$89K/bedroom if developer is vertically integrated			

Exhibit 3.2: Developer type associated with lower development costs

Source: JLARC staff statistical analysis of LIHTC and U.S. Census data.

² Vertically integrated developers also serve as their own general contractor or have a shared interest with the project's general contractor.

Location and other project characteristics also impact costs, but the ability to control these characteristics may be limited by the needs of the population served

The regression analysis suggests that location and new construction can increase costs. Rehabilitation projects or building more units or bedrooms may reduce costs (see Exhibit 3.3). See Appendix B for more information about how development factors can affect costs.

Still, it may be difficult for the Commission or the Department of Commerce to change these cost factors.

- **Location:** Some of the people served live in King County or in neighborhoods with higher rent, older housing stock, or higher poverty.
- New construction versus rehabilitation: In some areas, new construction projects may be the only option if sites suitable for rehabilitation are not available.
- **Building size:** Building more units or bedrooms may depend upon need, population served, funding, acreage available, and zoning. For example, constructing more bedrooms per unit may not be appropriate for a development serving single adults in an urban setting. Likewise, constructing additional units may not be appropriate for a development located in an area with a small population.

Exhibit 3.3: Location and project characteristics associated with changes to development costs

All else being equal, if a development is:	Predicted development cost per bedroom is:	For example, a develo	oment that costs:
Located in Seattle/King County	More than a project in the <u>Non-Metro region</u> ³ . (The regression found no significant relationship when comparing costs for the Metro region and the Non-Metro regions.)	\$100K/bedroom predicted to in Non-Metro region	cost \$123K/bedroom in Seattle/King County region
Located in a neighborhood with higher rent	More than a project in an area with lower rent.	\$100K/bedroom predicted to in area with \$900 median rent	o cost \$104K/bedroom in area with \$1000 median rent
Located in a neighborhood with older housing stock	More than a project in an area with newer housing stock.	\$100K/bedroom predicted to in area where housing stock is 10 years old	cost \$104K/bedroom in area where housing stock is 20 years old
Located in a neighborhood with higher poverty rates	More than a project in an area with a lower poverty rate.	\$100K/bedroom predicted to in area with 10% poverty rate	o cost \$105K/bedroom in area with 20% poverty rate
New construction	More than a rehabilitation project.	\$100K/bedroom predicted to for rehabilitation	o cost \$131K/bedroom for new building construction
A project with more units	Less than a project with fewer units.	\$100K/bedroom predicted to for project with 100 units	o cost \$96K/bedroom for project with 150 units
A project with more bedrooms per unit	Less than a project with fewer bedrooms per unit.	\$100K/bedroom predicted to for 1-bedroom unit	o cost for 2-bedroom unit \$64K/bedroom for 3-bedroom unit

Source: JLARC staff statistical analysis of LIHTC and U.S. Census data.

³ The Commission divides the state into three geographic regions: Seattle/King County, Metro (Clark, Pierce, Snohomish, Spokane, and Whatcom counties), and Non-Metro (all other counties).

Consultants and stakeholders identified other factors that may affect development costs but were not possible to isolate in the analysis

Wage requirements: State, local, and federal laws require that prevailing wages be paid for developments that receive certain state, local, or federal funds. Developers suggested that wage requirements may increase development cost by increasing labor rates or limiting the number of general contractors willing to bid on the project. However, it was not possible to evaluate this statement with statistical analysis due to a lack of reliable data. Further, a review of the wage requirements in six case studies of LIHTC projects was inconclusive (see Appendix A).

Legislation passed in 2018 may affect the future impact of wage requirements. SB 5493, which took effect September 2018, changed how prevailing wage rates are calculated. Staff at the Department of Labor and Industries thought the change might increase the overall minimum prevailing wage rates for construction projects, including low-income housing projects. Labor and Industries notes the level of increase depends on many factors, such as specific trades involved in a project and local collective bargaining agreements. JLARC staff analyzed a selection of wage rates and found that average wage rates increase with the new method.

Environmental requirements: Projects funded by the LIHTC or the Housing Trust Fund must comply with the state's <u>Evergreen Sustainable Development Standard (ESDS)</u>⁴. Since all projects in this study must comply with the standard, JLARC staff had no comparison group for a statistical analysis of the standard's impact on costs. For six case studies of LIHTC projects, cost estimators believe that compliance with the standards increased costs by up to 4 percent (see Appendix A).

Legislative Auditor Recommendation

• The Commission should identify and evaluate options for increasing the involvement of for-profit developers in the 9% tax credit program and report their findings to the Legislature.

You can find additional information on the Recommendations tab.

⁴ Washington's green building performance standard required of all low-income housing projects financed through LIHTC or the Housing Trust Fund.

4. Agencies can improve reporting and controlling costs

The Commission follows key best practices for monitoring and controlling costs, while Commerce can improve its cost controls

JLARC staff assessed agency policies for monitoring and controlling costs for projects funded through the Low-Income Housing Tax Credit (LIHTC) program and Housing Trust Fund.

The Washington State Housing Finance Commission has procedures to ensure reasonable development costs

JLARC staff compared the Commission's practices to best practices published by the National Council of State Housing Agencies (NCSHA).

- The Commission follows best practices for monitoring and controlling costs for projects in the LIHTC program. For example, it ensures costs are reasonable by setting limits and giving developers with lower costs an advantage for competitive awards.
- After a project is built, the Commission requires the developer to submit a final cost certification prepared by an independent Certified Public Accountant.

Commerce collects some cost data but does not track final development cost

Commerce reviews total development cost estimates when developers apply for Housing Trust Fund (HTF) money and monitors costs during construction. Since 2002, Commerce has contracted with a third-party construction inspector, the <u>Washington Community</u> <u>Reinvestment Association (WCRA)⁵</u>, to review expenses and conduct site inspections during construction. Commerce does not track final development costs after a project is completed. Without final development cost data, Commerce cannot analyze development costs of

⁵ WCRA is a nonprofit that provides financing to low-income housing developers.

projects funded with Housing Trust Fund money or compare actual expenses to estimates in the project applications.

At the Legislature's direction, Commerce identified 14 actions in 2009 and 2012 to increase the cost effectiveness of the HTF program. One of the actions is to monitor final development costs. Because Commerce does not collect this data, it is unable to implement its own recommendation to document and monitor development cost data over time.

Legislative Auditor Recommendations

- Commerce should collect final development cost data from Housing Trust Fund recipients to improve cost controls.
- Commerce and the Commission should report total development cost data to the Legislature annually.

You can find additional information on the Recommendations tab.

5. Subsidized programs limit developers' options

While construction is similar to market-rate housing, low-income housing program requirements limit flexibility in financing, operating incomes, and ability to sell

While comparing development costs of subsidized low-income and market-rate housing was not possible, JLARC staff compared life cycle processes for both types of housing.

