

**Exhibit “B” to Planning Commission Resolution No. 2022-382
City of Newberg Economic Opportunities Analysis (March 2021)**

DRAFT

City of Newberg Economic Opportunities Analysis

March 2021

Prepared for:
City of Newberg

Final Report

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Acknowledgments

ECONorthwest prepared this report for the City of Newberg. ECONorthwest and the City thank the many people who helped to develop the Newberg Economic Opportunities Analysis. This project is funded by Oregon General Fund dollars through the Department of Land Conservation and Development. The contents of this document do not necessarily reflect the views or policies of the State of Oregon.

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Executive Summary

This report presents an economic opportunities analysis consistent with the requirements of Statewide Planning Goal 9 and the Goal 9 Administrative Rule (OAR 660-009). Goal 9 describes the EOA as

“an analysis of the community's economic patterns, potentialities, strengths, and deficiencies as they relate to state and national trends” and states that “a principal determinant in planning for major industrial and commercial developments should be the competitive advantage of the region within which the developments would be located.”

The primary goals of the EOA are to (1) project the amount of land needed to accommodate the future employment growth within the Newberg Urban Growth Boundary (UGB) between 2021 and 2041, (2) evaluate the existing employment land supply within the city to determine if it is adequate to meet that need, and (3) to fulfill state planning requirements for a twenty-year supply of employment land.

How much buildable employment land does Newberg currently have?

Newberg has 971 total acres in its commercial or industrial plan designations. Of these 971 acres, about 233 acres (24%) are unconstrained and buildable within its UGB. Of Newberg's buildable acres, 104 (45%) are designated for commercial uses and 129 (55%) are designated for industrial uses.

How much growth is Newberg planning for?

Goal 9 requires that cities provide for an adequate supply of commercial and industrial sites consistent with plan policies. To meet this requirement, Newberg needs an estimate of the amount of commercial and industrial land that will be needed over the 2021 to 2041 planning period.

Newberg's employment base is 14,034 employees in 2021. Newberg is forecast to have 18,486 employees by 2041. This is an increase of 4,452 jobs over the planning period.

How much land will be required for employment?

The forecast for land needed to accommodate employment growth in Newberg shows that the growth of 1,919 new commercial (retail and office) employees will result in demand for about 83 gross acres of commercial employment lands. The growth of 2,407 new industrial employees will result in a demand for 131 industrial sites with a range of site size needs.

Does Newberg have enough land to accommodate employment growth?

Newberg has sufficient land to accommodate demand for commercial employment in the Newberg UGB, but it does not have sufficient land to accommodate demand for industrial employment.

Based on land demand, Newberg is forecast to have a 21-gross-acre surplus of commercial land and a 152-gross-acre deficit of industrial land (on 96 sites).

What are the conclusions of the EOA?

- **Newberg is forecast for growth in both the commercial and industrial employment sectors.** Newberg is planning for growth of 4,452 new jobs in the city over the 2021 to 2041 period. About 2,407 of the jobs will be industrial, 1,799 of the jobs will be in office and commercial services, and 120 in retail. Growth of these jobs will result in demand for about 83 gross acres of commercial land and 131 new sites for industrial uses.
- **Newberg has a surplus of commercially designated land of 21 acres.** Exhibit 32 shows that Newberg has enough land for commercial employment growth over the next 20 years, with a surplus of 21 acres. Commercial uses include services for residents and visitors (e.g., retail) as well as office services. This surplus includes commercial land in the Springbrook and Riverfront Districts, which are located in different parts of Newberg. This ensures that commercial development will be distributed throughout the city, providing reasonable access to services for residents and visitors.
- **Newberg has a deficit of land for industrial uses across all site sizes.** Newberg has a deficit of 96 sites or 152 acres of land for industrial uses. This need covers a range of site sizes from less than 5 acres to 50 acres. The majority of sites need at the less than 5-acre size, but the range of site sizes is key to diversifying Newberg's economy and aligning with the city's potential growth industries.
- **Newberg will need an additional 2.9 acres of commercial land and 12.3 acres of industrial land for public and semipublic uses.** The Newberg Public and Semi-Public Land Needs memorandum concludes that Newberg will need commercial and industrial land to accommodate public and semipublic uses over the 20-year period.
- **Newberg's wages are comparable to the regional average.** Newberg's average wage of \$43,480 is slightly higher than the average of \$43,299 for Yamhill County. Newberg's potential growth industries generally have above-average wages, except for some types of food or agricultural product industries, such as wineries or vineyards, which also tend to hire seasonally.
- **Newberg will need to address key infrastructure needs in the Riverfront District.** While water and wastewater connections will be relatively easy for eventual developers to access, the Riverfront Master Plan identifies potential challenges with connecting a road along the bluff area. This would require geotechnical studies that may present cost barriers for potential developers of the area.

- **Newberg’s lack of industrial land presents barriers for business retention, expansion, and recruitment.** Since 2014, the City has documented recruitment and retention of businesses looking to stay or locate in Newberg. A key issue businesses have cited is the lack of available or suitable greenfield sites. This has led to recent relocation of existing Newberg businesses, as well as lack of new businesses choosing to locate in Newberg. Businesses are attracted to Newberg because of the access to a skilled workforce and quality of life, but the lack of suitable sites remains a key issue for many of these businesses.

What are the key recommendations?

In short, the City should continue to implement the *Newberg Economic Development Strategy* to continue to support the type of industrial and commercial growth described in the EOA.

Additional recommendations as a result of the EOA are listed below:

- The City has actively worked on implementing recent plans that in part address issues related to commercial and industrial land, including the *Newberg Economic Development Strategy*, *Newberg Downtown Improvement Plan*, *A NewBERG Community Vision*, and *Riverfront Master Plan*. This EOA implements the *Newberg Economic Development Strategy* by supporting the goals in the *Strategy*, such as identifying the need for land to support retention and expansion of businesses (item 1.2 in the *Strategy*), coordinating recruitment of traded-sector companies with partners such as SEDCOR and Business Oregon (item 1.3 in the *Strategy*), conducting analyses that support commercial development opportunities (item 2.1 and 2.2 in the *Strategy*), and providing other analyses and recommendations that implement the *Strategy*.

The redevelopment plans that are proceeding on the WestRock Mill site show that the City’s *Economic Development Strategy* and broader redevelopment plans are being implemented. Implementing the *Riverfront Master Plan* and using of Urban Renewal, as well as using the City’s Enterprise Zone and the Opportunity Zone at the WestRock Mill site, have all resulted in plans for the redevelopment and implementation of these plans.

- Newberg should develop a policy that supports preservation of prime industrial land for sites over 10 acres in size. The City may consider identifying prime industrial sites using the following criteria: sites larger than 10 acres, sites with direct access to a highway or major arterial road, sites with existing investments in infrastructure needed by industrial uses, and sites surrounded by properties that are planned for industrial uses.
- The City should consider using incentives to support economic development. These incentives could include creating an economic or business district, developing a downtown partnership, developing a parking management plan in key commercial areas, supporting land assembly, reducing costs of development via regulatory streamlining, using SDC “deferrals” or changing how SDCs are assessed, using New Market Tax Credits and EB-5 Investment programs to support business growth, and supporting growth of particular industries (such as tourism and hospitality).

- The City should address the deficit of industrial land identified in the EOA, for 152 acres of land on about 96 sites. Given the limited amount of vacant land within Newberg’s existing UGB, the City has few opportunities to accommodate expected growth within the UGB. The best opportunity, redevelopment of the WestRock Mill site, as well as the other sites shown in Exhibit 30, are the City’s primary opportunities to increase land use efficiency within the existing UGB. The City should consider opportunities for the expansion of the UGB to accommodate industrial land needs.

1. Introduction

This report presents an Economic Opportunities Analysis (EOA) for the City of Newberg. The EOA includes technical analysis to address a range of questions that Newberg faces in managing its commercial and industrial land. The EOA includes an employment forecast that describes how much growth Newberg should plan for over the 2021 to 2041 period and identifies the amount and type of employment land necessary to accommodate growth in Newberg over that period. The EOA also includes an inventory of commercial and industrial land within Newberg's urban growth boundary (UGB) to provide information about the amount of land available to accommodate employment growth. This EOA complies with the requirements of Statewide Planning Goal 9, the Goal 9 Administrative Rules (OAR 660 Division 9), and the court decisions that have interpreted them.

The City of Newberg last completed an EOA in 2010, based on the 2000 Census data. Substantial changes have occurred in the national and regional economy since 2010 that have implications for economic growth in Newberg, such as the recovery from the Great Recession, the impacts of the COVID-19 recession, and changes in the retail and manufacturing sectors.

In 2019, Newberg completed a community visioning process, which resulted in the *NewBERG Community Profile, Community Vision, and Action Plan*. Part of this community visioning process included goals and objectives related to economic development and the *Newberg Economic Development Strategy*, which was updated in 2019. The City is also in the process of implementing the *Riverfront Master Plan*, which includes updating the comprehensive plan designations in the Riverfront area that includes the former Westrock Mill site. Information from these plans is incorporated into the EOA.

The purpose of the EOA was to develop a factual basis to provide the City with information about current economic conditions. This report identifies opportunities to meet the City's economic development objectives and policies identified in the *A NewBERG Community Vision, and Action Plan*, in addition to developing comprehensive plan policies and implementation strategies necessary to implement the EOA.

The EOA also provides information essential to addressing the City's challenges in managing economic development, such as a lack of industrial sites to support growth of businesses that require large sites, underutilized commercial land, underutilized industrial land, and a lack of policy direction to address these issues.

The EOA draws on information from numerous data sources, such as the Oregon Employment Department, US Bureau of Economic Analysis, US Bureau of Labor Statistics, and the US Census. The EOA also uses information from the following reports:

- *Newberg Economic Development Strategy* (2016, updated in 2019)
- *Newberg Riverfront Master Plan* (2019)

- *A NewBERG Community Profile, Community Vision, and Action Plan* (2019)
- *Mid-Willamette Valley Regional Comprehensive Economic Development Strategy* (2018)

Framework for an Economic Opportunities Analysis

The content of this report is designed to meet the requirements of Oregon Statewide Planning Goal 9 and the administrative rule that implements Goal 9 (OAR 660-009). The analysis in this report is designed to conform to the requirements for an Economic Opportunities Analysis in OAR 660-009 as amended.

1. *Economic Opportunities Analysis (OAR 660-009-0015)*. The Economic Opportunities Analysis (EOA) requires communities to identify the major categories of industrial or other employment uses that could reasonably be expected to locate or expand in the planning area based on information about national, state, regional, county, or local trends; to identify the number of sites by type reasonably expected to be needed to accommodate projected employment growth based on the site characteristics typical of expected uses; to include an inventory of vacant and developed lands within the planning area designated for industrial or other employment use; and to estimate the types and amounts of industrial and other employment uses likely to occur in the planning area. Local governments are also encouraged to assess community economic development potential through a visioning or some other public input-based process in conjunction with state agencies.
2. *Industrial and commercial development policies (OAR 660-009-0020)*. Cities are required to develop commercial and industrial development policies based on the EOA. Local comprehensive plans must state the overall objectives for economic development in the planning area and identify categories or particular types of industrial and other employment uses desired by the community. Local comprehensive plans must also include policies that commit the city or county to designate an adequate number of employment sites of suitable sizes, types, and locations. The plan must also include policies to provide necessary public facilities and transportation facilities for the planning area.
3. *Designation of lands for industrial and commercial uses (OAR 660-009-0025)*. Cities and counties must adopt measures to implement policies adopted pursuant to OAR 660-009-0020. Appropriate implementation measures include amendments to plan and zone map designations, land use regulations, public facility plans, and transportation system plans. More specifically, plans must identify the approximate number, acreage, and characteristics of sites needed to accommodate industrial and other employment uses to implement plan policies and must designate serviceable land suitable to meet identified site needs.

Organization of This Report

This report is organized as follows:

- **Chapter 2. Factors Affecting Future Economic Growth** summarizes historic economic trends that affect current and future economic conditions in Newberg, as well as Newberg's competitive advantages for economic development.
- **Chapter 3. Employment Growth and Site Needs** presents a forecast for employment growth in Newberg and describes potential growth industries and site needs for potential growth in industries.
- **Chapter 4. Buildable Lands Inventory** presents a summary of the inventory of employment lands.
- **Chapter 5. Land Sufficiency and Conclusions** compares the supply of and demand for buildable lands and presents key concluding recommendations for Newberg.

This report also includes two appendices:

- Appendix A. National, State, and Regional and Local Trends
- Appendix B. Buildable Lands Inventory Methodology

2. Factors Affecting Future Economic Growth

Newberg exists as part of the economy of the Mid-Willamette Valley region and is the second-largest city in Yamhill County. Its proximity to the Portland region, as well as Salem and the agricultural industries in Yamhill County, provides opportunities for the city's residents and access to a larger labor pool for employers. The focus of Newberg's economy includes several types of manufacturing, health-care, and service-sector industries focused on agriculture and wine tourism. The city's location in the Willamette Valley makes Newberg a popular destination for tourism in the area's wine country. The quality of life and available amenities also attract people to live and work in Newberg.

This chapter describes the factors affecting economic growth in Newberg within the context of national and regional economic trends. The analysis presents the City's competitive advantages for growing and attracting businesses, which forms the basis for identifying potential growth industries in Newberg.

Factors that Affect Economic Development¹

The fundamental purpose of Goal 9 is to make sure that a local government plans for economic development. The planning literature provides many definitions of economic development, both broad and narrow. Broadly,

"Economic development is the process of improving a community's well-being through job creation, business growth, and income growth (factors that are typical and reasonable focus of economic development policy), as well as through improvements to the wider social and natural environment that strengthen the economy."²

That definition acknowledges that a community's well-being depends in part on narrower measures of economic well-being (e.g., jobs and income) and on other aspects of quality of life (e.g., the social and natural environment). In practice, cities and regions trying to prepare an economic development strategy typically use a narrower definition of economic development; they take it to mean business development, job growth, and job opportunity. The assumptions are that:

- Business and job growth are contributors to and consistent with economic development, increased income, and increased economic welfare. From the municipal point of view,

¹ The information in this section is based on previous Goal 9 studies conducted by ECONorthwest and the following publication: *An Economic Development Toolbox: Strategies and Methods*, Terry Moore, Stuart Meck, and James Ebenhoh, American Planning Association, Planning Advisory Service Report Number 541, October 2006.

² *An Economic Development Toolbox: Strategies and Methods*, Terry Moore, Stuart Meck, and James Ebenhoh, American Planning Association, Planning Advisory Service Report Number 541, October 2006.

investment and resulting increases in property tax are important outcomes of economic development.

- The evaluation of trade-offs and balancing of policies to decide whether such growth is likely to lead to overall gains in well-being (on average and across all citizens and businesses in a jurisdiction, and all aspects of well-being) is something that decision makers do after an economic strategy has been presented to them for consideration.

That logic is consistent with the tenet of the Oregon land use planning program: all goals matter, no goal dominates, and the challenge is to find a balance of conservation and development that is acceptable to a local government and the State. Goal 9 does not dominate, but it legitimizes and requires that a local government focus on the narrower view of economic development regarding economic variables.

In that context, a major part of local economic development policy is about local support for business development and job growth; that growth comes from the creation of new firms, the expansion of existing firms, and the relocation or retention of existing firms. Specifically, new, small businesses are accounting for a larger share of the job growth in the United States.³ This shift toward a focus on entrepreneurship, innovation, and small businesses presents additional options for local support for economic development beyond firm attraction and retention. Thus, the key questions for economic development policy are, *What are the factors that influence business and job growth, and what is the relative importance of each?* This document addresses that question in depth.

What factors matter?

Why do firms locate where they do? There is no single answer—different firms choose their locations for different reasons. Key determinants of a location decision are a firm's *factors of production*. For example, a firm that spends a large portion of total costs on unskilled labor will be drawn to locations where labor is relatively inexpensive. A firm with large energy demands will give more weight to locations where energy is relatively inexpensive. In general, firms choose locations they believe will allow them to maximize net revenues: if demand for goods and services are held roughly constant, then revenue maximization is approximated by cost minimization.

The typical categories that economists use to describe a firm's production function are:

- **Labor.** Labor is often the most important factor of production. Other things equal, firms look at productivity—labor output per dollar. Productivity can decrease if certain types of labor are in short supply, which increases the costs by requiring either more pay to

³ According to the 2018 Small Business Profile from the US Small Business Office of Advocacy, small businesses account for over 99 percent of total businesses in the United States, and their employees account for nearly 50 percent of American workers. <https://www.sba.gov/sites/default/files/advocacy/2018-Small-Business-Profiles-US.pdf>

acquire the labor that is available, the recruiting of labor from other areas, or the use of the less productive labor that is available locally.

- **Land.** Demand for land depends on the type of firm. Manufacturing firms need more space and tend to prefer suburban locations where land is relatively less expensive and less difficult to develop. Warehousing and distribution firms need to locate close to interstate highways.
- **Local infrastructure.** An important role of government is to increase economic capacity by improving quality and efficiency of infrastructure and facilities, such as roads, bridges, water and sewer systems, airport and cargo facilities, energy systems, and telecommunications.
- **Access to markets.** Though part of infrastructure, transportation merits special attention. Firms need to move their product, either goods or services, to the market, and they rely on access to different modes of transportation to do this.
- **Materials.** Firms producing goods, and even firms producing services, need various materials to develop products that they can sell. Some firms need natural resources (i.e., raw lumber) and others may need intermediate materials (i.e., dimensioned lumber).
- **Entrepreneurship.** This input to production may be thought of as good management, or even more broadly as a spirit of innovation, optimism, and ambition that distinguishes one firm from another even though most of their other factor inputs may be quite similar. Entrepreneurial activity, even when unsuccessful, can offer information about the local market that other entrepreneurs can use in starting a new firm. Entrepreneurs are typically willing to take on more risk in uncertain markets, and a strengthened entrepreneurial environment can help to reduce that risk and uncertainty.⁴ Entrepreneurs also tend to have more mobility than larger firms and are more likely to locate in areas with a strong entrepreneurial environment.⁵ To some degree, local governments can promote the high quality of life in an area to attract entrepreneurs, in addition to adopting regulations with minimal barriers—or at least, clear guidelines—for new small businesses.

⁴ Tessa Conroy and Stephan Weiler “Local and Social: Entrepreneurs, Information Network Effects, and Economic Growth” (2017). https://redi.colostate.edu/wp-content/uploads/sites/50/2017/05/gender_gia_Jun2017-2.pdf

⁵ Emil E. Malizia and Edward J. Feser. *Understanding Local Economic Development*. (1999).

The supply, cost, and quality of any of these factors depend on market factors: on conditions of supply and demand locally, nationally, and even globally. But they also depend on public policy. In general, public policy can affect these factors of production through:

- **Regulation.** Regulations protect the health and safety of a community and help maintain quality of life. Overly burdensome regulations, however, can be disincentives for businesses to locate in a community. Simplified bureaucracies and straightforward regulations can reduce the burden on businesses and help them react quickly in a competitive marketplace.
- **Taxes.** Firms tend to seek locations where they can optimize their after-tax profits. Tax rates are not a primary location factor—they matter only after businesses have made decisions based on labor, transportation, raw materials, and capital costs. The costs of these production factors are usually similar within a region. Therefore, differences in tax levels across communities within a region are more important in the location decision than are differences in tax levels between regions.
- **Financial incentives.** Governments can offer firms incentives to encourage growth. Most types of financial incentives have had little significant effect on firm location between regions. For manufacturing industries with significant equipment costs, however, property or investment tax credit or abatement incentives can play a significant role in location decisions. Incentives are more effective at redirecting growth within a region than they are at providing a competitive advantage between regions.

This discussion may make it appear that a location decision is based entirely on a straightforward accounting of costs, with the best location being the one with the lowest level of overall costs. Studies of economic development, however, have shown that location decisions depend on a variety of other factors that indirectly affect costs of production. These indirect factors include agglomerative economies (also known as industry clusters), quality of life, and innovative capacity.

- **Industry clusters.** Firms with similar business activities can realize operational savings when they congregate in a single location or region. Clustering can reduce costs by creating economies of scale for suppliers. For this reason, firms tend to locate in areas where there is already a presence of other firms engaged in similar or related activities.
- **Quality of life.** A community that features many quality amenities, such as access to recreational opportunities, culture, low crime, good schools, affordable housing, and a clean environment can attract people simply because it is a nice place to be. A region's quality of life can attract skilled workers, and if the amenities lure enough potential workers to the region, the excess labor supply pushes their wages down so that firms in the region can find skilled labor for a relatively low cost. The characteristics of local communities can affect the distribution of economic development within a region, with different communities appealing to different types of workers and business owners. Sometimes location decisions by business owners are based on an emotional or historical

attachment to a place or set of amenities, without much regard for the cost of other factors of production.

- **Innovative capacity.** Increasing evidence suggests that a culture promoting innovation, creativity, flexibility, and adaptability is essential to keeping US cities economically vital and internationally competitive. Innovation is particularly important in industries that require an educated workforce. High-tech companies need to have access to new ideas typically associated with a university or research institute. In addition to innovations in research and development within firms or research institutions, firms may also draw on the innovative capacity of entrepreneurs in an area. These entrepreneurs may be former employees of the larger firm or businesses that relocated to an area because of the proximity to an industry cluster. Strong networks and communication between firms, research institutions, and entrepreneurs are key components to leveraging innovative capacity in an area.⁶ Local governments are well-equipped to help foster these networks through supporting economic development tools such as small business assistance centers or incubation centers. Government can also be a key part of a community's innovative culture, through the provision of services and regulation of development and business activities that are responsive to the changing needs of business.

How important are these factors?

To understand how changes in public policies affect local job growth, economists have attempted to identify the importance for firms with different locational factors. They have used statistical models, surveys, and case studies to examine detailed data on the key factors that influence the business location decision.

Economic theory says that firms locate where they can reduce the costs of their factors of production (assuming demand for products and any other factors are held constant). Firms locate in regions where they have access to inputs that meet their quality standards at a relatively low cost. Because firms are different, the relative importance of different factors of production varies both across industries and, even more importantly, across firms.

No empirical analysis can completely quantify firm location factors because numerous methodological problems make any analysis difficult. For example, some would argue simplistically that firms would prefer locating to a region with a low tax rate to reduce tax expenses. However, the real issue is the value provided by the community for the taxes collected. Because taxes fund public infrastructure that firms need, such as roads, water, and sewer systems, regions with low tax rates may end up with poor infrastructure, making it less attractive to firms. When competing jurisdictions have roughly comparable public services (type, cost, and quality) and quality of life, then tax rates (and tax breaks) can make a difference.

Further complicating any analysis is the fact that many researchers have used public expenditures as a proxy for infrastructure quality. But large expenditures on roads do not

⁶ Nancey Green Leigh and Edward Blakely. *Planning Local Economic Development: Theory and Practice*. 2013.

necessarily equal a quality road system. It is possible that the money has been spent ineffectively and the road system is in poor condition.

An important aspect of this discussion is that the business function at a location matters more than a firm's industry. A single company may have offices spread across cities, with headquarters located in a cosmopolitan metropolitan area, research and development divisions located near a concentration of universities, back offices located in a suburb, and manufacturing and distribution located in areas with cheap land and good interstate access.

The location decisions of businesses are primarily based on the availability and cost of labor, transportation, raw materials, and capital. The availability and cost of these production factors are usually similar within a region. Most economic development strategies available to local governments, however, only indirectly affect the cost of these primary location factors. Local governments can most easily affect tax rates, public services, and regulatory policies. Economists generally agree that these factors do affect economic development, but the effects on economic development are modest. Thus, most of the strategies available to local governments have only a modest effect on the level and type of economic development in the community.

Local governments can provide support for new and existing small businesses through policies and programs that support entrepreneurship and innovation. The National League of Cities suggests strategies for local governments, including strong leadership from elected officials; better communication with entrepreneurs, especially about the regulatory environment for businesses in the community; and partnerships with colleges, universities, small business development centers, mentorship programs, community groups, businesses groups, and financial institutions.⁷

Local governments in Oregon also play a central role in the provision of buildable land through inclusion of lands in the Urban Growth Boundary, as well as through determination of plan designations and zoning, and through provision of public services. Obviously, businesses need buildable land to locate or expand in a community. Providing buildable land alone is not sufficient to guarantee economic development in a community—market conditions must create demand for this land, and local factors of production must be favorable for business activity. In the context of expected economic growth and the perception of a constrained land supply in Newberg, the provision of buildable land has the potential to strongly influence the level and type of economic development in the city. The provision of buildable land is one of the most direct ways that Newberg can affect the level and type of economic development in the community.

⁷ National League of Cities "Supporting Entrepreneurs and Small Businesses" (2012).
<https://www.nlc.org/supporting-entrepreneurs-and-small-business>

Summary of the Effect of National, State, and Regional Trends on Economic Development in Newberg

This section presents a summary and the implications of national, state, and regional economic trends on economic growth in Newberg, which are presented in detail in Appendix A. As of August 2020, several counties across Oregon continue with the process of reopening from the stay-at-home orders associated with the COVID-19 pandemic. While it is difficult to predict the long-term implications of the pandemic at this point, it is certain that the COVID-19 pandemic will disrupt the economy in Newberg and the entire state over the next month and longer. This section focuses on long-term trends that are likely to affect economic growth in Newberg over the 20-year planning period. It considers some near-term impacts of the COVID-19 pandemic but focused on long-term trends.

- **County and local employment growth.** Employment increased in Yamhill County since 2008, with a gain of about 3,874 employees between 2008 and 2018. The largest increases were in education and health services and leisure and hospitality. Newberg accounted for about 27% of employment in Yamhill County in 2018. Employment in Newberg increased between 2008 and 2018 by about 837 employees or 9%.
- **Increases in regional economic diversity.** Within the Mid-Willamette Valley region (which includes Marion, Polk, and Yamhill Counties), industries have transitioned away from the traditional natural resource extraction-based economy to a more diverse economic base, which includes value-add agricultural products, metals and machinery, specialty product manufacturing, and professional and technical services.⁸ The increasing diversity of regional economic development provides opportunities for the development of new businesses in Newberg, as clusters of similar businesses continue to locate in the Mid-Willamette Valley region.
- **Changes in manufacturing and concentration of manufacturing in Oregon.** Newberg's location in the Willamette Valley, as well as its access to highways and a skilled workforce, presents opportunities for growth in manufacturing businesses. In 2018, manufacturing accounted for about 22% of Newberg's total covered employment and had an average wage of \$59,194, higher than the city's average wage of \$43,480.

Between 2008 and 2018, the manufacturing sector in Newberg decreased from 2,475 to 2,085 employees, a decrease of 390 employees. Statewide, manufacturing employment remained relatively constant, decreasing by about 212 employees (or -0.01%) during the same time period. The largest decreases in manufacturing employment were in wood product, paper product, and transportation equipment manufacturing, while Oregon employment in industries such as food and beverage and machinery manufacturing

⁸ Mid-Willamette Valley Regional Comprehensive Economic Development Strategy (CEDS). Mid-Willamette Valley Community Development Partnership Board. June 2018.

increased. These growing industries in Oregon align with Newberg’s target industries defined in Chapter 3.

Major reasons for the decrease in manufacturing employment in Newberg were closure of the WestRock paper mill in 2016 and the closure of the Suntron electronics plant in 2009. However, over the 2008 to 2018 period, manufacturing added more than 260 jobs (as well as maintaining existing jobs) in sectors such as apparel manufacturing, specialty manufacturing, furniture manufacturing, and other types of manufacturing.

Another reason for the decrease in manufacturing employment in Newberg was a lack of vacant buildings and developable sites for manufacturing. Examples of businesses that left include NW Alpine, which moved to Salem in 2019 and increased its workforce from about 30 employees to 70 employees. They expect to add about 20 more employees during 2020 and 2021.

National changes in manufacturing and demand for industrial land suggest future demand for industrial land in Oregon, including in Newberg. In recent years, US industries with global supply chains have shifted in response to geopolitical issues (e.g., trade policy) and increased demand for e-commerce (e.g., warehousing and distribution). These shifts have included reshoring some supply chain elements to the United States and leading to increased demand for industrial space. These dynamics accelerated during the COVID-19 pandemic, and are expected to continue in the future.⁹ Regionally, reports for markets on the West Coast, including the Portland region, confirm these trends with continued demand for industrial land and building space in 2020.¹⁰ Business Oregon reported that agriculture and food and beverage industries are the most competitive traded-sector industries in the region of Marion, Polk, and Yamhill Counties, followed by forestry and wood products, metals and machinery, and other manufacturing.¹¹

- **Increases in automation.** Businesses in both industrial and commercial industries will continue to respond to increases in automated processes, decreasing employment in some types of manufacturing processes and slightly increasing need for workers with skills in computers and other high-tech. While automation has been a factor in industrial sectors for decades (e.g., manufacturing), recent increases in automation for commercial industries have also occurred, such as certain functions of retail or office jobs. Oregon’s overall risk of automation is similar to that of the nation with lower and middle-wage jobs at higher risk of being automated. Jobs that are considered to be at lower risk include those that provide personal services or experiences, such as food service or hospitality. Higher-wage jobs that are also considered to be at a lower risk of automation include jobs that require social intelligence, perception, creativity, or fine motor skills.

⁹ CBRE Research. “The Changing Flow of International Trade.” 2020. <https://www.cbre.us/research-and-reports/US-Industrial---The-Changing-Flow-of-International-Trade-July-2020>

¹⁰ CBRE Research. “Industrial continues to make positive strides despite pandemic.” Q3 2020.

¹¹ Business Oregon. “Regional Competitive Industries: Marion, Polk, and Yamhill Counties.” 2018.

Most industrial sectors will still hire employees to complete certain tasks, though the types of skills required for these jobs may change as automation increases. Newberg's access to a skilled workforce is an advantage for businesses in the city, as long as the educational opportunities in the region continue to align with the needs for skills in industries in Newberg.

- **Importance of small businesses in Newberg's economy.** The average business in Newberg has 11 employees, the same as the state average. The creation of new businesses is vital to Oregon's (and Newberg's) economy as their formations generate new jobs and advance innovations into markets. Younger workers are important to continued growth of small businesses, as more than one-third of millennials in the nation are self-employed. Newberg's access to a relatively young workforce from across the Willamette Valley and Portland Metro regions presents opportunities for small businesses to grow in the city. The Chehalem Valley Innovation Accelerator provides resources for local entrepreneurs to build their business in the region. The Accelerator has partnerships with several regional organizations, businesses, and educational institutions to help bridge gaps and promote partnerships with local small businesses in Newberg.
- **Changes in the retail sector.** The retail sector has reacted over the past two decades to changing consumer preferences for shopping at large supercenters as well as online shopping. The growth of shopping online is likely to continue, accelerated as a result of the COVID-19 pandemic. There will continue to be demand for local purchase of retail goods. Consumers still prefer physical, brick-and-mortar stores for certain items, such as large furniture, specialty goods, and groceries. Furthermore, consumer preferences have shifted to spending at restaurants and experience-focused series (e.g., entertainment or recreation). Retail businesses that compete with online retailers may become less common in Newberg (and other cities), but businesses providing experiences or goods that cannot be purchased online may grow and expand in Newberg. This presents opportunities for Newberg's retail industry to build on the city's high quality of life, providing experiences for residents and visitors, especially those in the wine industry.
- **Continued increase in demand for energy.** While energy prices were unusually low in early 2020, energy prices are forecasted to increase over the planning period. If energy prices increase over the long term, these higher prices will likely affect the mode of commuting before affecting workers' willingness to commute. For example, commuters may choose to purchase a more energy-efficient car or carpool. In Newberg, the options for modes of commuting into the city from other areas are more limited than in larger urban areas with access to transit, bike, and pedestrian infrastructure. Very large increases in energy prices may affect workers' willingness to commute, especially workers living the furthest from Newberg or workers with lower-paying jobs. In addition, very large increases in energy prices may make shipping freight long distances less economically feasible, resulting in a slowdown or reversal of offshore manufacturing, especially of large, bulky goods.

- **A tight labor market that changed abruptly.** In 2019, the unemployment rate in Yamhill County was 3.4%, slightly lower than Oregon’s rate of 3.7% and the national rate of 3.6%. However, the sudden onset of the COVID-19 pandemic resulted in an abrupt increase in unemployment across the nation and in Oregon. In April 2020, unemployment rates increased to 13.2% in Yamhill County, 14.8% in Oregon, and 14.7% nationwide.¹² By November 2020, the unemployment rate in Yamhill County decreased to 5.1% (6.0% statewide). Between March 2020 and November 2020, Yamhill County lost approximately 2,790 jobs concentrated in manufacturing, accommodations and food services, health services, and retail trade.¹³ It is unclear how many of these jobs are lost in the long term and how many will come back as the regional and statewide economy reopens. The Oregon Office of Economic Analysis estimates that employment will not return to early 2020 levels until mid-2023, assuming the effects of the COVID-19 pandemic are alleviated by a vaccine or effective treatment.¹⁴
- **Availability of trained and skilled labor.** Availability of labor depends, in part, on population growth and in-migration. Newberg’s population increased by 5,981 people between 2000 and 2019 at an average annual growth rate of 1.5%. Most of the population increase occurred between 2000 and 2010, with an increase of 4,004 residents. In comparison, Oregon’s population grew at an average annual growth rate of 1.1% between 2000 and 2019 with 69% of the population coming from in-migration.

The current labor force participation rate is another important consideration in the availability of labor. The labor force in any market consists of the adult population (16 and over) who are working or actively seeking work. The labor force includes both the employed and unemployed. According to the 2014–2018 American Community Survey, Newberg had about 11,987 people in its labor force and Yamhill County had over 49,800. The labor force participation rate in Newberg (65%) was higher than Yamhill County (60%) and Oregon (62%) in the 2014–2018 period. Nonparticipants in the labor force (the 35% of people not participating in Newberg’s labor force) include students 16 years and older, retirees, and unemployed people not actively seeking work. A higher concentration of older residents in an area, or a mismatch between the types of jobs available in an area and the types of skills of the labor force, can contribute to low labor force participation rates.

Twenty-three percent of workers at businesses in Newberg live in Newberg and 48% live in Yamhill County. Businesses in Newberg draw employees from across Yamhill County as well as Washington, Clackamas, and Marion Counties.

- **Lower household income and average wages.** Newberg’s median household income is lower relative to both the county and the state. In the 2014–2018 period, Newberg’s median household income was \$56,599, lower than Yamhill County’s median household

¹² Note that these unemployment rate estimates are preliminary and may be revised as the year continues.

¹³ Based on information from the Oregon Employment Department for Yamhill County as of November 2020. <https://www.qualityinfo.org/covid-19>

¹⁴ Oregon Employment Department, Oregon Economic and Revenue Forecast, September 2020.

income of \$59,484 and Oregon’s median household income of \$59,393. The average wage at private businesses in Newberg was about \$43,480 in 2018, which was higher than the Yamhill County average of \$42,302 in 2018 but below the state average of \$53,000.¹⁵

- **Education as a determinant of wages.** Newberg’s population has a larger share (31%) of college graduates (bachelor’s degree or higher) than Yamhill County (26%) but a smaller share than Oregon (33%). About 35% of Newberg’s residents have some college or an associate degree, and about 34% have a high school diploma or less. Businesses that need employees with a college degree may be more likely to move to Newberg, and some may need to recruit employees from outside of the city. Newberg businesses have access to students from the local campus of George Fox University, the Portland Community College Newberg Center, and neighboring Linfield College in McMinnville.
- **Aging of the population and need for replacement workers.** Newberg has a smaller percentage of residents 60 years and older (18%) relative to Oregon (24%) and Yamhill County (23%). Newberg’s median age, which was 30.1 in 2000, increased to 33.7 in the 2014–2018 period. In comparison, Yamhill County’s median age was 38.1, and Oregon’s median age was 39.2 in the 2014–2018 period.

Yamhill County’s population is expected to continue aging, with people 60 years and older increasing from 25% of the population in 2020 to 28% of the population in 2045, consistent with statewide trends. As workers retire, businesses need to replace them with new workers. This need for replacement workers will continue to drive need for workers.

- **Increases in racial and ethnic diversity.** Overall, both the nation and Oregon are becoming more racially and ethnically diverse. Between 2000 and 2014–2018, the Hispanic and Latino population in Oregon increased from 8% to 13%, while it increased in Newberg from 11% to 14%. The population of people of color has increased from 13% to 16% in Oregon since 2000 and from 10% to 12% in Newberg.

Employment Trends in Newberg and Yamhill County

The economy of the nation changed substantially between 1980 and 2018. These changes affected the composition of Oregon’s economy, including Newberg’s economy. At the national level, the most striking change was the shift from manufacturing employment to service-sector employment. The most important shift in Oregon during this period has been the shift from a timber-based economy to a more diverse economy, with the greatest employment in services. This section focuses on changes in the economy in Yamhill County and Newberg since 2008.

¹⁵ Oregon Employment Department, Quarterly Census of Employment and Wages, 2018.

Employment Trends in Yamhill County

Exhibit 1 shows covered employment¹⁶ in Yamhill County for 2008 and 2018. Employment increased by 3,874 jobs, or 12%, over this period. The sectors with the largest increases in numbers of employees were education and health services (1,180 jobs), leisure and hospitality (1,088 jobs), natural resources and mining (743 jobs), and professional and business services (310 jobs).

The average wage for employment in Yamhill County in 2018 was about \$42,302. Employment in higher-wage industries, such as manufacturing and professional and business services, increased over the 2008 to 2018 time period. One exception is the financial activities sector, which saw a decrease of 70 jobs.

Exhibit 1. Covered Employment by Industry, Yamhill County, 2008–2018

Industry Sector	2008	2018	Change 2008 - 2018			Average Wage (2018)
			Number	Percent	AAGR	
Natural resources and mining	2,926	3,669	743	25%	2.3%	\$37,840
Construction	1,760	1,977	217	12%	1.2%	\$51,966
Manufacturing	6,592	6,896	304	5%	0.5%	\$52,331
Trade, transportation and utilities	4,547	4,844	297	7%	0.6%	\$35,692
Information	213	242	29	14%	1.3%	\$54,512
Financial activities	1,077	1,007	-70	-6%	-0.7%	\$54,405
Professional and business services	1,630	1,940	310	19%	1.8%	\$48,464
Education and health services	5,212	6,392	1,180	23%	2.1%	\$43,299
Leisure and hospitality	2,704	3,792	1,088	40%	3.4%	\$20,279
Other services	1,082	1,386	304	28%	2.5%	\$24,071
Unclassified	19	9	-10	-53%	-7.2%	\$51,094
Government	4,702	4,184	-518	-11%	-1.2%	\$50,765
Total	32,464	36,338	3,874	12%	1.1%	\$42,302

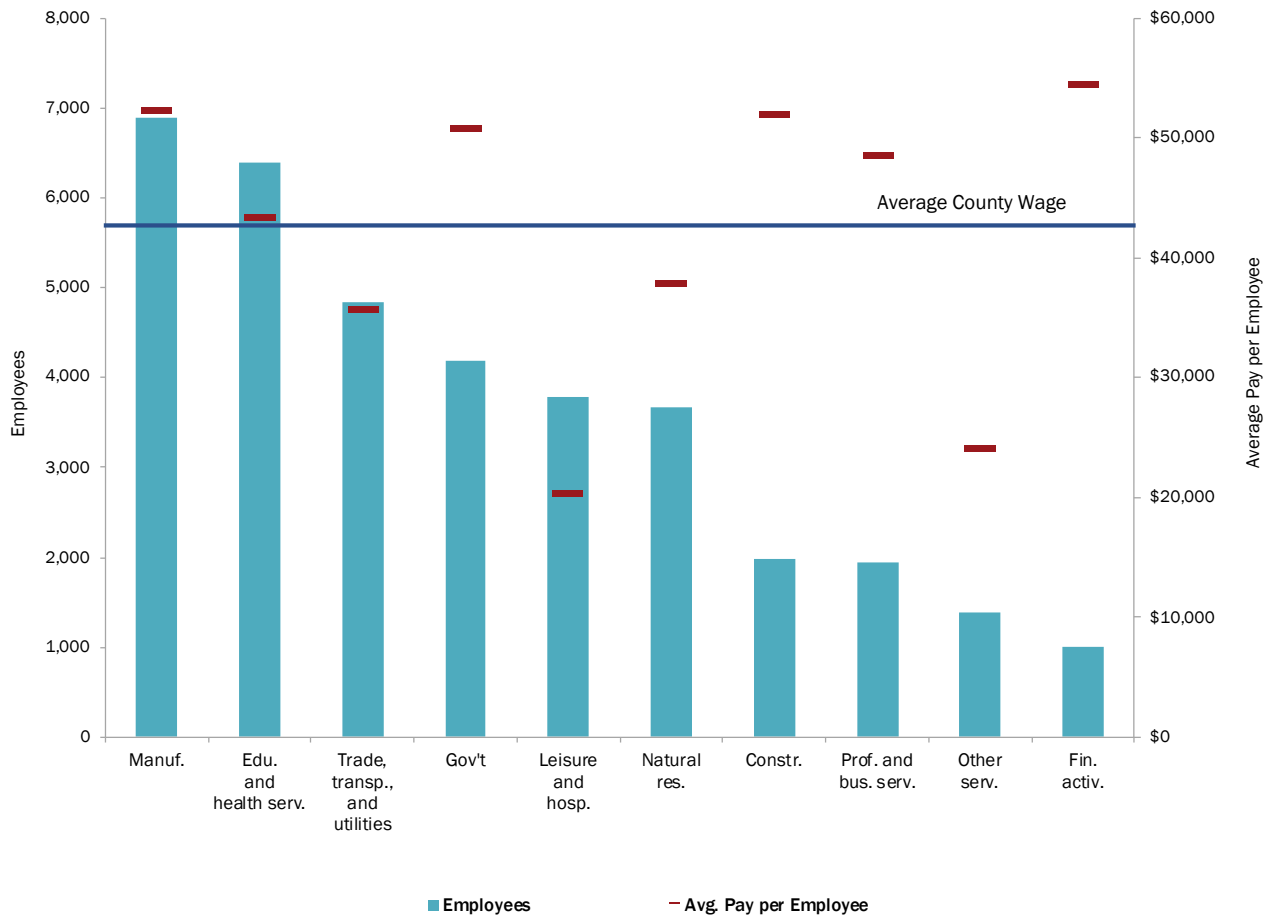
Source: Bureau of Labor Statistics, Quarterly Census of Employment and Wages, 2008–2018.