There are four life cycle processes that developers of low-income or market-rate housing must consider: financing, construction, operations, and sale. As directed by the Legislature, this report focuses on development (financing and construction). Financial differences at later stages may limit a developer's ability to generate income through rental or sale of the property.

Exhibit 5.1: There are important differences in regulatory requirements for developing and managing low-income and market-rate housing

	FINANCING	CONSTRUCTION	OPERATION	SALE
Low-Income	Must assemble funding from many sources	Same materials and labor process, wages may vary	Rent restrictions limit operating income	Funding sources restrict the sale
Market-Rate	Funded by loans and equity		No rent restrictions	No sale restrictions

Source: JLARC staff analysis.

Low-income financing is more complicated and time-consuming

Low-income housing programs require multiple funding sources. A single development may receive a loan from a bank, an equity contribution from a private investor, and public funding at the local, state, and federal levels.

This financing structure complicates low-income housing development:

• Application, public participation, and distribution of funds from multiple sources may slow the timing of site acquisition, permitting, and construction.

- Each funding source may require separate applications, inspections, monitoring, and legal services.
- Each funding source may require compliance with additional federal, state, and local policies and priorities. This includes prevailing wage requirements, public works requirements, and environmental building standards.

In contrast, market-rate projects have a simpler financing structure. Often a single bank loan and an equity contribution can fund the development.

The construction process is similar for low-income and marketrate housing development

The construction process is largely the same for both types of housing developments. Both may use the same contractors, buy the same materials, and utilize the same labor pool. They are subject to the same local regulations, such as design review and permitting. All housing developments are subject to the same building codes and must pass inspections. As noted above, when prevailing wages apply, there may be additional compliance requirements.

State and federal rent caps limit future operating income for low-income housing

Low-income housing projects are limited in their ability to raise operating income because rent is restricted to levels set by federal and state agencies. The restrictions are in place for 30 years or more. In addition, projects that serve extremely low-income populations, such as supportive housing for the homeless, may incur the cost of providing necessary tenant services. Due to these operating income limits, investors may require and regulate the use of operating reserves by developers to pay for future repairs or unexpected costs.

In contrast, developers of market-rate housing can adjust rents to market conditions and use rental revenue for operating costs and profit.

Subsidized low-income developers have more sale restrictions

Sale or transfer of ownership of subsidized low-income housing developments are subject to funding program approvals and procedures. Projects must comply with rent restrictions for 30 years or more. Sale prices reflect the requirements for long-term rental restrictions.

In contrast, market-rate developers can sell at any time at market price.

Appendix A: Case studies

JLARC staff reviewed six case studies from the Low-Income Housing Tax Credit program

JLARC staff selected six Low-Income Housing Tax Credit (LIHTC) developments for analysis of the development process and costs. The case studies represent a variety of LIHTC developer types and project sites. All projects were completed within the last four years and many are intended for specific low-income populations, such as homeless young adults, farmworkers, seniors, and people with disabilities. The six case studies include:

- Two from each funding region (Seattle/King County, Metro, and Non-Metro).
- Two from each developer type (nonprofit, for-profit, and housing authority).
- Three from each type of tax credit (9% tax credit and bond/4% tax credit).

JLARC's professional cost estimator calculated a retrospective cost estimate for each housing development (tab 2). A second cost estimator reviewed the estimates and found them to be thorough and reasonable. More details about each project are below.

Copper Landing, Airway Heights



Copper Landing is located on Kalispel Tribal Trust Land. The developer entered into a ground lease agreement with the Kalispel tribe for the right to build on the property. The development was financed using bond/4% tax credits and bank and business loans. The development consists of nine buildings with one-, two-, and three-bedroom garden-style walk-up apartments The development also has a clubhouse, playground, and pool.

⁶ As required by the Davis-Bacon Act of 1931, federally funded construction projects must pay a minimum wage determined by the US Department of Labor to laborers and mechanics. In general, wage rates for residential construction are lower than wage rates for non-residential construction.

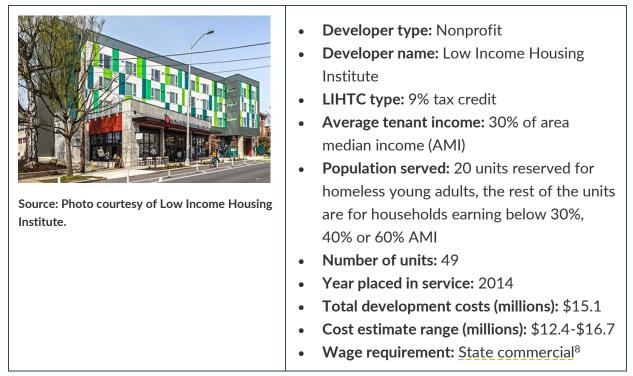
15 West, Vancouver



15 West was financed using bond/4% tax credits, loans, and developer equity. The developer also received a <u>multifamily tax exemption</u>⁷. 15 West is a mid-rise building with studio, one-, two-, and three-bedroom units. The units are restricted to tenants who earn 60% or below the area median income.

⁷ A 12-year property tax exemption offered by cities to qualifying projects that provide low-income housing.

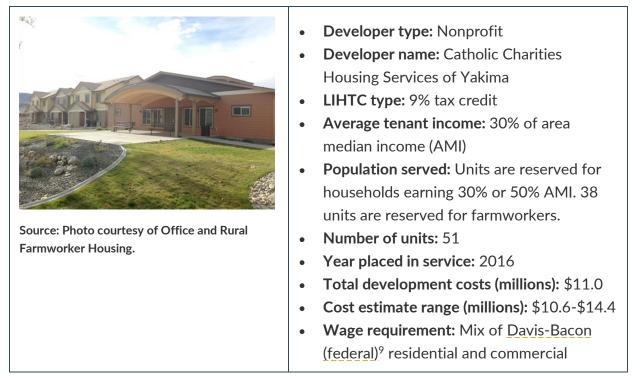
Marion West, Seattle



Marion West, originally called University Commons, is a mixed-use building located in Seattle's University District. The development was funded using 9% tax credits, low-interest loans from the City of Seattle, King County, and the Housing Trust Fund, developer equity, capital campaign proceeds, and the State Building Communities Fund. The residential portion of the development has on-site caseworkers and full-time staff and provides 47 studio and two one-bedroom units. The University District Food Bank is located on the first floor and includes a nonprofit coffee shop that provides job training for youth. There is a rooftop garden that supplements the food bank.

⁸ By state law, construction contractors must pay workers prevailing wages on state-funded projects. Wage rates are established by the Department of Labor and Industries. In general, commercial wage rates are higher than residential wage rates. A commercial wage rate may be required on housing construction if there are non-residential spaces (such as a food bank) in an otherwise residential building.

Rio de Vida, Prosser



Rio de Vida, originally called Prosser Family Housing, is a 51-unit townhouse development built by the Catholic Charities Housing Services Yakima with assistance from the Office of Rural and Farmworker Housing. The development was funded using 9% tax credits, lowinterest loans from the United States Department of Agriculture Rural Development, and Benton County 2060 funds. There are two- and three-bedroom units. The development also features a common room, kitchen, recreation area, and computer lab.

⁹ As required by the Davis-Bacon Act of 1931, federally funded construction projects must pay a minimum wage determined by the US Department of Labor to laborers and mechanics. In general, wage rates for residential construction are lower than wage rates for non-residential construction.

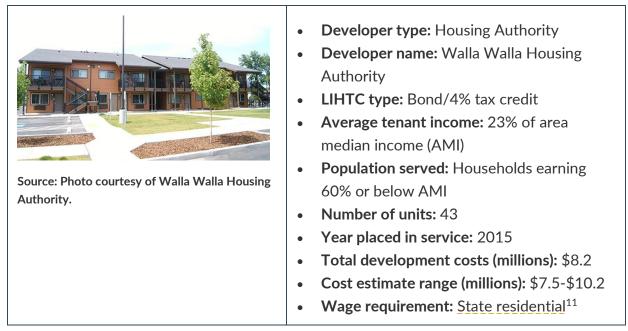
Vantage Point Apartments, Renton



Vantage Point Apartments was developed by the King County Housing Authority (KCHA) on an existing KCHA property. The development was financed using 9% tax credits, with additional funds from the state, county, and developer. The KCHA developed the project after it secured operating assistance from the Department of Housing and Urban Development. The development has 77 units: 72 one-bedroom and 5 two-bedroom units.

¹⁰ As required by the Davis-Bacon Act of 1931, federally funded construction projects must pay a minimum wage determined by the US Department of Labor to laborers and mechanics. In general, wage rates for residential construction are lower than wage rates for non-residential construction.

Lariat Gardens, Walla Walla



Originally a motel built in 1961, Lariat Gardens was converted into housing in 2001. The Walla Walla Housing Authority (WWHA) acquired the site in 2009 to preserve affordable housing near the downtown core. The WHHA renovated the existing building and constructed new buildings. The development was financed using bond/4% tax credits, low-interest loans from the Housing Trust Fund, HUD HOME funds, and developer equity. Lariat Gardens has 43 units: 23 one-bedroom and 20 two-bedroom.

¹¹ By state law, construction contractors must pay workers prevailing wages on state-funded projects. Wage rates are established by the Department of Labor and Industries. In general, residential wage rates are lower than commercial wage rates.

Appendix B: Detailed statistical analysis

Regression analysis identified variables associated with changes in development costs

JLARC staff conducted linear regression analysis to identify how certain factors affect the costs of developing low-income housing. The model included 241 low-income housing projects financed using Low-Income Housing Tax Credits (LIHTC) that were placed in service in the period 2010-2017.

What is regression analysis?

Regression	Independent variables		Dependent variables		
analysis is a	Developer type	How do the	Total development cost:		
statistical	Vertical integration of	independent variables	Per bedroom		
technique	developer	explain variance in the	Per unit		
used to	Number of units	respective dependent	Per square foot		
estimate the quantitative	Number of bedrooms per unit	variables?	·		
relationships	Geographic region				
between	Area rent		XAMPLE v does constructing a new ding versus rehabilitating		
multiple factors	Area poverty				
(independent	Age of housing stock		isting building affect the		
variables) and a particular		total o bedro	development cost per pom?		

outcome (dependent variable). For example, regression analysis can measure how a building's size affects its development costs. When there are many factors that affect an outcome, researchers can use regression to "control for," or take into consideration, those other factors. In this case, regression analysis can measure how a building's size affects its development costs while separately taking into consideration other factors such as the building's location, and its developer type.

Regression analysis estimates the variance accounted for in the outcome given the independent variables. The outcome is called the "dependent variable." In this study, JLARC staff conducted several regression analyses using different dependent variables, including a

project's total development cost (TDC) per unit, TDC per square foot, and TDC per bedroom. Ultimately, we decided to use TDC per bedroom for three reasons:

- 1. The regression analysis with TDC per bedroom was generally consistent with other models and showed the greatest explanatory power of all the dependent variables we considered.
- 2. TDC per bedroom serves as a reasonable proxy for the number of people served by low-income housing programs as compared to per unit or per square foot.
- 3. A regression analysis of TDC per bedroom offers a unique contribution to research on low-income housing development costs.

Most studies do not analyze TDC per bedroom because adequate data is rarely available. To make our research accessible to researchers that use TDC per unit, we have also included our regression analysis of TDC per unit and TDC per square foot below.

We also developed a series of regression models based on different regions of the state (King County, Metro, and Non-Metro areas). These models are generally consistent with the initial models, so for the sake of brevity the models are not displayed in this appendix.

Source data

Data for the regression analyses came primarily from two sources: the Washington State Housing Finance Commission (WSHFC) and the U.S. Census.

WSHFC: LIHTC Project Data - WSHFC provided JLARC staff with project cost data for Low-Income Housing Tax Credit (LIHTC) projects placed in service between 2010 and early 2017. This is the most recent data available. WSHFC staff indicated that the most reliable sources of cost data for LIHTC projects are the cost certifications that all projects must submit, pursuant to requirements from the Internal Revenue Service. JLARC staff received final cost certifications for 241 LIHTC projects, compiled this data, and developed additional variables based on this data (see Neighborhood Characteristic Data).

U.S. Census: Neighborhood Characteristic Data - JLARC staff compiled selected characteristic data for the census tracts in which LIHTC projects are located. These data include the median contract rent, the median housing stock age, and the percentage of the population with income below the poverty line for the years in which the project applied for the LIHTC allocation.

The final analyses use the characteristic data from the application year, rather than the placed-in-service year, because these variable are a reasonable proxy for property values and infrastructure condition prior to the start of construction. If the model had used data

from the year the LIHTC projects were placed in service, potential improvements from the LIHTC development to the neighborhood could have biased the estimates.

Dependent variables

JLARC staff considered multiple model specifications to assess the relationship between project characteristics and inflation-adjusted total development cost (TDC) per bedroom, per unit, and per square foot.

The TDC calculation does not include land acquisition and reserves. JLARC staff omitted land cost from total development costs because it varies widely due to geography and other factors that are extraneous to housing development. Doing otherwise could offer a misleading comparison of development costs. In some cases, land may be donated, leased, or acquired at below market rates. For example, in one project a nonprofit developer acquired a 0.8 acre property in Redmond for \$75. At the time of the acquisition, a neighboring property of nearly identical size had an appraised land value of nearly \$2 million.