Note: “ND” stands for “Not Disclosed” and indicates that the data has been suppressed by the BLS due to confidentiality constraints. The total amount of not-disclosed employment is shown in the table.

¹⁶ **Covered** employment includes employees covered by unemployment insurance. Examples of workers not included in covered employment are sole proprietors, some types of contractors (often referred to as “1099 employees”), or some railroad workers. Covered employment data is from the Oregon Employment Department.

Exhibit 2 shows covered employment and average wage for the ten largest industries in Yamhill County. Jobs in manufacturing accounted for approximately 19% of the county’s total covered employment, followed by education and health services (18%) and trade, transportation, and utilities (13%). However, of these sectors, only manufacturing and education and health services pay above the county wage (\$52,331 and \$43,299, respectively). Jobs in government, construction, professional and business services, and financial activities also paid more per year than the county average, but they account for a smaller share of covered employment in the county. In addition to trade, transportation and utilities, leisure and hospitality, natural resources and mining, and other services paid below the 2018 county average.

Exhibit 2. Covered Employment and Average Pay by Sector, 10 Largest Sectors Yamhill County, 2018



Source: Bureau of Labor Statistics, Quarterly Census of Employment and Wages, 2018.

The loss of statewide employment due to the COVID-19 pandemic impacted the accommodation and food services industry the most, followed by the health-care and social assistance industry, as well as the retail trade industry.¹⁷ Other services, which include personal care services such as barber shops and beauty salons, nonveterinary pet care, and fitness instructors also experienced acute impacts. Jobs in these industries tend to have lower wages, and the Oregon Employment Department (OED) reported that in the first nine weeks of the pandemic, about 68% of all initial unemployment claims came from individuals working jobs that pay less than \$20 per hour.¹⁸ Furthermore, OED reported that the manufacturing, construction, and health-care industries had a large quantity of initial unemployment insurance claims. For the manufacturing and construction industries, OED suggested that this is likely due to businesses' inability to put effective social distancing requirements into place.

In their September 2020 economic and revenue forecast, the Oregon Office of Economic Analysis (OEA) anticipates that over one-third of the initial job losses due to the pandemic will return by the end of 2020, with slower growth in the beginning of 2021.¹⁹ However, the Oregon economy will be far from full recovery by then. OEA expects that after this initial economic snapback, Oregon's economy will recover more quickly than the Great Recession. OEA forecasts that the economy should recover to health by mid-2023.

¹⁷ Based on information from the Oregon Employment Department for Yamhill County as of June 2020. <https://www.qualityinfo.org/covid-19>

¹⁸ Damon Runberg. "Who Are the COVID-19 Unemployed in Oregon?" Salem, OR: State of Oregon Employment Department. May 21, 2020. <https://www.qualityinfo.org/-/who-are-the-covid-19-unemployed-in-oregon->

¹⁹ Oregon Employment Department, Oregon Economic and Revenue Forecast, September 2020.

Employment in Newberg

Between 2008 and 2018, employment in Newberg increased by about 837 employees (9%). Employment in health care, social assistance, and private education increased by about 391 employees (19%), while manufacturing employment decreased by about 390 employees (16%) (Exhibit 3).

Exhibit 3. Change in Covered Employment, Newberg UGB, 2008–2018

Sectors highlighted in blue have wages higher than the city average.

Sector	2008 Employment	2018 Employment	Change (Number)	Change (Percent)	AAGR
Construction; Natural Resources	420	531	111	26%	2.4%
Manufacturing	2,475	2,085	(390)	-16%	-1.7%
Wholesale Trade	66	99	33	50%	4.1%
Retail Trade	872	1,083	211	24%	2.2%
Transportation and Warehousing; Utilities	93	122	29	31%	2.8%
Information	55	62	7	13%	1.2%
Finance and Insurance	178	181	3	2%	0.2%
Real Estate and Rental and Leasing	95	105	10	11%	1.0%
Professional Services; Management of Companies	189	219	30	16%	1.5%
Administrative and Waste Services	115	139	24	21%	1.9%
Health Care and Social Assist.; Private Education	2,050	2,441	391	19%	1.8%
Arts, Entertainment, and Recreation	33	54	21	64%	5.0%
Accommodation and Food Services	849	1,292	443	52%	4.3%
Other Services (except Public Administration)	376	387	11	3%	0.3%
Government	972	875	(97)	-10%	-1.0%
Total	8,838	9,675	837	9%	0.9%

Source: Oregon Employment Department, Quarterly Census of Employment and Wages, 2008 and 2018.

Employment in Newberg accounted for about 27% of employment in Yamhill County in 2018. Exhibit 4 shows a summary of covered employment data for the Newberg UGB in 2018. The sectors with the greatest number of employees were health care, social assistance, and private education²⁰ (25%); manufacturing (22%); accommodation and food services (13%); and retail trade (11%).

Exhibit 4. Covered Employment and Average Pay by Sector, Newberg UGB, 2018²¹

Sector	Establishments	Employees	Payroll	Average Wage
Natural Resources	6	72	\$ 2,976,629	\$ 41,342
Utilities	3	34	\$ 2,374,556	\$ 69,840
Construction	74	459	\$ 26,030,085	\$ 56,710
Manufacturing	53	2,085	\$ 123,419,738	\$ 59,194
Wholesale Trade	37	99	\$ 5,455,352	\$ 55,105
Retail Trade	73	1,083	\$ 33,930,351	\$ 31,330
Transportation and Warehousing	10	88	\$ 2,583,193	\$ 29,354
Information	14	62	\$ 3,657,441	\$ 58,991
Finance and Insurance	46	181	\$ 9,772,257	\$ 53,990
Real Estate and Rental and Leasing	40	105	\$ 3,555,991	\$ 33,867
Professional Services; Management of Companies	57	219	\$ 15,170,897	\$ 69,274
Administrative and Waste Services	35	139	\$ 3,456,261	\$ 24,865
Health Care and Social Assist.; Private Education	113	2,441	\$ 107,106,088	\$ 43,878
Arts, Entertainment, and Recreation	6	54	\$ 582,001	\$ 10,778
Accommodation and Food Services	74	1,292	\$ 28,533,996	\$ 22,085
Other Services (except Public Administration)	150	387	\$ 9,823,593	\$ 25,384
Government	23	875	\$ 42,241,881	\$ 48,276
Total	814	9,675	\$ 420,670,310	\$ 43,480

Source: Oregon Employment Department, Quarterly Census of Employment and Wages, 2018.

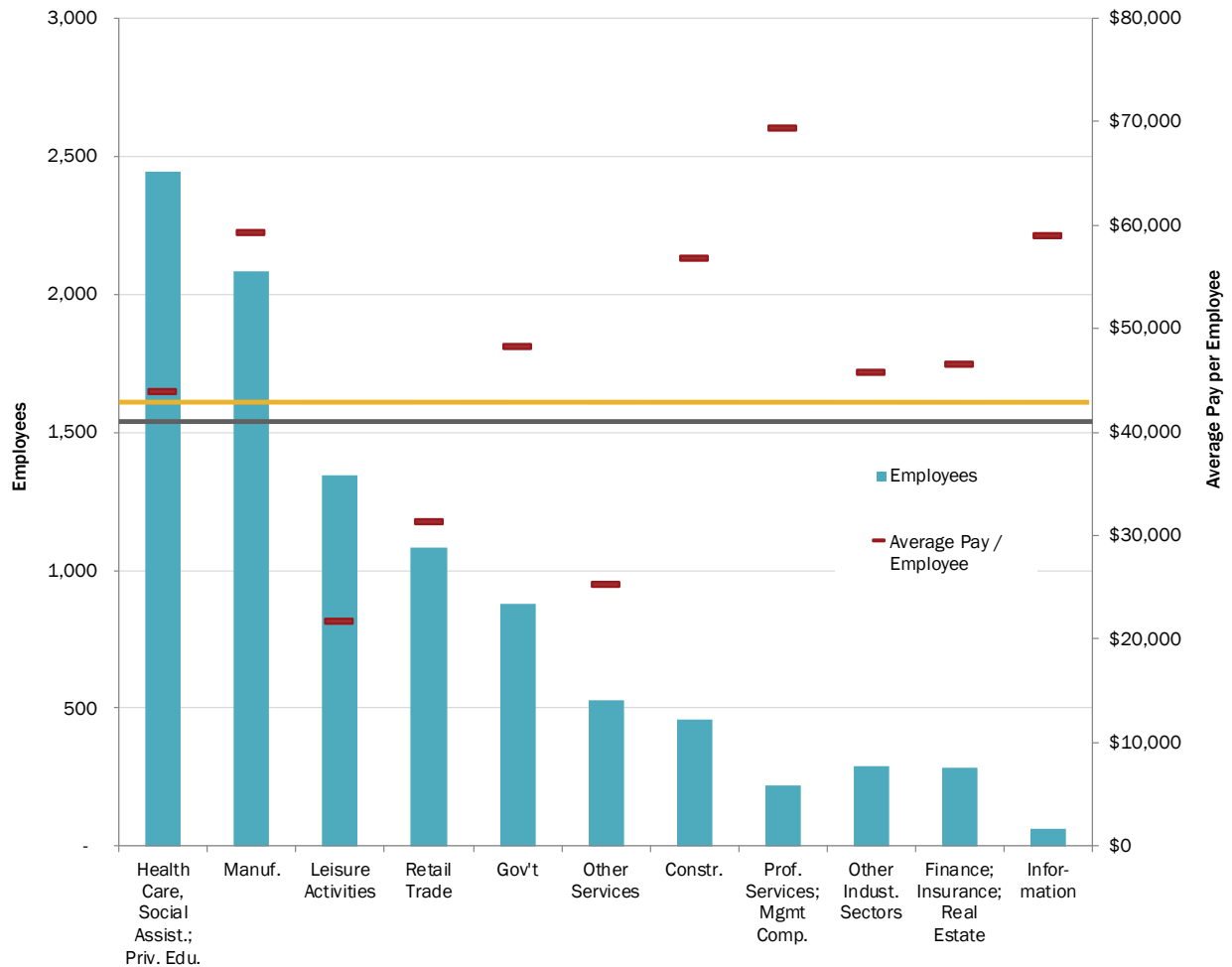
The average size for a private business in Newberg was 11 employees per business, the same as the state average. Businesses with 9 or fewer employees accounted for 18% of private employment, and businesses with 50 or fewer employees accounted for 52% of private employment.

Exhibit 5 shows the employment and average pay per employee for sectors in Newberg. Average pay for all employees (\$43,480) is shown as a yellow line across the graph and average pay for individual sectors as short red lines. The figure shows that health care and social assistance; finance, insurance, and real estate; professional, scientific, and technical services; government; and industrial sectors had above average wages. The lowest wages were in retail trade and leisure activities, which includes arts, entertainment, and recreation and accommodation and food services.

²⁰ These sectors are combined due to confidentiality. Health care makes up a larger share of the jobs in this sector grouping.

²¹ The following sectors were combined due to confidentiality of QCEW data: Utilities, Transportation and Warehousing; Manufacturing and Wholesale Trade; Finance and Insurance, Real Estate and Rental and Leasing; Health Care and Social Assistance and Private Education; Arts, Entertainment and Recreation and Accommodation and Food Services.

Exhibit 5. Covered Employment and Average Pay by Sector, Newberg UGB, 2018²²



Source: Oregon Employment Department, Quarterly Census of Employment and Wages, 2018.

Though data are not readily available at the city level to inform the impacts of the COVID-19 pandemic, OED reports that Yamhill County had lower rates of unemployment insurance (UI) claims as a share of labor force relative to all Oregon counties.²³ In the months following the onset of the pandemic (for data ending June 30, 2020), nearly 3,303 continued UI claims were made in Yamhill County. Of these claims, almost 650 were in the manufacturing sector (20% of the county total). Accommodation and food services had the next largest share of claims at about 18% of the county total, followed by health care and social assistance with 12%. The depth of the impact on wages is not fully apparent in the data yet; however, the sharp job loss in these sectors and others is expected to decrease or at least stagnate in the short run.

²² “Industrial sectors” includes natural resources, construction, transportation and warehousing, utilities, and wholesale trade. “Leisure activities” includes accommodation and food services and arts, entertainment, and recreation.

²³ Based on information from the Oregon Employment Department for Yamhill County as of June 2020. <https://www.qualityinfo.org/covid-19>

Outlook for Growth in Yamhill County

Given the large change in the economy starting in March 2020 as a result of the COVID-19 pandemic, it is difficult to accurately understand the likely outlook for growth in Yamhill County. The best currently available data is as follows. Exhibit 6 shows the Oregon Employment Department's forecast for employment growth by industry for the Mid-Valley region (Linn, Marion, Polk, and Yamhill Counties) over the 2019 to 2029 period. Employment in the region is forecasted to grow at an average annual growth rate of 0.8%.

The sectors that will lead employment in the region for the ten-year period are private educational and health services (adding 6,700 jobs); government (3,100); trade, transportation, and utilities (2,600); professional and business services (2,400); construction (2,300); and leisure and hospitality (2,300). In sum, these sectors are expected to add 19,400 new jobs or about 81% of employment growth in the Mid-Valley region. Yamhill County accounts for about 14% of employment in these four counties, and Newberg accounts for about 27% of the county's employment.

Exhibit 6. Regional Employment Projections, 2019–2029, Mid-Valley Region (Linn, Marion, Polk, and Yamhill Counties)

Industry Sector	2019	2029	Change 2019 - 2029		
			Number	Percent	AAGR
Total private payroll employment	215,700	235,500	19,800	9%	0.9%
Natural resources and mining	18,000	19,300	1,300	7%	0.7%
Mining and logging	1,200	1,200	0	0%	0.0%
Construction	17,400	19,700	2,300	13%	1.2%
Manufacturing	28,900	30,300	1,400	5%	0.5%
Durable goods	17,100	18,200	1,100	6%	0.6%
Wood product manufacturing	4,400	4,500	100	2%	0.2%
Nondurable goods	11,800	12,100	300	3%	0.3%
Trade, transportation, and utilities	43,700	46,300	2,600	6%	0.6%
Wholesale trade	6,400	7,000	600	9%	0.9%
Retail trade	27,900	28,500	600	2%	0.2%
Transportation, warehousing, and utilities	9,400	10,800	1,400	15%	1.4%
Information	2,000	2,000	0	0%	0.0%
Financial activities	9,600	9,700	100	1%	0.1%
Professional and business services	20,400	22,800	2,400	12%	1.1%
Private educational and health services	42,100	48,800	6,700	16%	1.5%
Health care and social assistance	37,400	43,600	6,200	17%	1.5%
Leisure and hospitality	23,300	25,600	2,300	10%	0.9%
Accommodation and food services	20,700	22,800	2,100	10%	1.0%
Other services and private households	10,300	11,000	700	7%	0.7%
Government	54,000	57,100	3,100	6%	0.6%
Federal government	2,200	2,300	100	5%	0.4%
State government	21,200	22,800	1,600	8%	0.7%
Local government	30,600	32,000	1,400	5%	0.4%
Self Employment	15,500	16,700	1,200	8%	0.7%
Total employment	285,200	309,300	24,100	8%	0.8%

Source: Oregon Employment Department. Employment Projections by Industry 2019–2029.

Newberg's Competitive Advantage

Local conditions, as well as national and state economic conditions, will affect economic development opportunities in Newberg. Economic conditions in Newberg relative to other portions of the Willamette Valley region form Newberg's competitive advantage for economic development. Newberg's competitive advantages have implications for the types of firms most likely to locate and expand in the area.

Newberg's primary competitive advantages and key economic assets are access to US Highway 99, access to a skilled labor force, and high quality of life. These factors make Newberg attractive to residents and businesses that want a high quality of life where they live and work.

The discussion earlier in this chapter provided information about Newberg's existing base of businesses and access to labor, which are key to understanding Newberg's competitive advantages. This section summarizes these and other local factors that form Newberg's competitive advantage, with additional details in the sections following this summary.²⁴

- **Location.** Newberg is located in Yamhill County, less than an hour from Portland. Because of its relative proximity to the Portland metropolitan area, the city has access to infrastructure such as the Portland International Airport and Interstate Highway 5. These locational aspects allow both goods and workers to move in and out of Newberg with relative efficiency. Newberg's location can be an advantage, especially for workers who prefer to live in or near Newberg for its quality of life but still need access to urban amenities.
- **Transportation.** Newberg is located along Oregon Route 99W, providing a connection to McMinnville and the Portland Metro area. The Highway runs through Newberg, allowing for freight and automotive transportation within and beyond the city. Most recently, the Oregon Department of Transportation (ODOT) has completed the first phase of the Newberg-Dundee Bypass, which includes a 4-mile expressway extending from OR 219 to OR 99W.²⁵ In its final phase, the 11-mile expressway will feature four lanes running from Dayton to just outside of Newberg. The bypass is being built to improve livability for the surrounding areas and will hopefully, in turn, alleviate traffic around downtown Newberg.
- **Access to workers.** Newberg pulls workers from across Yamhill County. Newberg, unlike Yamhill County, has a higher share of residents in their early working lives. While many areas face the challenges of an aging workforce, Newberg has attracted younger residents who may help balance these effects.

²⁴ The analysis in this section also incorporates information from the *Newberg Economic Development Strategy* (2016, updated 2019).

²⁵ Oregon Department of Transportation. (2019). Oregon Department of Transportation – Region 2 (Willamette Valley and Coast). <http://oregonjta.org/region2/?p=highway99w>

- **Remote workers.** The number of remote workers is expected to increase over time. Some of these workers will likely work from home, but they may also seek small office spaces if available.²⁶ This presents an opportunity for the development of coworking or shared office spaces in Newberg. Business for service-sector industries could increase beyond current seasonal demand, as remote workers may require access to local shops, restaurants, and other services to connect and collaborate.
- **Access to job training.** Aside from on-the-job training, workers in Newberg have access to an extension of the Portland Community College located in the city. The Newberg Center is about 30 miles from the main campus and offers associate and transfer degrees to students who plan on transferring to a State of Oregon college or university. Newberg has also made efforts to increase career and technical education (CTE) at the high school level. The city is home to George Fox University, a private, Christian university with extensions in Portland, Salem, and Redmond. The university offers bachelor's, master's, and doctorate degrees and has recently been ranked 24th out of 127 institutions in the "Best Regional Universities" West category by *US News & World Report*.²⁷ In addition to this accolade, both *Forbes* and *The Princeton Review* have named the university a top regional institution.²⁸
- **Small business and entrepreneurial growth.** On average, private businesses in Newberg average 11.1 employees per business. Newberg's quality of life, especially its wineries and access to river-based recreation, make the community attractive as a place to grow small businesses. The City can continue working with regional and state resources, such as the Chehalem Valley Chamber of Commerce, to help connect small businesses and entrepreneurs with available resources and services.
- **Access to agricultural products.** Farming and processing of value-add agricultural products remains a large industry in Newberg and surrounding Yamhill County. In 2017, Yamhill County accounted for 6% of the state's total agricultural sales. The products with the largest sales produced in Yamhill County include nursery and greenhouse products, as well as fruits, tree nuts, and berries. The crops with the most acreage in Yamhill County include grass seed, hay, hazelnuts, grapes, and harvested vegetables. Farms in the county also produce animal products, including poultry, eggs, and milk.²⁹

²⁶ People working from home for businesses located outside of Newberg are likely not counted in annual employment figures. QCEW and the US Census' Longitudinal Employer-Household Dynamics (LEHD) data sets use employment data that is based on the location of the employer. Some employers have multiple locations, but an employee may not physically work at that location. For example, a Newberg resident may work remotely for a business located in Portland. While the employee does not commute to Portland, the employer reports the employee as a worker at the Portland location.

²⁷ George Fox University. (2019). George Fox University again receives recognition in 2019 'US News & World Report' Rankings. <https://blogs.georgefox.edu/newsreleases/?p=7571>

²⁸ George Fox University. (2019). High rankings testify to the quality of a George Fox education. <https://www.georgefox.edu/academics/rankings.html>

²⁹ US Census of Agriculture. Yamhill County Profile. 2017.

Newberg's location within Oregon's largest wine region, the North Willamette Valley, contributes to the strength of the agricultural industry in the area. As of 2018, the North Willamette Valley had 651 vineyards with 20,279 planted acres of grapes and 503 wineries.³⁰

- **Collaborative economic development partnerships.** Newberg is part of a regional ecosystem of economic development partnerships. Successful local economic development is often a result of effective collaboration among governments, business owners, and community members. Newberg has existing collaborative partnerships with public agencies, including the Chehalem Valley Chamber of Commerce, Chehalem Valley Innovation Accelerator, SEDCOR, Mid-Willamette Valley Council of Governments, Polk County Economic Development, Willamette Workforce Partnership, Business Oregon, Oregon Department of Transportation (ODOT), George Fox University, and Portland Community College. The City can continue to build on these relationships with key partners to improve infrastructure, identify opportunities for education and training for needed skills in potential growth industries, and expand on existing resources.
- **Tourism and related industries.** Tourism is growing in Yamhill County. The number of overnight visitors to Yamhill County has increased from 1,683,000 in 2016 to 1,773,000 in 2018, an increase of 90,000 overnight stays or 5.3%.³¹ Growth in tourism creates opportunities for services for visitors, such as river guides, restaurants, tasting rooms, a brew pub, overnight accommodations, and other services for visitors. Newberg shares many similar attributes with McMinnville, such as climate, outdoor recreation opportunities, and arts and culture. Marketing Newberg as a place with attributes similar to other cities in the Willamette Valley may help attract new visitors to Newberg.
- **Scenic resources.** Newberg is located in the northern part of the Willamette Valley, which is valued for its outdoor recreational activities, wineries, vineyards, and mountain ranges. Many residents and visitors to Newberg choose to live in and visit Newberg for its scenic beauty and tourism opportunities.
- **Quality of life.** Many residents of Newberg value the city's scenic beauty, friendly small-town character, pleasant climate, arts and culture, access to retail and other urban amenities, and access to outdoor recreational amenities.

Newberg's disadvantages for economic development include:

- **Land availability and serviceability.** Newberg has relatively little vacant, unconstrained commercial and industrial land within the city or urban growth boundary. Landowner willingness to sell or develop land varies, making some sites unavailable for development for the foreseeable future. Some sites within Newberg lack

³⁰ University of Oregon. *2018 Oregon Winery and Vineyard Report*. Institute for Policy Research and Engagement. September 2019.

³¹ Dean Runyan Associates, Oregon Travel Impacts.

urban infrastructure (e.g., water, sewer, or roads), making development infeasible at this time. The cost to provide services to these sites can be prohibitive to potential developers, requiring coordination and assistance from the City.

Businesses have relocated or expanded outside of Newberg due to lack of available and suitable industrial sites. Recent examples of businesses that left Newberg include Polymax, NW Alpine, Halstead Cabinets, Advance Machinery, and Aviatrix. Furthermore, new businesses interested in locating on industrial land in Newberg have cited lack of available land and infrastructure as key issues for locating elsewhere. According to recruitment information collected by City staff, since 2014 potential businesses interested in locating in Newberg ranged from industries in advanced manufacturing to aviation related services to food and agricultural products.

SEDCOR is the lead economic development agency for the Mid-Willamette Valley, including Newberg. SEDCOR has long worked with the City of Newberg to provide opportunities for businesses to grow, expand, and locate in Newberg. SEDCOR describes the following impacts of the lack of available and suitable industrial sites in Newberg for business growth, expansion, and attraction:

“SEDCOR, like most economic development organizations, considers the retention and expansion of our region’s traded-sector employers as our top priority. Our efforts to retain growing employers in Newberg have been hampered by the lack of available industrial sites in the city. A business with expansion opportunities has been forced to look outside the community for a site ready and able to accommodate its future growth. Moreover, business recruitment, also an important part of a community’s economic development strategy, depends on an inventory of project-ready sites. Marketable, attractive sites that are development-ready provide a community with an advantage to grow the successful businesses that have already made investments there, as well as attract new employers to sustain and grow the local economy into the future.” (Erik Andersson, President, SEDCOR)

- **Affordable housing for workers.** A growing concern among Newberg leaders and community members is the lack of available workforce housing. Those who choose to live and work in Newberg have lower wages than those who commute out of the city to surrounding areas for work. The lack of affordable housing pulls qualified workers away from the city’s employers and may inhibit employment and industry growth. The Housing Needs Analysis showed the following barriers to production of affordable housing: deficiency of land in medium and high-density residential plan designations, as well as increasing housing costs.

In addition, the winery businesses in and around Newberg need housing for migrant farmworkers. Vineyards rely heavily on migrant workers and the challenges these workers face in finding affordable short-term housing, and accommodations may deter

them from coming to Newberg or the surrounding agricultural areas during the harvest season.

- **Aging population.** Newberg has a higher labor force participation rate than Yamhill County and Oregon; however, the aging workforce will still present challenges to the City. As workers in Newberg retire, or new residents locate in Newberg after retirement, the need for skilled, educated replacement workers will increase.
- **Environmental and climate change risks.** Newberg’s economy relies heavily on outdoor, recreation-focused tourism. Environmental factors, including climate change, can threaten the success of tourism industries that rely on favorable weather conditions. Forest fires and floods are both a concern for communities in Oregon, and the risk of these natural hazards is likely to increase as a result of climate change.³² Forest fires also cause poor air quality, which can detract visitors and decrease quality of life for residents. Other potential natural hazards that will likely increase in Newberg as a result of climate change include drought, increased invasive species, and loss of wetland ecosystems.³³

Public Facilities and Services

Provision and costs of public facilities and services can impact a firm’s decision regarding location within a region. One of the primary considerations about developing a site is whether it has infrastructure to the site or near the site, including water, wastewater, stormwater, and transportation. If infrastructure is not developed to or near the site, the consideration becomes whether infrastructure can be extended in a timely manner and at a financially feasible cost.

This section discusses Newberg’s large infrastructure systems, including the water system, wastewater system, and stormwater system. It answers the question of whether Newberg has or is planning to have sufficient capacity to support the amount and types of development proposed in the EOA.

Water

Generally, Newberg has adequate water capacity and treatment facilities to meet current and future demand to serve population and employment growth. The City’s main water source is a well field in Marion County and has an overall maximum capacity to pump 8.5 million gallons per day. The water system includes three reservoirs each with the capacity to hold 4 million gallons—two are located at the North Valley Reservoir and the third is the Corral Creek Reservoir. The average winter demand for water in Newberg is 2.0 million gallons per day, while the average summer demand is 3.6 million gallons per day.³⁴ Currently, the City is able to

³² Oregon Climate Change Research Institute. Climate Change Influence on Natural Hazards in Oregon Counties. August 2018 and Fourth Oregon Climate Assessment Report. January 2019.

³³ Ibid.

³⁴ The peak maximum daily demand was reported at 6.1 million gallons per day on July 21, 2006. The average maximum demand during the summer months is 4.5 million gallons per day.

serve current and future water uses on commercial and industrial land. However, the City may not have capacity to accommodate development of a new industry with significant water needs, such as water-intense food processing or electronics manufacturing, until the upgrades (described below) are completed by approximately 2025.

The City is in the process of updating its water master plan and addressing the needs identified in the Riverfront Master Plan, such as extending water mains to the area and improving water distribution north of the bypass. The industrial areas identified in the Riverfront Master Plan are located in close proximity to the water treatment plant near the southern boundary of the UGB. There is opportunity for infrastructure development for industrial uses in this area, but it would need to be addressed in future development. The Riverfront area also has opportunities to extend the City's water reuse program.

Finally, the City is in the process of working to develop a redundant supply to provide secondary support for the existing water system, with one of the options as the Willamette River as a local source with intake near the existing water treatment plant. These additional water rights would add another 5.2 million gallons per day to the City's water capacity, increasing the City's potential capacity to 13.7 million gallons per day. The City expects to complete the water right acquisition by 2025. Based on the City's existing capacity, the average demand, and the redundant water supply available about five years into the 20-year planning period, Newberg will be able to accommodate heavy water users in the future.

Wastewater

Newberg's wastewater treatment facilities are also adequate to meet current and future needs over the 20-year planning period. The City's 5-Year Capital Improvements Plan includes wastewater system improvement projects developed from the Wastewater Master Plan. These projects include improvements to lift stations, the treatment plant, and the collection and conveyance system. The City has an ongoing annual inflow and infiltration (I&I) project. The reduction of I&I adds capacity back into the wastewater system, which will assure that the plant will adequately serve existing and future users for the next 20 years. Due to their proximity to the wastewater treatment plant, connections to wastewater infrastructure will be relatively simple for future users in the Riverfront area. The City is in the process of updating its wastewater master plan, and addressing needs identified in the Riverfront Master Plan such as extension of wastewater mains to the area and improvements of wastewater distribution north of the bypass.

Stormwater

Drainage for stormwater in Newberg flows to three creeks—Chehalem Creek, Hess Creek, and Spring Brook—all of which flow to the Willamette River. The City's stormwater system is over 50-miles long through closed (pipe) and open networks. The 2014 Stormwater Master Plan identified potential deficiencies in the capacity of Newberg's stormwater system, including needed improvements to pipe infrastructure, as well as drainage and flooding issues. The City

has also observed an increase in state regulation related to the development of new outlets in natural drainages. Additional requirements have resulted in challenges to develop new outfalls into drainages. The City is in the process of updating its stormwater master plan, which includes an analysis of regulatory requirements and the reprioritization of system needs. The City is also working to address needs identified in the Riverfront Master Plan, such as the extension of stormwater mains to the area and improvements of stormwater distribution north of the bypass.

3. Employment Growth and Site Needs

Goal 9 requires cities to prepare an estimate of the amount of commercial and industrial land that will be needed over a 20-year planning period. The estimate of employment land need and site characteristics for Newberg is based on expected employment growth and the types of firms that are likely to locate in Newberg over the 20-year period. This chapter presents an employment forecast and analysis of potential growth industries that build from recent economic trends.

Forecast of Employment Growth

OAR 660-009-0015(4) requires the EOA to “estimate the types and amounts of industrial and other employment uses likely to occur in the planning area.” The Goal 9 rule does not specify how jurisdictions conduct this analysis. The *types* of employment are described in the land use types shown in Exhibit 9 and the potential growth industries described later in this chapter. The *amounts* of employment uses are shown as number of employees (Exhibit 9) and acres of land for each land use type (see Exhibit 11 for commercial land need and Exhibit 21 for industrial land need). The sections in the chapter about commercial site needs and industrial site needs also describe the types of land needed to accommodate the forecast of employment growth in Newberg.

Demand for industrial and commercial land will be driven by the expansion and relocation of existing businesses and by the growth of new businesses in Newberg. This employment land demand is driven by local growth independent of broader economic opportunities, including the growth of potential growth industries.

The employment projections in this section build off Newberg’s existing employment base, assuming future growth is similar to Yamhill County’s long-term historical employment growth rates. The employment forecast does not take into account a major change in employment that could result from the location (or relocation) of one or more large employers in the community during the planning period. Such a major change in the community’s employment would exceed the growth anticipated by the City’s employment forecast and its implied land needs (for employment, but also for housing, parks, and other uses). Major economic events, such as the successful recruitment of a very large employer, are difficult to include in a study of this nature. The implications, however, are relatively predictable: more demand for land (of all types) and public services.

Projecting demand for industrial and nonretail commercial land has four major steps:

1. **Establish base employment for the projection.** We start with the estimate of covered employment in Newberg presented in Exhibit 4. Covered employment does not include all workers, so we adjust covered employment to reflect total employment in the city.

2. **Project total employment.** The projection of total employment considers forecasts and factors that may affect employment growth in Newberg over the 20-year planning period.
3. **Allocate employment.** This step involves allocating types of employment to different land use types.
4. **Estimate land demand.** This step estimates general employment land demand based on employment growth and assumptions about future employment densities.

Employment Base for Projection

The purpose of the employment projection is to model future employment land need for general employment growth. The forecast of employment growth in Newberg starts with a base of employment growth on which to build the forecast. Exhibit 7 shows ECONorthwest's estimate of total employment in Newberg in 2018.

To develop the figures, ECONorthwest started with estimated covered employment in the Newberg UGB from confidential Quarterly Census of Employment and Wages (QCEW) data provided by the Oregon Employment Department. Based on this information, Newberg had about 9,675 covered employees in 2018.

Covered employment does not reflect all workers in an economy, including sole proprietors. Analysis of data shows that *covered* employment reported by the Oregon Employment Department for Yamhill County is only about 72% of *total* employment reported by the US Department of Commerce.³⁵ We evaluated this ratio for each industrial sector for Yamhill County and used the resulting ratios to determine the number of noncovered employees. This allowed us to determine the total employment in Newberg. Exhibit 7 shows Newberg had an estimated 13,466 *total* employees within its UGB in 2018.

³⁵ *Covered* employment includes employees covered by unemployment insurance. Examples of workers not included in covered employment are sole proprietors, some types of contractors (often referred to as "1099 employees"), or some railroad workers. Covered employment data is from the Oregon Employment Department.

Total employment includes all workers based on data from the US Department of Commerce. Total employment includes all covered employees, plus sole proprietors and other noncovered workers.

Exhibit 7. Estimated Total Employment by Sector, Newberg UGB, 2018

	Covered Employment	Estimated Total Employment	Covered % of Total
Natural Resources	72	72	100%
Utilities	34	76	45%
Construction	459	662	69%
Manufacturing	2,085	2,324	90%
Wholesale Trade	99	140	71%
Retail Trade	1,083	1,441	75%
Transportation and Warehousing	88	196	45%
Information	62	105	59%
Finance and Insurance	181	365	50%
Real Estate and Rental and Leasing	105	796	13%
Prof., Sc., and Tech. Services; Mgmt of Comp.	219	544	40%
Admin. and Support and Waste Mgmt and Remed. Serv.	139	268	52%
Health Care and Social Assist.; Priv. Edu.	2,441	3,234	75%
Arts, Entertainment, and Recreation	54	150	36%
Accommodation and Food Services	1,292	1,459	89%
Other Services (except Public Administration)	387	701	55%
Government	875	933	94%
Total Non-Farm Employment	9,675	13,466	72%

Source: 2018 covered employment from confidential Quarterly Census of Employment and Wage (QCEW) data provided by the Oregon Employment Department.

Employment Projection

The employment forecast covers the 2021 to 2041 period, requiring an estimate of total employment for Newberg in 2021. The base employment starts with the estimate of 13,466 total jobs in Newberg in 2018, shown in Exhibit 7.

Newberg does not have an existing employment forecast, and there is no required method for employment forecasting. OAR 660-024-0040(9) sets out some optional “safe harbors” that allow a city to determine employment land need.

Newberg is relying on the safe harbor described in OAR 660-024-0040(9)(a)(B), which allows the City to assume that the current number of jobs in the Newberg UGB will grow during the 20-year planning period at a rate equal to the population growth rate provided in the most recent forecast published by Portland State University’s Oregon Population Forecast Program. The latest forecast shows that population in Newberg will grow at an average annual growth rate of 1.39%.³⁶

Exhibit 8 shows employment growth in Newberg between 2021 and 2041, based on the assumption that the city will grow at an average annual growth rate of 1.39%. Newberg will

³⁶ Final Population Forecasts prepared by Population Research Center, Portland State University, June 30th, 2020.

have 18,486 employees within the UGB by 2041, which is an increase of 4,452 employees (32%) between 2021 and 2041.

Exhibit 8. Employment Growth in Newberg UGB, 2021–2041

Year	Total Employment
2021	14,034
2041	18,486
Change 2021 to 2041	
Employees	4,452
Percent	32%
AAGR	1.39%

Source: ECONorthwest.

Allocate Employment to Different Land Use Types

The next step in forecasting employment is to allocate future employment to broad categories of land use. Firms wanting to expand or locate in Newberg will look for a variety of site characteristics, depending on the industry and specific circumstances. We grouped employment into four broad categories of land use based on the North American Industrial Classification System (NAICS): industrial, retail commercial, office and commercial services, and government.

Exhibit 9 shows the expected share of employment by land use type in 2021 and the forecast of employment growth by land use type in 2041 in the Newberg UGB. For each land use type, we assumed that the *share* of total employment will decrease, except for industrial employment, which will increase to a similar share of Newberg’s employment as in 2008. Exhibit 9 shows the following changes in the mix of employment:

- Industrial.**³⁷ Industrial employment is forecast to increase to 32% of employment by 2041, resulting in 2,407 new jobs. This change is based on expected implementation of the City’s economic development vision in the City’s adopted economic development strategy and community vision. In *A NewBERG Community Vision* and the *Newberg Economic Development Strategy Update*, Newberg assessed their community economic development potential and developed the community’s vision for economic development (consistent with OAR 660-009-0015[5]). These documents state Newberg’s economic development objectives, which include strong policies for the development of industrial employment (consistent with OAR 660-009-0020[1]).³⁸

³⁷ Industrial employment includes employment in the following NAICS sectors: construction, natural resources, manufacturing, wholesale trade, transportation and warehousing, and utilities.

³⁸ The City adopted *A NewBERG Community Vision* in August 2019 and the *Newberg Economic Development Strategy Update* in November 2019.

The City's first economic development goal is enhancing industrial development capabilities and opportunities. The strategies to implement this goal are:

- building traded-sector industries (discussed later in the EOA as potential growth industries),
- retaining, expanding, and recruiting traded-sector industrial companies,
- participating in economic development partnerships,
- increasing the supply of industrial land,
- ensuring adequate infrastructure to support growth,
- and improving transportation access for industrial land.

The *Newberg Economic Development Strategy Update* provides details about the implementation of each of these strategies, including actions that the City will complete over the next three years, partners, funding, staff resources, and metrics to measure success. The City has started to implement several of these actions, including Urban Renewal and seeking redevelopment opportunities, such as the former WestRock Mill site. In addition, Newberg's Comprehensive Plan Economic Element includes policies about encouraging growth of jobs that allow people to live and work in Newberg, supporting industrial growth, encouraging a diversity of industrial businesses, and preserving large industrial sites for future industrial uses.

The forecast in Exhibit 9 assumes that Newberg will be successful in achieving its economic development aspirations. In 2008, 35% of employment in Newberg was industrial.³⁹ Newberg has been losing employment in manufacturing since 2008, in part because the city does not have sites that manufacturers can grow into, as documented in other parts of the EOA. This forecast assumes that the City successfully implements its economic development strategy and that industrial employment grows faster than other employment in Newberg.

- **Retail Commercial.**⁴⁰ Retail employment is expected to decrease from 11% of all employment in Newberg to 9% by 2041. The basis for this change is the national trend to purchasing retail goods online.
- **Office & Commercial Services.**⁴¹ Office employment is expected to account for more than 1,000 new jobs or 53% of employment in Newberg by 2041. In 2008, office and commercial service employment accounted for 45% of employment. By 2041, the forecast shows office and commercial services accounting for 53% of employment, with

³⁹ Oregon Employment Department Quarterly Census of Employment and Wages data for Newberg.