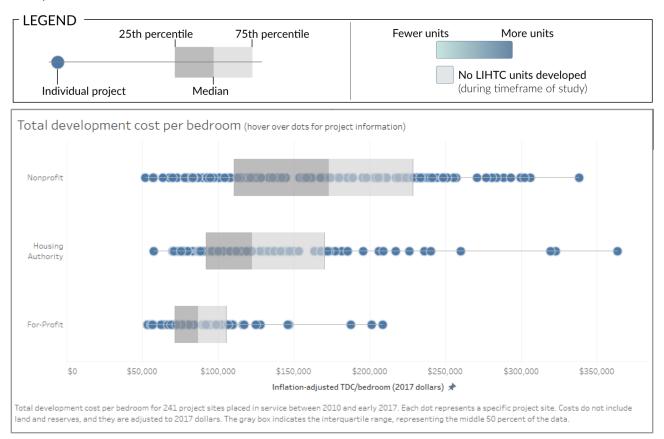
JLARC staff also omitted reserve amounts because they, too, could offer a misleading comparison of development costs. Reserves are not uniformly required of all LIHTC projects. Lenders, investors, or public funders may decide whether a reserve is required and establish the amount.

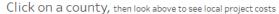
Since projects were built in different years, JLARC staff adjusted development costs for inflation. JLARC staff used the chained price deflator for multi-family residential construction estimated by IHS-Global Insight to index the construction costs to 2017.

The data included some projects with per-bedroom development costs well above those of most other projects. JLARC staff statistically adjusted for the skew caused by these projects by calculating the logarithm of the development costs. This is a typical technique to adjust for a skewed population in regression analysis methods. Regression coefficients are typically interpreted as a unit change in an independent variable being associated with a unit change in the dependent variable. However, the log transformation of the original dependent-variable data requires a conversion of the regression coefficients such that the interpretation of each unit change in the independent variable is associated with a percent change in the dependent variable.

Exhibit B1: Distribution of total development cost by developer type

Click on image to enable interactive data filtering (clicking on image will take you to another website called Tableau Public).



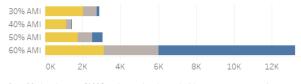








Number of units reserved for certain income levels (click on a bar and look above to see applicable projects)



The Area Median Income (AMI) is the median household income in a particular county or metropolitan area. Units may be reserved for households with incomes less than 30, 40, 50, or 60 percent of AMI.



Exhibit B2: Descriptive statistics of the dependent variables for the regression models

Dependent Variable	Mean	Median	Standard Deviation	Range	Minimum	Maximum	Count
Natural log of TDC minus land and reserves per bedroom	11.8	11.7	0.5	1.9	10.9	12.8	241
Natural log of TDC minus land and reserves per unit	12.3	12.3	0.3	2.0	11.2	13.2	241
Natural log of TDC minus land and reserves per square foot	5.4	5.4	0.4	2.0	4.6	6.6	241

Source: JLARC staff statistical analysis of LIHTC data.

Independent variables

JLARC staff identified independent variables based on a review of existing research and interviews with stakeholders. Explanations of the independent variables used in the regression are below and the descriptive statistics are displayed in Exhibit B2. Many of the independent variables are binary. These variables have a value of 1 if the condition they describe is true, and the value is 0 if the condition does not apply. The neighborhood characteristics variables were created using the U.S. Census' American Community Survey data.

- Construction years are seven binary variables for the respective years 2009-2016. Construction year is an estimated value and defined as the year prior to a project being placed in service. In the analysis, 2015 is omitted and serves as the comparison category for each included year.
- Two binary variables capture developer type and identify projects as having been developed by nonprofit or government entities. For-profit developers are factored into the analysis by serving as the comparison category.

- Two binary regional variables capture projects located in King County or <u>Metro</u> <u>areas¹²</u>. The comparison category is for projects located in Non-Metro areas.
- New construction is a binary variable identifying new construction projects. Rehabilitation projects are the comparison category.
- 9% tax credit LIHTC is a binary variable identifying developments participating in the 9% tax credit program and bond/4% tax credit program. The bond/4% tax credit program is the comparison category.
- Number of units captures the total number of units built for each LIHTC development.
- Average square foot per unit captures the average square footage of residential space, common areas, and structured parking per unit in the LIHTC development.
- Average number of bedrooms per unit provides an alternate measure of unit size for each LIHTC development. This variable also allows for estimates of the number of people potentially served by each development.
- Four stories or more is a binary variable indicating whether each project is four stories or more. This variable was estimated by counting the projects that listed midor high-rise units on the cost certifications, rather than single-family, townhouse, or walk-up units.
- Structured parking is a binary variable identifying housing developments that included any structured parking stalls.
- Vertical integration is a binary variable identifying whether the developer was
 vertically integrated for the project. Vertical integration means the developer also
 serves as their own general contractor or has a shared interest with the project's
 general contractor. JLARC staffed relied on information included in the cost
 certification documents to identify developments where the developer also served as
 the general contractor.
- Homeless units is a binary variable identifying whether the project has any units dedicated for people experiencing homelessness.
- Median contract rent is a continuous variable identifying the median rent in the census tract where the project is located, in the year in which the application for the LIHTC was submitted.

¹² The Commission divides the state into three geographic regions: Seattle/King County, Metro (Clark, Pierce, Snohomish, Spokane, and Whatcom counties), and Non-Metro (all other counties).

- Median housing stock age is a continuous variable identifying the age of the neighborhood housing in the year the application for the LIHTC was submitted. The variable was estimated as the difference between the application year and the median build year.
- Percent below poverty is a continuous variable identifying the percentage of individuals with income below the poverty line in the year the application for LIHTC was submitted.

Exhibit B3: Descriptive statistics of independent variables for the regression models

Descriptive Statistics - Independent Variables	Mean	Median	Standard Deviation	Range	Minimum	Maximum	Count
2009 construction year	0.09	0.00	0.29	1	0	1	241
2010 construction year	0.14	0.00	0.34	1	0	1	241
2011 construction year	0.10	0.00	0.31	1	0	1	241
2012 construction year	0.15	0.00	0.35	1	0	1	241
2013 construction year	0.15	0.00	0.35	1	0	1	241
2014 construction year	0.17	0.00	0.38	1	0	1	241
2015 construction year	0.20	0.00	0.40	1	0	1	241
2016 construction year	0.01	0.00	0.09	1	0	1	241
Nonprofit	0.48	0.00	0.50	1	0	1	241
For-profit	0.23	0.00	0.42	1	0	1	241
Government	0.29	0.00	0.45	1	0	1	241
Vertical integration	0.20	0.00	0.40	1	0	1	241

Descriptive Statistics - Independent Variables	Mean	Median	Standard Deviation	Range	Minimum	Maximum	Count
King County	0.32	0.00	0.47	1	0	1	241
Metro	0.33	0.00	0.47	1	0	1	241
Non-metro	0.35	0.00	0.48	1	0	1	241
New construction	0.65	1.00	0.48	1	0	1	241
Rehabilitation of existing building	0.35	0.00	0.48	1	0	1	241
Bond/4% tax credit	0.49	0.00	0.50	1	0	1	241
9% tax credit program	0.51	1.00	0.50	1	0	1	241
Number of units	87.98	60.00	75.92	439	10	449	241
Avg. beds per unit	1.8	1.7	0.7	3	1	4	241
Residential square feet per unit	963	949	302	2,847	252	3,099	241
4 or more stories	0.3	0.00	0.5	1	0	1	241
Structured parking	0.2	0.00	0.4	1	0	1	241
Homeless units	0.2	0.00	0.4	1	0	1	241
Median contract rent (App. Yr.)	\$980	\$951	\$327	\$1,891	\$195	\$2,086	241
Median housing stock age (App. Yr.)	43.2	42.0	16.6	64	14	78	241
% Individuals below poverty line (App. Yr.)	21.5%	20.3%	11.9%	52.3%	1.0%	53.2%	241

Source: JLARC staff statistical analysis of LIHTC and U.S. Census data.

Results

The model with the most explanatory power used the natural logarithm of total development cost (TDC) per bedroom, excluding reserves and land costs. The adjusted r-squared statistic is 0.765 and represents the amount of variation in the dependent variable that is accounted for by the full regression model. The regression analysis showed the following independent variables had a statistically significant relationship to development cost:

- Nonprofit predicts an average cost increase of 15 percent compared to for-profit developers.
- Government Housing Authority predicts an average cost **increase** of 28 percent compared to for-profit developers.
- King County predicts an average cost increase of 23 percent compared to Non-Metro counties.
- New construction predict an average cost **increase** of 31 percent compared to rehabilitation projects.
- Number of units predicts an average cost **reduction** of 0.1 percent per bedroom for each additional unit. This likely reflects economies of scale for development with more units.
- Average bedrooms per unit predicts an average cost reduction of 31 percent per bedroom for each one-bedroom increase in the average number of bedrooms per unit. This likely reflects economies of scale for developments with more bedrooms per unit.
- Vertical integration predicts an average cost **reduction** of 11 percent compared to developments run by non-vertically integrated developers.
- Median contract rent predicts an average 0.03 percent cost **increase** per bedroom for each \$1 increase in rent.
- Median housing stock age each one-year **increase** in the age of housing stock predicts a 0.4 percent increase in the per bedroom cost.
- Percent individuals below poverty line predicts an average 0.5 percent increase in the per bedroom cost for each percentage-point **increase** in the poverty rate.

Other dependent variables were not statistically significant predictors of total development cost. Full model results are shown in Exhibit B3.

Exhibit B4: Regression model results - inflation-adjusted TDC (minus land & reserves) per bedroom, natural log

Independent Variable	% change	Significance (p=)	% Change Minus Std. Error	% Change Plus Std. Error
2009 construction year	5.2	0.417	-1.2	11.9
2010 construction year	-4.9	0.387	-10.2	0.8
2011 construction year	1.7	0.780	-4.1	7.8
2012 construction year	-2.9	0.589	-8.0	2.5
2013 construction year	-0.1	0.987	-5.2	5.3
2014 construction year	2.3	0.661	-2.8	7.6
2016 construction year	11.22	0.529	-6.1	31.7
Nonprofit	15.4	0.004 **	9.9	21.1
Government	28.4	0.000 ***	21.9	35.3
King County	22.9	0.000 ***	16.7	29.5
Metro	6.5	0.141	2.1	11.2
New construction	30.8	0.000 ***	25.8	36.0
9% tax credit program	3.2	0.489	-1.4	8.0
Number of units	-0.1	0.000 ***	-0.12	-0.07
Avg. beds per unit	-30.8	0.000 ***	-32.8	-28.8
4 or more stories	4.9	0.273	0.4	9.6
Structured parking	3.3	0.538	-2.0	8.8
Vertical integration	-10.6	0.016 *	-14.7	-6.4
Homeless units	3.0	0.513	-1.5	7.7
Median contract rent (App. Yr.)	0.03	0.000 ***	0.02	0.04
Median housing stock age (App. Yr.)	0.4	0.000 ***	0.3	0.5

Independent Variable	%	Significance	% Change Minus	% Change Plus
	change	(p=)	Std. Error	Std. Error
% Individuals below poverty line (App. Yr.)	0.5	0.009 **	0.3	0.6

Adj. R Sqr.	.765
F	36.529
Sig.	.000
N =	241

Note: Yellow highlights denote statistical significance - $^p \le 0.10$, $^*p \le 0.05$, $^{**}p \le 0.01$, $^{***}p \le 0.001$

Source: JLARC staff statistical analysis of LIHTC and U.S. Census data.

Total development cost (excluding land and reserves) per unit

Other studies of LIHTC development costs use the total development cost (TDC) per unit as their dependent variable, including reports by the Government Accountability Office, the National Council of State Housing Agencies (prepared by Abt Associates), Jean Cummings and Denise Di Pasquale (economists who conducted the first major regression analysis on LIHTC development costs for City Research, an urban economics consulting firm, and formerly affiliated with the Joint Center for Housing Studies at Harvard University), and the state of California (prepared by Blue Sky Consulting). In order to compare our findings with this other research, JLARC staff conducted a regression analysis using the TDC per unit. Although there is some variation in model specifications, JLARC staff findings are generally consistent with other research, including the findings regarding developer type, economies of scale, and neighborhood characteristics. The adjusted r-squared statistic indicates that this model specification accounts for 59 percent of the variance in the natural logarithm of the TDC per unit.