⁴⁰ Retail employment includes employment in the following NAICS sector: retail trade.

⁴¹ Office and commercial services employment includes employment in the following NAICS sectors: information, finance, and insurance; real estate and rental and leasing; professional, scientific, and technical services; management of companies and enterprises; administrative and support and waste management and remediation services; private education; health care and social assistance; arts, entertainment, and recreation; accommodation and food services; and other services (except public administration).

industrial employment growing at a faster rate than office and commercial services. The types of industries in office and commercial services that are expected to grow in the next 20 years include health-care services and tourism-related industries such as accommodation and food services.

- **Government.**⁴² Government employment is expected to grow by more than 100 jobs, with most new jobs in K–12 schools and public administration.

Exhibit 9. Forecast of Employment Growth by Land Use Type, Newberg UGB, 2021–2041

Land Use Type	2021		2041		Change 2021 to 2041
	Employment	% of Total	Employment	% of Total	
Industrial	3,509	25%	5,916	32%	2,407
Retail Commercial	1,544	11%	1,664	9%	120
Office & Commercial Services	7,999	57%	9,798	53%	1,799
Government	982	7%	1,108	6%	126
Total	14,034	100%	18,486	100%	4,452

Source: ECONorthwest.

Note: The shaded percentages denote an assumption about the future change in the share of employment (as a percent of total) by land use type.

Estimate of Demand for Commercial Land

This section shows demand for vacant (including potential infill) commercial land in Newberg over the 20-year period. Need for new land for government uses, such as schools, new infrastructure (e.g., water facilities), and government offices will be addressed through a separate analysis of land needed for public and semipublic uses. Need for new land for industrial uses is addressed later in this chapter through a separate analysis.

The assumptions used in this analysis are:

- **Employment located in residential plan designations.** According to QCEW data, some employment in Newberg in 2018 was located on land designated for residential uses. The amount of commercial employment located in residential plan designations was 15.8%. This may include uses such as corner stores, other retail in neighborhoods, medical offices, or small personal-service businesses (e.g., banks or hair stylists).

Exhibit 10 shows that the percentage of new employment locating in residential land designations will remain the same over the 20-year period for commercial uses (15.8%).

- **Employment located in existing built space.** Some employment may locate in existing built space, through adding capacity in an existing business (e.g., adding a desk to an existing office) or occupancy of vacant built space. Exhibit 10 shows that 10% of commercial employment of new employment growth will occur in existing built space.

⁴² Government employment includes any employment in any sector where the employer is local, state, or federal government.

Exhibit 10. Estimated Commercial Employment Growth Accommodated in Residential Plan Designations and Existing Built Space, Newberg UGB, 2021–2041

Land Use Type	New Employment Growth	Emp. In Res. Designations	Emp. In Existing Built Space	New Emp. on Vacant Land
Retail Commercial	120	19	12	89
Office & Commercial Services	1,799	284	180	1,335
Total	1,919	303	192	1,424

Source: ECONorthwest.

- Employment density.** Employees per acre is a measure of employment density based on the ratio of the number of employees per acre of employment land that is developed for employment uses. An empirical analysis of Newberg’s existing commercial employment conducted by ECONorthwest showed that retail commercial sites have an average of 16 employees per acre and office and commercial services sites have an average of 22 employees per acre.⁴³

Using the existing employment densities as a baseline, while also considering Newberg’s future development goals and policies, Exhibit 11 assumes the net employees per acre: retail commercial will have an average of 16 employees per acre and office and commercial services will have an average of 22 employees per acre. These employment densities are consistent with employment densities in Oregon cities similar in size to Newberg. Some types of employment will have higher employment densities (e.g., a multistory office building), and some will have lower employment densities (e.g., a convenience store with a large parking lot).

- Conversion from net to gross acres.** The data about employment density is in net acres, which does not include land for public right-of-way. Future land need for employment should include land in tax lots needed for employment plus land needed for public right-of-way. One way to estimate the amount of land needed for employment, including public right-of-way, is to convert from net to gross acres based on assumptions about the amount of land needed for public right-of-way.⁴⁴ A net-to-gross conversion is expressed as a percentage of gross acres that are in public right-of-way.

Based on empirical evaluation of Newberg’s existing net-to-gross ratios, ECONorthwest uses a net-to-gross conversion factor of 16% for commercial uses.

⁴³ This analysis considered a sample of existing businesses in Newberg, accounting for 31% of existing commercial employment in Newberg. The results were generally consistent with ECONorthwest’s analysis of employment densities in other cities across Oregon.

⁴⁴ OAR 660-024-0010(6) defines “net buildable acre” as 43,560 square feet of residentially designated buildable land after excluding future rights-of-way for streets and roads. While the administrative rule does not include a definition of a gross buildable acre, using the definition above, a gross buildable acre will include areas used for rights-of-way for streets and roads. Areas used for rights-of-way are considered unbuildable.

Using these assumptions, the forecasted growth of 1,424 new commercial employees will result in the demand for vacant (and potential infill) employment land, including 7 acres of retail commercial land and 76 gross acres of office and commercial services land.

Exhibit 11. Demand for Vacant Land to Accommodate Employment Growth, Newberg UGB, 2021-2041

Land Use Type	New Emp. on Vacant Land	Employees per		Land Demand (Net Acres)	Land Demand (Gross Acres)
		Acre (Net Acres)			
Retail Commercial	89	16		6	7
Office & Commercial Services	1,335	22		62	76
Total	1,424			68	83

Source: ECONorthwest.

Site Characteristics for Commercial Land

Commercial businesses have a variety of space needs and site characteristic needs, including the following:

- **Space in an existing building.** Businesses would be located as one of several or many firms within the building. The size of needs may be a few hundred square feet for a single office or many thousands of square feet for larger commercial uses.
- **Land for construction of a building designed for the firm.** The size of sites for commercial buildings typically range from sites smaller than 0.5 acres to sites of approximately 5 acres.
- **Land for construction of a commercial center.** Some businesses may prefer to locate in commercial centers ranging in size from 1 to 3 acres, or they may prefer larger community commercial centers ranging in size from 10 to 40 acres.
- **Visibility of location.** Retail, service, and hospitality commercial uses often require sites with highly visible locations, often near other businesses or residential neighborhoods.
- **Proximity/access to a major automotive route.** Commercial businesses seek sites that are located on neighborhood streets with access to arterial or major collector streets and easy access to a state highway (or equivalent). Large-scale commercial users would likely avoid sites that would force their traffic to be routed through residential neighborhoods.

Estimate of Demand for Industrial Land

This section shows demand for vacant (or potential infill) industrial land in Newberg over the 20-year period. Building from the number of new industrial employees shown in Exhibit 9, the analysis for needed land for these 2,407 new employees includes considerations for Newberg's potential growth industries and the site needs for those industries. The analysis also uses average site sizes for comparable cities in the Willamette Valley to better align Newberg's potential growth industries with the types of sites needed. This section ends with an estimate (in terms of acreage) of the industrial land need.

Potential Growth Industries

The characteristics of Newberg will affect the types of businesses most likely to locate in the city. Newberg's attributes that may attract firms are access to workforce, public infrastructure, and quality of life.

Newberg's existing businesses are concentrated in the industries defined in Exhibit 12. The industries in **green highlight** are industries with a high location quotient (i.e., highly specialized compared to industry employment in the United States), high employment (i.e., have more than 50 employees in Newberg), and higher-than-average city wages. These industries have the highest potential for growth, given existing businesses and the higher concentration of employment.

Newberg also has opportunities for employment growth in industries without a concentration of employment or a high location quotient.

Exhibit 12. Concentration of Industries and Employment, Newberg and U.S., 2018

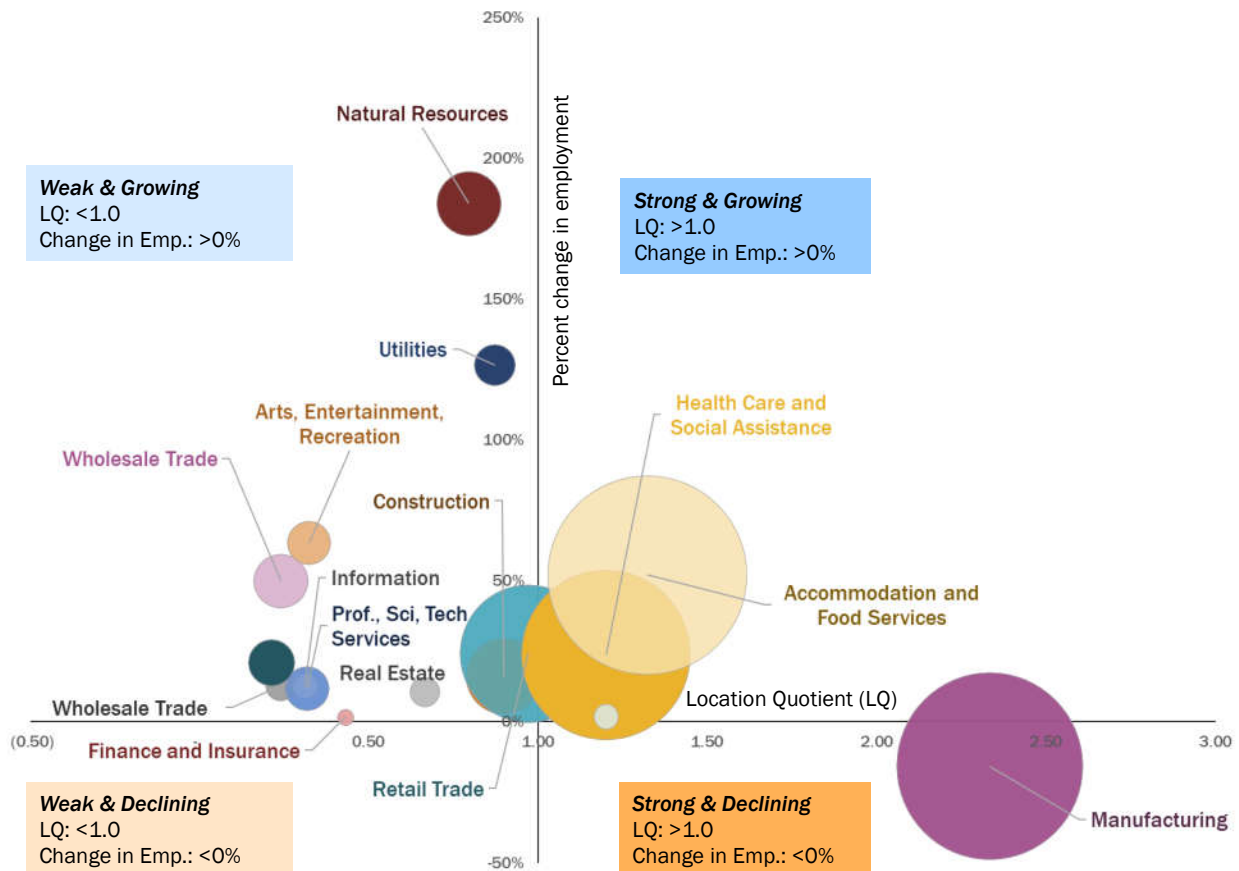
	High Employment (more than 50 employees)	Low Employment (at least 10 employees)
High Location Quotient	<ul style="list-style-type: none"> ▪ Construction of Buildings ▪ Plastics and Rubber Products Manufacturing <li style="background-color: #e0ffe0;">▪ Fabricated Metal Product Manufacturing <li style="background-color: #e0ffe0;">▪ Machinery Manufacturing ▪ Furniture and Related Product Manufacturing <li style="background-color: #e0ffe0;">▪ Motor Vehicle and Parts Dealers ▪ Miscellaneous Store Retailers ▪ Transit and Ground Passenger Transportation ▪ Nursing and Residential Care Facilities ▪ Food Services and Drinking Places ▪ Religious, Grantmaking, Civic, Professional, and Similar Organizations ▪ Private Households 	<ul style="list-style-type: none"> ▪ Support Activities for Agriculture and Forestry ▪ Beverage and Tobacco Product Manufacturing ▪ Electronics and Appliance Stores ▪ Motion Picture and Sound Recording Industries
Low Location Quotient	<ul style="list-style-type: none"> ▪ Specialty Trade Contractors ▪ Building Material and Garden Equipment and Supplies Dealers ▪ Food and Beverage Stores ▪ Gasoline Stations ▪ Credit Intermediation and Related Activities ▪ Insurance Carriers and Related Activities ▪ Real Estate ▪ Professional, Scientific, and Technical Services ▪ Administrative and Support Services ▪ Ambulatory Health-Care Services ▪ Social Assistance ▪ Amusement, Gambling, and Recreation Industries ▪ Repair and Maintenance 	<ul style="list-style-type: none"> ▪ Heavy and Civil Engineering Construction ▪ Transportation Equipment Manufacturing ▪ Merchant Wholesalers ▪ Wholesale Electronic Markets and Agents and Brokers ▪ Furniture and Home Furnishings Stores ▪ Health and Personal Care Stores ▪ Clothing and Clothing Accessories Stores ▪ Sporting Goods, Hobby, Musical Instrument, and Bookstores ▪ Truck Transportation ▪ Support Activities for Transportation ▪ Publishing Industries (except Internet) ▪ Securities, Commodity Contracts, and Other Financial Investments and Related Activities ▪ Personal and Laundry Services ▪ National Security and International Affairs

Source: National employment from the US Bureau of Labor Statistics and Oregon Employment Department, Quarterly Census of Employment and Wages, 2018.

Note: Green highlighting indicates higher than Newberg's average wage.

Exhibit 13 shows the change in employment in Newberg between 2008 and 2018 relative to the location quotients for sectors in 2018, compared to national employment. Manufacturing, health care, and accommodation and food services each have more than 300 employees and are more specialized sectors when compared to the nation (i.e., have higher location quotients).

Exhibit 13. Change in Employment and Concentration of Sectors Compared to the US Average, Newberg, 2008–2018



Source: US Bureau of Labor Statistics and Oregon Employment Department, Quarterly Census of Employment and Wages, 2008–2018.

An analysis of growth industries in Newberg should address two main questions: (1) Which industries are most likely to be attracted to Newberg? and (2) Which industries best meet Newberg’s economic development goals? The selection of potential growth industries is based on Newberg’s goals for economic development, economic conditions in Newberg and Yamhill County, and the city’s competitive advantages.

Given the current employment base, which is composed of small-sized businesses, it is reasonable to assume that much of the city’s business growth will come from small-sized businesses. This growth will either come from businesses already in Newberg or new businesses that start or relocate to Newberg from within the Willamette Valley region or from outside of the region.

The *Newberg Economic Development Strategy* identified key traded-sector industries to target for growth in Newberg. The industries below build from those potential growth industries, reorganizing them slightly and adding examples of each type of industry. These industries are the types of industries that Newberg’s *Economic Development Strategy* calls for growth of, with examples of the specific types of businesses that may locate in Newberg, though not intended to

be an all-inclusive list. While the EOA focuses on these potential target industries, the target industries are illustrative of the types of industries that may locate in Newberg and are not meant to exclude growth of businesses in other industries. Other traded-sector industries and local-serving industries may grow in Newberg over the planning period.

- **Advanced and General Manufacturing.** Examples of businesses in this industry may include dental and medical equipment; machine shops; and storage, logistics, and distribution.
- **Technology and High-Tech Manufacturing.** Examples of businesses in this industry may include electronics and software, semiconductors, and health or medical information.
- **Food/Beverage Processing and Agricultural Products.** Examples of businesses in this industry may include farming and value-add food manufacturing.
- **Forestry and Wood Products.** Examples of businesses in this industry may include forest management, lumber and logs, and mass plywood panel or cross-laminated timber production.
- **Aviation-Related Industries.** Examples of businesses in this industry may include specialty aircraft equipment, air travel and tourism, and parts machining and repair.

Site Needs for Potential Growth Industries

OAR 660-009-0015(2) requires the EOA to “identify the number of sites by type reasonably expected to be needed to accommodate the expected [20-year] employment growth based on the site characteristics typical of expected uses.” The Goal 9 rule does not specify how jurisdictions conduct and organize this analysis.

The rule, OAR 660-009-0015(2), does state that “[i]ndustrial or other employment uses with compatible site characteristics may be grouped together into common site categories.” The rule suggests, but does not require, that the City “examine existing firms in the planning area to identify the types of sites that may be needed.” For example, site types can be described by (1) plan designation (e.g., heavy or light industrial), (2) general size categories that are defined locally (e.g., small, medium, or large sites), or (3) industry or use (e.g., manufacturing sites or distribution sites). For purposes of the EOA, Newberg groups its future industrial employment uses into categories based on potential growth industries defined in the previous section. These potential growth industries align with relevant industries identified in the Industrial Development Competitiveness Matrix developed by Business Oregon (Exhibit 14).⁴⁵ The relevant Business Oregon industries are listed in the columns of the table, and Newberg’s potential growth industries are listed in the rows of the table.

⁴⁵ Note that the Business Oregon Industrial Development Competitiveness Matrix (2015) includes more industries than those listed in the columns in Exhibit 14.

Exhibit 14. Comparison of Newberg’s Potential Growth Industries (2019) and Industries Shown in the Business Oregon Industrial Development Competitiveness Matrix (2015)

Industry	High Tech	Food Proc.	Adv. Mfg.	Gen. Mfg.	Ind. Bus. Park	Reg. Warehouse	Local Warehouse	Specialized
Advanced + General Manufacturing	✓		✓	✓	✓			✓
Food/Beverage Processing + Agriculture Products		✓	✓				✓	
Forestry + Wood Products			✓	✓	✓		✓	
Tech + High Tech Manuf.	✓		✓		✓			✓
Aviation-Related Industries			✓	✓	✓			✓

Source: Business Oregon, Infrastructure Finance Authority, “Industrial Development Competitiveness Matrix” (2015); Newberg Economic Development Strategy (2019).

The primary purpose of Business Oregon’s Industrial Development Competitiveness Matrix is to define typical characteristics and general requirements of sites for traded-sector industries. Exhibit 14 aligns the industries described in the matrix with Newberg’s potential growth industries, and Exhibit 15 matches the characteristics of sites from the matrix with those potential growth industries. Site characteristics relevant to this analysis include site size, slope, railroad access, highway access, and special utility needs. The Business Oregon matrix defines competitive acreage as “acreage that would meet the site selection requirements of the majority of industries in this sector.”⁴⁶

⁴⁶ Business Oregon, Infrastructure Finance Authority, “Industrial Development Competitiveness Matrix” (2015).

Exhibit 15. Site Characteristics for Newberg’s Potential Growth Industries

Based on matching industries listed in the Business Oregon Industrial Development Competitiveness Matrix.

Site Characteristics	Advanced + General Manufacturing	Food/Beverage Processing + Agriculture Products	Forestry + Wood Products	Tech + High Tech Manuf.	Aviation-Related Industries
Site Size (competitive acres)	5-25+	5-25+	5-25+	5-100+	5-25+
Slope	0 to 7%	0 to 5%	0 to 7%	0 to 5%	0 to 7%
Railroad Access	Preferred	Preferred	Preferred	Preferred	<i>Depends on specific industry</i>
Highway Access (mi. to interstate)	within 20	within 30	within 5-20	within 60	within 20 (or n/a)
Special Utility Needs	Electricity redundancy dependency; Higher demand for electricity, gas, and telecom	High pressure water dependency	<i>Depends on specific industry</i>	High pressure water dependency; Very high utility demands	<i>Depends on specific industry</i>

Source: Business Oregon, Infrastructure Finance Authority, “Industrial Development Competitiveness Matrix” (2015); Newberg Economic Development Strategy (2019).

Note: Items identified as “preferred” are those that increase the feasibility of the subject property and its future reuse. Items identified as “required” are factors seen as mandatory in the vast majority of cases and have become industry standards.

Demand for Industrial Land

The potential growth industries shown above are all traded-sector industries, most of which generally locate on industrial land. Newberg has a modest supply of vacant and potential infill industrial land, with only 51 unconstrained vacant or potential infill acres in the buildable lands inventory (Exhibit 25 and Exhibit 26). Newberg has one vacant industrial site larger than 10 acres, with the majority of vacant industrial land on sites smaller than 5 acres.

Exhibit 15 shows that Newberg’s potential growth industries generally need land on sites between 5 and 25 acres, with some potential demand for sites up to 100 acres. Given that Newberg does not currently have the land base to support the site needs required for growth of the potential growth industries, this analysis examines the developed land base for other cities within the mid-Willamette Valley to better understand the typical characteristics of sites with

industrial development.⁴⁷ This section concludes with a forecast of industrial land demand based on the average characteristics of developed sites in the sample cities.

Characteristics of Developed Sites with Industrial Site Employment in the Mid-Willamette Valley

This analysis examined the site size and existing employment for the cities of Albany, Corvallis, McMinnville, Newberg, Salem, and Woodburn.⁴⁸ We selected these cities for the following reasons:

- They are located within the Mid-Willamette Valley, between Corvallis and the southern part of the Portland area. Cities within the southern part of the Portland area were considered in this analysis but were excluded because their planning framework, within the Metro Urban Growth Boundary (UGB), is substantially different from Newberg’s planning framework. In addition, cities in the Portland Metro UGB are closely tied to the Portland region’s economy.
- They have populations greater than 20,000, which means that they are likely to have a substantial employment base.
- They have substantial industrial employment or policies to develop industrial employment of the type that Newberg aspires to. These types of industrial employment generally have at least average wages (and often higher than average wages) and provide opportunities for people to live and work in the same city, which is a concern for Newberg.⁴⁹
- We determined that cities in the Portland Metro UGB should not be included in this analysis, as they are closely tied to the Portland region’s economy. These types of industrial employment generally have at least average wages (and often higher-than

⁴⁷ SECOR provided an example of a project inquiry they regularly receive through Business Oregon’s recruitment and development team (about 1–2 inquiries per month):

CAPEX: \$100–200M

Jobs: 100–200

Site: 20–40 acres with potential for up to 75 acres (they are working to narrow this range as they evaluate configurations)

Power: 200–300MW constant pull

Water: 1,000,000 kg/day

Site selection timeline: Decision in Q2 2021

Operational timeline: Facility start in 2023 and minimum 20-year operational lifespan with likely extension of additional 10–30 years

⁴⁸ Information for Salem is for the portion of Salem city limits within the Salem-Keizer UGB.

⁴⁹ The one city of 20,000 or more people between Corvallis and the southern edge of the Portland area that was excluded from this analysis is Keizer. The reason for exclusion is that Keizer does not have substantial industrial employment (fewer than 570 employees or 7% of employment in Keizer), in part as a result of rezoning their industrial land to commercial uses. We conclude that Keizer’s land base, in terms of providing opportunities for industrial development, is significantly different from either other cities in this analysis or the type of development that Newberg aspires to.

average-wages) and provide opportunities for people to live and work in the same city, which is a concern for Newberg. While the size of these cities (in terms of population) varies substantially, the size of the city is less relevant than the city’s industrial land base and economic development aspirations.

The analysis in Exhibit 16 through Exhibit 19 is based on the following information and assumptions:

- **Site location.** We selected lots within each city’s UGB (or city limits for Salem) that are not located in rights-of-way and had industrial employment on the lot (Exhibit 16).
- **Industrial employment.** We selected sites with industrial employment based on 2018 covered employment data from the Oregon Employment Department’s Quarterly Census of Employment and Wages (Exhibit 17). Since some sites have a mix of types of employment on one parcel (e.g., industrial and commercial), we only included sites where the majority of employment was industrial (75% or more).
- **Site size.** We categorized sites for this analysis into the following site sizes: smaller than 5 acres, 5–25 acres, 25–50 acres, and 50+ acres and calculated the average site size within each category (Exhibit 18). These size categories align with those used in the Business Oregon Industrial Development Competitive Matrix (Exhibit 14).
- Exhibit 19 Provides a summary of the analysis for the selected cities. We used these characteristics to inform the number of needed sites for industrial land in Newberg.

Exhibit 16. Number of Sites with Industrial Employment by Site Size in Selected Cities within the Mid-Willamette Valley Region.

Analysis based on averages of industrial employment at sites in the following cities: Albany, Corvallis, McMinnville, Newberg, Salem, and Woodburn.

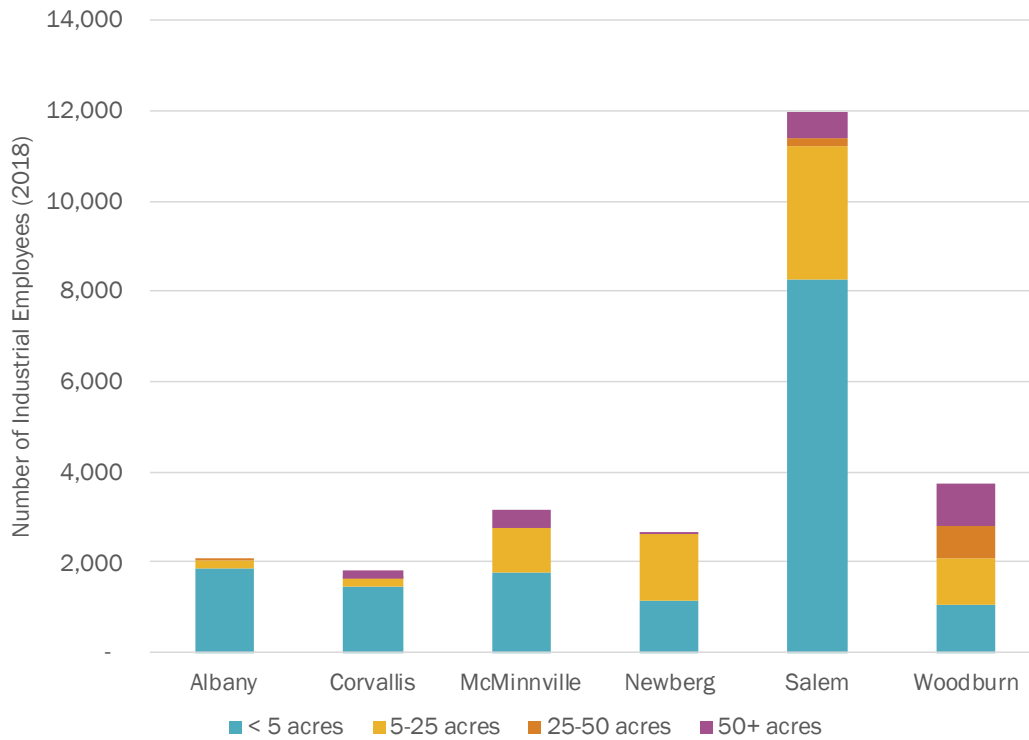
City	Site Size (acres)			
	< 5 acres	5-25 acres	25-50 acres	50+ acres
Albany	205	6	1	
Corvallis	131	6	2	3
McMinnville	147	13		1
Newberg	113	7		1
Salem*	628	33	4	2
Woodburn	106	11	3	2
Total	1,330	76	10	9

*City limits only

Source: Oregon Employment Department’s Quarterly Census of Employment and Wages; County and City-level parcel data sets; Analysis by ECONorthwest.

Exhibit 17. Industrial Employees by Site Size in Selected Cities within the Mid-Willamette Valley Region

Analysis based on averages of industrial employment at sites in the following cities: Albany, Corvallis, McMinnville, Newberg, Salem, and Woodburn.



Source: Oregon Employment Department’s Quarterly Census of Employment and Wages; County and City-level parcel data sets; Analysis by ECONorthwest.

Exhibit 18. Average Site Size (in Acres) by Site Size in Selected Cities within the Mid-Willamette Valley Region

Analysis based on averages of industrial employment at sites in the following cities: Albany, Corvallis, McMinnville, Newberg, Salem, and Woodburn.

City	Site Size (acres)			
	< 5 acres	5-25 acres	25-50 acres	50+ acres
Albany	0.7	7.5	29.9	
Corvallis	1.0	9.1	38.3	123.0
McMinnville	0.8	8.5		82.5
Newberg	0.6	7.9		145.2
Salem*	0.7	9.8	34.8	58.1
Woodburn	0.8	10.3	33.0	78.2
Average	0.7	9.2	34.5	96.6

*City limits only

Source: Oregon Employment Department’s Quarterly Census of Employment and Wages; County and City-level parcel data sets; Analysis by ECONorthwest.

Exhibit 19. Characteristics of Industrial Sites and Employment by Site Size for Selected Cities within the Mid-Willamette Valley Region

Analysis based on averages of industrial employment at sites in the following cities: Albany, Corvallis, McMinnville, Newberg, Salem, and Woodburn.

Characteristic	Site Size (acres)			
	< 5 acres	5-25 acres	25-50 acres	50+ acres
Land with industrial employment				
Acres of land	979	703	345	869
Number of sites	1,330	76	10	9
Average site size (acres)	0.7	9.2	34.5	96.6
Existing covered employment on industrial land				
Employees	15,536	6,821	975	2,021
Percent of employment by site size	61%	27%	4%	8%
Average employees per site	12	90	98	225

Source: Oregon Employment Department's Quarterly Census of Employment and Wages; County and City-level parcel data sets; Analysis by ECONorthwest.

Forecast of Demand for Industrial Land in Newberg

Exhibit 9 shows that Newberg will have an increase of 2,407 employees on industrial land between 2021 and 2041. The potential growth industries defined above will generally need sites between 5 and 25 acres, and some will need larger or smaller sites. Our calculation of demand for industrial land accounts for specific site considerations for potential growth industries for industrial uses.

First, we reviewed the mix of industrial sites, and industrial employment⁵⁰ on these sites, in the Willamette Valley region in cities comparable to Newberg, summarized in Exhibit 19. Exhibit 20 shows the key assumption resulting from the analysis of regional averages for industrial employment and site size.

Exhibit 20. Regional Industrial Employment and Site Size

Analysis based on averages of industrial employment at sites in the following cities: Albany, Corvallis, McMinnville, Newberg, Salem, and Woodburn.

	Site Size (acres)			
	Less than 5 acres	5-25 acres	25-50 acres	50 and more
Percent of Existing Employment	61%	27%	4%	8%
Number of Industrial Employees per Site	12	90	98	225
Average Site Size (Acres)	0.7	9.2	34.5	96.6

Source: Oregon Employment Department's Quarterly Census of Employment and Wages; County and City-level parcel data sets; Analysis by ECONorthwest.

⁵⁰ Industrial employment includes employment in the following sectors: manufacturing; construction; utilities; wholesale trade, transportation and warehousing; and agricultural and forestry services.

Using the information presented in Exhibit 20, we estimate the industrial land need for Newberg industrial employment between 2021 and 2041. Exhibit 21 shows the results of this analysis.

- **Employment by site size.** This assumption starts with the forecast of 2,407 industrial employees on industrial land. It uses the “percent of existing employment” in Exhibit 20 to estimate how much employment will be in each site size category. For example, 27% of industrial employment in the regional analysis (Exhibit 19) was on sites of 5 to 25 acres. In Exhibit 21, we assume that 27% of the 2,407 new industrial employees (650 employees) will be located on sites of 5 to 25 acres.
- **New sites needed.** This assumption starts with the average number of employees per site in Exhibit 19 and divides the number of employees in Newberg by that site size. For example, on sites of 5 to 25 acres, the regional analysis in Exhibit 19 shows that there were 90 employees per site. This analysis divides the number of new industrial employees (650) by the average number of employees per site (90) to show a need for 7 new sites needed.
- **New land needed.** This assumption starts with the average size of sites in the regional analysis in Exhibit 19 and multiplies the number of needed sites by that size. For example, the average size of sites 5 to 25 acres was 9.2 acres in Exhibit 19. Newberg needs 7 sites in this size group, resulting in the need for 64 acres of land at an average site size of 9.2 acres.

The result of this analysis is a need for 131 sites on about 277 acres to accommodate the 2,407 new employees.

Exhibit 21. Industrial Land Need, Newberg UGB, 2021–2041

*Analysis based on the averages of industrial employment.

	Site Size (acres)				Total
	Less than 5 acres	5-25 acres	25-50 acres	50 and more	
New Employment by Site Size					
Percent of New Employment*	61%	27%	4%	8%	100%
Number of New Industrial Employees	1,468	650	96	193	2,407
New Sites Needed					
Employees per Site*	12	90	98	225	
New Sites Needed in Newberg	122	7	1	1	131
New Land Needed					
Average Site Size*	0.7	9.2	34.5	96.6	
Acres of Land in Newberg (Acres)	85	64	35	97	281

Source: Oregon Employment Department’s Quarterly Census of Employment and Wages; County and City-level parcel data sets; Analysis by ECONorthwest.

Characteristics of Sites for Potential Growth Industries

This section builds on the discussion of site needs from Exhibit 15. Exhibit 21 shows that Newberg will need 9 sites larger than 5 acres for potential growth industries. The Goal 9 Administrative Rule (OAR 660-009) requires the City to identify the “site characteristics of sites needed to accommodate industrial and other employment uses to implement plan policies” (OAR 660-009-0020(1); -0025[1]). The administrative rule defines site characteristics as follows in OAR 660-009-0005(11):

(11) "Site Characteristics" means the attributes of a site necessary for a particular industrial or other employment use to operate. Site characteristics include, but are not limited to, a minimum acreage or site configuration including shape and topography, visibility, specific types or levels of public facilities, services or energy infrastructure, or proximity to a particular transportation or freight facility such as rail, marine ports and airports, multimodal freight or transshipment facilities, and major transportation routes.

Newberg has identified the following types of manufacturing target and traded-sector industries: advanced and general manufacturing; technology and high-tech manufacturing; food/beverage processing and agricultural products; forestry and wood products; and aviation related industries.

The following summarizes a range of the site characteristics Newberg should seek when identifying the sites that will address its employment land deficit, in terms of the Oregon Court of Appeals’ opinion in *Friends of Yamhill County v. City of Newberg*, 62 Or LUBA 5 (2010), *aff’d* 240 Or App 738 (2011).

- **Site size/minimum acreage.** Sites for manufacturing and traded-sector firms range in size from 5 acres up to more than 100 acres for large-scale industrial firms. Business Oregon, the State of Oregon’s economic development agency, has studied the site needs of these industries and determined that competitive sites for most of Newberg’s potential growth industries are 5 to 25 acres in size (Exhibit 15). Competitive sites for technology and high-tech manufacturing require 5 to 100-acre sites.

For the operations of a manufacturing firm to be successful, its site needs to be large enough to accommodate the needed built space, as well as to accommodate storage. In addition, the site needs to be large enough to accommodate not only the general industrial uses, but also parking, on-site circulation, connections to public transportation, landscaping, rail connections, and other access to the transportation network.

There is ample evidence that businesses have relocated or expanded outside of Newberg because they were unable to find sites big enough to support the successful operation within Newberg. Examples of such firms include Polymax, NW Alpine, Halstead Cabinets, Advance Machinery, and Aviatrix. A number of these firms searched for expansion sites within Newberg and only moved or expanded to sites outside of Newberg after they were unable to find a suitable, big enough site within Newberg.

- **Land ownership.** Sites with two or fewer owners are necessary to reduce the cost and uncertainty of land assembly. Developing an industrial building on a site on two or more tax lots requires negotiating land assembly. Land assembly is difficult and often costly for a number of reasons. People own land for a variety of reasons, such as the desire to develop the land, keep the land undeveloped, or sell the land for a profit. Getting landowners to sell land can be difficult, especially if the ownership is legally disputed, as is the case with some inheritances. If a landowner is a willing seller, they may have an unrealistic expectation of their land's value, in the context of comparable land values. In addition, one parcel of land may have multiple owners, compounding the issues described above.

Developers attempting land assembly often have difficulty assembling a site at a cost that makes development economically viable. When assembling land, developers often find that owners of key sites are not willing sellers, have unrealistic expectations of the value of their land, or cannot get agreement among multiple owners to sell the land. As a result, developers of industrial buildings typically choose to develop sites with one or two owners.

- **Proximity/access to a major automotive route.** Manufacturers seek sites that are located on arterial or major collector streets with good access to a state highway (or equivalent). Manufacturers reject sites that would force their industrial traffic to be routed through residential neighborhoods.

Business Oregon has determined that manufacturing and industrial firms need to be located relatively close to an interstate highway or principle arterial road, with varying minimum proximity requirements depending upon the specific type of manufacturer, generally not exceeding 20 miles (Exhibit 15). Local experts indicate that close proximity to a freight route is typical for local manufacturers. Effective industrial operations rely on close proximity to an arterial or collector street to avoid conflicts with the community/residential areas by minimizing the amount of traffic on local streets and freight traffic in residential neighborhoods. More direct access to freight routes also improves the industry's mobility for efficient long-distance travel.

- **Topography/no or little slope.** Newberg considers a slope exceeding 7% to be a development constraint for purposes of identifying possible land for industrial employment. Business Oregon has determined all of the sectors on Newberg's list of potential growth industries select sites with a slope of 7% or less (Exhibit 15). Newberg has indicated that "no more than a 7% slope" would be an important site characteristic, if not treated as an actual development constraint, because the successful operation of industrial buildings requires level floor plates to reduce costs and offer maximum flexibility, as well as level areas to provide for freight access and pedestrian walkways that meet ADA standards. The real estate development literature describes the increases

in development costs and other difficulties associated with industrial development on a sloped site.⁵¹

- **Floodplains, geologic hazard areas, and stream corridors.** Newberg’s buildable land identifies areas in the floodway, in the floodplain, with geologic hazards, and areas within the Newberg Stream Corridor Overlay as unbuildable.⁵² Sites for new businesses should also consider areas with these constraints as unbuildable.
- **Compatible surrounding land uses.** Manufacturers reject sites located in areas where a manufacturing operation will be incompatible with surrounding uses (established or planned). OAR 660-009-0025(6) recognizes that compatibility is an important factor when locating new employment land. It strongly encourages cities to manage the encroachment and intrusion of incompatible uses with employment uses. Industrial buildings used for manufacturing are generally compatible with other industrial uses, commercial uses, and some public uses. Industrial uses may be compatible with agricultural uses, provided that the industrial use does not encroach on the agricultural uses. Industrial uses are able to operate efficiently where they are not in conflicts with adjacent land uses that could disrupt industrial business activity. Noise or odors from the manufacturing process and traffic from employees and shipping can cause conflicts with nearby residential uses. This could require a manufacturer to make changes that negatively impact its operations. For this reason, manufacturing firms require a location that does not present incompatibility concerns.

⁵¹ Peiser, Richard B. “Professional Real Estate Development: The ULI Guide to the Business,” Urban Land Institute, 1992.

⁵² Geologic hazards include data from Oregon DOGAMI on landslide susceptibility (“high” or “very high” classifications) and landslide hazards in the SLIDO database. Chapter 15.342 of the Newberg Development Code defines the Newberg Stream Corridor Overlay Subdistrict as a Goal 5 resource intended to “protect, conserve, enhance, and maintain the Willamette River Greenway.”

4. Buildable Lands Inventory

The buildable lands inventory is intended to identify commercial and industrial lands that are available for development for employment uses within the Newberg UGB. The inventory is sometimes characterized as *supply* of land to accommodate anticipated employment growth. Population and employment growth drive demand for land. The amount of land needed depends on the type of development and other factors.

This chapter presents results of the commercial and industrial buildable lands inventory for the Newberg UGB. The results are based on analyses of Yamhill County and State of Oregon GIS data by ECONorthwest and reviewed by City staff. The remainder of this chapter summarizes key findings of the buildable lands inventory.

The general steps in the buildable lands inventory are:

1. Generate UGB “land base”
2. Classify lands by development status
3. Identify constraints
4. Verify inventory results
5. Tabulate and map results

The next section provides a summary of the definitions used to develop the BLI, followed by the results of the commercial and industrial buildable lands inventory for the Newberg UGB in both tabular and map formats. **Appendix B presents the detailed methodology used for developing the inventory.**

Definitions

ECONorthwest developed the buildable lands inventory with a tax lot database from the Yamhill County Assessor/Tax Collector Department. Maps produced for the buildable lands inventory used a combination of GIS data, adopted maps, and visual verification to verify the accuracy of County data. The tax lot database was current as of July 2020. The inventory assigns only one land classification (e.g., vacant, potential infill, developed, public, or undevelopable) for each tax lot. The land classifications for consideration of buildable land result in identification of lands that are vacant or potential infill.

The inventory builds from the database to estimate buildable land per commercial and industrial plan designations. The following definitions were used to identify buildable land for inclusion in the inventory:

- *Vacant land.* Tax lots that have no structures or have buildings with very little value. For the purpose of this inventory, we reviewed all lands with no (\$0) improvement value as having potential to be considered vacant (not including lands that are identified as

having mobile homes).⁵³ Note that this definition is considerably more inclusive than what is required by OAR 660-009-0005(14). It includes all lots or parcels that are less than 0.5 acres and did not automatically classify lots between 0.5 and 5.0 acres as developed if they had preexisting development. Lots in that category were visually inspected to make a determination of whether they should be classified as developed or vacant.

- *Potential infill land.*⁵⁴ Tax lots where development has already occurred or has existing structures but could accommodate additional employment uses or more intensive uses during the planning period.⁵⁵

Potential infill land is a subset of developed land that was identified using size thresholds, aerial imagery verification, and local context. The verification process also determined which portions of the tax lot are available for infill development. For the purpose of the BLI, “potential infill” land corresponds with the definition of “developed land” as stated in OAR 660-009-0005(1) as described in Exhibit 59 in Appendix B.

- *Developed land.* Tax lots that are developed at densities consistent with current zoning/plan designations and improvements that make it unlikely to redevelop during the analysis period. Tax lots not classified as vacant, potential infill, public, or undevelopable are considered developed.⁵⁶ Note that OAR 660-009-0005(1) defines “developed land” as nonvacant land that is likely to be redeveloped during the planning period. This study defines developed land as developed and defines land “likely to be redeveloped” as potentially redevelopable. Thus, the definition of developed land used for the BLI is different (e.g., more inclusive) than the definition in the administrative rule.

For purposes of the Newberg BLI, developed land is considered committed during the 20-year period and unavailable for redevelopment; however, redevelopment potential on some land classified as developed is discussed in more detail later in this chapter.

- *Public or exempt land.* Tax lots on commercial or industrial plan designations that are in public ownership are mostly considered unavailable for private employment uses. This includes lands in Federal, State, County, City, or other public ownership. Public lands

⁵³ Note that this definition is more inclusive than what statewide planning policy requires. OAR 660-009-0005(14) provides the following definition: “Vacant Land” means a lot or parcel: (a) Equal to or larger than one half-acre not currently containing permanent buildings or improvements; or (b) Equal to or larger than five acres where less than one half-acre is occupied by permanent buildings or improvements. The implication of using a more inclusive definition are that more land was considered available in the inventory than would be if the state definitions were used.

⁵⁴ Previous materials used the term “partially vacant” for this land classification. While “partially vacant” is clearer for communication with the advisory committees and the public, the classification “infill” more accurately fits the definition of a subset of “developed land” described in OAR 660-009-0005.

⁵⁵ This definition is based on the definition in OAR 660-009-0005(1).

⁵⁶ Note that OAR 660-009-0005(1) defines “developed land” as nonvacant land that is likely to be redeveloped during the planning period. This study defines developed land as developed and defines land “likely to be redeveloped” as potentially redevelopable.

are identified using the Yamhill County Assessment property tax exemption codes and are verified by reviewing ownership.

- *Undevelopable land.* Tax lots that are too small to practically have an employment use (less than 3,000 square feet), buildable areas of tax lots (after removing constraints) that are less than 3,000 square feet, or inaccessible tax lots.

Development Constraints

Consistent with state guidance on buildable lands inventories, ECONorthwest deducted portions of commercial and industrial tax lots that fall within certain constraints from the vacant and potential infill lands (e.g., wetlands and steep slopes). We used categories consistent with OAR 660-009-0005(2):

- *Lands within floodplains and floodways.* Flood Insurance Rate Maps from the Federal Emergency Management Agency (FEMA) were used to identify lands in floodways and 100-year floodplains.
- *Land within natural resource protection areas.* The National Wetlands Inventory was used to identify areas within wetlands, and stream data from the City of Newberg was used to identify areas within the stream corridor.
- *Land within landslide hazards.* The DOGAMI SLIDO database and landslide susceptibility data sets were used to identify lands with landside hazards. ECONorthwest included lands with “very high” or “high” susceptibility to landsides in the constrained area.
- *Land with slopes over 15%.* Lands with slopes over 15% are considered unsuitable for commercial or industrial development.

After deducting constraints, vacant and potential infill lands that have remaining development capacity are classified as “buildable lands.”

Land Base

Exhibit 22 summarizes all land included in the employment land base (e.g., lands with plan designations that allow employment) in the Newberg UGB. ECONorthwest used this land base in the buildable lands analysis for Newberg. The land base includes the commercial and industrial plan designations within the Newberg UGB (as listed in Appendix B). Included in these areas are plan designations in Newberg’s master plan and specific plan districts—Springbrook Oaks, Springbrook District, and the Riverfront District. Of these areas, the Springbrook District provides specific information about the types of uses in each plan designation. The next section provides further discussion of this area.

According to 2020 data, within Newberg’s UGB there are about 917 acres in 767 tax lots in commercial, mixed-use, and industrial plan designations, and about 54 acres in 2 tax lots in employment plan designations in the airport.

Exhibit 22. Commercial and Industrial Acres in Newberg UGB, 2020

Plan Designation	Number of Taxlots	Total Taxlot Acreage	Percent (Total Acreage)
Commercial	353	266	27%
Commercial	338	163	17%
Riverfront District Commercial	5	7	1%
Specific Plan Commercial	5	9	1%
Public Quasi-Public (Hospital Site)	1	41	4%
Springbrook District - Hospitality	3	35	4%
Springbrook District - Neighborhood Commercial	1	11	1%
Mixed Use	242	217	22%
Mixed Use	63	83	9%
Riverfront District Mixed Use	12	22	2%
Specific Plan Mixed Use	161	78	8%
Springbrook District - Village	6	34	4%
Industrial	172	434	45%
Industrial	161	246	25%
Riverfront District Industrial	5	108	11%
Specific Plan Industrial	3	53	5%
Springbrook District - Employment	3	27	3%
Other - Airpark	2	54	6%
Industrial	1	12	1%
Public Quasi-Public	1	42	4%
Total	769	971	100%

Source: ECONorthwest analysis of data from Yamhill County; City of Newberg.

Development Status

Exhibit 23 shows commercial and industrial land in Newberg by development status.⁵⁷ Of the 917 commercial and industrial acres in the Newberg UGB, about 669 acres (73%) are in classifications with no development capacity (or “committed acres”). Of the remaining 248 acres, 97 acres (11%) are constrained and 130 acres (14%) are buildable land with development capacity.

The 34 total acres in the Springbrook District Village that is reported in Exhibit 23 includes all land in this plan designation. The Springbrook Master Plan divides this area into both residential and commercial uses. The HNA assumes capacity for 265 housing units, as defined in the master plan. The master plan states that “retail is also anticipated to occur in the Village and may represent up to 35% of that area” (pg. 37). This assumption results in about 12 acres of buildable land for commercial use, as shown in Exhibit 23.

Exhibit 23. Commercial and Industrial Acres by Classification and Plan Designation, Newberg UGB, 2020

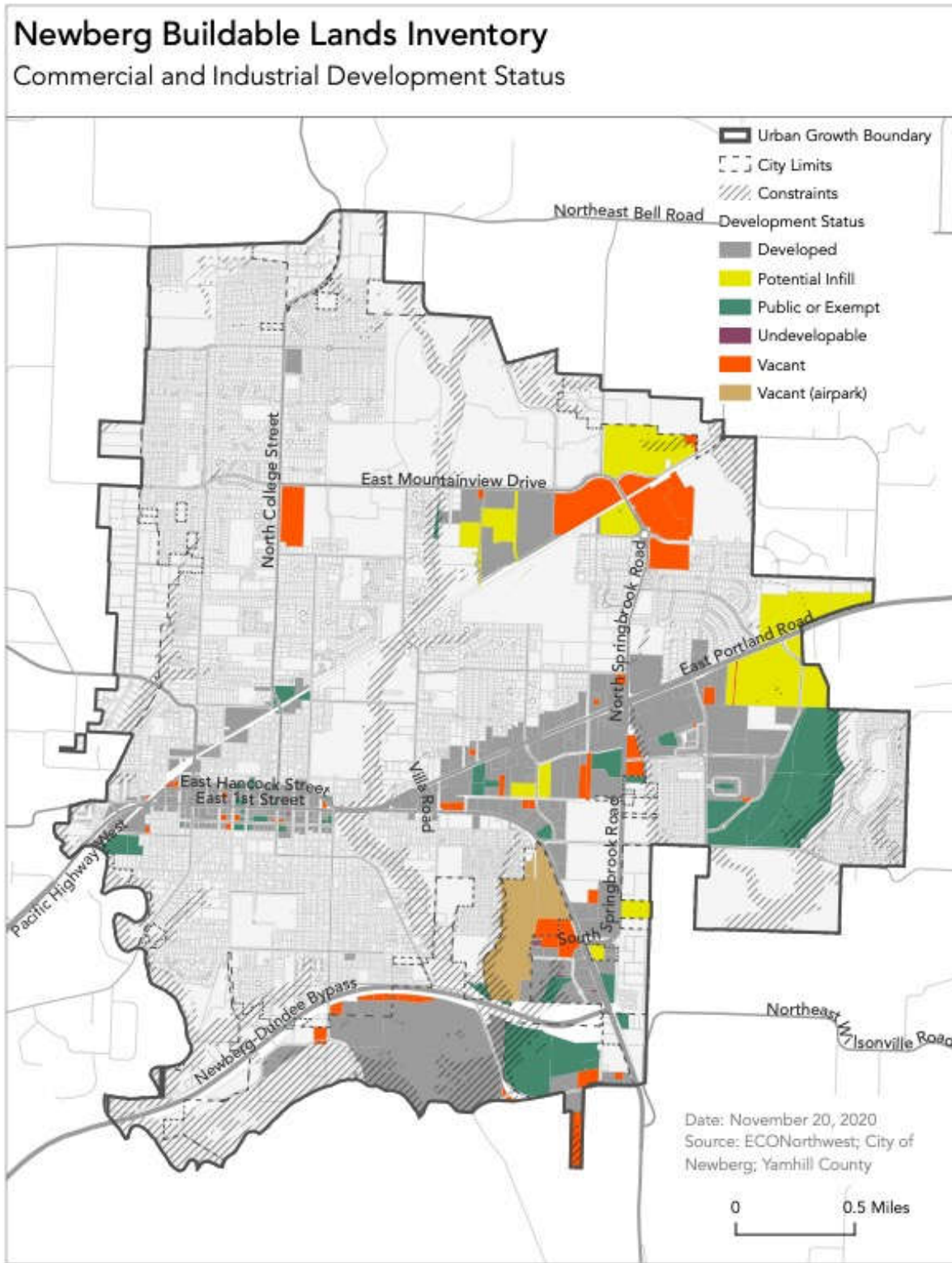
Plan Designation	Total Acres	Committed Acres	Constrained Acres	Buildable Acres
Commercial	266	201	12	53
Commercial	163	146	2	15
Riverfront District Commercial	7	4	2	1
Specific Plan Commercial	9	3	2	4
Public Quasi-Public (Hospital Site)	41	32	1	8
Springbrook District - Hospitality	35	16	5	14
Springbrook District - Neighborhood Commercial	11	-	-	11
Mixed Use	217	169	1	25
Mixed Use	83	73	-	10
Riverfront District Mixed Use	22	19	-	3
Specific Plan Mixed Use	78	77	1	-
Springbrook District - Village*	34	-	-	12
Industrial	434	299	84	52
Industrial	246	194	25	27
Riverfront District Industrial	108	64	41	3
Specific Plan Industrial	53	35	18	-
Springbrook District - Employment	27	6	-	22
Total	917	669	97	130

Source: ECONorthwest analysis of data from Yamhill County; City of Newberg.

*Note: Buildable acres in the Springbrook District Village plan designation reflect the assumptions for commercial land included in the Springbrook Master Plan (2008) on page 37.

⁵⁷ The tax lots that make up the airpark are discussed separately later in this chapter. The acres in this area are excluded from the remainder of the tables in the BLI results.

Exhibit 24. Commercial and Industrial Land by Classification with Development Constraints, Newberg UGB, 2020



Vacant Buildable Land

The next step in the commercial and industrial buildable land inventory was to net out portions of vacant tax lots that are unsuitable for development. Areas unsuitable for development fall into three categories: (1) developed areas of potential infill⁵⁸ tax lots, (2) areas with service constraints, (3) areas with physical constraints (areas with wetlands, floodways, riparian setback areas and steep slopes, shown in Exhibit 61).

Exhibit 25 shows unconstrained buildable acres for vacant and potential infill land by plan designation. The results show that Newberg has about 130 net buildable acres in commercial and industrial plan designations. Of this, 60% (78 acres) is in commercial or mixed-use designations and 40% (52 acres) is in industrial designations.

Exhibit 25. Employment Land with Unconstrained Development Capacity (Vacant and Potential infill) by Plan Designation, Newberg UGB, 2020

Plan Designation	Total Buildable Acres	Buildable Acres on Vacant Lots	Buildable Acres on Potential Infill Lots
Commercial	54	26	28
Commercial	16	6	10
Riverfront District Commercial	1	1	-
Specific Plan Commercial	4	4	-
Public Quasi-Public (Hospital Site)	8	-	8
Springbrook District - Hospitality	14	4	10
Springbrook District - Neighborhood Commercial	11	11	-
Mixed Use	24	20	4
Mixed Use	10	6	4
Riverfront District Mixed Use	2	2	-
Specific Plan Mixed Use	-	-	-
Springbrook District - Village*	12	12	-
Industrial	52	42	10
Industrial	27	20	7
Riverfront District Industrial	3	3	-
Springbrook District - Employment	22	19	3
Total	130	88	42

Source: ECONorthwest analysis of data from Yamhill County; City of Newberg.

*Note: Buildable acres in the Springbrook District Village plan designation reflect the assumptions for commercial land included in the Springbrook Master Plan (2008) on page 37.

⁵⁸ Previous materials used the term “partially vacant” for this land classification. While “partially vacant” is clearer for communication with the advisory committees and the public, the classification “infill” more accurately fits the definition of a subset of “developed land” described in OAR 660-009-0005.

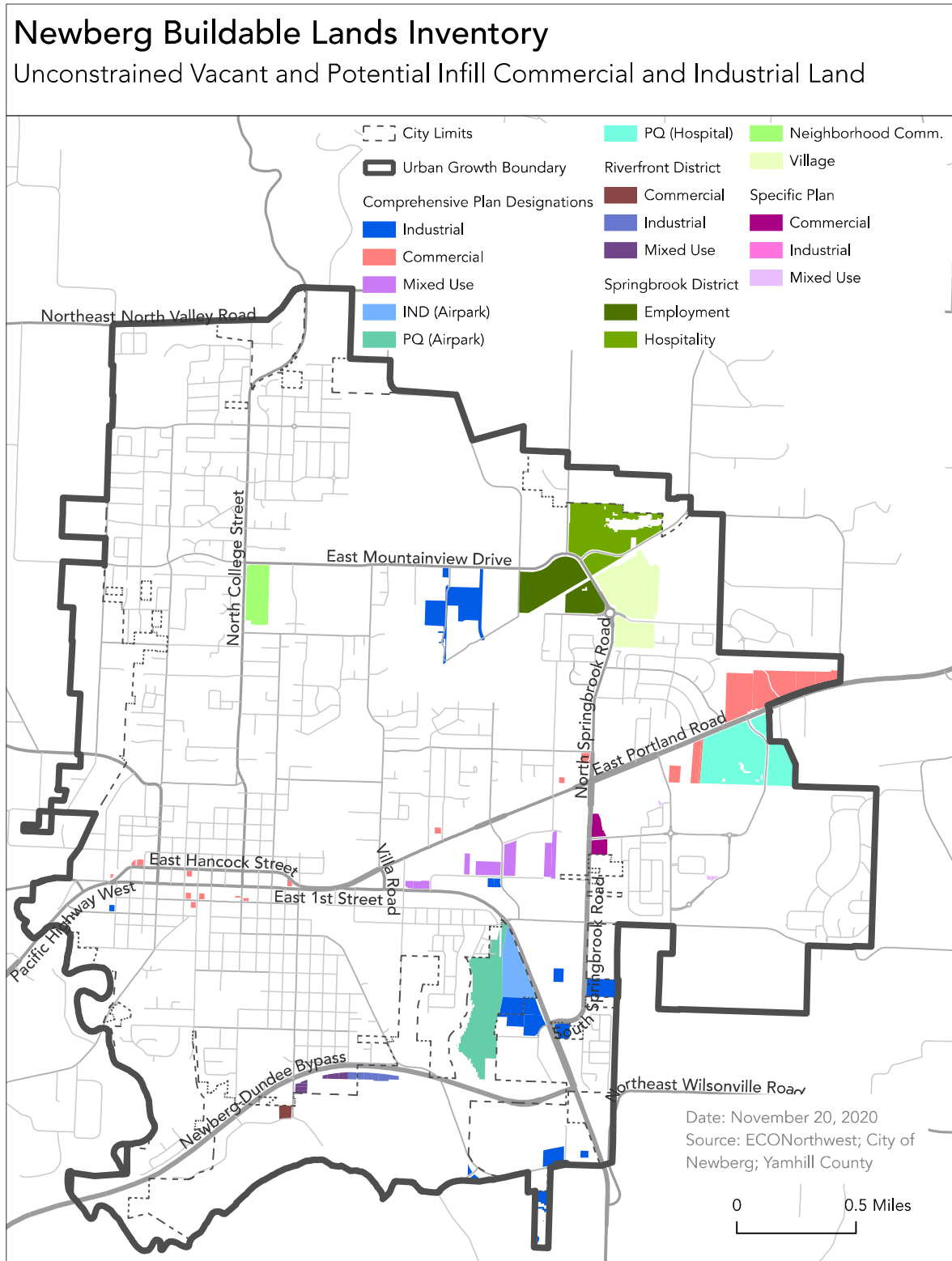
Exhibit 26 shows the size of lots by plan designations for buildable employment land. Newberg has 33 lots that are smaller than 0.5 acres (with 8 acres of land); 21 lots between 0.5 and 2 acres (24 acres of land); 14 lots between 2 and 5 acres in size (38 acres of land); 3 lots between 5 and 10 acres in size (8 acres of land); and 4 lots between 10 and 25 acres in size (52 acres of land).

Exhibit 26. Lot Size by Plan Designation, Buildable Acres, Newberg UGB, 2020

	Buildable Acre Category						Total
	less than 0.5 acre	0.5 - 1 acres	1 - 2 acres	2 - 5 acres	5 - 10 acres	10 - 25 acres	
<i>Buildable acres on taxlots</i>							
Commercial	2	3	7	13	8	21	54
Mixed Use	3	1	6	2	-	12	24
Industrial	3	4	3	23	-	19	52
Subtotal	8	8	16	38	8	52	130
<i>Number of taxlots with buildable acres</i>							
Commercial	14	4	4	5	1	2	30
Mixed Use	12	2	4	1	2	1	22
Industrial	7	5	2	8		1	23
Subtotal	33	11	10	14	3	4	75

Source: ECONorthwest analysis of data from Yamhill County; City of Newberg.

Exhibit 27. Buildable Employment Land by Plan Designation with Development Constraints, Newberg UGB, 2020



Potentially Redevelopable

For the purpose of this study, we define redevelopment in the context of the Goal 9 Administrative Rule. OAR 660-009-0005(1) defines developed land (redevelopment) as follows:

(1) "Developed Land" means non-vacant land that is likely to be redeveloped during the planning period.

The key components of this definition are “non-vacant” and “likely to be redeveloped.” Thus, any nonvacant land could be considered redevelopable, but only land that is “likely to be redeveloped” is required to be considered. Statewide planning statutes and administrative rules do not provide any guidance on how to determine what land is “likely to be redeveloped.”

This study identifies land with redevelopment potential as land on which development has already occurred but on which, due to present or expected market forces, there exists the potential that existing development will be converted to more intensive uses (providing additional employment capacity) during the planning period.

Redevelopment potential can be thought of as a continuum—from more redevelopment potential to less redevelopment potential. The factors that affect redevelopment are complicated and include location, surrounding uses, current use, land and improvement values, and other factors. The estimate of redevelopment presented in Exhibit 28 considers redevelopment over the last several years, policies the City is implementing to support redevelopment, and an assessment of other redevelopment opportunities across the city.

In most cities, the amount and location of redevelopment is difficult to predict. In Newberg’s case, the City is currently in the process of implementing the Riverfront Master Plan, which requires an intensive planning effort, public process, and engagement of stakeholders. In the past six years, one commercial site has redeveloped in Newberg on about 1.9 acres. The identification of redevelopment potential is based on local knowledge of expected market forces and existing plans for redevelopment.

Exhibit 28 shows areas identified as having redevelopment potential in Newberg based on consideration of these factors. The redevelopment analysis summarized below provides an optimistic estimate of potential redevelopment, largely resulting from the City’s efforts to redevelop the WestRock Mill site, as evidenced by the ongoing implementation of the Riverfront Master Plan

Newberg has 92 unconstrained acres of potentially redevelopable land, of which 26 acres are in commercial plan designations and 66 are in industrial plan designations.⁵⁹

The largest potentially redevelopable site is the WestRock Mill site. The site was recently acquired by Commercial Development Company’s affiliate Newberg OR LLC. The entire site is

⁵⁹ This analysis only considers tax lots that are developed in the BLI.

about 130 total acres, of which 42 are constrained by floodplain, stream corridor, and steep slopes, and 5 acres are included in vacant buildable land. Of the remaining 83 acres classified as developed in the BLI, about 64 acres are in the industrial Riverfront District plan designation and about 19 acres are in the mixed-use Riverfront District plan designation.

Exhibit 28. Commercial and Industrial Areas with Redevelopment Potential, Newberg UGB, 2021-2041

Plan Designation/Area	Number of Taxlots	Total Unconstrained Acreage
Commercial/Mixed Use	11	26
Commercial	5	5
Mixed Use	2	2
WestRock Mill site (MIX/RD)	4	19
Industrial	7	66
Industrial	1	1
WestRock Mill site	1	64
West End Mill District	5	1
Total	18	92

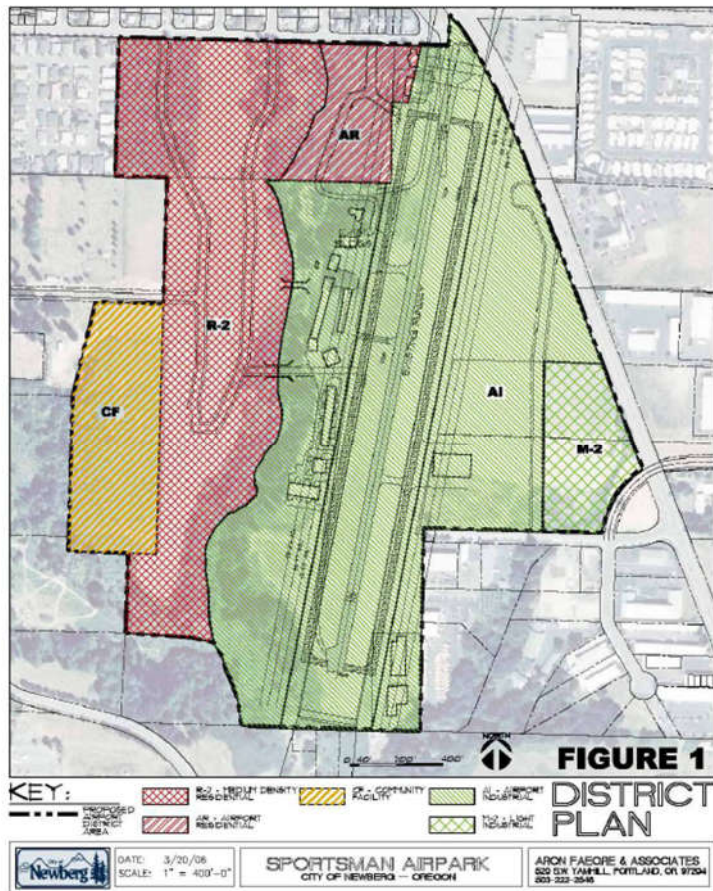
Source: City of Newberg; ECONorthwest analysis.

Sportsman Airpark

Land at airports have more restrictions (from the FAA and the airport master plan) than typical commercial and industrial land in Newberg. These acres are not included in the calculation of unconstrained buildable land in the remainder of this chapter.

The Sportsman Airpark, located in southeast Newberg and north of the Highway 18 Bypass, includes about 12 acres of industrial-designated land and 42 acres of public/quasipublic-designated land. Exhibit 20 shows the airport property boundary and zoning designations as defined in the *Sportsman Airpark Land Use Master Plan*.

Exhibit 29. Sportsman Airpark Property, Newberg, 2006



Source: Sportsman Airpark Land Use Master Plan. 2006.

According to the Sportsman Airpark Land Use Master Plan (2006), the airpark’s industrial land is about 17% developed, with about 29 estimated developable industrial acres remaining. Of this area in 2020, about 10.6 acres are vacant and for sale and 13.1 are vacant and for lease, not for sale to private developers or businesses. The expected uses on the lease-only land is development of airplane hangars.⁶⁰

Development opportunities at the airpark are limited, especially on the land for lease. Permitted uses on the Sportsman Airpark property are limited and are not considered as part of the buildable lands inventory of industrial land available for most future employment uses. The permitted uses on the airpark property include aviation-related activities; emergency flight services (and necessary services); law enforcement, firefighting, search and rescue operations; flight instruction; aircraft service and maintenance; aircraft rental/sales; aerial mapping/surveying; air cargo and warehousing/distribution; and aviation and space technology development/research.

While the 10.6 acres of land that is for sale is considered part of the buildable lands inventory (Exhibit 30), the 13.1 acres of land for lease is not considered suitable because it is privately

⁶⁰ Based on information provided by the City of Newberg via email on October 23, 2020.

owned and available only for lease. Development on this land is expected to be airplane hangars, rather than businesses that create employment.

Summary of Suitable Buildable Unconstrained Land

Exhibit 30 shows a summary of the buildable unconstrained commercial and industrial land in the Newberg UGB. It combines the buildable land identified in Exhibit 25, land identified as potentially redevelopable in Exhibit 28, and suitable land identified at Sportsman Airpark. Exhibit 32 shows the suitable buildable unconstrained land by site size.

Exhibit 30. Suitable Buildable Unconstrained Commercial and Industrial Land, Newberg UGB

Plan Designation/ Development Status	Acres
Commercial/Mixed Use	104
Vacant/Potential Infill	78
Potentially Redevelopable	26
Industrial	129
Vacant/Potential Infill	52
Potentially Redevelopable	66
Sportsman Airpark	11
Total	233

Exhibit 31. Suitable Buildable Unconstrained Commercial and Industrial Land by Lot Size, Newberg UGB

	Buildable Acre Category				Total
	Less than 5 acres	5-25 acres	25-50 acres	50 and more acres	
Buildable acres on taxlots					
Commercial/Mixed Use	50	54	-	-	104
Vacant/Potential Infill	37	41			78
Potentially Redevelopable	13	13			26
Industrial	46	19	-	64	129
Vacant/Potential Infill	33	19			52
Potentially Redevelopable	2			64	66
Sportsman Airpark	11				11
Subtotal	96	73	-	64	233
Number of taxlots with buildable acres					
Commercial/Mixed Use	56	7	-	-	63
Vacant/Potential Infill	46	6			52
Potentially Redevelopable	10	1			11
Industrial	33	1	-	1	35
Vacant/Potential Infill	22	1			23
Potentially Redevelopable	6			1	7
Sportsman Airpark	5				5
Subtotal	89	8	0	1	98

Short-Term Supply of Land

This section evaluates the short-term supply of employment land in Newberg. It begins with an overview of the policy context for this analysis, and then it evaluates the short-term land supply.

Policy Context

The Goal 9 Administrative Rule (OAR 660-009) includes provisions that require certain cities to ensure an adequate short-term supply of industrial and other employment lands. Newberg is not currently subject to this requirement. OAR 660-009-005(10) defines short term supply as

“...suitable land that is ready for construction within one year of an application for a building permit or request for service extension. Engineering feasibility is sufficient to qualify land for the short-term supply of land. Funding availability is not required. "Competitive Short-term Supply" means the short-term supply of land provides a range of site sizes and locations to accommodate the market needs of a variety of industrial and other employment uses.”

In summary, the rule recommends cities to assess the short-term supply of employment land based on the criteria that land can be ready for construction within one year. The determination is based on “engineering feasibility.”

Analysis of Short-Term Supply of Land

ECONorthwest worked with the City of Newberg staff to identify commercial and industrial land that meet the definition of short-term supply of land, using the results of the buildable lands inventory as a basis. Exhibit 25 shows that Newberg has 130 acres of unconstrained buildable land on vacant and potential infill tax lots in commercial and industrial plan designations. On these lands, we considered access to water, sanitary sewer, and stormwater.

The results show that 58 acres of commercial and mixed-use land in Newberg is in the short-term supply of land and 44 acres of industrial land is in the short-term supply of land. In other words, 78% of all unconstrained buildable commercial and industrial land (130 acres) in Newberg is in the short-term supply.

5. Land Sufficiency and Conclusions

This chapter presents conclusions about Newberg’s employment land sufficiency for the 2021–2041 period. The chapter then concludes with a discussion about Newberg’s land base and its ability to accommodate growth over the next 20 years, as well as recommendations for the City to consider, ensuring it meets its economic growth needs throughout the planning period.

Land Sufficiency

Commercial Land Sufficiency

Exhibit 32 shows commercial land sufficiency within the Newberg UGB. It shows:

- **Suitable buildable unconstrained commercial land** from Exhibit 30 within the UGB. Exhibit 30 shows that Newberg has 104 gross acres of commercial land.
- **Demand for commercial land** from Exhibit 11. Exhibit 32 shows Newberg will need a total of 83 gross acres for commercial uses over the 2021–2041 period.

Exhibit 32 shows that Newberg has a 21-acre surplus of commercial land.

Exhibit 32. Comparison of the Capacity of Unconstrained Vacant Commercial Land with Commercial Land Demand, Newberg UGB, 2021–2041

Land Use Type	Land Supply (Suitable Gross Acres)	Land Demand (Gross Acres)	Land Sufficiency (Deficit)
Commercial	104	83	21
Total	104	83	21

Source: ECONorthwest.

Industrial Land Sufficiency

Exhibit 33 shows industrial site needs within the Newberg UGB by site size. It shows:

- **Suitable buildable unconstrained industrial sites** within the UGB from Exhibit 31. Newberg has 35 industrial sites on 129 acres of land. Exhibit 33 shows that 33 of the sites are 5 acres or smaller, one site is 5 to 25 acres in size, and one site is over 50 acres in size.
- **Demand for industrial land** from Exhibit 21. Exhibit 33 shows Newberg will need 131 new sites for industrial uses, 122 of which will be 5 acres or less.

Exhibit 33 shows that Newberg has a deficit of 96 sites or 152 acres of land in the following site sizes:

- **Less than 5 acres in size.** Newberg has a **deficit** of 89 sites or 62 acres for these smaller sites, which are expected to average about 0.7 acres in size.

- **5 to 25 acres in size.** Newberg has a **deficit** of 6 sites or 55 acres for these sites, which are expected to average about 9 acres in size. The majority of Newberg’s mid-sized potential growth industries will locate on these sites.
- **25 to 50 acres in size.** Newberg has a **deficit** of 1 site or 35 acres for this site, which is expected to average about 35 acres in size. This site will provide development opportunities for a mid-sized to large technology and high-tech manufacturing business.
- **50 or more acres in size.** Newberg has 1 site in this size class, which is the redevelopment opportunity at the WestRock Mill site.⁶¹ Newberg has sufficient land in this site size.

Exhibit 33. Comparison of the Capacity of Unconstrained Vacant Industrial Land with Industrial Land Demand, Newberg UGB, 2021–2041

	Site Size (acres)				Total
	Less than 5 acres	5-25 acres	25-50 acres	50 and more	
Number of Vacant Sites: Newberg BLI	33	1	-	1	35
New Sites Needed	122	7	1	1	131
Comparison of Land Supply and Need					
(Land Surplus or Deficit)	(89)	(6)	(1)	-	(96)
Acres of Land Needed	(62)	(55)	(35)	-	(152)

Source: ECONorthwest.

Conclusions and Recommendations

The conclusions about commercial and industrial land sufficiency are:

- **Newberg is forecast for growth in both the commercial and industrial employment sectors.** Newberg is planning for growth of 4,452 new jobs in the city over the 2021 to 2041 period. About 2,407 of the jobs will be industrial, 1,799 of the jobs will be in office and commercial services, and 120 in retail. Growth of these jobs will result in demand for about 83 gross acres of commercial land and 131 new sites for industrial uses.
- **Newberg has a surplus of commercially designated land of 21 acres.** Exhibit 32 shows that Newberg has enough land for commercial employment growth over the next 20 years, with a surplus of 21 acres. Commercial uses include services for residents and visitors (e.g., retail) as well as office services. This surplus includes commercial land in the Springbrook and Riverfront Districts, which are located in different parts of Newberg. This ensures that commercial development will be distributed throughout the city, providing reasonable access to services for residents and visitors.
- **Newberg has a deficit of land for industrial uses across all site sizes.** Newberg has a deficit of 96 sites or 152 acres of land for industrial uses. This need covers a range of site

⁶¹ This assumption is based on current discussions with entities involved with ongoing redevelopment plans for the WestRock Mill site. It is possible that discussions of the WestRock Mill site redevelopment may result in different plans for redevelopment of the site, but this is the best available information as of this report.

sizes from less than 5 acres to 50 acres. The majority of sites are needed at the less-than-5-acre size, but the range of site sizes is key to diversifying Newberg's economy and aligning with the city's potential growth industries.

- **Newberg will need an additional 2.9 acres of commercial land and 12.3 acres of industrial land for public and semipublic uses.** The Newberg Public and Semi-Public Land Needs memorandum concludes that Newberg will need commercial and industrial land to accommodate public and semipublic uses over the 20-year period.
- **Newberg's wages are comparable to the regional average.** Newberg's average wage of \$43,480 is slightly higher than the average of \$43,299 for Yamhill County. Newberg's potential growth industries generally have above-average wages, except for some types of food or agricultural product industries, such as wineries or vineyards, which also tend to hire seasonally.
- **Newberg will need to address key infrastructure needs in the Riverfront District.** While water and wastewater connections will be relatively easy for eventual developers to access, the Riverfront Master Plan identifies potential challenges with connecting a road along the bluff area. This would require geotechnical studies that may present cost barriers for potential developers of the area.
- **Newberg's lack of industrial land presents barriers for business retention, expansion, and recruitment.** Since 2014, the City has documented recruitment and retention of businesses looking to stay or locate in Newberg. A key issue businesses have cited is the lack of available or suitable greenfield sites. This has led to the recent relocation of existing Newberg businesses, as well as a lack of new businesses choosing to locate in Newberg. Businesses are attracted to Newberg because of the access to a skilled workforce and quality of life, but the lack of suitable sites remains a key issue for many of these businesses.

Following are ECONorthwest's recommendations for measures to accommodate commercial and industrial land need within the Newberg UGB based on the analysis and conclusions in this report.

- The City has actively worked on implementing recent plans that in part address issues related to commercial and industrial land, including the *Newberg Economic Development Strategy*, *Newberg Downtown Improvement Plan*, *A NewBERG Community Vision*, and the *Riverfront Master Plan*. This EOA implements the *Newberg Economic Development Strategy* by supporting the goals in the *Strategy*. For example, the EOA identifies the need for land to support the retention and expansion of businesses (item 1.2 in the *Strategy*), coordinates recruitment of traded-sector companies with partners such as SEDCOR and Business Oregon (item 1.3 in the *Strategy*), and provides analyses that support commercial development opportunities (item 2.1 and 2.2 in the *Strategy*) and recommend *Strategy* implementation.

The redevelopment plans that are proceeding on the WestRock Mill site show that the

City's *Economic Development Strategy* and broader redevelopment plans are being implemented. In particular, implementation of the *Riverfront Master Plan*, use of Urban Renewal, use of the City's Enterprise Zone, and use of the Opportunity Zone at the WestRock Mill site have all resulted in plans for redevelopment and implementation of these plans.

- Newberg should develop a policy that supports the preservation of prime industrial land for sites over 10 acres in size. The City may consider identifying prime industrial sites using the following criteria: sites larger than 10 acres, sites with direct access to a highway or major arterial road, sites with existing investments in infrastructure needed by industrial uses, and sites surrounded by properties that are planned for industrial uses.
- The City should consider the use of incentives to support economic development. These incentives could include creating an economic or business district, developing a downtown partnership, developing a parking management plan in key commercial areas, supporting land assembly, regulating streamlining to reduce costs of development, using SDC "deferrals" or changing how SDCs are assessed, using New Market Tax Credits and EB-5 Investment programs to support business growth, and supporting the growth of particular industries (such as tourism and hospitality).
- The City should address the deficit of industrial land identified in the EOA for 152 acres of land on about 96 sites. Given the limited amount of vacant land within Newberg's existing UGB, the City has few opportunities to accommodate expected growth within the UGB. The best opportunity, the redevelopment of the WestRock Mill site, as well as the other sites shown in Exhibit 30, are the City's primary opportunities to increase land use efficiency within the existing UGB. The City should consider opportunities for expansion of the UGB to accommodate industrial land needs.

In short, the City should continue to implement the *Newberg Economic Development Strategy* to continue to support the type of industrial and commercial growth described in the EOA.

Appendix A. National, State, and Regional and Local Trends

The economic trends discussed in this appendix are based on long-term trends that are generally expected to continue on national, state, and regional scales. During the development of this document, the effects of the global COVID-19 pandemic began to emerge. However, the availability of data and the potential change in long-term effects remain unknown. Where available, this appendix provides data and discussion about the short-term economic effects of the pandemic.

National Trends

Economic development in Newberg over the next 20 years will occur in the context of long-run national trends. The most important of these trends include:

- **Economic growth was forecasted to continue at a slow pace over the course of the next decade, but the effects of the COVID-19 pandemic have ended the nation's longest period of economic expansion.** The Congressional Budget Office (CBO) previously predicted that real GDP would grow by 2.2% in 2020, followed by stagnation in later years as growth in private investment and consumer spending lessened. From 2021 to 2030, CBO forecasted that output would increase at an average annual rate of 1.7 percent.⁶² However, in March 2020, business closures related to the novel coronavirus forced the nation into a recession. According to CBO's preliminary estimates, unemployment is expected to surpass 10% during the second quarter of 2020 due to sharp increases in unemployment claims. Additionally, GDP will likely decline by more than 7% during the second quarter, leading to a fall in the annualized growth rate of at least 28%.⁶³ The fiscal stimulus, as well as the federal government's efforts to maintain operations for essential businesses, will likely mitigate the fallout of the virus. An estimated 70% of GDP is derived from businesses exempt from stay-at-home orders, and half of nonexempt businesses are able to continue their operations remotely.⁶⁴ Importantly, long-term projections are highly variable as the economic impact of the COVID-19 pandemic unfolds.

⁶² Congressional Budget Office. *The Budget and Economic Outlook: 2020 to 2030*. January 2020. <https://www.cbo.gov/publication/56020>.

⁶³ Swagel, P. (2020, April 2). Updating CBO's Economic Forecast to Account for the Pandemic. Congressional Budget Office. <https://www.cbo.gov/publication/56314>.