Exhibit B5: Regression results - inflation adjusted TDC (excluding land & reserves) per unit, natural log

Independent Variables	% change	Significance	% Change Minus Std. Error	% Change Plus Std. Error
2009 construction year	3.7	0.543	-2.3	10.2
2010 construction year	-4.1	0.459	-9.3	1.5

Independent Variables	% change	Significance	% Change Minus Std. Error	% Change Plus Std. Error
2011 construction year	2.1	0.710	-3.5	8.1
2012 construction year	-3.8	0.470	-8.7	1.5
2013 construction year	2.0	0.699	-3.1	7.3
2014 construction year	5.1	0.317	0.0	10.5
2016 construction year	13.5	0.443	-3.7	33.7
Nonprofit	9.0	0.065 ^	4.1	14.2
Government	26.1	0.000 ***	19.8	32.7
King County	21.5	0.000 ***	15.5	27.8
Metro	0.9	0.825	-3.1	5.1
New construction	29.5	0.000 ***	24.5	34.6
9% tax credit program	0.1	0.975	-4.2	4.7
Number of units	-0.1	0.001 ***	-0.1	-0.1
Residential square feet per unit	0.04	0.000 ***	0.03	0.04
4 or more stories	0.4	0.930	-3.8	4.7
Structured parking	-6.8	0.171	-11.5	-1.9
Vertical integration	-9.6	0.024 **	-13.6	-5.5
Homeless units	4.3	0.349	-0.3	9.0
Median contract rent (App. Yr.)	0.03	0.001 ***	0.02	0.03
Median housing stock age (App. Yr.)	0.3	0.002 **	0.2	0.5
% Individuals below poverty line (App. Yr.)	0.2	0.285	0.01	0.35

Adj. R Sqr.	.587
F	16.535
Sig.	.000
N =	241

Note: Yellow highlights denote statistical significance - $p \le 0.10$, $p \le 0.05$, $p \le 0.01$, $p \le 0.01$, $p \le 0.001$ Source: JLARC staff statistical analysis of LIHTC and U.S. Census data.

Total development cost (less land and reserves) per square foot

JLARC staff also analyzed costs on a square foot basis. Results are similar to the per unit model, but with less explanatory power than the per bedroom model used in the report.

Exhibit B6: Regression results - inflation adjusted TDC (excluding land & reserves) per square foot, natural log

Independent Variables	% change	Significance	% Change Minus Std. Error	% Change Plus Std. Error
2009 construction year	4.8	0.443	-1.4	11.5
2010 construction year	-6.7	0.226	-11.9	-1.2
2011 construction year	2.1	0.722	-3.7	8.2
2012 construction year	-2.0	0.709	-7.1	3.4
2013 construction year	1.5	0.769	-3.6	6.9
2014 construction year	7.4	0.161	2.1	13.0
2016 construction year	16.3	0.366	-1.6	37.5
Nonprofit	7.2	0.144	2.2	12.4
Government	19.2	0.001 ***	13.1	25.5
King County	24.8	0.000 ***	18.5	31.4
Metro	2.3	0.585	-1.9	6.7
New construction	25.2	0.000 ***	20.3	30.2
9% tax credit program	2.5	0.592	-2.1	7.2
Number of units	-0.07	0.005 **	-0.10	-0.05

Independent Variables	% change	Significance	% Change Minus Std. Error	% Change Plus Std. Error
Residential square feet per unit	-0.06	0.000 ***	-0.06	-0.05
4 or more stories	-0.8	0.847	-5.0	3.5
Structured parking	-3.7	0.470	-8.7	1.5
Vertical integration	-13.3	0.002 **	-17.1	-9.3
Homeless units	6.4	0.173	1.7	11.3
Median contract rent (App. Yr.)	0.02	0.006 **	0.01	0.03
Median housing stock age (App. Yr.)	0.4	0.000 ***	0.3	0.5
% Individuals below poverty line (App. Yr.)	0.2	0.205	0.1	0.4

Adj. R Sqr.	.586
F	16.427
Sig.	.000
N =	241

Note: Yellow highlights denote statistical significance - $^p \le 0.10$, $^*p \le 0.05$, $^{**}p \le 0.01$, $^{***}p \le 0.001$ Source: JLARC staff statistical analysis of LIHTC and U.S. Census data.

JLARC staff interpret the regression results to be robust as all three models show similar patterns in the estimated relationships between the independent variables and each respective dependent variable. While the magnitude of the relationships (measured as the percent change) between each independent variable and different measures of the total development cost depends on the model specifications, the overall pattern is consistent using this data.

Appendix C: Applicable Statutes

RCW 39.35D.080, RCW 43.185.050, RCW 43.185.070, RCW 43.185.130, RCW 43.185A.010

Affordable Housing Projects - Exemption

RCW 39.35D.080

Except as provided in this section, affordable housing projects funded out of the state capital budget are exempt from the provisions of this chapter. On or before July 1, 2008, the *department of community, trade, and economic development shall identify, implement, and apply a sustainable building program for affordable housing projects that receive housing trust fund (under chapter 43.185 RCW) funding in a state capital budget. The *department of community, trade, and economic development shall not develop its own sustainable building standard, but shall work with stakeholders to adopt an existing sustainable building standard or criteria appropriate for affordable housing. Any application of the program to affordable housing, including any monitoring to track the performance of either sustainable features or energy standards or both, is the responsibility of the *department of community, trade, and economic development shall report to the department as required under RCW 39.35D.030(3)(b).

[2005 c 12 § 12.]

NOTES:

***Reviser's note:** The "department of community, trade, and economic development" was renamed the "department of commerce" by 2009 c 565.

Use of moneys for loans and grant projects to provide housing—Eligible activities.

RCW 43.185.050

(1) The department must use moneys from the housing trust fund and other legislative appropriations to finance in whole or in part any loans or grant projects that will provide housing for persons and families with special housing needs and with incomes at or below fifty percent of the median family income for the county or standard metropolitan statistical area where the project is located. At least thirty percent of these moneys used in any given funding cycle must be for the benefit of projects located in rural areas of the state as defined by the department. If the department determines that it has not received an adequate number of suitable applications for rural projects during any given funding cycle, the department may allocate unused moneys for projects in nonrural areas of the state.

(2) Activities eligible for assistance from the housing trust fund and other legislative appropriations include, but are not limited to:

(a) New construction, rehabilitation, or acquisition of low and very low-income housing units;

(b) Rent subsidies;

(c) Matching funds for social services directly related to providing housing for special-need tenants in assisted projects;

(d) Technical assistance, design and finance services and consultation, and administrative costs for eligible nonprofit community or neighborhood-based organizations;

(e) Administrative costs for housing assistance groups or organizations when such grant or loan will substantially increase the recipient's access to housing funds other than those available under this chapter;

(f) Shelters and related services for the homeless, including emergency shelters and overnight youth shelters;

(g) Mortgage subsidies, including temporary rental and mortgage payment subsidies to prevent homelessness;

(h) Mortgage insurance guarantee or payments for eligible projects;

(i) Down payment or closing cost assistance for eligible first-time home buyers;

(j) Acquisition of housing units for the purpose of preservation as low-income or very lowincome housing;

(k) Projects making housing more accessible to families with members who have disabilities; and

(I) Remodeling and improvements as required to meet building code, licensing requirements, or legal operations to residential properties owned and operated by an entity eligible under RCW 43.185A.040, which were transferred as described in RCW 82.45.010(3)(t) by the parent of a child with developmental disabilities.