⁶⁴ Caldwell, P., and Andersen, K. (2020). Coronavirus Update: Long-Term Economic Impact Forecast to Be Less Than 2008 Recession. Morningstar, Inc. <https://www.morningstar.com/articles/976107/coronavirus-update-long-term-economic-impact-forecast-to-be-less-than-2008-recession>

- **The aging of the baby boomer generation accompanied by increases in life expectancy.** As the baby boomer generation continues to retire, the number of Social Security recipients is expected to increase from almost 65 million in 2020 to over 88 million in 2045, a 36.5% increase. But due to lower birth-rate replacement generations, the number of covered workers is only expected to increase 10.3% over the same time period, from over 178 million to almost 197 million in 2045. In 2020, there are 36 Social Security beneficiaries per 100 covered workers, but by 2045 there will be 45 beneficiaries per 100 covered workers. This will increase the percent of the federal budget dedicated to Social Security and Medicare.⁶⁵

Baby boomers are expecting to work longer than previous generations. An increasing proportion of workers 55 and older expect to work after age 65.⁶⁶ This trend can be seen in Oregon, where the share of workers 65 years and older grew from 2.9% of the workforce in 2000 to 4.1% of the workforce in 2010. In 2018, this share increased to 5.6%, or a 94% increase over the 2000 to 2018 period. Over the same eighteen-year period, workers 45 to 64 years old decreased by about 2%.⁶⁷

- **Need for replacement workers.** The need for workers to replace retiring baby boomers will outpace job growth. Between 2018 and 2028, the Bureau of Labor Statistics (BLS) estimates that total employment in the United States will grow by about 8.4 million jobs. Over this same period, BLS forecasts an annual average of 19.7 million occupational openings, indicating that the number of job openings per year exceeds expected employment growth. About 78% of annual job openings are in occupations that do not require postsecondary education.⁶⁸
- **The importance of education as a determinant of wages and household income.** According to BLS, a majority of the fastest growing occupations will require an academic degree, and on average, they will yield higher incomes than occupations that do not require a degree. The fastest growing occupations requiring an academic degree will be occupational therapy assistants, information security analysts, physician assistants, statisticians, nurse practitioners, and speech language pathologists. Of the top ten fastest-growing occupations, the top four do not require an academic degree. From 2018 through 2028, the fastest-growing occupations will be solar photovoltaic installers, wind turbine service technicians, home health aides, and personal care aides. However,

⁶⁵ The Board of Trustees, Federal Old-Age and Survivors Insurance and Federal Disability Insurance Trust Funds, 2015, The 2018 Annual Report of the Board of Trustees of the Federal Old-Age and Survivors Insurance and Federal Disability Insurance Trust Funds, June 5, 2018. <https://www.ssa.gov/oact/tr/2018/tr2018.pdf>.

⁶⁶ The Employee Benefit Research Institute. Retirement Confidence Survey, 2016 RCS Fact Sheet #4. https://www.ebri.org/docs/default-source/rcs/4_rcs_16-fs-4_age.pdf?sfvrsn=56e8302f_2.

⁶⁷ Analysis of 2000 Decennial Census data, 2010 US Census American Community Survey, 1-Year Estimates, and 2018 US Census American Community Survey, 1-Year Estimates, for the table Sex by Age by Employment Status for the Population 16 Years and Over.

⁶⁸ Bureau of Labor Statistics. (2019). Occupational Employment Projections to 2018–2028. <https://www.bls.gov/news.release/pdf/ecopro.pdf>.

these nondegree requiring occupations yield lower incomes than the other six occupations.

Five sectors are projected to decline from 2018 through 2028. These include manufacturing, federal government, utilities, wholesale trade, and retail trade. The BLS estimates that retail trade will decrease by 153,700 positions, possibly due to the rise of e-commerce. Conversely, this shift in shopper preference is increasing occupations in transportation and warehousing.⁶⁹ Retail positions occupations typically have lower pay than occupations requiring an academic degree.

The national median income for people over the age of 25 in 2019 was about \$48,464. Workers without a high school diploma earned \$19,708 less than the median income, while those with a high school diploma earned \$10,504 less than the median income. Workers with some college earned \$6,760 less than median income, and workers with a bachelor's degree earned \$13,832 more than median. Workers in Oregon experience the same patterns as the nation, but pay is generally lower in Oregon than the national average.⁷⁰

- **Increases in labor productivity.** Productivity, as measured by output per hour of labor input, increased in most sectors between 2000 and 2010, peaking in 2007. However, productivity increases were interrupted by the recession. After productivity decreases from 2007 to 2009, many industries saw large productivity increases from 2009 to 2010. Industries with the fastest productivity growth were information technology-related industries. These include wireless telecommunications carriers, computer and peripheral equipment manufacturing, electronics and appliance stores, and commercial equipment manufacturing wholesalers.⁷¹

Since the end of the recession (or 2010), labor productivity has increased across a handful of large sectors but has also decreased in others. In wholesale trade, productivity—measured in output per hour—increased by 19% over 2009 to 2017. Retail trade gained even more productivity over this period at 25%. Food services, however, have remained stagnant since 2009, fluctuating over the nine-year period and shrinking by 0.01% over this time frame. Additionally, the Bureau of Labor Statistics reports multifactor productivity in manufacturing has been slowing down 0.3% per year over the 2004 to 2016 period. Much of this, they note, is due to slowdown in semiconductors,

⁶⁹ Bureau of Labor Statistics. (2019). Occupational Employment Projections to 2018–2028. <https://www.bls.gov/news.release/pdf/ecopro.pdf>.

⁷⁰ Bureau of Labor Statistics. (2019). Occupational Employment Projections to 2018–2028. <https://www.bls.gov/news.release/pdf/ecopro.pdf>.

⁷¹ Brill, M.R., & Rowe, S.T. (March 2013). Industry Labor Productivity Trends from 2000 to 2010. Bureau of Labor Statistics, *Spotlight on Statistics*.

other electrical component manufacturing, and computer and peripheral equipment manufacturing.⁷²

- **The importance of entrepreneurship and growth in small businesses.** According to the 2019 Small Business Profile from the US Small Business Office of Advocacy, small businesses account for over 99 percent of total businesses in the United States, and their employees account for nearly 47% of American workers.⁷³ The National League of Cities suggests ways that local governments can attract entrepreneurs and increase the number of small businesses, including strong leadership from elected officials; better communication with entrepreneurs, especially about the regulatory environment for businesses in the community; and partnerships with colleges, universities, small business development centers, mentorship programs, community groups, businesses groups, and financial institutions.⁷⁴
- **Increases in automation across sectors.** Automation is a long-running trend in employment, with increases in automation (and corresponding increases in productivity) over the last century and longer. The pace of automation is increasing, and the types of jobs likely to be automated over the next twenty years (or longer) are broadening. Lower-paying jobs are more likely to be automated, with the potential for automation of more than 80% of jobs paying less than \$20 per hour over the next twenty years. About 30% of jobs paying \$20 to \$40 per hour, and 4% of jobs paying \$40 or more per hour, are at risk of being automated over the next twenty years.⁷⁵

Low to middle-skilled jobs that require interpersonal interaction, flexibility, adaptability, and problem solving will likely persist into the future as will occupations in technologically lagging sectors (e.g., production of restaurant meals, cleaning services, hair care, security/protective services, and personal fitness).⁷⁶ This includes occupations such as (1) recreational therapists, (2) first-line supervisors of mechanics, installers, and repairers, (3) emergency management directors, (4) mental health and substance abuse social workers, (5) audiologists, (6) occupational therapists, (7) orthotists and prosthetists, (8) health-care social workers, (9) oral and maxillofacial surgeons, and (10) first-line supervisors of firefighting and prevention workers.

⁷² Brill, M., Chanksy, B., & Kim, J. (July 2018). Multifactor productivity slowdown in US manufacturing. *Monthly Labor Review*, US Bureau of Labor Statistics. <https://www.bls.gov/opub/mlr/2018/article/multifactor-productivity-slowdown-in-us-manufacturing.htm>.

⁷³ US Small Business Office of Advocacy. (2019). 2019 Small Business Profile. <https://cdn.advocacy.sba.gov/wp-content/uploads/2019/04/23142719/2019-Small-Business-Profiles-US.pdf>.

⁷⁴ National League of Cities. (2012). Supporting Entrepreneurs and Small Businesses. <https://www.nlc.org/supporting-entrepreneurs-and-small-business>.

⁷⁵ Executive Office of the President. (2016). Artificial Intelligence, Automation, and the Economy.

⁷⁶ Autor, D.H. (2015). Why Are There Still So Many Jobs? The History and Future of Workplace Automation. *Journal of Economic Perspectives*, 29(3), 3–30.

Occupations in the service and agricultural or manufacturing industry are most at risk of automation because of the manual nature of the work.^{77,78,79} This includes occupations such as (1) telemarketers, (2) title examiners, abstractors, and searchers, (3) hand sewers, (4) mathematical technicians, (5) insurance underwriters, (6) watch repairers, (7) cargo and freight agents, (8) tax preparers, (9) photographic process workers and processing machine operators, and (10) accounts clerks.⁸⁰

- **Continued transformation of retail.**⁸¹ In the last two decades, retail sales by e-commerce and warehouse clubs/supercenters (a lower-cost model to the traditional department store) have increased steadily, pulling the industry in two different directions. On the one hand, the trend toward warehouse/supercenters is increasing the average scale of retail operations, increasing market concentrations, reducing business dynamism, and shifting retail activity toward more populated areas. On the other hand, the trend toward e-commerce generates “smaller [retailers], less market concentration, more geographical dispersion, and higher productivity.”⁸² Since 2000, e-commerce sales have grown from 0.9% of total retail sales to 9.7% (2018). Over this same period, e-commerce retail sales have grown at a rate of 18% per year.⁸³ It is reasonable to expect this trend to continue and that it will be accelerated by requirements to stay at home during the COVID-19 pandemic.

Ultimately, the growth in online shopping and the increasing dominance of large supercenters has made it difficult for small and medium-sized retail firms (offering a narrower selection of goods) to compete. Declining net profits and increased competitive pressures have led many well-known retailers (e.g., J.C. Penney, Macy’s, Sears) to declare bankruptcy or to scale back their operations.

In the future, the importance of e-commerce will likely continue to grow, and despite the highly publicized closures of brick-and-mortar stores, physical retail is likely to remain

⁷⁷ Frey, C.B., & Osborne, M.A. (2013). *The Future of Employment: How Susceptible Are Jobs to Computerisation?* Oxford Martin School, University of Oxford.

⁷⁸ Otekhile, C.A., & Zeleny, M. (2016). Self Service Technologies: A Cause of Unemployment. *International Journal of Entrepreneurial Knowledge*, 4(1). DOI: 10.1515/ijek-2016-0005.

⁷⁹ PwC. (n.d.). Will robots really steal our jobs? An international analysis of the potential long-term impact of automation. https://www.pwc.com/hu/hu/kiadvanyok/assets/pdf/impact_of_automation_on_jobs.pdf.

⁸⁰ Frey, C.B., & Osborne, M.A. (2013). *The Future of Employment: How Susceptible Are Jobs to Computerisation?* Oxford Martin School, University of Oxford.

⁸¹ Ali Hortaçsu and Chad Syverson. (2015). The Ongoing Evolution of US Retail: A Format Tug-of-War. *Journal of Economic Perspectives*, 29(4), 89–112.

⁸² Ali Hortaçsu and Chad Syverson. (2015). The Ongoing Evolution of US Retail: A Format Tug-of-War. *Journal of Economic Perspectives*, 29(4), 89–112, p. 109.

⁸³ US Census Bureau, Monthly Retail Trade, Latest Quarterly E-Commerce Report. Retrieved from: <https://www.census.gov/retail/index.html#ecommerce>

an important part of the retail sector. In fact, retail sales at brick and mortar stores accounted for almost 90% of all retail sales in the Q3 of 2019.⁸⁴

Modern consumers are increasingly price sensitive, less brand loyal, and (since the advent of internet) able to substitute between retailers easily. To compete, retailers must be nimble, adept in recognizing the changing needs of their consumers, and quick to differentiate themselves from their competitors.

- **Opportunities for local retail and service.** The types of retail and related services that remain will likely be sales of goods that people prefer to purchase in person or that are difficult to ship and return (e.g., large furniture), specialty goods, groceries and personal goods that maybe needed immediately, restaurants, and experiences (e.g., entertainment or social experiences). According to the Urban Land Institute, in the postdisruption era of retail, new trends in this sector are beginning to emerge. These changes include the convergence of technology and shopping, as businesses focus on brand awareness and customer engagement via digital channels in the physical retail space.⁸⁵
- **Changes in manufacturing and demand for industrial land.** In recent years, US industries with global supply chains have shifted in response to geopolitical issues (e.g., trade policy) and increased demand for e-commerce (e.g., warehousing and distribution). These shifts have included reshoring some supply chain elements to the United States, leading to increased demand for industrial space. These dynamics accelerated during the COVID-19 pandemic and are expected to continue in the future.⁸⁶ Regionally, reports for markets on the West Coast, including the Portland region, confirm these trends with continued demand for industrial land and building space in 2020.⁸⁷ Business Oregon reported that agriculture and food and beverage industries are the most competitive traded-sector industries in the regions of Marion, Polk, and Yamhill Counties, followed by forestry and wood products, metals and machinery, and other manufacturing.⁸⁸
- **The importance of high-quality natural resources.** The relationship between natural resources and local economies has changed as the economy has shifted away from resource extraction. High-quality natural resources continue to be important in some states, especially in the western United States. Increases in the population and in households' incomes, plus changes in tastes and preferences, have dramatically increased demand for outdoor recreation, scenic vistas, clean water, and other resource-

⁸⁴ Per data from the US Census Bureau, cited in Deloitte's 2020 Retail Industry Outlook.

⁸⁵ Diane Hoskins. "Three Trends Shaping Retail's Great Transformation." *Urban Land Institute*, September 3, 2019. <https://urbanland.uli.org/economy-markets-trends/three-trends-shaping-retails-great-transformation/>

⁸⁶ CBRE Research. "The Changing Flow of International Trade." 2020. <https://www.cbre.us/research-and-reports/US-Industrial---The-Changing-Flow-of-International-Trade-July-2020>

⁸⁷ CBRE Research. "Industrial continues to make positive strides despite pandemic." Q3 2020.

⁸⁸ Business Oregon. "Regional Competitive Industries: Marion, Polk, and Yamhill Counties." 2018.

related amenities. Such amenities contribute to a region's quality of life and play an important role in attracting both households and firms.⁸⁹

- **Continued increase in demand for energy.** While energy prices were unusually low in early 2020, energy prices are forecasted to increase over the planning period. While energy use per capita is expected to decrease through 2050, total energy consumption will increase with rising population (0.2%). Energy consumption is expected to grow primarily from industrial (0.7%) and, to a lesser extent, commercial users (0.2%). Residential and transportation consumption are forecasted to decrease (-0.2%). This decrease in energy consumption for transportation is primarily due to increased federal standards and increased technology for energy efficiency in vehicles. Going forward through the projection period, potential changes in federal laws (such as decreases in car emissions) leave energy demand somewhat uncertain.

Energy consumption by type of fuel is expected to change over the planning period. By 2050, the United States will continue shifting from crude oil toward natural gas and renewables. For example, from 2018 to 2050, the Energy Information Administration projects that overall energy consumption in the United States will average a 0.2% annual growth rate, while consumption of renewable sources grows at 1.6% per year. With increases in energy efficiency, strong domestic production of energy, and relatively flat demand for energy by some industries, the United States will be able to be a net exporter of energy over the 2018 to 2050 period. Demand for electricity is expected to increase (0.2%) from 2018 to 2050 as the population grows and economic activity increases.⁹⁰

- **Impact of rising energy prices on commuting patterns.** As energy prices increase over the planning period, energy consumption for transportation will decrease. These increasing energy prices may decrease willingness to commute long distances, though with expected increases in fuel economy, it could be that people commute further while consuming less energy.⁹¹ Over 2019 to 2035, the US Energy Information Administration estimates in its forecast that the decline in transportation energy consumption as a result of increasing fuel economy more than offsets the total growth in vehicle miles traveled (VMT). VMT for passenger vehicles is forecasted to increase through 2050.
- **Potential impacts of global climate change.** The consensus among the scientific community that global climate change is occurring expounds important ecological,

⁸⁹ For a more thorough discussion of relevant research, *see*, for example, Power, T.M. and R.N. Barrett. 2001. *Post-Cowboy Economics: Pay and Prosperity in the New American West*. Island Press, and Kim, K.-K., D.W. Marcouiller, and S.C. Deller. 2005. "Natural Amenities and Rural Development: Understanding Spatial and Distributional Attributes." *Growth and Change* 36 (2): 273–297.

⁹⁰ Energy Information Administration, 2019, *Annual Energy Outlook 2019 with Projections to 2050*, US Department of Energy, January 2019. <https://www.eia.gov/outlooks/aeo/pdf/aeo2019.pdf>. Note, the cited growth rates are shown in the interactive tables and can be viewed here: <https://www.eia.gov/outlooks/aeo/data/browser/>.

⁹¹ Energy Information Administration, 2019, *Annual Energy Outlook 2019 with Projections to 2050*, US Department of Energy, January 2019.

social, and economic consequences over the next decades and beyond.⁹² Extensive research shows that Oregon and other western states have already experienced noticeable changes in climate and that more change will occur in the future.⁹³

In the Pacific Northwest, climate change is likely to (1) increase average annual temperatures, (2) increase the number and duration of heat waves, (3) increase the amount of precipitation falling as rain during the year, (4) increase the intensity of rainfall events, (5) increase sea level, (6) increase wildfire frequency, and (7) increase forest vulnerability to tree disease.⁹⁴ These changes are also likely to reduce winter snowpack and shift the timing of spring runoff earlier in the year.⁹⁵

The Oregon Climate Change Research Institute (OCCRI) evaluated potential scenarios for “Climate Change Influence on Natural Hazards in Oregon Counties” in 2018. OCCRI specifically focused on counties in the Gorge and Eastern Oregon and evaluated the potential increased or decreased risk for natural hazards, such as heat waves, cold waves, heavy rains, river flooding, drought, wildfire, poor air quality, windstorms, dust storms, increased invasive species, and loss of wetland ecosystems. Across the eight counties evaluated, the hazards most likely to increase with the effects of climate change are heat waves, heavy rains, river flooding, wildfires, increased invasive species, and loss of wetland ecosystems.⁹⁶

These anticipated changes point toward some of the ways that climate change is likely to impact ecological systems and the goods and services they provide. There is considerable uncertainty about how long it would take for some of the impacts to materialize and the magnitude of the associated economic consequences. Assuming

⁹² US Global Change Research Program. *National Climate Assessment*. 2018. <https://nca2018.globalchange.gov/>

⁹³ Oregon Global Warming Commission. *2018 Biennial Report to the Legislature*. 2018. <https://www.keeporegoncool.org/reports/>

⁹⁴ US Global Change Research Program. *National Climate Assessment*. “Chapter 24: Northwest.” 2018. <https://nca2018.globalchange.gov/chapter/24/>

⁹⁵ Mote, P., Salathe, E., Duliere, V., & Jump, E. (2008). *Scenarios of Future Climate for the Pacific Northwest*. Climate Impacts Group, University of Washington. March. <http://ces.washington.edu/db/pdf/moteetal2008scenarios628.pdf>; Littell, J.S., McGuire Elsner, M., Whitely Binder, L.C., and Snover, A.K. (eds). (2009). “The Washington Climate Change Impacts Assessment: Evaluating Washington’s Future in a Changing Climate - Executive Summary.” *In The Washington Climate Change Impacts Assessment: Evaluating Washington’s Future in a Changing Climate*, Climate Impacts Group, University of Washington. www.ces.washington.edu/db/pdf/wacciaexecsummary638.pdf; Madsen, T., & Figdor, E. (2007). *When it Rains, it Pours: Global Warming and the Rising Frequency of Extreme Precipitation in the United States*. Environment America Research & Policy Center and Frontier Group.; Mote, P.W. (2006). Climate-driven variability and trends in mountain snowpack in western North America. *Journal of Climate*, 19(23), 6209–6220.

⁹⁶ Mote, P.W., Abatzoglou, J., Dello, K.D., Hegewisch, K., & Rupp, D.E. (2019). Fourth Oregon Climate Assessment Report. Oregon Climate Change Research Institute. ocri.net/ocar4/; Oregon Climate Change Research Institute. *Climate Change Influence on Natural Hazards in Eight Oregon Counties*. August 2018. https://www.oregon.gov/lcd/CL/Documents/OCCRI_PDM16_AllCountyOverview2018.pdf

climate change proceeds as today's models predict, the Pacific Northwest will experience potential economic impacts:⁹⁷

- *Potential impact on agriculture and forestry.* Climate change may impact Oregon's agriculture through changes in growing season, temperature ranges, and water availability.⁹⁸ Climate change may impact Oregon's forestry through an increase in wildfires, a decrease in the rate of tree growth, a change in the mix of tree species, and increases in diseases and pests that damage trees.⁹⁹
- *Potential impact on tourism and recreation.* Impacts on tourism and recreation may range from (1) decreases in snow-based recreation if snowpack in the Cascades decreases, (2) negative impacts to tourism along the Oregon Coast as a result of damage and beach erosion from rising sea levels,¹⁰⁰ (3) negative impacts on availability of summer river recreation (e.g., river rafting or sports fishing) as a result of lower summer river flows, and (4) negative impacts on the availability of water for domestic and business uses.

Short-term national trends will also affect economic growth in the region, but these trends are difficult to predict. At times, these trends may run counter to the long-term trends described above. A recent example is the recession following the global COVID-19 pandemic. Despite efforts to mitigate the economic fallout from the virus by lowering interest rates and implementing federal stimulus packages, unemployment rates have risen 10.3 percentage points to 14.7% as of April 2020.¹⁰¹ While job losses have occurred in all major sectors, the sharpest declines have been in the airline, leisure and hospitality, casinos and gambling, automotive parts and equipment, and oil and gas drilling industries.¹⁰² As these industries recover, they will continue to play a significant role in the national, state, and local economy over the long run. This report takes a long-run perspective on economic

⁹⁷ The issue of global climate change is complex and there is a substantial amount of uncertainty about climate change. This discussion is not intended to describe all potential impacts of climate change but to present a few ways that climate change may impact the economy of cities in Oregon and the Pacific Northwest.

⁹⁸ Resource Innovations & Institute for a Sustainable Environment. (2005). *The Economic Impacts of Climate Change in Oregon: A Preliminary Assessment*.

https://scholarsbank.uoregon.edu/xmlui/bitstream/handle/1794/2299/Consensus_report.pdf?sequence=1

⁹⁹ Climate Leadership Initiative & Institute for Sustainable Environment. (2007). *Economic Impacts of Climate Change on Forest Resources in Oregon: A Preliminary Analysis*.

¹⁰⁰ Resource Innovations & Institute for a Sustainable Environment. (2005). *The Economic Impacts of Climate Change in Oregon: A Preliminary Assessment*.

https://scholarsbank.uoregon.edu/xmlui/bitstream/handle/1794/2299/Consensus_report.pdf?sequence=1

¹⁰¹ This is the highest unemployment rate and largest over-the-month increase in the history of the series with seasonally adjusted data reported since 1948. Bureau of Labor Statistics. (2020, May 8). *The Employment Situation – April 2020*. News Release, Bureau of Labor Statistics. Retrieved from:

<https://www.bls.gov/news.release/pdf/empst.pdf>.

¹⁰² Kumar, N., and Haydon, D. (2020, April 7). *Industries Most and Least Impacted by COVID 19 from a Probability of Default Perspective March 2020 Update*. *S&P Global*.

conditions (as the Goal 9 requirements intend) and does not attempt to predict the impacts of short-run national business cycles on employment or economic activity.

State Trends

Short-Term Trends

According to the Oregon Office of Economic Analysis (OEA), the Oregon economy is in a recession due to the COVID-19 pandemic and the resulting statewide shutdowns.¹⁰³ Although OEA's June 2020 *Oregon Economic and Revenue Forecast* stated that the current recession would be shorter than the Great Recession, the severity would be the deepest on record since 1939. As the economy begins to reopen in phases through 2020, the agency expects the economy to return to near prerecession levels by the middle of the 2020 decade.¹⁰⁴

Preliminary unemployment estimates in March and April 2020 indicate that approximately 267,000 jobs were lost statewide due to the pandemic.¹⁰⁵ This resulted in an unemployment rate increase from 3.8% in both January and February 2020 to 14.8% in April 2020, a difference of 11 percentage points.¹⁰⁶ As of May 2020, job losses were highest among workers with lower pay and lower among highly paid workers.

The OEA forecasts that there will be strong growth in the latter half of 2020, and though the agency anticipates a sizable rebound in economic activity, it expects a full recovery will take much longer, with jobs returning to early 2020 levels by mid-2024. To illustrate the impact of this rebound, OEA reported that it may take Oregon to depression levels similar to those seen in the state's early 1980s depression or the Great Recession.¹⁰⁷

In 2019, Oregon's average wage was at its highest point since the 1980s. Though the OEA forecasts an annual average wage increase of 4.5% in 2020, the agency estimates wages will contract by 0.1% in 2021 before growing by 3.0% in 2022, 4.2% in 2023, and 4.4% in 2024.¹⁰⁸

By the end of 2020, the OEA forecasts 225,100 jobs in Oregon's economy will be lost. This is an approximate 11.6% annual decrease in total nonfarm employment relative to 2019 levels.¹⁰⁹ Every employment sector, with the exception of government, is forecasted to decrease. The impacts on the leisure and hospitality sector are forecasted to be the most severe with a 29.7%

¹⁰³ Office of Economic Analysis. (2020). Oregon Economic and Revenue Forecast, June 2020. Vol. XL, No. 2, p. 1. <https://www.oregon.gov/das/OEA/Documents/forecast0620.pdf>.

¹⁰⁴ *Ibid*, p. 1.

¹⁰⁵ *Ibid*, p. 3.

¹⁰⁶ Oregon Employment Department, Local Area Unemployment Statistics (LAUS), Unemployment Rate estimates for the State of Oregon. Data retrieved on May 28, 2020.

¹⁰⁷ Oregon Economic and Revenue Forecast, June 2020. Vol. XL, No. 2, p. 4.

¹⁰⁸ *Ibid*, p. 32.

¹⁰⁹ *Ibid*, p. 32.

contraction, or approximately 81,500 jobs lost. Construction and manufacturing are forecasted to lose 16,700 (15.3% decrease) and 30,900 (15.6% decrease) jobs, respectively. Furthermore, retail trade is forecasted to lose nearly 13,600 jobs in 2020 or decrease by 13.6%.¹¹⁰

Oregon's household formation rate will be weaker over the medium term due to income loss, economic uncertainty, and in-migration reduction.¹¹¹ Housing starts in 2019 reached approximately 21,000 units. Through the end of 2020, however, the OEA forecasts a 21.7% contraction in housing starts for a total of about 16,200 units. In the years following the recession, they anticipate a partial recovery of housing starts in 2021 (3.0% increase), with growth increasing in velocity in 2022 (13.3% increase) and 2023 (13.1% increase) before settling to about 2.3% in 2024.¹¹²

Oregon's economic health is dependent on the export market, which was also affected by the COVID-19 pandemic. The value of Oregon exports in 2017 was \$22.3 billion. In 2019, the countries that Oregon exports to the most are China (31% of total Oregon exports), Canada (14%), Japan (7%), South Korea (6%), Malaysia (6%), and Vietnam (5%).¹¹³ Any strains on the relationship between the United States and China could impact Oregon's economy.¹¹⁴ Additionally, China's public debt burden poses a threat not only to the state and region but also to the global economy.¹¹⁵

Long-Term Trends

State, regional, and local trends will also affect economic development in Newberg over the next twenty years. The most important of these trends includes continued in-migration from other states, distribution of population and employment across the state, and change in the types of industries in Oregon.

- **Continued in-migration from other states.** Oregon will continue to experience in-migration (more people moving *to* Oregon than *from* Oregon) from other states, especially California and Washington, though to a lesser degree given the recession. From 1990 to 2017, Oregon's population increased by over 1.3 million, 66% of which was from people moving into Oregon (net migration). The average annual increase in population from net migration over the same time period was about 33,128. During the early to mid-1990s, Oregon's net migration was highest, reaching over 60,000 in 1991,

¹¹⁰ *Ibid*, p. 32.

¹¹¹ *Ibid*, p. 10.

¹¹² *Ibid*, p. 32.

¹¹³ United States Census Bureau. State Exports from Oregon, 2015–2019. <https://www.census.gov/foreign-trade/statistics/state/data/or.html>.

¹¹⁴ Office of Economic Analysis. Oregon Economic and Revenue Forecast, December 2019. Vol. XXXIX, No. 4, p. 3. <https://www.oregon.gov/das/OEA/Documents/forecast1219.pdf>.

¹¹⁵ *Ibid*, p. 14.

with another smaller peak of almost 42,100 in 2006. In 2019, net migration reached just over 47,500 persons.

- **Increasing ethnic diversity.** Oregon’s population has continued to get more ethnically and racially diverse, with the Latino population growing from 8% of the population in 2000 to 12% of the population in 2014–2018. The nonwhite population grew from 13% of the population to 15% of the population over the same period. The share of Latino and people of color populations increased in Newberg since 2000 as well.
- **Forecast of job growth.** Total nonfarm employment was forecasted to increase from about 1.94 million in 2019 to just over 2 million in 2023, but the OEA’s June 2020 economic and revenue forecast revises the 2023 employment estimate down to nearly 1.90 million, or by about 7%. Of private industry, the OEA forecasts job losses across the board in 2020 with an expectation of growth in the years following as economic activity and consumer confidence increases.¹¹⁶
- **Manufacturing is an important part of Oregon’s economy.** The manufacturing sector has long been a crucial component of Oregon’s economy. In the last decade, growth in Oregon’s manufacturing sector has outpaced that of the nation, growing by 23% compared to the nation’s 12%.¹¹⁷ The manufacturing sector also makes up a larger share of Oregon’s economy than it does in the nation with 10.2% of Oregon’s payroll employment in manufacturing compared to 8.5% for the nation in 2018.¹¹⁸

Manufacturing remains an important piece of Oregon’s economy and the sector is evolving. Only a few decades ago, Oregon’s manufacturing economy was predominantly dependent on forestry and wood products. But between 1990 and 2018, annual average employment in wood product manufacturing dropped by 22,600 jobs or 46%.¹¹⁹

Growth in Oregon’s electronic component manufacturing, however, has filled the gap left by the decline in wood manufacturing. In 2018, there were a total of 37,900 jobs in Oregon’s electronic component manufacturing (i.e., manufacturing of computer chips, computers and related equipment, and communications equipment), making it Oregon’s largest manufacturing industry. Employment in this industry is over six times more concentrated in Oregon than it is nationally and is driving much of the growth in Oregon manufacturing.¹²⁰

Continued growth, spurred by electronic component manufacturing, is expected in the future for Oregon’s manufacturing sector. Although Oregon’s economy is shifting, the state’s roots in forestry and wood-product manufacturing remain important,

¹¹⁶ Oregon Employment Department, Oregon Economic and Revenue Forecast, June 2020. Vol. XL, No. 2, p. 32.

¹¹⁷ Oregon Employment Department, Quarterly Census of Employment and Wages, 2018, qualityinfo.org.

¹¹⁸ *Ibid.*

¹¹⁹ *Ibid.*

¹²⁰ *Ibid.*

particularly for rural areas. Douglas County, for example, had 8.3% of its total employment and 10.7% of its total payroll in wood-product manufacturing in 2018.¹²¹

Exhibit 34 shows the change in Oregon’s employment between 2008 and 2018. Statewide, manufacturing employment remained relatively constant, decreasing by about 212 employees (or 0.01%) during the same time period. The largest decreases in manufacturing employment were in wood product, paper product, and transportation equipment manufacturing, while Oregon employment in industries such as food and beverage and machinery manufacturing increased (Exhibit 35). These growing industries in Oregon align with Newberg’s target industries defined in Chapter 3.

Exhibit 34. Change in Covered Employment by Industry, Oregon, 2008–2018

Sector	2008 Employment	2018 Employment	Change (Number)	Change (Percent)	AAGR
Natural resources and mining	50,707	53,550	2,843	6%	0.5%
Construction	92,816	104,573	11,757	13%	1.2%
Manufacturing	194,852	194,640	(212)	0%	-0.01%
Wholesale trade	80,269	75,286	(4,983)	-6%	-0.6%
Retail trade	196,066	211,081	15,015	8%	0.7%
Transportation, warehousing & utilities	55,927	63,299	7,372	13%	1.2%
Information	36,048	34,281	(1,767)	-5%	-0.5%
Finance and insurance	59,326	57,019	(2,307)	-4%	-0.4%
Real estate and rental and leasing	26,594	27,856	1,262	5%	0.5%
Professional and business services	195,413	248,698	53,285	27%	2.4%
Educational services	25,063	31,019	5,956	24%	2.2%
Health care and social assistance	187,779	257,934	70,155	37%	3.2%
Arts, entertainment, and recreation	23,164	27,480	4,316	19%	1.7%
Accommodation and food services	149,298	183,306	34,008	23%	2.1%
Other services	63,216	77,317	14,101	22%	2.0%
Unclassified	676	984	308	46%	3.8%
Government	277,655	272,481	(5,174)	-2%	-0.2%
Total	1,714,869	1,920,804	205,935	12%	1.1%

Source: Bureau of Labor Statistics, Quarterly Census of Employment and Wages, 2008–2018.

¹²¹ *Ibid.*

Exhibit 35. Change in Covered Employment for Manufacturing Industries (3-Digit NAICS), Oregon, 2008–2018

Industry (3-Digit NAICS)	2008 Employment	2018 Employment	Change (Number)	Change (Percent)	AAGR
Food manufacturing	23,412	29,871	6,459	28%	2.47%
Beverage & tobacco product manufacturing	3,246	6,790	3,544	109%	7.66%
Wood product manufacturing	26,692	23,462	(3,230)	-12%	-1.28%
Paper manufacturing	6,015	3,967	(2,048)	-34%	-4.08%
Printing and related support activities	6,794	4,655	(2,139)	-31%	-3.71%
Primary metal manufacturing	9,715	8,554	(1,161)	-12%	-1.26%
Machinery manufacturing	11,840	14,154	2,314	20%	1.80%
Transportation equipment manufacturing	15,135	12,176	(2,959)	-20%	-2.15%
Other manufacturing	92,005	91,011	(994)	-1%	-0.11%
Total (for Manufacturing Sector NAICS 31-33)	194,852	194,640	(212)	0%	-0.01%

Source: Bureau of Labor Statistics, Quarterly Census of Employment and Wages, 2008–2018.

- Advancements in technology and increases in automation of jobs.**¹²² In decades past, automation was focused on manufacturing. In the coming decades, jobs at risk for automation will tend to be those without “computerization bottlenecks” or jobs that do not require social intelligence, perception, creativity, or fine motor skills. Jobs in industries lacking a customer service component, such as those in transportation and material moving, are also at greater risk. Most researchers agree that “less-educated workers in low-skill, lower-wage jobs featuring routine tasks are those most likely to be displaced by automation.”¹²³ Oregon’s overall risk of automation is similar to the nation’s, with lower and middle-wage jobs at higher risk.

In 2017, 144,200 jobs in Oregon were found to be at risk of automation and 93% of jobs in food preparation and serving were found to be at risk.¹²⁴ However, automation risk does not imply automation certainty. For example, consumer preferences for personalized and genuine experiences/interactions will likely slow job automation, particularly in the food services and hospitality sectors. In addition, there is a notable difference between task automation and full automation of jobs. One research study speculates that only 5% of jobs are fully automated and that the “activities most susceptible to automation involve physical activities in highly structured and predictable environments, as well as the collection and processing of data.”¹²⁵

- Income and wages continue to increase.** Despite Oregon’s income and wages falling below the average among states, Oregon wages are at their highest point relative to

¹²² Portland Business Alliance. (2017). Automation and the Future of Work. <https://portlandalliance.com/assets/pdfs/2017-VOJ-Automation-summary.pdf>

¹²³ Marcus Casey and Sarah Nzau. (2019). Searching for clarity: How much will automation impact the middle class? Brookings.

¹²⁴ Portland Business Alliance. (2017). Automation and the Future of Work. <https://portlandalliance.com/assets/pdfs/2017-VOJ-Automation-summary.pdf>

¹²⁵ McKinsey & Company. (2017). A Future that Works: Automation, Employment, and Productivity.

other states since the recession in the early 1980s, mainly due to the wage growth over the last two to three years. In 2018, the average annual wage in Oregon was \$53,053 and the median household income was \$60,212 (compared to the national average wage of \$57,266 and the national household income of \$60,336).¹²⁶ Total personal income (all classes of income, minus Social Security contributions, adjusted for inflation) in Oregon is expected to increase by 22%, from \$214.3 billion in 2019 to \$312.4 billion in 2027.¹²⁷ Per capita income is expected to increase by 16% over the same time period, from \$50,200 in 2018 to \$64,400 in 2027 (in nominal dollars).¹²⁸ The economic fallout from the COVID-19 pandemic is likely to slow, or possibly eliminate, income growth at least through the resulting recession.

- **Small businesses continue to account for a large share of employment in Oregon.**

While small firms played a large part in Oregon’s expansion between 2003 and 2007, they also suffered disproportionately in the recession and its aftermath (64% of the net jobs lost between 2008 and 2010 was from small businesses).

In 2017 small businesses (those with 100 or fewer employees) accounted for 95% of all businesses and 66% of all private-sector employment in Oregon. Said differently, most businesses in Oregon are small (in fact, 78% of all businesses have fewer than 10 employees), but the largest share of Oregon’s employers work for large businesses (those with more than 100 employees).¹²⁹ The average annualized payroll per employee for small businesses was \$39,099 in 2017, which is considerably less than that for large businesses (\$56,466) and the statewide average for all businesses (\$49,548).¹³⁰

Younger workers are important for the continued growth of small businesses across the nation. More than one-third of millennials (those born between 1980 and 1999) are self-employed, with approximately one-half to two-thirds interested in becoming an entrepreneur. According to the Kauffman Indicators of Entrepreneurship, in 2018, about 79% of start-ups nationwide were still active after one year. On average, start-ups nationwide created approximately 5.2 jobs in their first year (when normalized by population).¹³¹ It is typically the case that start-ups are important for job creation on a

¹²⁶ Average annual wages are for “total, all industries,” which includes private and public employers. Oregon Quarterly Census of Employment and Wages, 2018. Retrieved from: <https://www.qualityinfo.org>; Bureau of Labor Statistics, Quarterly Census of Employment and Wages, 2017; Total, US Census American Community Survey 1-Year Estimates, 2017, Table B19013.

¹²⁷ Office of Economic Analysis. Oregon Economic and Revenue Forecast, September 2018. Vol. XXXVIII, No. 3, page 39.

¹²⁸ *Ibid*, page 39.

¹²⁹ US Census Bureau, 2017 Statistics of US Businesses, Annual Data, Enterprise Employment Size, US and States. <https://www.census.gov/data/tables/2017/econ/susb/2017-susb-annual.html>.

¹³⁰ *Ibid*.

¹³¹ Kauffman Foundation. *Kauffman Indicators of Entrepreneurship*. Indicators: Startup Early Job Creation and Startup Early Survival Rate. Information retrieved on December 19, 2019. <https://indicators.kauffman.org/data-table>

longer-time horizon, well beyond their first year, as “fewer than half of all startups in America are still in business after five years.”¹³²

- **Entrepreneurship in Oregon.** The creation of new businesses is vital to Oregon’s economy, as their formations generate new jobs and advance new ideas and innovations into markets. They also can produce more efficient products and services to better serve local communities. According to the Kauffman Index, Oregon ranked twenty-fifth in the country in 2018 for its start-up activity, a measurement comprised of four statistics: rate of new entrepreneurs, opportunity share of new entrepreneurs, start-up density, and start-up early survival rate.¹³³ This ranking is lower than its 2017 rank of thirteen. Oregon’s rate of new entrepreneurs (the percent of adults that became an entrepreneur in a given month) was in steady decline postrecession, but since 2013, has gradually recovered until 2018 where it dropped to 0.27%. This rate is below 2017’s rate of 0.32% and well below Oregon’s prerecession peak of 0.43% in 2000.

Moreover, in 2018, the Oregon Office of Economic Analysis reports new business applications in Oregon are increasing. They do, however, simultaneously note start-up businesses “are a smaller share of all firms than in the past.”¹³⁴ Though this measurement of economic activity does not constitute a full understanding of how well entrepreneurship is performing, it does provide an encouraging signal.

¹³² Nish Acharya. “Small Business Are Having A Bigger Impact on Job Creation Than Large Corporations.” *Forbes*, May 5, 2019. <https://www.forbes.com/sites/nishacharya/2019/05/05/who-is-creating-jobs-in-america/#5c74c156597d>

¹³³ Kauffman Foundation. The Kauffman Index, Oregon. <https://indicators.kauffman.org/data-table>

¹³⁴ Lehner, Josh. (August 2018). “Start-Ups, R&D, and Productivity.” Salem, OR: Oregon Office of Economic Analysis. Retrieved from: <https://oregoneconomicanalysis.com/2018/08/27/start-ups-rd-and-productivity/>.

Regional and Local Trends

Throughout this section and the report, Newberg is compared to Yamhill County and the State of Oregon. These comparisons are to provide context for changes in Newberg’s socioeconomic characteristics.

Availability of Labor

The availability of trained workers in Newberg will impact development of its economy over the planning period. A skilled and educated populace can attract well-paying businesses and employers and spur the benefits that follow from a growing economy. Key trends that will affect the workforce in Newberg over the next twenty years include its growth in its overall population, growth in the senior population, and commuting trends.

Population Change

Population growth in Oregon tends to follow economic cycles. Oregon’s population grew from 2.8 million people in 1990 to 4.2 million people in 2019, an increase of about 1,394,000 people or 1.4% each year. In the most recent decade (i.e., 2010 to 2019), the state’s average annual growth rate fell slightly from 1.4% to 1.1%.

Between 1990 and 2019, Newberg’s population increased by 10,959 residents at an average annual rate of 2.1%, exceeding both Yamhill County and Oregon’s growth rates during the same time period (1.7% and 1.4%, respectively).

Exhibit 36. Population Growth, Newberg, Yamhill County, and Oregon, 1990–2018

Geography	1990	2000	2010	2019	Change, 1990 - 2019		
					Number	Percent	AAGR
Newberg	13,086	18,064	22,068	24,045	10,959	84%	2.1%
Yamhill County	65,551	84,992	99,193	108,060	42,509	65%	1.7%
Oregon	2,842,321	3,421,399	3,831,074	4,236,400	1,394,079	49%	1.4%

Source: US Census Bureau, 1990, 2000, and 2010. Portland State University Population Estimates, 2019.

Age Distribution

By 2060, the population of people 65 years and older in the United States is projected to nearly double from 52 million in 2018 to 95 million.¹³⁵ The economic effects of this demographic change include a slowing in the growth of the labor force, a need for workers to replace retirees, an aging of the workforce for seniors that continue working after age 65, an increase in the demand for health-care services, and an increase in the percent of the federal budget dedicated to Social Security and Medicare.¹³⁶

Exhibit 37 through Exhibit 40 show the following trends:

- Newberg’s population is aging slower than the populations in Yamhill County and the state overall per their respective median ages. During the 2014–2018 period, 18% of Newberg residents were 60 years and older compared to 32% of residents between the ages of 20 and 39 (Exhibit 39). This suggests that Newberg is attracting more people in their early adult lives.
- Yamhill County’s population is expected to continue aging, with people 60 years and older increasing from 25% of the population in 2020 to 28% in 2045. This is consistent with statewide trends. Yamhill County may continue to attract those in their late adult years (i.e., 70 years and older) over the planning period. While the share of retirees in these respective areas may increase over the next twenty years, the share of people nearing retirement (i.e., 55 to 69 years old) or in their early adult lives (i.e., 20 to 39 years old) is likely to decrease.

Newberg’s median age has increased by about 3.6 years since 2000, a change slightly smaller than Yamhill County’s change of 4 years, but larger than Oregon’s change of 2.9.

Exhibit 37. Median Age, Newberg, Yamhill County, and Oregon, 2000 to 2014–2018

Source: US Census Bureau, 2000 Decennial Census, Table P013; American Community Survey 2014–2018 5-Year Estimates, Table B01002.

2000	30.1 Newberg	34.1 Yamhill County	36.3 Oregon
2014-18	33.7 Newberg	38.1 Yamhill County	39.2 Oregon

This increase suggests Newberg is attracting more workers in their later adult lives.

¹³⁵ Mather, M., Scommegna, P., & Kilduff, L. (2019). Fact Sheet: Aging in the United States. <https://www.prb.org/aging-unitedstates-fact-sheet/>

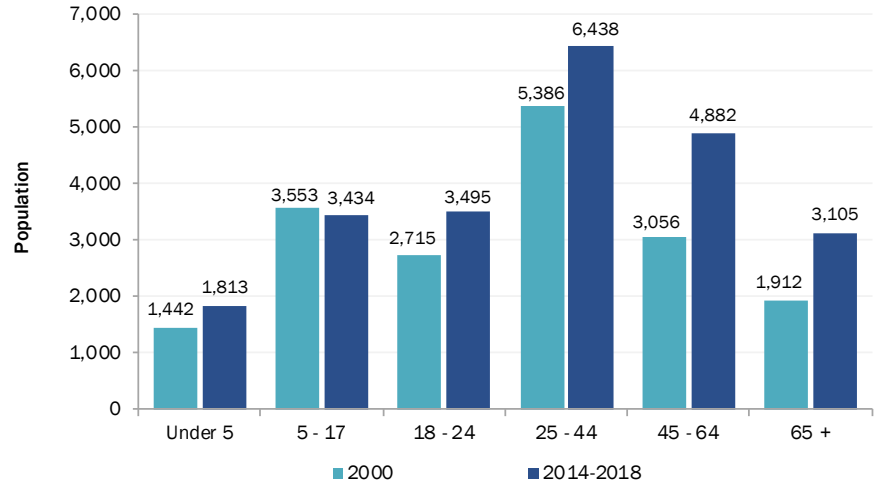
¹³⁶ The Board of Trustees, Federal Old-Age and Survivors Insurance and Federal Disability Insurance Trust Funds, 2017, The 2017 Annual Report of the Board of Trustees of the Federal Old-Age and Survivors Insurance and Federal Disability Insurance Trust Funds, July 13, 2017. The Budget and Economic Outlook: Fiscal Years 2018 to 2028, April 2018.

Over 2000 to 2014–2018, Newberg’s largest population increases were for those aged 45–64 and 65 years and older.

This is consistent with statewide trends.

Exhibit 38. Newberg Population Change by Age Group, 2000 to 2014–2018

Source: US Census Bureau, 2000 Summary File; American Community Survey 2014–2018 5-Year Estimates, Table B01001.



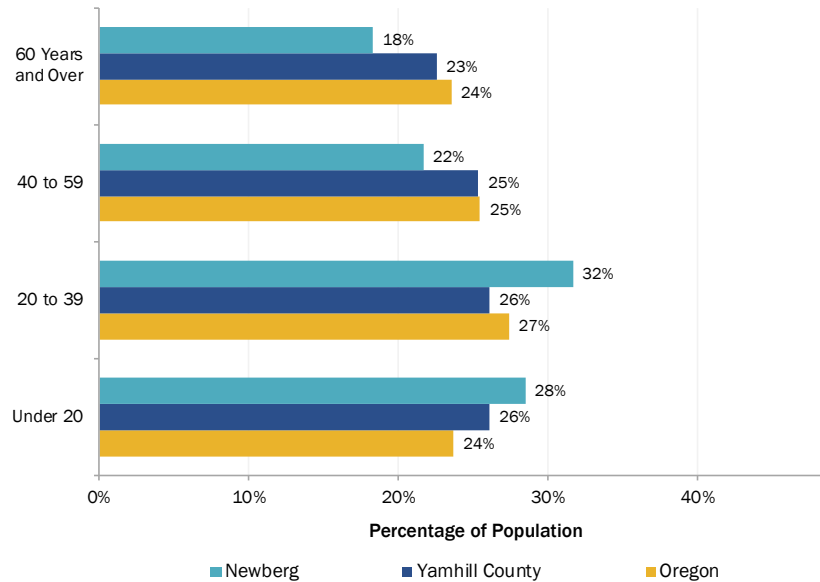
During the 2014–2018 period, 18% of Newberg residents were over 60 years of age.

The proportion of Newberg’s older residents was lower than that of both the state and Yamhill County.

Conversely, the proportion of Newberg residents 39 years of age and younger was larger relative to Yamhill County and Oregon.

Exhibit 39. Population Distribution by Age, Newberg, Yamhill County, and Oregon, 2014-2018

Source: US Census Bureau, American Community Survey, 2014–2018 5-Year Estimates, Table B01001.

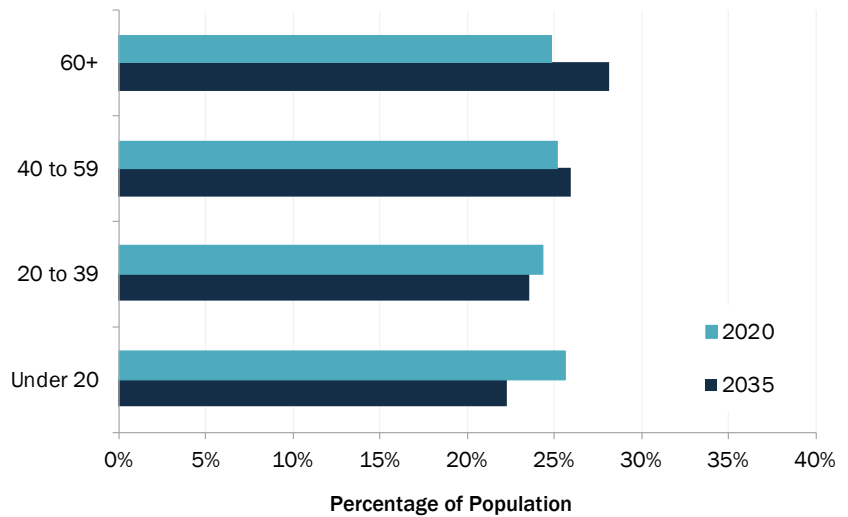


By 2045, Yamhill County will have a larger share of residents 60 years and older than it does today.

The share of residents 60 years and older will account for 28% of Yamhill County's population, compared to 25% in 2020.

Exhibit 40. Population Growth by Age Group, Yamhill County, 2020-2045

Source: Portland State University, College of Urban & Public Affairs: Population Research Center, Population Forecast, 2020.



Race and Ethnicity

Newberg, like Oregon overall, is becoming more racially and ethnically diverse. Both the Hispanic and Latino population and the populations of people of color increased in Newberg between 2000 and 2014–2018. The Hispanic and Latino population increased from 11% to 14%, while the nonwhite population increased from 10% to 12%. Similar to the city, Yamhill County’s population of people of color increased slightly from 11% to 12%, and the Hispanic and Latino population grew from 11% to 16% during the same time period. Newberg is more ethnically diverse than the state, so providing culturally specific services to Spanish-speaking community members can help improve their participation in the workforce and economy.

The population of people of color is defined as the share of the population that identifies as another race other than “white alone” according to Census definitions. The small population in Newberg results in small sample sizes, and thus the margin of error is considerable for the estimate of these populations.

Exhibit 41 and Exhibit 42 show the change in the share of the Hispanic and Latino population and the populations of people of color in Newberg, compared to Yamhill County and Oregon between 2000 and 2014–2018. The group with the largest share of the population of people of color in 2014–2018 included those that identify as “some other race alone,” representing 6% of Newberg’s total population.¹³⁷

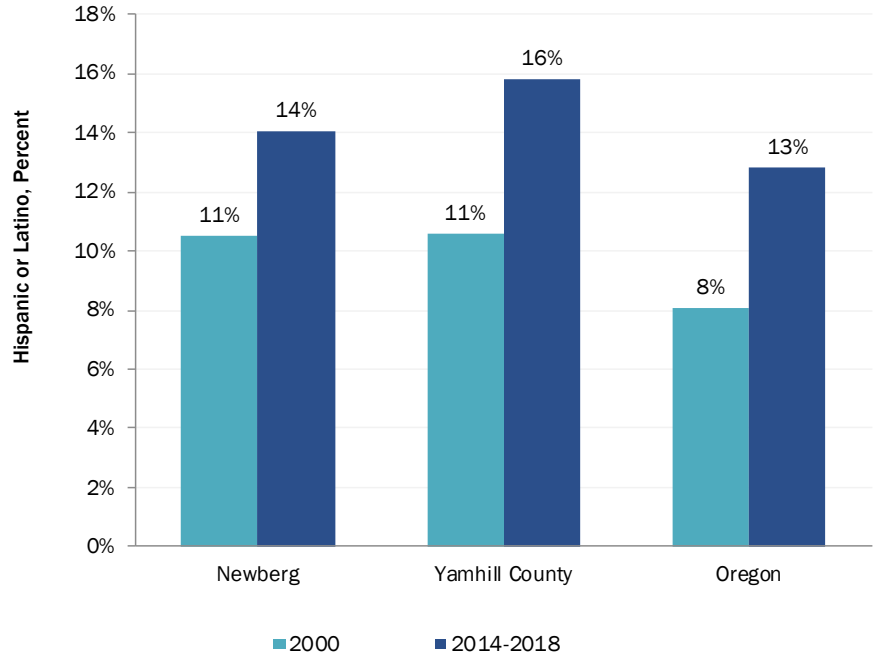
¹³⁷ “Some other race alone” also includes individuals who identify as American Indian or Alaska Native or Native Hawaiian and other Pacific Islander.

Newberg’s Hispanic/Latino population increased between 2000 and 2014–2018 from 11% to 14%.

Newberg is more ethnically diverse than the state but less so than Yamhill County.

Exhibit 41. Hispanic and Latino Population as a Percent of the Total Population, Newberg, Yamhill County, and Oregon, 2000, 2014–2018

Source: US Census Bureau, 2000 Decennial Census, Table P008; 2014–2018 American Community Survey, 2014-2018 5-Year Estimates, Table B03002.



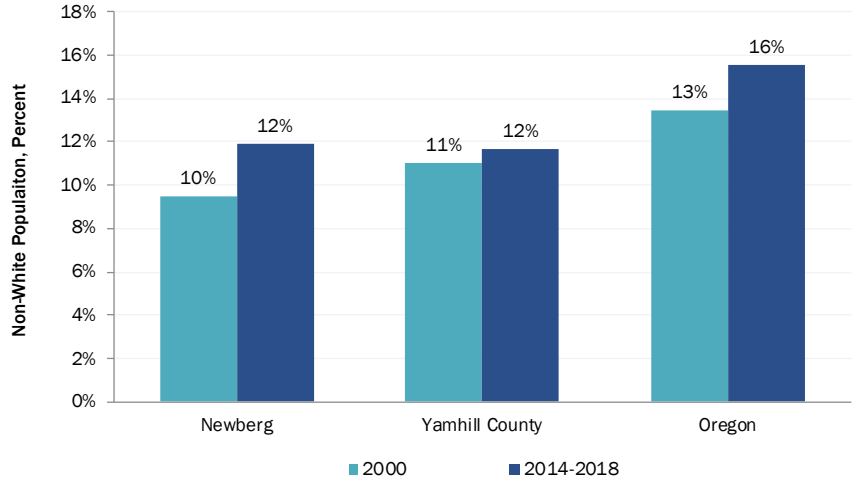
The population of people of color in Newberg increased between 2000 and 2014–2018.

Newberg and Yamhill County are less racially diverse than the state. In 2014–2018, the share of the population of people of color in both Newberg and Yamhill County was 12% compared to 16% statewide.

During this same time period, the group with the largest share of the population of people of color was “some other race alone,” representing 6% of Newberg’s residents.

Exhibit 42. Population of People of Color as a Percent of the Total Population, Newberg, Yamhill County, and Oregon, 2000, 2014–2018

Source: US Census Bureau, 2000 Decennial Census Table P007; 2014–2018 American Community Survey, 2014-2018 5-Year Estimates, Table B02001.



Income

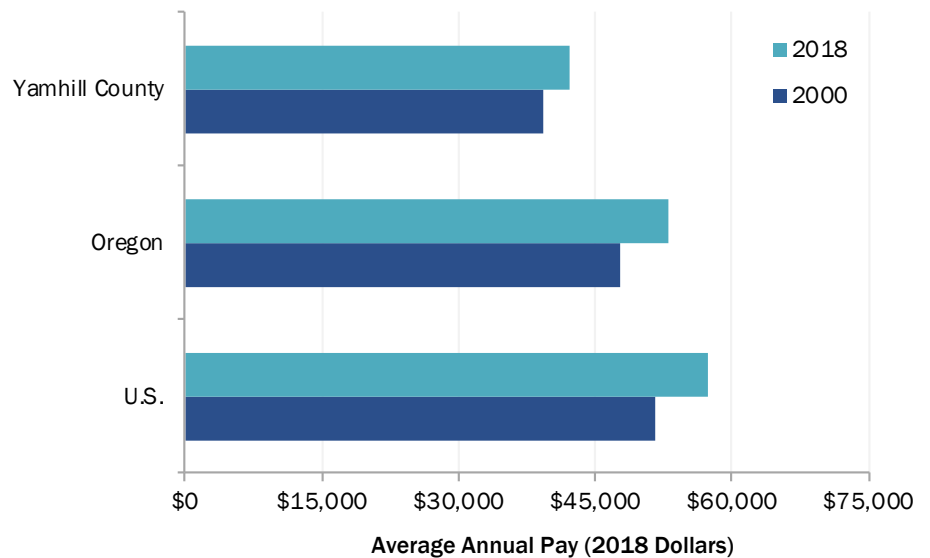
Income and wages affect business decisions for locating in a city. Areas with higher wages may be less attractive for industries that rely on low-wage workers. Newberg’s median household income (\$56,599) was below the county median (\$59,484). In 2018, average wages at private businesses in Newberg (\$43,480) were higher than the county average (\$42,302).

Between 2000 and 2018, Yamhill County’s average wages increased as did average wages across the state and the nation. When adjusted for inflation, average annual wages grew by 8% in Yamhill County and 11% in both Oregon and across the nation.

From 2000 to 2018, average annual wages rose in Yamhill County, Oregon, and the nation.

In 2018, average annual wages were \$42,302 in Yamhill County, \$53,053 in Oregon, and \$57,266 across the nation.

Exhibit 43. Average Annual Wage, Covered Employment, Yamhill County, Oregon, and the U.S., 2000 to 2018, Inflation-Adjusted 2018 Dollars
Source: Bureau of Labor Statistics, Quarterly Census of Employment and Wages; State of Oregon Employment Department, Employment and Wages by Industry (QCEW).



Over the 2014–2018 period, the median household income in Newberg was 5% below Yamhill County’s and Oregon’s median household income.

Exhibit 44. Median Household Income (MHI),¹³⁸ 2014–2018
Source: US Census Bureau, American Community Survey 2014–2018 5-Year Estimates, Table B19013.

\$56,599 Newberg	\$59,484 Yamhill County	\$59,393 Oregon
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¹³⁸ The Census calculated household income based on the income of all individuals 15 years old and over in the household, whether they were related or not.

Newberg median family income during the 2014–2018 period, similar to median household income, was below the median family income of both Yamhill County and Oregon by 8% and 11%, respectively.

Exhibit 45. Median Family Income,¹³⁹ 2014–2018

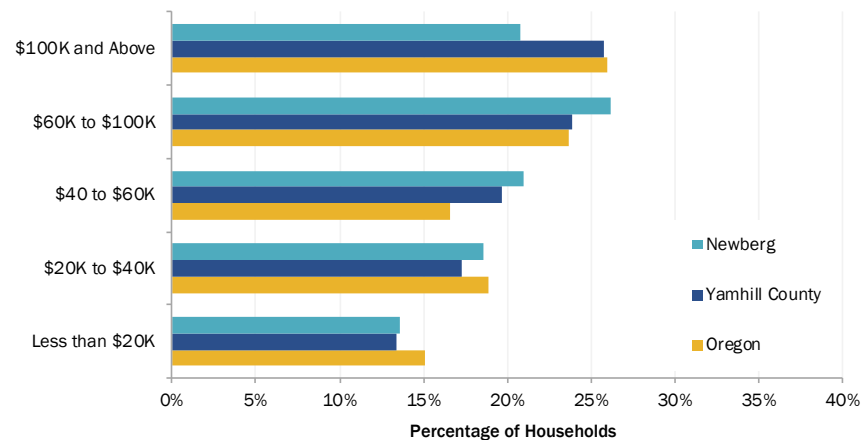
Source: US Census Bureau, American Community Survey 2012–2016 5-Year Estimates, Table B19113.

\$65,557 Newberg	\$70,813 Yamhill County	\$72,823 Oregon
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During the 2014–2018 period, 32% of Newberg households earned less than \$40,000 annually, compared to 31% of Yamhill County households and 34% of Oregon households.

Exhibit 46. Household Income by Income Group, Newberg, Yamhill County, and Oregon, 2014–2018, Inflation-Adjusted 2018 Dollars

Source: US Census Bureau, American Community Survey 2014–2018 5-Year Estimates, Table B19001.



Over the same period, 21% of Newberg households earned between \$40,000 and \$59,999, a proportion larger than both Yamhill County residents (20%) and residents statewide (17%).

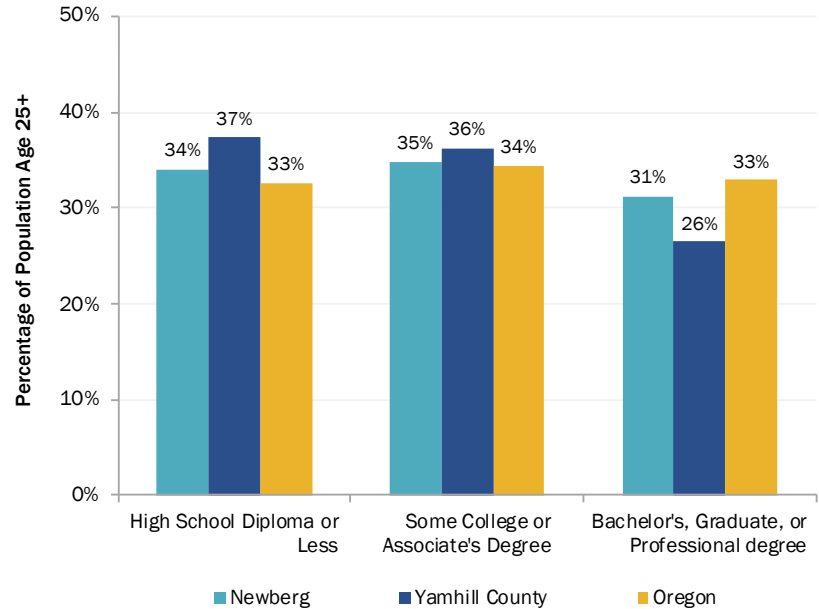
¹³⁹ The Census calculated family income based on the income of the head of household, as identified in the response to the Census forms, and income of all individuals 15 years old and over in the household who were related to the head of household by birth, marriage, or adoption.

Educational Attainment

The availability of trained, educated workers affects the quality of labor in a community. Educational attainment is an important labor force factor because firms need to be able to find educated workers.

Newberg's residents are consistent with residents statewide regarding their completion of some college or attainment of an associate degree. The proportion of Newberg residents who have a bachelor's degree or a professional degree falls slightly below the state but is higher relative to Yamhill County.

Exhibit 47. Educational Attainment for the Population 25 Years and Over, Newberg, Yamhill County, and Oregon, 2014–2018
Source: US Census Bureau, American Community Survey 2014–2018 5-Year Estimates, Table B15003.



Labor Force Participation and Unemployment

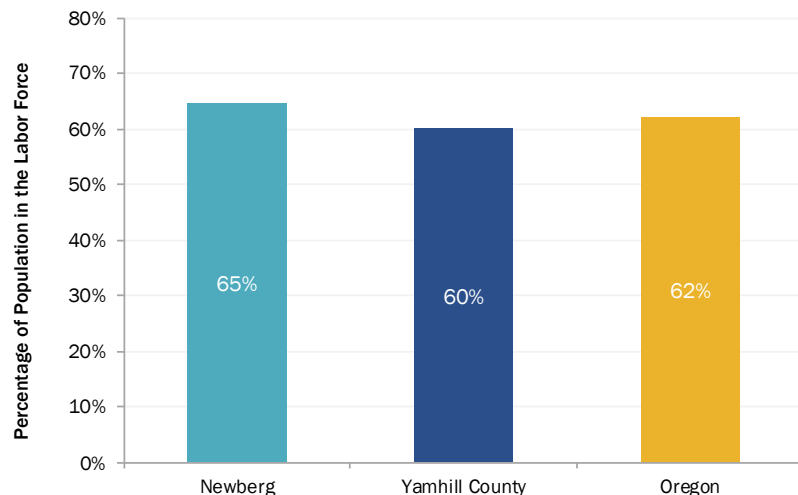
The current labor force participation rate is an important consideration in the availability of labor. The labor force in any market consists of the adult population (16 and over) who are working or actively seeking work. The labor force includes both the employed and unemployed. Children, retirees, students, and people who are not actively seeking work are not considered part of the labor force. According to the 2014–2018 American Community Survey, Yamhill County had 49,802 people in its labor force during that period and Newberg had 11,987 people in its labor force.

In 2019, the Oregon Office of Economic Analysis reported that 64% of job vacancies were difficult to fill. The most common reason for difficulty in filling jobs included a lack of applications (29% of employers' difficulties), unfavorable working conditions (23%), a lack of qualified candidates (16%), a lack of soft skills (8%), a lack of work experience (7%), and low wages (7%).¹⁴⁰ These statistics indicate a mismatch between the types of jobs that employers are demanding and the skills that potential employees can provide.

Newberg has a higher labor force participation rate relative to both Yamhill County and Oregon.

Exhibit 48. Labor Force Participation Rate, Newberg, Yamhill County, and Oregon, 2014–2018

Source: US Census Bureau, American Community Survey 2012–2016 5-Year Estimates, Table B23001.



¹⁴⁰ Oregon's Current Workforce Gaps: Hiring Challenges for Unfilled Job Vacancies, May 2019. Employer-Provided Reasons for Difficulty Filling Vacancies in Oregon, 2018. p. 20.

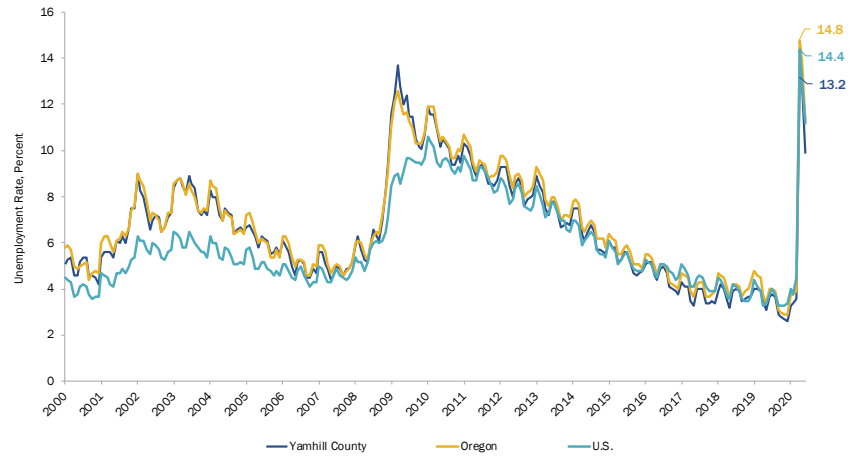
<https://www.qualityinfo.org/documents/10182/13336/Oregon%27s+Current+Workforce+Gaps>.

The unemployment rates in Yamhill County, Oregon, and the nation have declined since the Great Recession. However, since the pandemic, unemployment rates for the month of April 2020 exceeded the peak rate experienced during the Great Recession.

In April 2020, the unemployment rate for Yamhill County (13.2%) was lower than Oregon (14.8%) and the nation (14.4%).

Exhibit 49. Unemployment Rate, Yamhill County, Oregon, and the U.S., 2000–April 2020

Source: Bureau of Labor Statistics, Local Area Unemployment Statistics and Labor Force Statistics.



Commuting Patterns

Commuting plays an important role in Newberg's economy because employers in the area are able to access workers from people living in cities across Yamhill County and from the broader Portland and Willamette Valley regions.

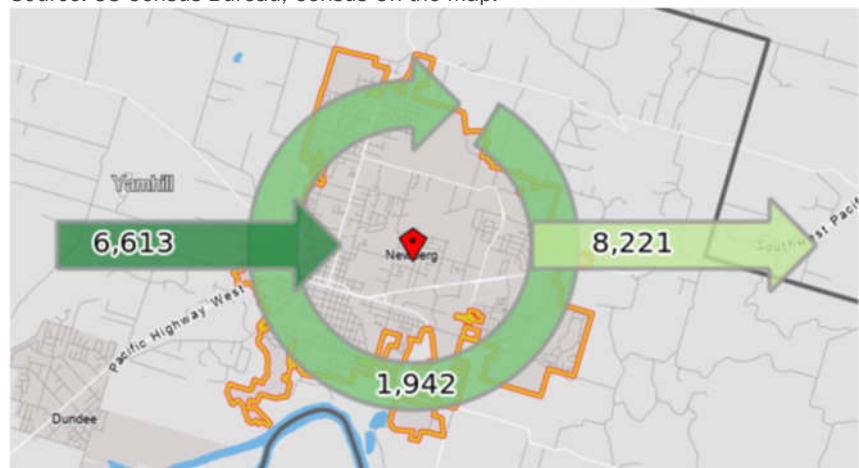
Exhibit 50 shows that 9% of people who live in Newberg commute to Portland while 19% remain in Newberg. Collectively, 24% of Newberg residents commute to Tigard, Beaverton, Tualatin, and Hillsboro (i.e., 6% to each location). The remaining workers commute from other cities located across the region.

Newberg is part of an interconnected regional economy.

Fewer people both live and work in Newberg than commute into or out of the city for work. This commuting pattern is similar to Yamhill County in that more people commute to areas outside of the county for work than live and work within the county.

Exhibit 50. Commuting Flows, Newberg, 2017

Source: US Census Bureau, Census On the Map.



About 23% of all people who work in Newberg also live in Newberg.

Exhibit 51. Places Where Newberg Workers Lived,¹⁴¹ 2017

Source: US Census Bureau, Census On the Map.



¹⁴¹ In 2017, 8,555 people worked at businesses in Newberg, with 23% (1,942) of people employed and working in Newberg.

About 19% of residents who live in Newberg also work in Newberg.

Nine percent of Newberg residents commute to Portland for work.

Exhibit 52. Places Where Newberg Residents Were Employed,¹⁴² 2017

Source: US Census Bureau, Census On the Map.

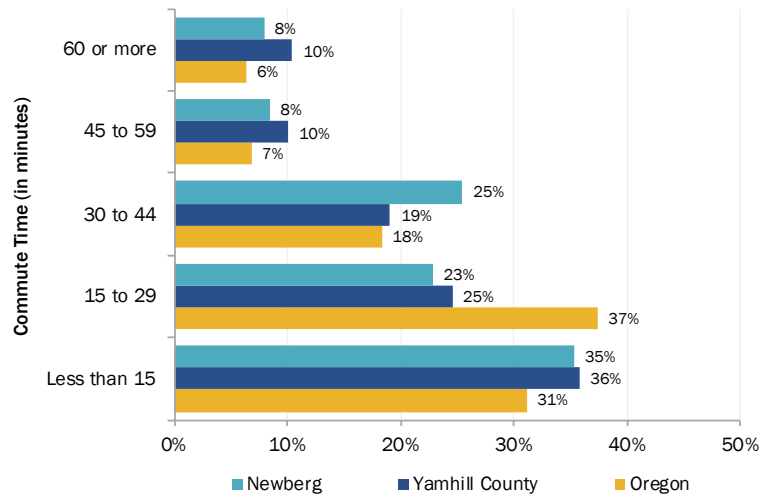


During the 2014–2018 period, about 35% of Newberg residents had a commute of less than 15 minutes, compared to 36% of Yamhill County’s residents and 31% of Oregon residents.

The majority of Newberg residents (65%) have a commute time over 15 minutes. This is consistent with Yamhill County, where 64% of county residents have a commute time of this length.

Exhibit 53. Commute Time by Place of Residence, Newberg, Yamhill County, and Oregon, 2014–2018

Source: US Census Bureau, American Community Survey 2014–2018 5-Year Estimates, Table B08303.



¹⁴² In 2018, 11,987 residents in Newberg worked, with 16% of Newberg residents (1,942) both living and employed in Newberg in 2017.

Tourism in Willamette Valley and Yamhill County

Longwoods International provides regional statistics on travel. The following information is from Longwoods International’s 2017 Regional Visitor Report for the Willamette Valley region, which is comprised of Benton, Clackamas (South), Lane (East), Linn, Marion, Polk, and Yamhill Counties.¹⁴³ Broadly, travelers to the Willamette Valley accounted for:¹⁴⁴

- 5.5 million overnight trips in 2017, or 16% of all Oregon overnight travel that year.
- The primary market areas for travelers over 2016 and 2017 were Oregon, Washington, and California: 48% of Willamette Valley visitors came from Oregon, 19% came from California, and 14% came from Washington.
- About 75% of visitors stayed 2 or fewer nights in the Willamette Valley in 2016 and 2017, 20% stayed 3–6 nights, and 5% stayed 7 or more nights. The average nights spent in the Willamette Valley region was 2.3.
- The average per-person expenditures on overnight trips in 2017 ranged from \$13 on transportation at destination to \$41 per night on lodging.
- About 75% of visits to the Willamette Valley region over 2016 and 2017 were via personally owned automobiles, 18% were by rental car, and 13% were via an online taxi service (e.g., Lyft or Uber).
- Over 2016 and 2017, visitors tended to be middle-aged adults, with the average age being about 48.7. The majority of overnight visitors were 65 and older (23%), followed by those between the ages of 55 and 64 (19%) and individuals between the ages of 35 and 44 (19%). About 56% of visitors graduated college or completed a postgraduate education. Additionally, 44% of visitor earned less than \$50,000 in household income, 37% earned between \$50,000 and \$99,999, and 19% earned more than \$100,000. The average household income for the Willamette Valley region visitors was about \$64,560.

Yamhill County’s direct travel spending increased 49% from 2000 to 2018.

The Willamette Valley region’s direct travel spending increased by 139% over the same period.

Exhibit 54. Direct Travel Spending (\$ millions), 2000 and 2018
Source: Dean Runyan Associates, Oregon Travel Impacts, 1991–2018, and Dean Runyan Associates, Oregon Travel Impacts, 1992–2018.

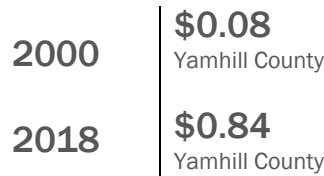
2000	\$1,019.9	\$56.7
	Willamette Valley Region	Yamhill County
2018	\$1,984.4	\$135.7
	Willamette Valley Region	Yamhill County

¹⁴³ Travel Oregon. “Oregon 2017 Regional Visitor Report Willamette Valley Region,” Longwoods International, October 2018. Retrieved from: <https://industry.traveloregon.com/resources/research/willamette-valley-oregon-overnight-travel-study-2017-longwoods-international/>.

¹⁴⁴ Longwoods International issues caution in interpreting these tourism estimates in Central Oregon, as the sample size for this region is low.

Yamhill County's lodging tax receipts increased 967% over 2000 to 2018.

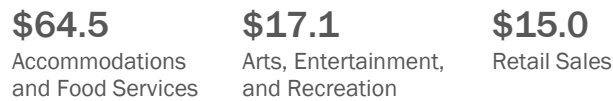
Exhibit 55. Lodging Tax Receipts (\$ millions), 2000 and 2018
Source: Dean Runyan Associates, Oregon Travel Impacts, 1991-2017.



Yamhill County's largest visitor spending for purchased commodities is accommodation and food services.

Exhibit 56. Largest Visitor Spending Categories (\$ millions), Yamhill County, 2018

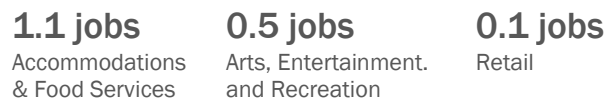
Source: Dean Runyan Associates, Oregon Travel Impacts.



Yamhill County's largest employment generated by travel spending is in the accommodations and food services industry.

Exhibit 57. Largest Industry Employment Generated by Travel Spending (thousands), Yamhill County, 2018

Source: Dean Runyan Associates, Oregon Travel Impacts.



The number of overnight visitors to Yamhill County has increased from 1,683,000 in 2016 to 1,773,000 in 2018, an increase of 90,000 overnight stays or 5.3%.

Appendix B. Buildable Lands Inventory

The buildable lands inventory is intended to identify commercial and industrial lands that are available for development for employment uses within the Newberg UGB. The inventory is sometimes characterized as *supply* of land to accommodate anticipated employment growth. Population and employment growth drive *demand* for land. The amount of land needed depends on the type of development and other factors.

This appendix presents results of the commercial and industrial buildable lands inventory for the Newberg UGB. The results are based on analyses of Yamhill County and State of Oregon GIS data by ECONorthwest and reviewed by City staff. The remainder of this appendix summarizes key findings of the buildable lands inventory.

Methods and Definitions

The BLI for Newberg includes all land that allows commercial and industrial uses within the UGB. From a practical perspective, land was included in the BLI if it met all of the following criteria: 1) it is inside the Newberg UGB, 2) it is inside a tax lot (as defined by Yamhill County), and 3) if its current zoning/comprehensive plan designation allows employment uses. Note that tax lots do not generally include road or railroad rights-of-way or water. The inventory then builds from the tax lot-level database to estimate buildable land by plan designation.

Inventory Steps

The steps in the BLI are:

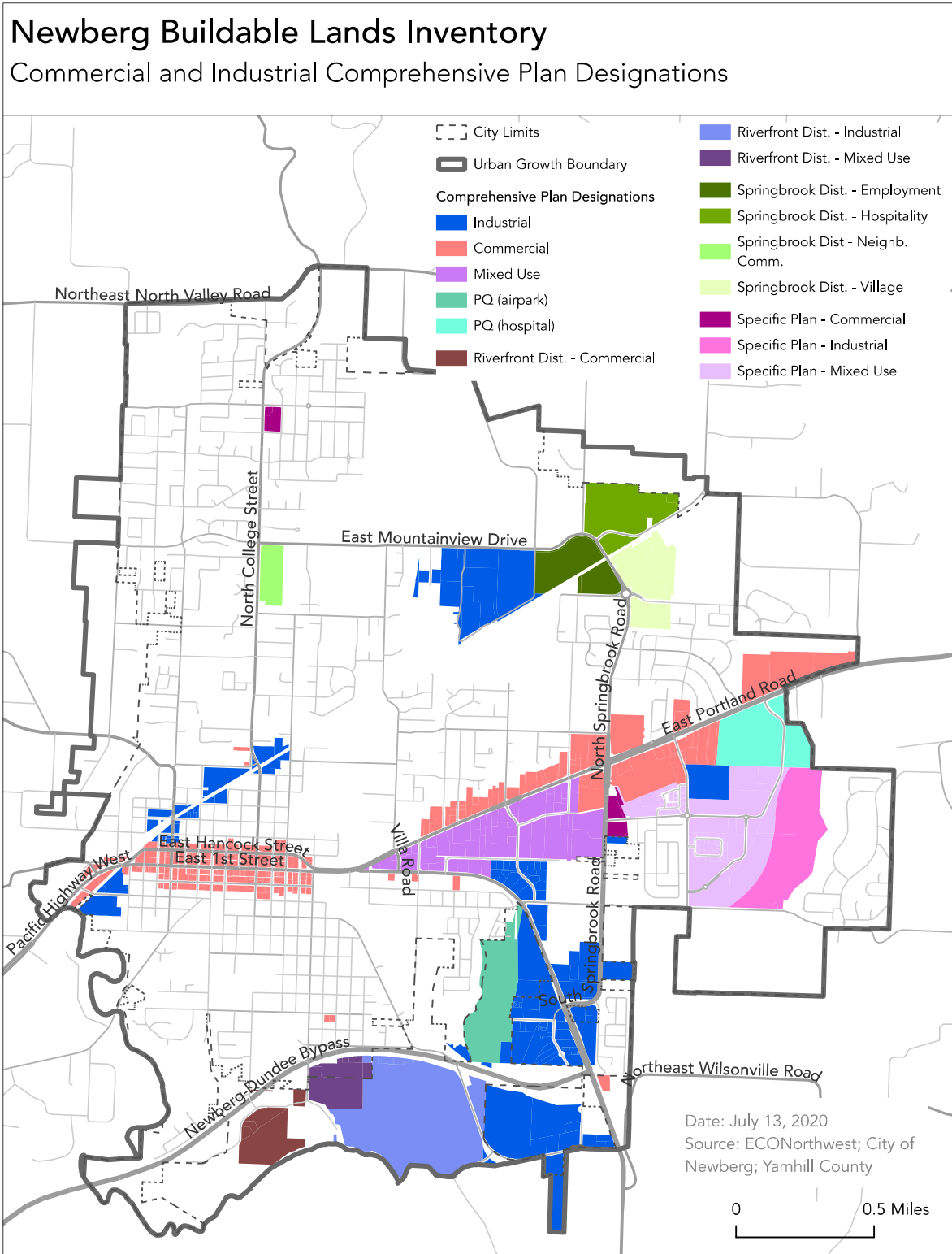
1. Generate UGB “land base”
2. Classify lands by development status
3. Identify constraints
4. Verify inventory results
5. Tabulate and map results

Step 1: Generate UGB “Land Base”

The commercial and industrial inventory will use all of the tax lots in the Newberg UGB with the appropriate plan designations. Specific designations that were used include:

- Commercial
 - COM - Commercial
 - SD/V - Springbrook District – Village
 - SD/NC - Springbrook District – Neighborhood Commercial
 - SD/H - Springbrook District – Hospitality
 - COM/RD - Commercial Riverfront
 - COM/SP - Specific Plan
- Industrial
 - IND - Industrial
 - IND/RD - Industrial Riverfront
 - IND/SP - Specific Plan
 - SD/E - Springbrook District – Employment
- Mixed Use
 - MIX - Mixed-Use
 - MIX/SP - Specific Plan
 - MIX/RD - Riverfront District
- PQ areas with employment uses

Exhibit 58. Commercial and Industrial Comprehensive Plan Designations Included in the BLI



Step 2: Classify Lands

In this step, ECONorthwest classified each tax lot with an employment plan designation (based on definition above) into one of five mutually exclusive categories based on development status:

- Developed land
- Vacant land
- Potential infill land
- Undevelopable land
- Public or exempt land

ECONorthwest identified buildable land and classified development status using a rule-based methodology. The rules are described below in Exhibit 59.