(3) Preference must be given for projects that include an early learning facility.

(4) Legislative appropriations from capital bond proceeds may be used only for the costs of projects authorized under subsection (2)(a), (i), and (j) of this section, and not for the administrative costs of the department.

(5) Moneys from repayment of loans from appropriations from capital bond proceeds may be used for all activities necessary for the proper functioning of the housing assistance program except for activities authorized under subsection (2)(b) and (c) of this section.

(6) Administrative costs associated with application, distribution, and project development activities of the department may not exceed three percent of the annual funds available for the housing assistance program. Reappropriations must not be included in the calculation of the annual funds available for determining the administrative costs.

(7) Administrative costs associated with compliance and monitoring activities of the department may not exceed one-quarter of one percent annually of the contracted amount of state investment in the housing assistance program.

[2018 c 223 § 4; 2017 3rd sp.s. c 12 § 13; 2013 c 145 § 2; 2011 1st sp.s. c 50 § 953; 2006 c 371 § 236. Prior: 2005 c 518 § 1801; 2005 c 219 § 1; 2002 c 294 § 6; 1994 c 160 § 1; 1991 c 356 § 4; 1986 c 298 § 6.]

NOTES:

Findings–2018 c 223: See note following RCW 82.45.010.

Findings-Intent-Effective date-2017 3rd sp.s. c 12: See notes following RCW 43.31.565.

Effective dates—2011 1st sp.s. c 50: See note following RCW 15.76.115.

Effective date-2006 c 371: See note following RCW 27.34.330.

Severability-Effective date-2005 c 518: See notes following RCW 28A.500.030.

Findings–2002 c 294: See note following RCW 36.22.178.

Notice of grant and loan application period—Priorities—Criteria for evaluation.

RCW 43.185.070

(1) During each calendar year in which funds from the housing trust fund or other legislative appropriations are available for use by the department for the housing assistance program, the department must announce to all known interested parties, and through major media throughout the state, a grant and loan application period of at least ninety days' duration.

This announcement must be made as often as the director deems appropriate for proper utilization of resources. The department must then promptly grant as many applications as will utilize available funds less appropriate administrative costs of the department as provided in RCW 43.185.050.

(2) In awarding funds under this chapter, the department must:

(a) Provide for a geographic distribution on a statewide basis; and

(b) Until June 30, 2013, consider the total cost and per-unit cost of each project for which an application is submitted for funding under RCW 43.185.050(2) (a) and (j), as compared to similar housing projects constructed or renovated within the same geographic area.

(3) The department, with advice and input from the affordable housing advisory board established in RCW 43.185B.020, or a subcommittee of the affordable housing advisory board, must report recommendations for awarding funds in a cost-effective manner. The report must include an implementation plan, timeline, and any other items the department identifies as important to consider to the legislature by December 1, 2012.

(4) The department must give first priority to applications for projects and activities which utilize existing privately owned housing stock including privately owned housing stock purchased by nonprofit public development authorities and public housing authorities as created in chapter 35.82 RCW. As used in this subsection, privately owned housing stock includes housing that is acquired by a federal agency through a default on the mortgage by the private owner. Such projects and activities must be evaluated under subsection (5) of this section. Second priority must be given to activities must be evaluated by some or all of the criteria under subsection (5) of this section, and similar projects and activities shall be evaluated under the same criteria.

(5) The department must give preference for applications based on some or all of the criteria under this subsection, and similar projects and activities must be evaluated under the same criteria:

(a) The degree of leveraging of other funds that will occur;

(b) The degree of commitment from programs to provide necessary habilitation and support services for projects focusing on special needs populations;

(c) Recipient contributions to total project costs, including allied contributions from other sources such as professional, craft and trade services, and lender interest rate subsidies;

(d) Local government project contributions in the form of infrastructure improvements, and others;

(e) Projects that encourage ownership, management, and other project-related responsibility opportunities;

(f) Projects that demonstrate a strong probability of serving the original target group or income level for a period of at least twenty-five years;

(g) The applicant has the demonstrated ability, stability and resources to implement the project;

(h) Projects which demonstrate serving the greatest need;

(i) Projects that provide housing for persons and families with the lowest incomes;

(j) Projects serving special needs populations which are under statutory mandate to develop community housing;

(k) Project location and access to employment centers in the region or area;

(I) Projects that provide employment and training opportunities for disadvantaged youth under a youthbuild or youthbuild-type program as defined in RCW 50.72.020;

(m) Project location and access to available public transportation services; and

(n) Projects involving collaborative partnerships between local school districts and either public housing authorities or nonprofit housing providers, that help children of low-income families succeed in school. To receive this preference, the local school district must provide an opportunity for community members to offer input on the proposed project at the first scheduled school board meeting following submission of the grant application to the department.

(6) The department may only approve applications for projects for persons with mental illness that are consistent with a behavioral health organization six-year capital and operating plan.

[2015 c 155 § 2; (2015 c 155 § 1 expired April 1, 2016); 2014 c 225 § 62; 2013 c 145 § 3; 2012 c 235 § 1. Prior: 2005 c 518 § 1802; 2005 c 219 § 2; 1994 sp.s. c 3 § 9; prior: 1991 c 356 § 5; 1991 c 295 § 2; 1988 c 286 § 1; 1986 c 298 § 8.]

NOTES:

Effective date—2015 c 155 § 2: "Section 2 of this act takes effect April 1, 2016." [2015 c 155 § 4.]

Expiration date—2015 c 155 § 1: "Section 1 of this act expires April 1, 2016." [2015 c 155 § 3.]

Effective date-2014 c 225: See note following RCW 71.24.016.

Severability-Effective date-2005 c 518: See notes following RCW 28A.500.030.

Application process—Distribution procedure.

RCW 43.185.130

The application process and distribution procedure for the allocation of funds are the same as the competitive application process and distribution procedure for the housing trust fund, described in this chapter and chapter 43.185A RCW, except for the funds applied to the *homeless families services fund created in RCW 43.330.167, dollars appropriated to weatherization administered through the energy matchmaker program, dollars appropriated for housing vouchers for homeless persons, victims of domestic violence, and low-income persons or seasonal farmworkers, and dollars appropriated to any program to provide financial assistance for grower-provided on-farm housing for low-income migrant or seasonal farmworkers.

[2006 c 349 § 3.]

NOTES:

*Reviser's note: The "homeless families services fund" was renamed the "Washington youth and families fund" by 2015 c 69 § 24.

Finding—2006 c 349: "The legislature finds that Washington is experiencing an affordable housing crisis and that this crisis is growing exponentially every year as the population of the state expands and housing values increase at a rate that far exceeds most households' proportionate increase in income.