Exhibit 59. Rules for Development Status Classification

Development Status	Definition	Statutory Authority
Vacant Land	<p>A tax lot:</p> <p>(a) Not currently containing permanent buildings or improvements; or</p> <p>(b) Equal to or larger than five acres where less than one-half acre is occupied by permanent buildings or improvements</p> <p>For the purpose of criteria (a) above, lands with improvement values of \$0 and without mobile homes (as identified by Yamhill Assessment property class codes) were considered vacant.</p>	<p>OAR 660-009-005(14)</p> <p>We included all tax lots in the land base in the inventory—a more inclusive approach than required by law. Tax lots smaller than the thresholds were evaluated based on existing improvements.</p>
Potential Infill Land	<p>Potential infill tax lots are those between one and five acres occupied by a use that could still be further developed based on the zoning. This determination was based on a visual assessment and City staff verification.</p>	<p>Based on definition of “developed land” in OAR 660-009-005(1).</p>
Undevelopable Land	<p>Vacant tax lots less than 3,000 square feet in size are considered undevelopable.</p>	<p>No statutory definition</p>
Public or Exempt Land	<p>Lands in public or semipublic ownership are considered unavailable for commercial or industrial development. This includes lands in Federal, State, County, or City ownership as well as lands owned by churches and other semipublic</p>	<p>No statutory definition</p>

	organizations and properties with conservation easements. Public lands and exempt land were identified using the Yamhill County Assessment property class codes. This category only includes public lands that are located in commercial or industrial plan designations.	
Developed Land	<p>OAR 660-009-005(1) defines developed land as “Non-vacant land that is likely to be redeveloped during the planning period.”</p> <p>Lands not classified as vacant, potential infill, undevelopable, or public or exempt are considered developed. Redevelopment potential is considered separately from the assignment of development status in Chapter 4.</p>	OAR 660-009-005(1)

Step 3: Identify Constraints

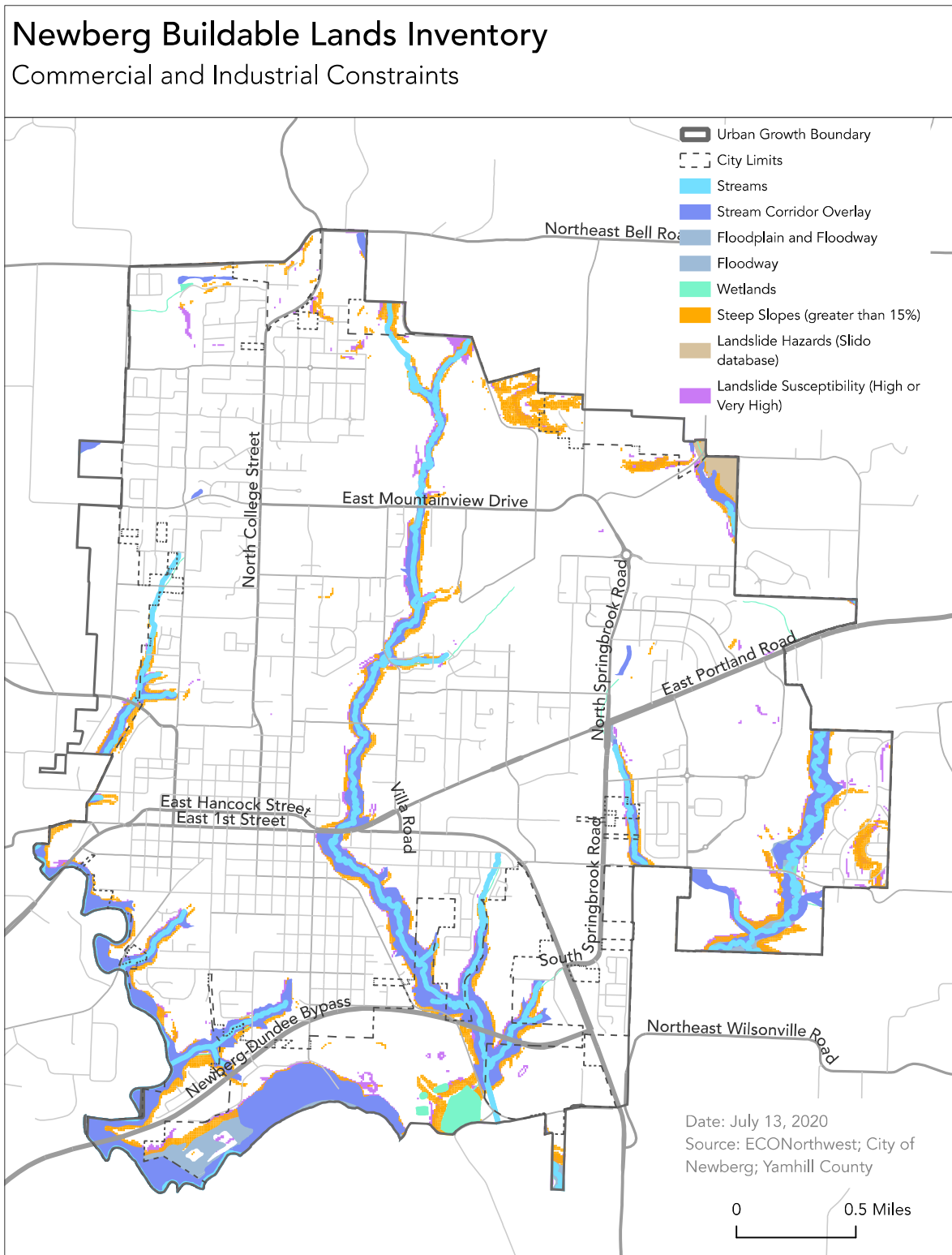
As shown in Exhibit 60 (and in the map in Exhibit 61), the BLI included development constraints consistent with guidance in OAR 660-008-0005(2).

Exhibit 60. Constraints Included in the BLI

Constraint	Statutory Authority	Threshold
Goal 5 Natural Resource Constraints		
Regulated Wetlands	OAR 660-009-0005(2)	Within National Wetlands Inventory
Stream Corridors	OAR 660-009-0005(2)	Lands within Newberg’s Stream Corridor Overlay
Natural Hazard Constraints		
Floodways	OAR 660-009-0005(2)	Lands within FEMA FIRM identified floodway
100-Year Floodplain	OAR 660-009-0005(2)	Lands within FEMA FIRM 100-year floodplain
Steep Slopes	OAR 660-009-0005(2)	Slopes greater than 15%
Landslide Hazards	OAR 660-009-0005(2)	Areas within DOGAMI’s Slido Database; Areas with high or very high landslide susceptibility (according to DOGAMI)

These areas were evaluated as prohibitive constraints (unbuildable). All constraints were merged into a single constraint file, which was then used to identify the area of each tax lot that is constrained. These areas were deducted from lands that are identified as vacant or potential infill.

Exhibit 61. Commercial and Industrial Constraints Included in the BLI



Step 4: Verify Inventory Results

ECONorthwest used a multistep verification process. The first verification step involved a “visual assessment” of land classifications using GIS and recent aerial photos. The visual assessment involves reviewing classifications overlaid on recent aerial photographs to verify uses on the ground. ECONorthwest reviewed all tax lots included in the inventory using the visual assessment methodology. The second round of verification involved City staff verifying the visual assessment output. ECONorthwest amended the BLI based on City staff review and a discussion of staff’s comments. The final verification is reviewed by stakeholders, most especially TAC and CAC members.

Step 5: Tabulate and Map Results

The results of the commercial BLI are presented in tabular and map format in the remainder of this appendix. This includes a zoning/comprehensive plan map, the land base by classification, vacant and potential infill lands by plan designation, and vacant and potential infill lands by plan designation with constraints showing.

**Exhibit “C” to Planning Commission Resolution No. 2022-382
Newberg Public and Semi-Public Land Need 2021-2041 (February 2021)**

DRAFT



DATE: February 17, 2021
TO: Newberg Planning Commission and City Council
CC: Doug Rux, City of Newberg
FROM: Beth Goodman and Margaret Raimann, ECONorthwest
SUBJECT: Newberg Public and Semi-Public Land Need 2021–2041

The City of Newberg is in the process of completing an updated Housing Needs Analysis (HNA) and preparing an Economic Opportunities Analysis (EOA) for the 2021 to 2041 period. This memorandum summarizes the public and semi-public land needs that Newberg must consider for other uses that consume land. Demand for these lands largely occurs independent of market forces. In general, these land use needs can be directly correlated to population growth.

Context

Cities need to provide land for uses other than housing and employment. Public facilities such as schools, governments, churches, parks, and other non-profit organizations will expand as population increases. Many communities have specific standards for parks. School districts typically develop population projections to forecast attendance and need for additional facilities. All of these uses will potentially require additional land as a city grows.¹

OAR 660-024-0040(1) defines the guidelines for 20-year land need as:

The UGB must be based on the appropriate 20-year population forecast for the urban area as determined under rules in OAR chapter 660, division 32, and must provide for needed housing, employment and other urban uses such as public facilities, streets and roads, schools, parks and open space over the 20-year planning period consistent with the land need requirements of Goal 14 and this rule. The 20-year need determinations are estimates which, although based on the best available information and methodologies, should not be held to an unreasonably high level of precision.

The remainder of this memorandum provides an analysis of public and semi-public land needs in the Newberg Urban Growth Boundary (UGB) for the 2021 and 2041 period.

Public Land Needs

Discussions with stakeholders at public agencies, including the City of Newberg, Yamhill County, and the Oregon Department of Transportation indicated various land needs. Some agencies will require new land beyond land that the agencies currently own. The discussion of public land needs is divided into three sections—municipal, parks, and public schools.

¹ Need for land for roads and public rights-of-way are accounted for in the Housing Needs Analysis and the Economic Opportunities Analysis.

Municipal

Municipal land includes needs for the City of Newberg, Yamhill County, the State of Oregon, and the U.S. Federal Government. The analysis below provides an estimate of land needs for city, county, and state land. Newberg does not have any existing Federal facilities, other than post offices, in the existing UGB. The City does not anticipate new or expansion of existing Federal facilities.

City

Exhibit 1 shows the land needs that the City of Newberg has identified for facilities over the 20-year period and the assumed plan designation where the facilities would likely locate. Newberg estimates that the City will need about 15.4 acres of new land for City uses including public works, library, city hall, and parking. Exhibit 1 shows the expected location, by Comprehensive Plan Designation, for each facility.

Exhibit 1. Estimate of Land Needs for City-Owned Facilities and Expected Location by Plan Designation, Newberg UGB, 2021–2041

Facility Type	Acres	Expected Location of Facility (by Plan Des.)
Public Works	14.0	
Water Booster Pump Stations (2)	2.0	LDR
Water Treatment Plant Expansion	6.0	IND
Wastewater Booster Pump Stations (1)	1.0	MDR
Wastewater Booster Pump Stations (2)	2.0	LDR
Regional Water Quality Facility	3.0	LDR
Library	0.2	
Site Expansion	0.2	MDR
City Hall	0.4	
Expansion	0.4	COM
Downtown Parking Lots	0.8	
Parking Lots (3)	0.8	COM
Total	15.4	

Source: City of Newberg

County

Yamhill County has identified land needs for transit facilities in Newberg between 2021 and 2041. Based on discussions with Yamhill County Transit, the County will need about 2 acres for future facilities. These facilities include about 1 acre to use as space for parking busses (less than 10 busses) on land in Newberg’s Industrial plan designation, as well as about 1 acre for a future Park ‘n’ Ride on land in Newberg’s Commercial plan designation.

State

The Oregon Department of Transportation (ODOT) anticipates needing land for Phase 2 of the Newberg-Dundee Bypass over the 20-year period. ODOT provided GIS data with the boundary of the Bypass. City staff overlaid this data with existing comprehensive plan information and determined that ODOT has currently acquired about 17.3 acres of land in the MIX/SP plan designation. Of the remaining land to be acquired for Phase 2 includes 3.4 acres of MIX/SP, 3.0 acres of IND/SP, 5.1 acres of P and PQ, and 4.7 acres of MDR land. This results in a state-land need of about 11.1 acres in southeast Newberg, as 5.1 acres of the land to be acquired is already in a public plan designation.

Parks

Newberg's park needs are based on the analysis of parkland need in Newberg from the Chehalem Park and Recreation District's Master Plan.² This District provides park services to Newberg. The detailed definitions for these parks are listed below, from the Chehalem Park and Recreation District's Master Plan:

- **Neighborhood Park.** One-half to 5 acres in size (2.5 acres is used as average). Facilities at neighborhood parks are a playground, outdoor basketball multi-purpose court with basketball goal, picnic tables, irrigated open space, accessible by walk ways, water fountain (optional), may have horseshoe area. Neighborhood parks do not usually have public rest rooms or parking lots.
- **Community Park.** Five to 20 acres in size (10 acres is used as average). Facilities at community parks include all/or part of the facilities of a Neighborhood Park, a parking lot, picnic shelter and public restrooms. It may have ball fields, courts for sports, trails, buildings, outdoor areas and other specialized areas.
- **Paths, Trails, and Linear Parks.** These parks are a comprehensive path, trail, and linear park system providing an extensive network of natural open areas, canals, and urban paths to connect parks and other recreation facilities. Linear parks are typically wider and developed as continuous greenway corridors, with trees, viewing areas, rest nodes, lighting, and multi-use paths. Linear parks may contain multi-use paths, bike-paths, pedestrian walkways, equestrian trails, picnic areas, gardens, and children play areas, art work, interpretive signage or they may be left in a natural state.

The Newberg Comprehensive Plan includes an adopted level of service (acres per 1,000 people) for park land needs for two of these types of parks—Neighborhood and Community Parks.³ The adopted level of service is 2.5 acres per 1,000 people for Neighborhood Parks and 5.0-8.0 acres for Community Parks. For this analysis we assumed 5 acres for Community Parks. Newberg is expected to have growth of 7,995 people between 2021 to 2041,⁴ which results in 8.0 people per

² Chehalem Park and Recreation District Master Plan, 2010, Pages 7-8.

³ *Newberg Comprehensive Plan*, 2018, Page 16.

⁴ Portland State University Population Research Center Population Forecast, June 30, 2020.

1,000 people in Newberg. Exhibit 2 shows the estimate of land need (about 60 acres) based on the population forecast for the Newberg UGB.

Exhibit 2. Estimate of Park Land Needs, Newberg UGB, 2021–2041

Park Types	LOS per 1,000 people	People per 1,000 for 2021-2041	Acres of Need
Neighborhood Parks	2.5	8.0	20.0
Community Parks	5.0	8.0	40.0
Total Park Land Need			60.0

Source: City of Newberg; Portland State University Population Forecast as of June 30, 2020; Analysis by ECONorthwest

Based on the location of existing parks and the description of park area standards for Neighborhood Parks and Community Parks in the Newberg Comprehensive Plan, this analysis assumes that future park land will locate on land currently designated residential, evenly distributed among all plan designations.

Schools

The Newberg School District indicated they do not anticipate needing additional land over the 2021-2041 period.⁵ The Newberg School District may have need for land for new schools in the future but does not have current plans for acquiring new land for schools at this time.

Semi-Public Land Needs

Land needed for semi-public uses includes land for churches, non-profit organizations, and related semi-public uses.⁶ The analysis includes land need assumptions using acres per 1,000 persons for all lands of these types. Newberg is expected to have growth of 7,995 people between 2021 to 2041,⁷ which results in 8.0 people per 1,000 people in Newberg.

Exhibit 3 shows that Newberg has 98.1 acres of land used for semi-public uses, with 4 acres per 1,000 residents in Newberg. Assuming that Newberg will continue to need 4 acres of land per 1,000 people for semi-public uses in the future, Newberg will need 32 acres of land to accommodate the forecast of population growth in Newberg between 2021 and 2041. Land needed for these users can typically be provided within existing plan designations, including all residential designations, based on the uses that are permitted in the associated zone.

⁵ Based on communication with Larry Hampton, Coordinator of Operations and Safety, on November 10, 2020.

⁶ ECONorthwest also contacted representatives from George Fox University and private K-12 schools in Newberg. These organizations did not identify future land need beyond land they currently own.

⁷ Portland State University Population Research Center Population Forecast, June 30, 2020.

Exhibit 3. Estimate of Semi-Public Land Needs, Newberg UGB, 2021–2041

Use	Existing Developed Acres	People per 1,000 for 2020	Acres per 1,000 people 2020	People per 1,000 for 2021-2041	Acres of Need
Churches	85.9	24.9	3.5	8.0	28.0
Other Semi-Public	12.2	24.9	0.5	8.0	4.0
Total	98.1		4.0		32.0

Source: Yamhill County Assessor Tax Lots; Portland State University Population Forecast as of June 30, 2020; Analysis by ECONorthwest

Conclusion

Exhibit 4 shows a summary of the public and semi-public land needs for the Newberg UGB over the 2021 to 2041 planning period. Newberg will need about 120.5 acres of land to accommodate public and semi-public uses. The distribution by plan designation is based on:

- Residential: 120.5 acres based on 16.3 acres needed for municipal uses, 60 acres needed for parks, and 29 acres for semi-public uses.
- Industrial: 12.3 acres based on 10 acres needed for municipal uses and 2.3 acres for semi-public uses.
- Commercial: 2.9 acres based on 2.2 acres for municipal uses and 0.7 acres for semi-public uses.

Exhibit 4. Summary of Public and Semi-Public Land Needs, Newberg UGB, 2021–2041

Use	Estimated Land Need (Acres)					
	Residential Plan Des.			Commercial Plan Des.	Industrial Plan Des.	Total
	Low Density	Medium Density	High Density			
Municipal	7.0	9.3	-	2.2	10.0	28.5
Parks	20.0	20.0	20.0	-	-	60.0
Semi-Public	19.1	6.4	3.5	0.7	2.3	32.0
Total	46.1	35.7	23.5	2.9	12.3	120.5

Source: City of Newberg; Yamhill County Assessor Tax Lots; Portland State University Population Forecast as of June 30, 2020; Analysis by ECONorthwest

Exhibit “D” to Planning Commission Resolution No. 2022-382 Comprehensive Plan Amendment – File CPTA22-0002

Note: Existing text is shown in regular font.
Added text is shown in double underline
Deleted text is shown in ~~strikethrough~~.

The Newberg Comprehensive Plan shall be amended as follows:

Section 1. The Newberg Comprehensive Plan, V. Land Need and Supply, A. Buildable Land Inventory is amended to read:

~~The Newberg Planning Division prepared an inventory of buildable land in the Newberg UGB in 2004. The buildable land inventory includes vacant and redevelopable land in the existing (2004) UGB. This land base is the starting point for determining how much future growth can be accommodated inside the existing UGB and the size of the unmet land need that must be accommodated through zone changes or UGB expansion. Physical constraints such as steep slopes (greater than 25%) and stream setbacks have been deducted from the parcel size, so the buildable land inventory is based on buildable acres, not total acres. In addition, lands that are under development are not considered buildable. This inventory also does not include land located within the future right of way of the proposed Newberg Dundee Bypass.¹ In 2004, the Newberg UGB had approximately 778 acres of buildable land inside the UGB (Table V-1).~~

Table V- 1. Newberg UGB Buildable Land Inventory (2004)

Plan Designation	Buildable Land
Low Density Residential	359 ac
Medium Density Residential	142 ac
High Density Residential	-13 ac
Commercial	105 ac
Industrial	159 ac
TOTAL	778 ac

Source: Ad Hoc Committee on Newberg’s Future (2005), Report to Newberg City Council

~~In addition, there is approximately 467 acres of buildable land within the Newberg Urban Reserve Area. This area does not have any comprehensive plan district designations assigned.~~

Land Base and Development Status

The City of Newberg prepared an inventory of buildable land in the Newberg UGB in 2020. The buildable land inventory includes vacant and redevelopable land in the existing (2020) UGB. This land base is the starting point for determining how much future growth can be

¹ Based on the route configuration for Modified 3J alternative

accommodated inside the existing UGB and the size of the unmet land need that must be accommodated through zone changes or UGB expansion. There are 2,474 acres of residential plan designations in tax lots and includes the Northwest Newberg Specific Plan, Riverfront Master Plan, Springbrook District, and Springbrook Oaks Specific Plan. Commercial designations total 483 acres, Industrial has 434 acres and the Airport has 54 acres. In 2020, the Newberg UGB had approximately 772 acres of buildable land inside the UGB for residential, commercial and industrial development (Table V-1).

Table V-1. Newberg UGB Buildable Land Inventory (2020)

Plan Designation	Tax Lots - Total Acres	Buildable Land Acres
<u>Residential</u>	<u>2,474</u>	<u>631</u>
<u>Low Density Residential</u>	<u>841</u>	<u>188</u>
<u>Medium Density Residential</u>	<u>583</u>	<u>61</u>
<u>Mixed Use</u>	<u>83</u>	<u>10</u>
<u>High Density Residential</u>	<u>121</u>	<u>13</u>
<u>Public/Quasi-Public (R-1 and R-2 zones)</u>	<u>138</u>	<u>0</u>
<i>Northwest Specific Plan</i>		
<u>Low-Density Residential</u>	<u>68</u>	<u>14</u>
<u>Medium-Density Residential</u>	<u>16</u>	<u>0</u>
<i>Riverfront Master Plan</i>		
<u>Medium-Density Residential</u>	<u>53</u>	<u>18</u>
<u>Mixed Use</u>	<u>1</u>	<u>0</u>
<u>High-Density Residential</u>	<u>4</u>	<u>4</u>
<i>Springbrook District</i>		
<u>Low-Density Residential</u>	<u>329</u>	<u>283</u>
<u>Mid-Rise Residential</u>	<u>11</u>	<u>11</u>
<u>Village Residential</u>	<u>34</u>	<u>22</u>
<i>Springbrook Oaks Specific Plan</i>		
<u>Low-Density Residential</u>	<u>79</u>	<u>0</u>
<u>Medium-Density Residential</u>	<u>19</u>	<u>0</u>
<u>Mixed Use</u>	<u>85</u>	<u>7</u>
<u>High-Density Residential</u>	<u>9</u>	<u>0</u>
<u>Commercial</u>	<u>266</u>	<u>53</u>
<u>Commercial</u>	<u>163</u>	<u>15</u>
<u>Riverfront District Commercial</u>	<u>7</u>	<u>1</u>
<u>Specific Plan Commercial</u>	<u>9</u>	<u>4</u>
<u>Public Quasi-Public (Hospital Site)</u>	<u>41</u>	<u>8</u>
<u>Springbrook District - Hospitality</u>	<u>35</u>	<u>14</u>
<u>Springbrook District - Neighborhood Commercial</u>	<u>11</u>	<u>11</u>

<u>Mixed Use</u>	<u>217</u>	<u>25</u>
Mixed Use	83	10
Riverfront District Mixed Use	22	3
Specific Plan Mixed Use	78	0
Springbrook District – Village*	34	12
<u>Industrial</u>	<u>434</u>	<u>52</u>
Industrial	246	27
Riverfront District Industrial	108	3
Specific Plan Industrial	53	0
Springbrook District - Employment	27	22
<u>Other - Airpark</u>	<u>54</u>	<u>11</u>
Industrial	12	11
Public Quasi-Public	42	0
<u>TOTAL</u>	<u>3,445</u>	<u>772</u>

Source: Housing Needs Analysis Exhibits 1 and 3 (June, 2021), Economic Opportunities Analysis Exhibits 22, 23 and 30 (March, 2021).

*Note: Buildable acres in the Springbrook District Village plan designation reflect the assumptions for commercial land included in the Springbrook Master Plan (2008)

Section 2. The Newberg Comprehensive Plan, V. Land Need and Supply, B. Housing and Residential Land Needs, 1. Housing Needs is amended to read:

1. Housing Needs.

In order to determine the amount of residential land needed, Newberg used Johnson Gardner to create a Housing Needs Analysis. That analysis examined the demographic, housing cost, and household income data for the City of Newberg to determine the need for specific housing types: single family, multi family, and manufactured homes. Two adjustments were made to the Johnson Gardner residential land need analysis:

- Development projects that were in the land use approval process during the preparation of the needs analysis were subtracted from the overall 2005-2025 need.
- 49 dwelling units displaced by the proposed Newberg Dundee Bypass were added to the housing need.

The result is the future housing needs projections shown in Table V-2.

Table V-2. Future Housing Need by Housing Type (number of dwelling units)

	Single Family		Multi Family		Manufactured		
	Detached	Attached	Medium Density	High Density	Parks	Subdivision	Total
	50%	7%	15%	23%	2%	2%	100%

2005 to 2025	3,377	492	1,022	1,533	140	140	6,704
2026 to 2040	3,234	471	978	1,467	135	135	6,420
Total	6,611	963	2,000	3,000	275	275	13,124

Source: Johnson Gardner

The residential land need is determined by assigning each housing type to a comprehensive plan designation—low density residential (LDR), medium density residential (MDR), and high density residential (HDR) (Table V-3).

Table V-3. Housing Types by Plan and Zone Category

Single Family		Multi-Family		Manufactured	
Detached	Attached	Medium Density	High Density	Park	Subdivision
LDR	MDR	MDR	HDR	MDR	LDR
R-1	R-2	R-2	R-3	R-2	R-1

Source: Johnson Gardner

Table V-4 presents the 2025 and 2040 housing unit need by comprehensive plan designation.

Table V-4. Adjusted Housing Unit Need

Plan Designation	Units Needed 2005-2025	Units Needed 2026-2040
LDR	2,691	3,234
MDR	1,556	1,719
HDR	1,473	1,467
TOTAL	5,720	6,420

In order to determine the amount of residential land needed, Newberg engaged ECONorthwest to create a Housing Needs Analysis. That analysis examined the demographic, housing cost, and household income data for the City of Newberg to determine the need for specific housing types: single-family dwellings, middle housing dwellings (duplexes, triplexes, quadplexes, cottage clusters, townhouses), multi-family, and manufactured homes. Table V-2 is the breakdown of buildable acres, Buildable Acres on Vacant Lots and Buildable Acres on Partially Vacant Lots.

Table V-2. Newberg UGB Vacant and Partially Vacant Buildable Land Inventory (2020)

Plan Designation	Total Buildable acres	Buildable Acres on Vacant Lots	Buildable acres on partially vacant lots
<u>Residential</u>			
<u>Low Density Residential</u>	<u>188</u>	<u>29</u>	<u>159</u>
<u>Medium Density Residential</u>	<u>62</u>	<u>25</u>	<u>37</u>
<u>Mixed Use</u>	<u>10</u>	<u>6</u>	<u>4</u>

<u>High Density Residential</u>	<u>13</u>	<u>1</u>	<u>12</u>
<u>Public/Quasi-Public (R-1 and R-2 zones)</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>Northwest Specific Plan</u>			
<u>Low-Density Residential</u>	<u>14</u>	<u>0</u>	<u>14</u>
<u>Medium-Density Residential</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>Riverfront Master Plan</u>			
<u>Medium-Density Residential</u>	<u>18</u>	<u>4</u>	<u>14</u>
<u>Mixed Use</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>High-Density Residential</u>	<u>3</u>	<u>3</u>	<u>0</u>
<u>Springbrook District</u>			
<u>Low-Density Residential</u>	<u>283</u>	<u>162</u>	<u>122</u>
<u>Mid-Rise Residential</u>	<u>11</u>	<u>11</u>	<u>0</u>
<u>Village Residential*</u>	<u>22</u>	<u>7</u>	<u>15</u>
<u>Springbrook Oaks Specific Plan</u>			
<u>Low-Density Residential</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>Medium-Density Residential</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>Mixed Use</u>	<u>7</u>	<u>7</u>	<u>0</u>
<u>High-Density Residential</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>TOTAL</u>	<u>631</u>	<u>255</u>	<u>377</u>

Source: Housing Needs Analysis, Exhibit 3 and 4 (June, 2021)

*Note: Buildable acres in the Springbrook District Village plan designation reflect the assumptions for the split of residential and commercial land included in the Springbrook Master Plan (2008)

Table V-3 identifies the Demand for New Dwelling unit types by unit count and percentage for Housing Units Needed in the period 2021-2041.

Table V-3. Demand for New Dwelling Units by type, Newberg UGB, 2021 to 2041

<u>Variable</u>	<u>Needed Mix</u>
<u>Needed new dwelling units (2021-2041)</u>	<u>3,169</u>
<u>Dwelling units by structure type</u>	
<u>Single-family detached</u>	
<u>Percent single-family detached DU</u>	<u>60%</u>
<u>Total new single-family detached dwelling units</u>	<u>1901</u>
<u>Single-family attached</u>	
<u>Percent single-family attached DU</u>	<u>8%</u>
<u>Total new single-family attached dwelling units</u>	<u>254</u>
<u>Multifamily</u>	
<u>Percent multifamily</u>	<u>32</u>
<u>Total new multifamily</u>	<u>1,014</u>
<u>Total new dwelling units (2021-2041)</u>	<u>3,169</u>

Source: Housing Needs Analysis, Exhibit 49 (June, 2021)

The demand for Accessory Dwelling Units and Redevelopment are included in Table V-4.

Table V-4: Demand for ADUs and Redevelopment, Newberg UGB, 2021 to 2041

<u>Variable</u>	<u>New Dwelling Units (2021-2041)</u>
<u>New units accommodated through redevelopment</u>	<u>100</u>
<u>New accessory dwelling units</u>	<u>20</u>
<u>Subset of total new dwelling units (2021-2041)</u>	<u>120</u>

Source: Housing Needs Analysis, Exhibit 50 (June, 2021)

Table V-5 details the demand for new dwelling units on vacant and partially vacant lands indicating 3,049 units are needed.

Table V-5. Forecast of Demand for New Dwelling Units on Vacant and Partially Vacant Lands, Newberg UGB, 2021 to 2041

	<u>New Dwelling Units (2021- 2041)</u>
<u>Dwelling Units Accommodated by ADU or through Redevelopment</u>	
<u>Single-family detached</u>	<u>20</u>
<u>Multifamily</u>	<u>100</u>
<u>Dwelling Units Requiring Vacant or Partially Vacant Unconstrained Land</u>	
<u>Single-family detached</u>	<u>1,881</u>
<u>Single-family attached</u>	<u>254</u>
<u>Multifamily</u>	<u>914</u>
<u>Total Units Requiring Vacant or Partially Vacant Land</u>	<u>3,049</u>

Source: Housing Needs Analysis, Exhibit 51 (June, 2021)

Table V-6 allocates needed housing to plan designations.

Table V-6. Allocation of Needed Housing that Requires Vacant and Partially Vacant Lands^a, by Housing Type and by Plan Designation, Newberg UGB, 2021to 2041

<u>Comprehensive Plan Designation</u>	<u>Low Density</u>	<u>Medium Density</u>	<u>High Density</u>	<u>Northwest Specific Plan</u>	<u>Springbrook District</u>	<u>Total</u>
<u>Dwelling Units</u>						
<u>Single-family detached</u>	<u>482</u>	<u>457</u>	<u>0</u>	<u>68</u>	<u>874</u>	<u>1,881</u>
<u>Single-family attached</u>	<u>0</u>	<u>12</u>	<u>6</u>	<u>0</u>	<u>236</u>	<u>254</u>

<u>Multifamily</u>	<u>9</u>	<u>152</u>	<u>518</u>	<u>0</u>	<u>235</u>	<u>914</u>
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Source: Housing Needs Analysis Exhibit 52 (June, 2021)

^a The percent of units displayed in Exhibit 52 does not match the needed mix of new housing displayed in Exhibit 49, because the allocation analysis deducts new units accommodated by redevelopment and accessory dwelling units.

Section 3. The Newberg Comprehensive Plan, V. Land Need and Supply, B. Housing and Residential Land Needs, 2. Planned Residential Densities is amended to read:

2. Planned Residential Densities

Table V-5 below shows the recent trends for residential density, as reported by the Ad Hoc Committee on Newberg's Future (2005). The Table shows the planned residential densities per the Newberg Comprehensive Plan housing element. The plan is for a 25% increase in residential densities from recent trends.

Table V-5. Planned Residential Densities

		Recent Trends	Planned Density
Single Family	Units/Acre	3.6	4.4
	Average Lot Size	9,800 sf	8,000 sf
Med Density Multi-Family	Units/Acre	5.8	9
	Type	Single Family	Townhouses and Duplexes
High Density Multi-Family	Units/Gross Acre	15.4	16.5
	Type	2-story apts with surface parking	2-3 story apts with surface parking
Average	Units/Net Acre	6.8	8.3

2. Needed Densities

Table V-7 shows the following needed densities, in net and gross acres, based on the analysis of historical densities. Table V-7 converts between net acres and gross acres to account for land needed for rights-of-way based on empirical analysis of existing rights-of-way by plan designation in Newberg.

Table V-7. Needed Density for Housing Built by Plan Designation, Newberg UGB, 2020 to 2040

<u>Plan Designation</u>	<u>Avg. Net Density (DU/net acre)</u>	<u>% for Rights-of-Way</u>	<u>Avg. Gross Density (DU/gross acre)</u>
<u>Low Density</u>	<u>6</u>	<u>20</u>	<u>4.8</u>
<u>Medium Density</u>	<u>9.5</u>	<u>20</u>	<u>7.6</u>
<u>High Density</u>	<u>22.6</u>	<u>17</u>	<u>18.7</u>

Source: Housing Needs Analysis Exhibit 53 (June, 2021)

Section 4. The Newberg Comprehensive Plan, V. Land Need and Supply, B. Housing and Residential Land Needs, 3. Residential Land Need is amended to read:

3. — Residential Land Need

The total amount of residential land needed for housing was calculated by dividing the dwelling units needed by the planned residential densities. The total buildable residential land needs through 2025 and 2040 are shown in Table V-6.

Table V-6. Buildable Residential Land Need

Plan Designation	Density (du/ac.)	Dwelling Units Needed (2005-2025)	Buildable Acres Needed (2005-2025)	Dwelling Units Needed (2026-2040)	Buildable Acres Needed (2026-2040)
LDR	4.4	2,691	612	3,234	735
MDR	9	1,556	173	1,719	191
HDR	16.5	1,473	89	1,367	83
Total		5,720	874	6,320	1,009

3. Residential Capacity

Employment for Residential

The EOA assumes employment densities of 16 employees per acre for retail commercial employment and 22 employees per acre for office and commercial services employment. This results in about 14 net acres, or 18 gross acres of land for employment uses in residential plan designations.

Capacity Analysis

Residential land supply is converted into dwelling units. The Housing Needs Analysis estimates the ability of vacant residential lands within the UGB to accommodate new housing. This analysis, sometimes called a “capacity analysis, can be used to evaluate different ways that vacant residential land may build out by applying different assumptions.

Buildable residential land. The capacity estimates start with the number of buildable acres in the base residential plan designations as shown in the Housing Needs Analysis Chapter 2. The exceptions are land in the Northwest Newberg Specific Plan and Springbrook District. Separate densities and unit capacities for these areas are based on master plan specifications.

Needed densities. The capacity analysis assumes development will occur at needed densities. Those densities were derived from the needed densities shown in the Housing Needs Analysis Exhibit 53, consistent with historical development patterns in Exhibit 48. The densities shown in Table V-8 includes a 3% increase from these historic densities, consistent with the density

changes allowed for complying with HB 2001

Table V-8. Estimate of Residential Capacity on Unconstrained Vacant and Partially Vacant Buildable Land, Residential Plan Designations, Newberg UGB, 2020

<u>Plan Designation</u>	<u>Total Unconstrained Buildable Acres</u>	<u>Density Assumption (DU/Gross Acre)</u>	<u>Capacity (Dwelling Units)</u>
Low Density	188	5	933
Medium Density	90	7.8	705
High Density	16	19.3	308
Public/Quasi-Public (R-1/R-2 Zones)	0	5.3	0
Total	294	6.6	1,946

Source: Housing Needs Analysis, Exhibit 55 (June, 2021)

The Northwest Newberg Specific Plan residential capacity is listed in Table V-9.

Table V-9. Estimate of Residential Capacity on Unconstrained Vacant and Partially Vacant Buildable Land, Northwest Newberg Specific Plan, Newberg UGB, 2020

<u>Plan Designation</u>	<u>Total Unconstrained Buildable Acres</u>	<u>Density Assumption (DU/Gross Acre)</u>	<u>Capacity (Dwelling Units)</u>
Low Density	14	4.9	68

Source: Housing Needs Analysis, Exhibit 56 (June, 2021)

The Springbrook District residential capacity is listed in Table V-10.

Table V-10. Estimate of Residential Capacity on Unconstrained Vacant and Partially Vacant Buildable Land, Springbrook District, Newberg UGB, 2020

<u>Type</u>	<u>Units</u>
Single Family	874
Multifamily	471
Total	1,345

Source: Housing Needs Analysis Exhibit 57 (June, 2021)

Table V-11 combines Tables V-8, V-9, and V-10 to provide the average residential capacity.

Table V-11. Average Density of Residential Capacity on Unconstrained Vacant and Partially Vacant Buildable Land, Newberg UGB, 2020

<u>Plan Designation</u>	<u>Total Unconstrained Buildable Acres</u>	<u>Capacity (Dwelling Units)</u>	<u>Capacity (Dwelling Units)</u>	<u>Assumed Density (du/gross acre)</u>
<u>Low Density</u>	<u>188</u>	<u>193</u>	<u>28%</u>	<u>5</u>
<u>Medium Density</u>	<u>90</u>	<u>705</u>	<u>21%</u>	<u>7.5</u>
<u>High Density</u>	<u>16</u>	<u>308</u>	<u>9%</u>	<u>19.3</u>
<u>Northwest Specific Plan</u>				
<u>Low-Density Residential</u>	<u>14</u>	<u>68</u>	<u>2%</u>	<u>4.9</u>
<u>Springbrook District</u>				
<u>Low-Density Residential</u>	<u>227</u>	<u>874</u>	<u>26%</u>	<u>3.8</u>
<u>Mid-Rise Residential</u>	<u>11</u>	<u>206</u>	<u>6%</u>	<u>18.7</u>
<u>Village Residential</u>	<u>22</u>	<u>265</u>	<u>8%</u>	<u>12</u>
<u>Overall Average Density</u>	<u>568</u>	<u>3,359</u>		<u>5.9</u>

Source: Housing Needs Analysis, Exhibit 58 (June, 2021)

Newberg does not have sufficient land to accommodate development in the High-Density Residential plan designation, with a deficit of 216 dwelling units. The figures only include demand for residential land; the City will need to account for additional lands needed for parks, schools, and other public uses in a UGB review.

Newberg's deficit of High-Density Residential capacity (216 dwelling units) means that the City has an approximate deficit of 11 gross acres of high-density land for residential uses (at 19.3 dwelling units per gross acre).

Table V-12. Comparison of Capacity of Existing Residential Land with Demand for New Dwelling Units and Land Surplus or Deficit, Newberg UGB, 2021–2041

<u>Plan Designation</u>	<u>Capacity (Dwelling Units)</u>	<u>Demand for New Housing</u>	<u>Comparison (Supply minus Demand)</u>	<u>Land Sufficiency (Gross Acres)</u>
<u>Low Density</u>	<u>933</u>	<u>491</u>	<u>442</u>	<u>89</u>
<u>Medium Density</u>	<u>705</u>	<u>621</u>	<u>84</u>	<u>11</u>
<u>High Density</u>	<u>308</u>	<u>524</u>	<u>(216)</u>	<u>(11)</u>
<u>Northwest Specific Plan</u>	<u>68</u>	<u>68</u>	<u>0</u>	<u>n/a</u>
<u>Springbrook District</u>	<u>1,345</u>	<u>1,345</u>	<u>0</u>	<u>n/a</u>
<u>Total</u>	<u>3,359</u>	<u>3,049</u>		

Source: Housing Needs Analysis, Exhibit 59 (June, 2021)

For the 2021 to 2041 planning period, 155 additional, needed group quarters were deducted

from the housing forecast (see HNA Exhibit 47). The analysis must still account for their land need. At a density of about 19.3 units per gross acre, 74 group quarters will need approximately 8.0 gross acres. For purposes of this analysis, new group quarters are assumed to occur on high-density residential land. Table V-12 shows Newberg’s deficit of 11 gross acres of high-density lands. Table V-13 shows the revised land deficit of 19 gross acres of High-Density Residential lands, after adding land for group quarters.