The fiscal and societal costs of the lack of adequate affordable housing are high for both the public and private sectors. Current levels of funding for affordable housing programs are inadequate to meet the housing needs of many low-income Washington households." [2006 c 349 § 1.]

Affordable Housing Program

RCW 43.185A.010

Definitions.

Unless the context clearly requires otherwise, the definitions in this section apply throughout this chapter.

(1) "Affordable housing" means residential housing for rental occupancy which, as long as the same is occupied by low-income households, requires payment of monthly housing costs, including utilities other than telephone, of no more than thirty percent of the family's income. The department must adopt policies for residential homeownership housing, occupied by low-income households, which specify the percentage of family income that may be spent on monthly housing costs, including utilities other than telephone, to qualify as affordable housing.

(2) "Contracted amount" has the same meaning as provided in RCW 43.185.020.

(3) "Department" means the department of commerce.

(4) "Director" means the director of the department of commerce.

(5) "First-time home buyer" means an individual or his or her spouse or domestic partner who have not owned a home during the three-year period prior to purchase of a home.

(6) "Low-income household" means a single person, family or unrelated persons living together whose adjusted income is less than eighty percent of the median family income, adjusted for household size, for the county where the project is located.[2013 c 145 § 4; 2009 c 565 § 38; 2008 c 6 § 301; 2000 c 255 § 9; 1995 c 399 § 102; 1991 c 356 § 10.]

NOTES:

Part headings not law-Severability-2008 c 6: See RCW 26.60.900 and 26.60.901.

Effective date-2000 c 255: See RCW 59.28.902.

RECOMMENDATIONS & AGENCY RESPONSE Legislative Auditor Recommendation

The Legislative Auditor makes 3 recommendations to improve cost efficiency, controls, and monitoring

Recommendation #1: The Commission should identify and evaluate options for increasing the involvement of for-profit developers in the 9% tax credit program and report their findings to the Legislature.

There are a variety of options the Commission could evaluate for increasing the involvement of for-profit developers in the 9% tax credit program. The Commission currently engages for-profit developers in the bond/4% tax credit program and there may be lessons learned from this experience that can apply to the 9% tax credit program.

Legislation Required:	None
Fiscal Impact:	JLARC staff assume the Commission can identify and evaluate options within existing resources
Implementation Date:	January 2020
Agency Response:	To be included with Proposed Final Report

Recommendation #2: Commerce should collect final development cost data from Housing Trust Fund recipients to improve cost controls.

Commerce should implement procedures to collect final development cost data. Commerce may coordinate with other public funders to receive copies of certified final development costs. It should use this data to implement its 2012 recommendation to document and

monitor development cost data over time. It should also use this data to inform their cost containment policy.

Legislation Required:	None
Fiscal Impact:	JLARC staff assume Commerce can implement data collection procedures within existing resources
Implementation Date:	July 1, 2019
Agency Response:	To be included with Proposed Final Report

Recommendation #3: Commerce and the Commission should report development cost data to the Legislature annually.

Data should include the total development cost per unit for each project, descriptive statistics (such as average and median per unit costs), regional cost variation, and other cost data that agencies deem necessary to improve cost controls and enhance the Legislature's understanding of development costs. Commerce and the Commission should coordinate to identify relevant development cost data and ensure that measures are consistent across the agencies. The costs should be published in a format that allows the Legislature and the agencies to track development costs over time.

Legislation Required:	None
Fiscal Impact:	JLARC staff assume Commerce and the Commission can report cost data within existing resources
Implementation Date:	December 2019
Agency Response:	To be included with Proposed Final Report

Agency Response

Agency response(s) will be included in the proposed final report, planned for January 2019.

MORE ABOUT THIS REVIEW Audit Authority

The Joint Legislative Audit and Review Committee (JLARC) works to make state government operations more efficient and effective. The Committee is comprised of an equal number of House members and Senators, Democrats and Republicans.

JLARC's non-partisan staff auditors, under the direction of the Legislative Auditor, conduct performance audits, program evaluations, sunset reviews, and other analyses assigned by the Legislature and the Committee.

The statutory authority for JLARC, established in <u>Chapter 44.28 RCW</u>, requires the Legislative Auditor to ensure that JLARC studies are conducted in accordance with Generally Accepted Government Auditing Standards, as applicable to the scope of the audit. This study was conducted in accordance with those applicable standards. Those standards require auditors to plan and perform audits to obtain sufficient, appropriate evidence to provide a reasonable basis for findings and conclusions based on the audit objectives. The evidence obtained for this JLARC report provides a reasonable basis for the enclosed findings and conclusions, and any exceptions to the application of audit standards have been explicitly disclosed in the body of this report.

Study Questions

Study to compare costs of developing subsidized low-income housing and market-rate housing

In 2017, the Legislature directed the Joint Legislative Audit and Review Committee (JLARC) to compare the costs of developing subsidized low-income housing to the costs of developing market-rate housing. The comparison may include costs such as land acquisition, design, construction, financing, and maintenance and operations.

State-managed subsidies include grants, loans, and federal tax credits

The Department of Commerce and the Washington State Housing Finance Commission manage two key programs that subsidize low-income housing development. Together, the programs have funded over 21,000 units since 2010.

- Housing Trust Fund (Commerce): Provides grants and loans, primarily with state funds.
- Low-Income Housing Tax Credit (Commission): Provides federally funded tax credits.

Low-income housing developers include for-profit businesses, nonprofit organizations, local housing authorities, and tribal housing entities. Projects typically involve multifamily housing.

Study will focus on development costs for multifamily housing and address three questions

- 1. What types of data and analysis could be used to compare development costs of subsidized low-income housing and market-rate housing?
- 2. How do development costs compare between different developers of subsidized low-income housing projects?
- 3. What are the major cost drivers for subsidized low-income housing development? What cost controls does the state implement and are there additional measures that could be exercised?

The study will not address subsidies for rental payments or subsidies that are not administered by state agencies.

Study Timeframe

Staff will present the preliminary report in December 2018 and the final report in January 2019.

Methodology

The methodology JLARC staff use when conducting analyses is tailored to the scope of each study, but generally includes the following:

- **Interviews** with stakeholders, agency representatives, and other relevant organizations or individuals.
- Site visits to entities that are under review.
- **Document reviews**, including applicable laws and regulations, agency policies and procedures pertaining to study objectives, and published reports, audits or studies on relevant topics.
- Data analysis, which may include data collected by agencies and/or data compiled by JLARC staff. Data collection sometimes involves surveys or focus groups.
- **Consultation with experts** when warranted. JLARC staff consult with technical experts when necessary to plan our work, to obtain specialized analysis from experts in the field, and to verify results.

The methods used in this study were conducted in accordance with Generally Accepted Government Auditing Standards.

More details about specific methods related to individual study objectives are described in the body of the report under the report details tab or in technical appendices.

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