Table V-13. Land Needed for Group Quarters, Newberg UGB, 2021–2041

<u>Land Needed for Group Quarters</u>	<u>Assumption</u>
New Population in Group Quarters	155
Needed Dwelling Units for Group Quarters*	155
Density Assumption (HDR)	19.3
Needed Gross acres for Group Quarters (HDR)	8
(Total deficit of land in HDR, including Group Quarters)	(19)

Source: Housing Needs Analysis, Exhibit 60 (June, 2021)

*Basis for density assumption is the historical net density for multifamily housing in Newberg (2000 through 2018).

Table V-14 shows land needed for employment and public or semi-public uses as described in Chapter 5. The distribution of the 18 acres of land needed for employment uses based on the existing distribution of employment on low, medium, and high density plan designations. The Newberg Public and Semi-Public Land Needs memorandum summarizes the 120.5 acres of residential land needed for public or semi-public uses.

Table V-14. Land Needed for Employment and Public/Semi-Public Uses, Newberg UGB, 2021–2041

<u>Plan Designation</u>	<u>Land Needed for Employment Uses</u>	<u>Land Needed for Public/Semi-Public Uses</u>
Low Density	(8)	(46.1)
Medium density	(9)	(35.7)
High Density	(1)	(23.5)

Source: Housing Needs Analysis, Exhibit 61 (June, 2021), and Public and Semi-Public Land Analysis (February 2021)

Section 5. The Newberg Comprehensive Plan, V. Land Need and Supply, B. Housing and Residential Land Needs, 4. Residential Land Need Supply is amended to read:

4. Residential Land Need and Supply

Comparing the residential land need the current supply, the City has a deficit of residential land to meet needs through 2025 in all residential categories. It also has a deficit of land within the URA to meet the needs from 2026-2040. Table V-7 compares the amount of residential land with the available supply.

Table V- 7. Buildable Residential Land Needs vs. Supply

Plan Designation	Buildable Acres Needed 2005-2025	Buildable Acres in UGB (2004)	Surplus (Deficit) for 2005-2025	Buildable Acres Needed 2026-2040
LDR	612	359	(253)	735
MDR	173	142	(31)	191
HDR	89	13	(76)	83
Total	874	514	(380)	1009

Table V-15 summarizes the demand for new housing and the land sufficiency in gross acres for the 2021–2041 period. This information summarizes the analysis in Table V-12 (land sufficiency for the 2021–2041 planning period) and Table V-13 (land needed for group quarters).

Table V-15. Revised Comparison of Capacity of Existing Residential Land with Demand for New Dwelling Units and Land Surplus or Deficit, Newberg UGB, 2021–2041

Gross acres					
<u>Plan Designation</u>	<u>Land Sufficiency for Future Housing Development</u>	<u>Employment Uses in Res. Plan Des</u>	<u>Public/Semi-Public Uses in Res. Plan Des.</u>	<u>Land Needed for Group Quarters</u>	<u>Land Sufficiency</u>
<u>Low Density</u>	89	(8)	(46)		35
<u>Medium Density</u>	11	(9)	(36)		(34)
<u>High Density</u>	(11)	(1)	(24)	(8)	(44)
<u>Northwest Specific Plan</u>	0				n/a
<u>Springbrook District</u>	0				n/a

Source: Housing Needs Analysis, Exhibit 62 (June, 2021)

Consistent with ORS 197.296(6) Newberg will need to adopt measures to help the city achieve needed densities. The Newberg housing strategy identifies several potential measures (e.g., establish maximum lot size standards, establish minimum density standards, allow duplexes/triplexes/quadplexes in single family zones, etc.).

Newberg will need to consider measures that ensure that the city has adequate land available for multifamily housing. Those strategies could be redesignating land for multifamily uses, modifying existing zones, or encouraging multifamily housing development through tax abatement programs.

Section 6. The Newberg Comprehensive Plan, V. Land Need and Supply, C. Commercial Land Need and Supply, 1. Commercial Land Need is amended to read:

1. Commercial Land Need

As Newberg grows, so will its needs for commercial land. Additional population will bring additional retail, office, and other commercial opportunities. Johnson Gardner prepared a forecasts the need for office and retail commercial land (Table V-8).² The office land need is a function of employment growth based on long range forecasts by the Oregon Employment Department. The retail land need is a function of household growth and typical household spending patterns.

Table V- 8. Commercial Land Need

Type	2005-2025	2026-2040
Office	15 ac	27 ac
Retail	96 ac	82 ac
Total	111 ac	109 ac

Source: Johnson Gardner

In addition, Newberg will need to ensure that large parcels are available for shopping centers. The Urban Land Institute has identified three types of shopping centers that potentially could be developed in communities such as Newberg: neighborhood centers, community centers and regional centers. A large regional shopping center is not consistent with Newberg's desire to maintain a small town feeling and have a complete community rather than a bedroom suburb, smaller neighborhood and community shopping centers are preferred. Therefore, in addition to the overall demand for commercial land based on population and employment growth, Newberg needs to ensure that there is an adequate supply of sites with appropriate characteristics for this type of commercial development in terms of size, access, and location. Under this approach, future land needs will include needs for 2-3 community centers (10-15 acres each) and 2-3 smaller neighborhood centers (3-5 acres) for 2025 and 2040. The smaller neighborhood commercial centers should be scattered throughout the community to provide goods and services near where people live and reduce the need to drive into the central area for basic needs.

1. Commercial Land Need

As Newberg grows, so will its needs for commercial land. Additional population will bring additional retail, office, and other commercial opportunities. ECONorthwest prepared forecasts as part of the Economic Opportunities Analysis (March 2021) for commercial and mixed-use land (Table V-16) factoring in vacant land, potential infill land, developed land, public or exempt land, and undeveloped land based on a tax lot database current as of July 2020. Development constraints (lands within floodplains and floodways, land within natural resource protection areas, land within landslide hazards, and land with slopes over 15%) were then deducted After deducting constraints,

² Johnson Gardner/The Benkendorf Associates Corporation. Industrial and office land need tables and methodology. June 30, 2004.

vacant and potential infill lands that have remaining development capacity are classified as “buildable lands.”

There are 595 tax lots within Newberg’s UGB totaling 483 acres designated commercial and mixed use. 27% of the total acreage is in commercial and 22% is in mixed use. There are 266 acres of commercial land with 201 acres committed, 12 acres constrained and 54 buildable acres. There are 217 acres of mixed use with 169 acres committed, 1 acre constrained, and 24 acres buildable as shown in Table V-16.

Table V-16. Commercial Acres in Newberg UGB, 2020

<u>Plan Designation</u>	<u>Tax Lots</u>	<u>Tax Lot Acreage</u>	<u>Percentage Total Acreage</u>	<u>Committed Acres</u>	<u>Constrained Acres</u>	<u>Buildable Acres</u>
<u>Commercial</u>	<u>353</u>	<u>266</u>	<u>27%</u>	<u>201</u>	<u>12</u>	<u>54</u>
<u>Mixed-use</u>	<u>242</u>	<u>217</u>	<u>22%</u>	<u>169</u>	<u>1</u>	<u>24</u>

Source: Economic Opportunities Analysis, Exhibits 22 and 23 (March, 2021)

Of the 54 buildable commercial acres 26 acres are on vacant lots and 28 acres are on potential infill lots. Of the 24 buildable mixed-use acres 20 acres are on vacant lots and 4 acres are on potential infill lots as shown in Table V-17.

Table V-17. Employment Land with Unconstrained Development Capacity (Vacant and Potential infill) by Plan Designation, Newberg UGB, 2020

<u>Plan Type</u>	<u>Buildable Acres Vacant Lots</u>	<u>Buildable Acres Potential Infill</u>
<u>Commercial</u>	<u>26</u>	<u>28</u>
<u>Mixed-use</u>	<u>24</u>	<u>20</u>

Source: Economic Opportunities Analysis, Exhibit 25 (March, 2021)

Section 7. The Newberg Comprehensive Plan, V. Land Need Supply, C. Commercial Land Need and Supply, 2. Commercial Land Supply is amended to read:

2. Commercial Land Supply

The commercial buildable land inventory inside the current Newberg UGB has approximately 105 acres, but consists mostly of small, scattered sites, with only 3 parcels larger than 5 acres. Overall, Newberg has a deficit of commercial land through 2025. Appropriate land will need to be designated commercial to meet future needs, through some combination of changing the plan designation of lands within the UGB and/or adding additional land to the UGB. To meet the commercial land needs through 2040, additional land will need to be designated commercial.

Table V-9. Commercial Land Need and Supply

Commercial Land Need 2005-2025 (acres)	Commercial Land in UGB (2004)	2025 Surplus (Deficit) (acres)	Commercial Land Need 2026-2040 (acres)

411	405	(6)	409
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2. Commercial Land Supply and Need

The commercial buildable land inventory inside the current Newberg UGB has approximately 78 acres, but consists mostly of small, scattered sites, with only 6 parcels larger than 5 acres. Table V-18 shows the size of lots by plan designations for buildable employment land. Newberg has 33 lots that are smaller than 0.5 acres (with 8 acres of land); 21 lots between 0.5 and 2 acres (24 acres of land); 14 lots between 2 and 5 acres in size (38 acres of land); 3 lots between 5 and 10 acres in size (8 acres of land); and 4 lots between 10 and 25 acres in size (52 acres of land).

Table V-18. Commercial Land Need and Supply

<u>Buildable acres on tax lots</u>	<u>Buildable Acre Category</u>						<u>Total</u>
	<u>less than 0.5 acre</u>	<u>0.5 - 1 acres</u>	<u>1 - 2 acres</u>	<u>2 - 5 acres</u>	<u>5 - 10 acres</u>	<u>10 - 25 acres</u>	
Commercial	2	3	7	13	8	21	54
Mixed Use	3	1	6	2	0	12	24
<u>Number of tax lots with buildable acres</u>	<u>less than 0.5 acre</u>	<u>0.5 - 1 acres</u>	<u>1 - 2 acres</u>	<u>2 - 5 acres</u>	<u>5 - 10 acres</u>	<u>10 - 25 acres</u>	<u>Total</u>
Commercial	14	4	4	5	1	2	30
Mixed Use	12	2	4	1	2	1	22

Source: Economic Opportunities Analysis, Exhibit 26 (March, 2021)

Overall, Newberg has a surplus of commercial land through 2041. To meet the commercial land needs through 2041, based on the Economic Opportunities Analysis (March 2021), no additional land will need to be designated commercial. This situation may change as development activities continue over the next 5 - 10 years.

Table V-19 shows areas identified as having redevelopment potential in Newberg based on consideration of these factors. The redevelopment analysis summarized below provides an optimistic estimate of potential redevelopment, largely resulting from the City's efforts to redevelop the WestRock Mill site, as evidenced by the ongoing implementation of the Riverfront Master Plan.

Table V-19. Commercial Areas with Redevelopment Potential, Newberg UGB, 2021–2041

<u>Plan Designation</u>	<u>Number of Tax Lots</u>	<u>Total Unconstrained Acreage</u>
<u>Commercial/Mixed Use</u>	<u>11</u>	<u>26</u>
<u>Commercial</u>	<u>5</u>	<u>5</u>
<u>Mixed Use</u>	<u>2</u>	<u>2</u>

<u>WestRock Mill site (MIX/RD)</u>	<u>4</u>	<u>19</u>
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Source: Economic Opportunities Analysis, Exhibit 28 (March, 2021)

Table V-20. shows commercial land sufficiency within the Newberg UGB. It shows: Suitable buildable unconstrained commercial land of 104 acres within the UGB. Demand for commercial land shows Newberg will need a total of 83 gross acres for commercial uses over the 2021–2041 period. Newberg has a 21-acre surplus of commercial land.

Table V-20. Commercial Land Need and Supply

<u>Commercial Land Supply 2021-2041 (gross acres)</u>	<u>Commercial Land Demand in UGB (2021 2041) (gross acres)</u>	<u>2041 Surplus (Deficit) (gross acres)</u>
<u>104</u>	<u>83</u>	<u>21</u>

Source: Economic Opportunities Analysis, Exhibit 32 (March, 2021)

Section 8. The Newberg Comprehensive Plan, V. Land Need and Supply, D. Industrial Land Need and Supply, 1. Industrial Land Need is amended to read:

1. ~~Industrial Land Need~~

~~Johnson Gardner prepared future industrial land forecasts based on long range employment forecasts and converted the new jobs to space needs for each employment sector (Table V-10). This forecast is based on a high employment growth scenario consistent with Newberg’s economic development goals to bring more family-wage jobs to the area and to avoid becoming a bedroom community.³~~

Table V-10. Industrial Land Need

	2005-2025	2026-2040
Industrial	87 acres	75 acres

Source: Johnson Gardner

~~In addition to an overall supply of buildable land, Newberg needs to have sites available the meet the specific needs of potential industrial users, so-called “target industries”. A variety of parcel sizes, building types, and land use designations are required to attract target industries and provide market choice. In 2005, there is a general lack of suitable large (20+ acre) industrial sites with access to a state highway and physical separation or transitional buffering from residential neighborhoods. Therefore, Newberg needs 4 large (20+ acre) industrial sites for the period 2005–2025 and an additional 6 sites for the period 2026–2040. The assumption is that approximately 50 percent of the future industrial employment will take place on large parcels.~~

³ Johnson Gardner (2004), Industrial and office land need

1. Industrial Land Need

The Economic Opportunities Analysis (March 2021) prepared future industrial land forecasts based on population forecasts. ECONorthwest prepared forecasts as part of the Economic Opportunities Analysis (March 2021) for industrial land (Table V-21) factoring in vacant land, potential infill land, developed land, public or exempt land, and undeveloped land. Development constraints (lands within floodplains and floodways, land within natural resource protection areas, land within landslide hazards, and land with slopes over 15%) were then deducted. After deducting constraints, vacant and potential infill lands that have remaining development capacity are classified as “buildable lands.”

There are 174 tax lots within Newberg’s UGB totaling 488 acres for industrial and the Airport. 45% of the total acreage is in Industrial and 6% is in Other-Airpark. There are 434 acres of industrial land with 299 acres committed, 84 acres constrained and 52 buildable acres. There are 56 acres of Other - Airport use with 36 acres committed, 9 acres constrained, and 11 acres buildable as shown in Table V-21.

Table V-21. Industrial Acres in Newberg UGB, 2020

<u>Plan Designation</u>	<u>Number Tax Lots</u>	<u>Total Tax Lot Acreage</u>	<u>Percentage</u>	<u>Committed Acres</u>	<u>Constrained Acres</u>	<u>Buildable Acres</u>
<u>Industrial</u>	<u>174</u>	<u>488</u>	<u>45%</u>	<u>299</u>	<u>84</u>	<u>52</u>
<u>Other - Airport</u>	<u>10</u>	<u>56</u>	<u>6%</u>	<u>36</u>	<u>9</u>	<u>11</u>

Source: Economic Opportunities Analysis, Exhibits 22 and 30 (March, 2021)

Of the 63 buildable industrial acres 53 acres are on vacant lots and 10 acres are on potential infill lots as shown in Table V-22.

Table V-22. Employment Land with Unconstrained Development Capacity (Vacant and Potential infill) by Plan Designation, Newberg UGB, 2020

<u>Plan Designation</u>	<u>Acres Vacant Lots</u>	<u>Acres Potential Infill</u>
<u>Industrial</u>	<u>42</u>	<u>10</u>
<u>Other - Airport</u>	<u>11</u>	<u>0</u>

Source: Economic Opportunities Analysis, Exhibit 25 (March, 2021)

Potentially redevelopable land includes 66 acres of industrial. Suitable Buildable Unconstrained Industrial Land totals 35 acres (Vacant/Potential Infill 23 acres and Potentially Redevelopable/Sportsman Airpark 12 acres).

Section 9. The Newberg Comprehensive Plan, V. Land Need and Supply, D. Industrial Land Need and Supply, 2. 2025 Industrial Land Supply and Need is amended to read.

2. 2025 Industrial Land Supply and Need

The industrial buildable land inventory inside the current UGB has approximately 159 acres. While this may seem to be a large supply, it is disadvantaged by a number of elements. First, it consists mostly of small, scattered sites, with only 8 parcels larger than 5 acres and only 3 parcels that are 20 acres or larger. Second, several sites are hindered because of proximity to residential neighborhoods or other factors. Thus, some of the industrial should be rezoned for other uses. Third, a significant part of the “buildable” land is in fact in industrial use, such as storage yards. Also, the land need is adjusted to account for existing industrial uses that are displaced by the Newberg Dundee Bypass.

Table V- 11. 2025 Industrial Land Supply and Need

Industrial Site Size	2025 Need	Supply	Surplus/(Deficit)
Small/Medium sites (< 20 ac)	50 ac	99 ac	49 ac
Large sites (20+ ac)	100 ac	60 ac	(40) ac

Inside the current UGB, the only one large site (20 acres) that is viable in the long term is at the Sportsman Airpark. Two other sites are better suited for other uses long term. Therefore, Newberg needs to look to add additional industrial land to its UGB.

2. 2021-2041 Industrial Land Supply and Need

The industrial buildable land inventory inside the current Newberg UGB has approximately 52 acres, but consists mostly of small, scattered sites, with only 1 parcel larger than 10 acres.

Table V- 23. Industrial Land Need and Supply

<u>Buildable Acre Category</u>							
<u>Buildable acres on tax lots</u>	<u>less than 0.5 acre</u>	<u>0.5 – 1 acres</u>	<u>1 - 2 acres</u>	<u>2 - 5 acres</u>	<u>5 – 10 acres</u>	<u>10 – 25 acres</u>	<u>Total</u>
<u>Industrial</u>	<u>3</u>	<u>4</u>	<u>3</u>	<u>23</u>	<u>0</u>	<u>19</u>	
							<u>52</u>
<u>Number of tax lots with buildable acres</u>	<u>less than 0.5 acre</u>	<u>0.5 – 1 acres</u>	<u>1 - 2 acres</u>	<u>2 - 5 acres</u>	<u>5 – 10 acres</u>	<u>10 – 25 acres</u>	<u>Total</u>
<u>Industrial</u>	<u>7</u>	<u>5</u>	<u>2</u>	<u>8</u>	<u>0</u>	<u>1</u>	<u>23</u>

Source: Economic Opportunities Analysis, Exhibits 25 and 26 (March, 2021)

Overall, Newberg has a deficit of industrial land through 2041. To meet the industrial land needs through 2041, based on the Economic Opportunities Analysis (March 2021), additional land will need to be designated industrial.

Table V-24 indicates the largest potentially redevelopable site is the former WestRock Mill site. The site was recently acquired by Commercial Development Company’s affiliate Newberg OR LLC. The entire site is about 130 total acres, of which 42 are constrained by floodplain, stream

corridor, and steep slopes, and 5 acres are included in vacant buildable land. Of the remaining 83 acres classified as developed in the BLI, about 64 acres are in the industrial Riverfront District plan designation and about 19 acres are in the mixed-use Riverfront District plan designation.

Table V-24. Industrial Areas with Redevelopment Potential, Newberg UGB, 2021–2041

<u>Plan Designation</u>	<u>Number of Tax Lots</u>	<u>Total Unconstrained Acreage</u>
<u>Industrial</u>	<u>7</u>	<u>66</u>
<u>Industrial</u>	<u>1</u>	<u>1</u>
<u>WestRock Mil Site</u>	<u>1</u>	<u>64</u>
<u>West End Mill District</u>	<u>5</u>	<u>1</u>

Source: Economic Opportunities Analysis, Exhibit 28 (March, 2021)

Table V-25 shows industrial land sufficiency within the Newberg UGB. Demand for industrial land shows Newberg will need a total of 152 acres for industrial uses over the 2021–2041 period.

Table V-25. Industrial Land Need and Supply

<u>Industrial Land Supply 2021-2041</u>	<u>Industrial Land Demand in UGB (2021 2041)</u>	<u>2041 Surplus (Deficit)</u>
<u>129</u>	<u>281</u>	<u>(152)</u>

Source: Economic Opportunities Analysis, Exhibits 30, 31 and 33 (March, 2021)

Section 10. The Newberg Comprehensive Plan, V. Land Need and Supply, D. Industrial Land Need and Supply, 3. 2040 Industrial Land Supply and Need is deleted:

3. ~~2040 Industrial Land Supply and Need~~

~~The period 2025–2040 will have additional needs for industrial lands. There is projected to be a need for 37 acres of additional small/medium sites. In addition, there will be a need for six large industrial sites (20 acres each).~~

Table V- 12. ~~2026-2040 Industrial Land Supply and Need~~

<u>Industrial Site Size</u>	<u>2026-2040 Need</u>
<u>Small/Medium sites (< 20 ac)</u>	<u>37 ac</u>
<u>Large sites (20+ ac)</u>	<u>120 ac</u>

Section 11. The Newberg Comprehensive Plan, V. Land Need Supply, E. Institutional Land Need and Supply, is amended to read:

~~Newberg has estimated the land need for public and quasi-public institutional uses based on consultation with the Newberg School District, the Chehalem Park and Recreation District, and per capita needs based on the future population forecast (Table V-13).~~

Table V- 13. Summary of Institutional Land Needs (acres)

Category	2025	2040
Schools	85 acres	105 acres
Parks	85 acres	115 acres
Other	79 acres	128 acres
Total	249 acres	348 acres

Public and semi-public institutions (schools, parks, churches, etc.) are often located in or near residential neighborhoods. These facilities are often developed on residential land and are only zoned for public uses after they have been acquired by the institution for a specific purpose. Newberg has not designated specific parcels for future institutions without the consent of the property owner and/or the institution. At the same time, Newberg needs to ensure an adequate supply of land for future growth of the community as complete neighborhoods with housing, parks, schools and churches. In order to provide an adequate supply of land, some of the institutional uses may locate on infill sites within the UGB and would take away from the residential or other land supply. Additional unmet need will have to be satisfied in the future growth.

E. Public and Semi-Public Land Need and Supply

Newberg has estimated the land need for public and semi-public uses based on the Public and Semi-Public Land Need 2021 – 2041 analysis prepared by ECONorthwest (Table V-26). Public and semi-public uses (city, county, state, schools, parks, churches, university, etc.) are located throughout the community. These uses can be developed on residential, commercial, and industrial land. Newberg has designated parcels for future public and quasi-public with property owner consent. At the same time, Newberg needs to ensure an adequate supply of land for future growth of the community with city/county/state facilities, parks, schools and churches. In order to provide an adequate supply of land, some of the uses may locate on residential, commercial and industrial lands within the UGB and would take away from the residential, commercial and industrial land supply.

Table V-26. Summary of Public and Semi-Public Land Needs (acres)

Use	Land Need (acres)					Total 2041
	Low Density	Medium Density	High Density	Commercial	Industrial	
<u>Municipal</u>	<u>7</u>	<u>9.3</u>	<u>0</u>	<u>2.2</u>	<u>10</u>	<u>28.5 acres</u>
<u>Parks</u>	<u>20</u>	<u>20</u>	<u>20</u>	<u>0</u>	<u>0</u>	<u>60 acres</u>
<u>Semi-Public</u>	<u>19.1</u>	<u>6.4</u>	<u>3.5</u>	<u>.7</u>	<u>2.3</u>	<u>32 acres</u>
Total	46.1	35.7	23.5	2.9	12.3	120.5 acres

Source: Public and Semi-Public Land Need 2021 – 2041, ECONorthwest. (February 2021)

Section 12. The Newberg Comprehensive Plan, V. Land Need and Supply, F. Summary of Land Needs is amended to read:

Table V-14 summarizes the future land needs for the Newberg urban area.

Table V-14. Future Land Needs and Supply, Newberg Urban Area

Plan Designation	Buildable Acres Needed 2005-2025	Buildable Acres in UGB (2004)	Surplus (Deficit) for 2005-2025	Buildable Acres Needed 2026-2040	Buildable Acres In URA⁴ (2004)	Surplus (Deficit) 2026-2040
LDR	612	359	(253)	735		
MDR	173	142	(31)	191		
HDR	89	13	(76)	83		
COM	111	105	(6)	109		
IND	50	99	49	37		
IND (Large Site)	100	60	(40)	120		
P	85	0	(85)	115		
I, PQ, or other Inst.	164	0	(164)	233		
Total	1,384	778	(606)	1,623	467	(1,156)

Table V-27 summarizes the future land needs for the Newberg urban area.

Table V- 27. Future Land Needs and Supply, Newberg Urban Area

<u>Plan Designation</u>	<u>Unconstrained Buildable Acres in UGB 2021</u>	<u>Buildable Acres Needed 2021-2041</u>	<u>Public/Semi-Public Land Need (acres)</u>	<u>Surplus (Deficit) for 2021-2041 (acres)</u>
LDR	<u>188</u>	<u>141.9</u>	<u>46.1</u>	<u>35</u>
MDR	<u>90</u>	<u>88.5</u>	<u>35.7</u>	<u>(34)</u>
HDR	<u>16</u>	<u>36.5</u>	<u>23.5</u>	<u>(44)</u>
Northwest Specific Plan	<u>14</u>	<u>14</u>	<u>N/A</u>	<u>N/A</u>
Springbrook District	<u>260</u>	<u>260</u>	<u>N/A</u>	<u>NA</u>
COM	<u>83</u>	<u>104</u>	<u>2.9</u>	<u>18.1</u>
IND	<u>129</u>	<u>281</u>	<u>12.3</u>	<u>(164.3)</u>
Total	<u>1,058</u>	<u>925.9</u>	<u>120.5</u>	

⁴ Land within the Urban Reserve Area is not currently assigned to specific comprehensive plan districts.

Source: Housing Needs analysis (June 2021), Economic Opportunities Analysis (March, 2021), and Public and Semi-Public Land Need 2021 – 2041 (February 2021)

DRAFT

Exhibit “E” to Planning Commission Resolution No. 2022-382 Comprehensive Plan Amendment Findings – File CPTA22-0002

APPROVAL CRITERIA

A. Statewide Planning Goals (the “Goals”)

GOAL 1: CITIZEN INVOLVEMENT

To develop a citizen involvement program that ensures the opportunity for citizens to be involved in all phases of the planning process.

Finding: The City meets this requirement by having various citizen committees and/or commissions with opportunities for the public to testify on general or specific matters. The proposal went before the Newberg Planning Commission on October 13, 2022, and Newberg City Council on November 7, 2022, which provided the opportunity for public comment. Finally, notice was published in the Newberg Graphic newspaper and posted in four public places.

The amendments are subject to the Type IV Legislative process, which requires public notification and public hearings before the Planning Commission and the City Council. This process has been established by the City and determined to be consistent with Goal 1 of the Oregon Statewide Planning Goals. The public hearing notice of the action and decision, and the hearings on this case before the Planning Commission and the City Council are all recognized as opportunities for citizen participation.

The Goal is met.

GOAL 2: LAND USE PLANNING

To establish a land use planning process and policy framework as a basis for all decisions and actions related to use of land and to assure an adequate factual base for such decisions and actions.

Finding: This Goal requires that land use decisions 1) have an adequate factual base, 2) that alternatives have been considered, and 3) that implementation measures are consistent with and adequate to carry out comprehensive plan policies and designations.

Newberg has an ongoing land use planning program, which includes using the adopted Comprehensive Plan, Development Code, and related plans to guide planning activities within the city. This proposed amendment to the Comprehensive Plan will help keep the Plan relevant and current. The proposed land use action has an adequate factual base and is based on the Housing Needs Analysis (HNA), Economic Opportunities Analysis (EOA), and Public and Semi-Public Land (PSP) analysis. Alternatives were considered when the HNA, EOA and PSP were developed. There are no implementation measures associated with this proposal.

The alternatives to amending the Comprehensive Plan text would be to: 1) deny the application, 2) direct staff to redo the Housing Need Analysis, Economic Opportunities Analysis, and Public and Semi-Public Land Need analysis.

The Goal is met.

GOAL 3: AGRICULTURAL LANDS

To preserve and maintain agricultural lands.

Finding: Not applicable because the proposal does not propose any comprehensive plan or land use regulation changes to agricultural lands outside of the Newberg Urban Growth Boundary.

GOAL 4: FOREST LANDS

To conserve forest lands by maintaining the forest land base and to protect the state's forest economy by making possible economically efficient forest practices that assure the continuous growing and harvesting of forest tree species as the leading use on forest land consistent with sound management of soil, air, water, and fish and wildlife resources and to provide for recreational opportunities and agriculture.

Finding: Not applicable because the proposal does not propose any comprehensive plan or land use regulation changes to forest lands inside or outside of the Newberg Urban Growth Boundary.

GOAL 5: NATURAL RESOURCES, SCENIC AND HISTORIC AREAS, AND OPEN SPACES

To protect natural resources and conserve scenic and historic areas and open spaces.

Finding: The proposed amendment will not negatively impact inventoried Goal 5 resources because the comprehensive plan amendments do not change protections that already exist in the Comprehensive Plan or Newberg Municipal Code, Specific Plans and Master Plans to protect these resources. Newberg has an acknowledged Stream Corridor designation, inventoried historic resources, and identified open spaces in compliance with Goal 5.

This Goal is met.

GOAL 6: AIR, WATER AND LAND RESOURCES QUALITY

To maintain and improve the quality of the air, water and land resources of the state.

Finding: Newberg has an acknowledged Comprehensive Plan that complies with this goal. Protections are already in place for air, water, and land resource quality. This proposal does not modify the existing goals and policies. Amending the Comprehensive Plan does not negatively impact Goal 6.

This Goal is met.

GOAL 7: AREAS SUBJECT TO NATURAL HAZARDS

To protect people and property from natural hazards.

Finding: Newberg has an acknowledged Comprehensive Plan that complies with this goal. This proposal does not modify the City’s natural hazards goals, policies, or requirements such as flood plain or landslide areas. Natural hazard areas have been taken into consideration in developing the unconstrained buildable lands inventory for land sufficiency for housing land needs and employment land needs as reflected in Exhibit “A” and Exhibit “B” and incorporated by reference. This proposal does not modify the existing goals and policies.

This Goal is met.

GOAL 8: RECREATIONAL NEEDS

To satisfy the recreational needs of the citizens of the state and visitors and, where appropriate, to provide for the siting of necessary recreational facilities including destination resorts.

Finding: Newberg has an acknowledged Comprehensive Plan that complies with this goal. This proposal identifies the additional need for park land over the 20-year horizon (2021 – 2041) identifying the need for 60 acres of park land across Low Density Residential (LDR), Medium Density Residential (MDR), and High Density Residential (HDR) plan designations in the Newberg Public and Semi-Public Land Need 2021-2041 which is incorporated by reference and included as Exhibit “C”. The proposal does not modify the City’s recreational goals and policies for park acres per population based on the type of park designation.

This Goal is met.

GOAL 9: ECONOMIC DEVELOPMENT

To provide adequate opportunities throughout the state for a variety of economic activities vital to the health, welfare, and prosperity of Oregon's citizens.

Finding: The proposed changes to the Comprehensive Plan, V. Land Need Supply are drawn from the June 2021 Newberg Economic Opportunities Analysis. As identified in the document the primary goals of the EOA are to (1) project the amount of land needed to accommodate the future employment growth within the Newberg Urban Growth Boundary (UGB) between 2021 and 2041, (2) evaluate the existing employment land supply within the city to determine if it is adequate to meet that need, and (3) to fulfill state planning requirements for a twenty-year supply of employment land.

Employment is projected to grow from 14,034 in 2021 to 18,486 in 2041. This is an increase of 4,452 jobs over the planning period. The EOA has identified redevelopment and infill opportunities to meet the employment growth. Even with these factors Newberg is deficient in employment land (industrial) by 152 acres, not including public and semi-public uses that will locate on employment lands. The industrial land deficiency is across a spectrum of site sizes

from less than 5 acres to 50 acres. The majority of sites are needed at the less-than 5-acre size, but the range of site sizes is key to diversifying Newberg's economy and aligning with the city's potential growth industries. When adding in the PSP land need the deficiency increase to 164.3 acres. The EOA identifies a surplus of 21 acres of commercial land. Adding in PSP land need the surplus is 18.1 acres. The details that address the Economy Goal are included in Exhibit "B" and are incorporated by reference into the findings.

The Goal is met.

GOAL 10: HOUSING

To provide for the housing needs of citizens of the state.

Finding: The Housing Needs Analysis and PSP indicate that there is a deficiency of 34 acres in the Medium Density plan designation and 44 acres in the High Density plan Designation. Here is a surplus of 35 acres in the Low Density Plan Designation. These numbers include capturing the need for group quarters and lands for public and semi-public uses.

The analysis also includes the Northwest Newberg Specific Plan and Springbrook District anticipating that both of the specific plan areas will fully develop to their planned densities.

The City Council and Planning Commission have discussed efficiency measures to implement and possible future strategies. The HNA and Housing Strategy identify moving from fewer detached single family dwelling residential development over the 20-year planning horizon. This is to move to 60% detached single-family dwellings, 8% attached single-family dwellings, and 32% multi-family dwelling development from the historic trend of 72% detached single-family dwellings, 5% attached single-family dwellings and 23% multi-family dwellings. In addition the city has enacted a series of Comprehensive Plan and Development Code changes to address Middle Housing and Accessory Dwelling unit development that are captured in the HNA, Comprehensive Plan and Newberg Development Code. Actions related to housing are reflected in Attachment 3 for the Housing Work Program.

The City of Newberg has also addressed housing needs through Comprehensive Plan and Zone Changes. An example is the Riverfront District where commercial land was changed to High Density Residential and Medium Density Residential, and the commercial land list of uses expanded to allow housing above ground floor commercial. Other examples are conversion of Neighborhood Commercial to Medium Density Residential, and Industrial to Medium Density Residential. These efforts were to address an efficient use of the land supply to address housing needs.

Exhibits "A", and "C" are incorporated by reference into these findings.

The Goal is met.

GOAL 11: PUBLIC FACILITIES AND SERVICES

To plan and develop a timely, orderly and efficient arrangement of public facilities and services to serve as a framework for urban and rural development.

Finding: The proposed Comprehensive Plan amendment does not change the City's Water Master Plan, Wastewater Master Plan or Stormwater Master Plan and are updated approximately every 10 years. These plans have been developed to accommodate the growth within the community. If an Urban Growth Boundary expansion is necessary to accommodate the housing, employment, and public and semi-public needs in the future, public facility plans will be updated accordingly.

The proposal meets the Goal.

GOAL 12: TRANSPORTATION

To provide and encourage a safe, convenient and economic transportation system.

Finding: The proposed Comprehensive Plan amendment does not change the City's Transportation System Plan. This plan has been developed to accommodate the growth within the community. If an Urban Growth Boundary expansion is necessary to accommodate the project housing, employment, and public and semi-public needs in the future the Transportation System Plan will be updated accordingly.

The proposal meets the Goal.

GOAL 13: ENERGY CONSERVATION

To conserve energy.

Finding: Newberg needs to have an updated land supply in order to effectively plan future needs for energy conservation. By updating the Comprehensive Plan, Newberg can more effectively plan on how to conserve energy brought about by new growth.

This Goal is met.

GOAL 14: URBANIZATION

To provide for an orderly and efficient transition from rural to urban land use, to accommodate urban population and urban employment inside urban growth boundaries, to ensure efficient use of land, and to provide for livable communities.

Finding: The HNA, EOA, and PSP analysis has identified that the land sufficiency for Medium Density Residential, High Density Residential, employment land, and public and semi-public land needs are deficient. The City Council and Planning Commission have discussed efficiency measures to implement and possible future strategies. The HNA and Housing Strategy identify moving from fewer detached single family dwelling residential development over the 20-year planning horizon. This is to move to 60% detached single-family dwellings, 8% attached single-family dwellings, and 32% multi-family dwelling development from the historic trend of 72%

detached single-family dwellings, 5% attached single-family dwellings and 23% multi-family dwellings. In addition the city has enacted a series of Comprehensive Plan and Development Code changes to address Middle Housing and Accessory Dwelling unit development that are captured in the HNA, Comprehensive Plan and Newberg Development Code. Actions related to housing are reflected in Attachment 3 for the Housing Work Program.

Employment is projected to grow from 14,034 in 2021 to 18,486 in 2041. This is an increase of 4,452 jobs over the planning period. The EOA has identified redevelopment and infill opportunities. Even with this effort, Newberg is deficient in employment land (industrial) by 156 acres, not including public and semi-public uses that will locate on employment lands.

Exhibits “A”, “B”, and “C” are incorporated by reference into these findings.

This Goal is met.

GOAL 15: WILLAMETTE RIVER GREENWAY

To protect, conserve, enhance and maintain the natural, scenic, historical, agricultural, economic and recreational qualities of lands along the Willamette River as the Willamette River Greenway.

Finding: Not applicable as the proposed comprehensive plan amendment does not change the Willamette River Greenway goals, policies or implementing regulations. The City of Newberg is located along the Willamette River on its southern border.

This Goal is met.

B. Newberg Comprehensive Plan

II. GOALS AND POLICIES

A. CITIZEN INVOLVEMENT

GOAL: To maintain a Citizen Involvement Program that offers citizens the opportunity for involvement in all phases of the planning process.

Finding: The City meets this requirement by having various citizen committees and/or commissions with opportunities for the public to testify on general or specific matters. The proposal went before the Newberg Planning Commission on October 13, 2022, and Newberg City Council on November 7, 2022, which provided the opportunity for public comment. Finally, notice was published in the Newberg Graphic newspaper and posted in four public places.

The amendments are subject to the Type IV Legislative process, which requires public notification and public hearings before the Planning Commission and the City Council. This process has been established by the City and determined to be consistent with Goal 1 of the Oregon Statewide Planning Goals. The public hearing notice of the action and decision, and the hearings on this case before the Planning Commission and the City Council are all recognized as opportunities for citizen participation.

The Goal is met.

B. LAND USE PLANNING

GOAL: To maintain an on-going land use planning program to implement statewide and local goals. The program shall be consistent with natural and cultural resources and needs.

Finding: This Goal requires that land use decisions 1) have an adequate factual base, 2) that alternatives have been considered, and 3) that implementation measures are consistent with and adequate to carry out comprehensive plan policies and designations.

Newberg has an ongoing land use planning program, which includes using the adopted Comprehensive Plan, Development Code, and related plans to guide planning activities within the city. This proposed amendment to the Comprehensive Plan will help keep the Plan relevant and current. The proposed land use action has an adequate factual base and is based on the Housing Needs Analysis (HNA), Economic Opportunities Analysis (EOA), and Public and Semi-Public Land (PSP) analysis. Alternatives were considered when the HNA, EOA and PSP were developed. There are no implementation measures associated with this proposal.

The alternatives to amending the Comprehensive Plan text would be to: 1) deny the application, 2) direct staff to redo the Housing Need Analysis, Economic Opportunities Analysis, and Public and Semi-Public Land Need analysis.

The Goal is met.

C. AGRICULTURAL LANDS

GOAL: To provide for the orderly and efficient transition from rural to urban land uses.

Finding: Not applicable because the proposal does not propose any comprehensive plan or land use regulation changes to agricultural lands outside of the Newberg Urban Growth Boundary.

D. WOODED AREAS

GOAL: To retain and protect wooded areas.

Finding: Not applicable because the proposal does not propose any land use regulation changes to the Stream Corridor that protects wooded areas within the Newberg Urban Growth Boundary.

E. AIR, WATER, AND LAND RESOURCE QUALITY

GOAL: To maintain and, where feasible, enhance the air, water and land resource qualities within the community.

POLICY: 1. Development shall not exceed the carrying capacity of the air, water or land resource base.

Finding: Newberg has an acknowledged Comprehensive Plan that complies with this goal. Protections are already in place for air, water, and land resource quality. This proposal does not modify the existing goals and policies. Amending the Comprehensive Plan does not negatively impact Goal 6.

This Goal is met.

F. AREAS SUBJECT TO NATURAL HAZARDS

GOAL: To protect life and property from flooding and other natural hazards.

Finding: Newberg has an acknowledged Comprehensive Plan that complies with this goal. This proposal does not modify the City's natural hazards goals, policies, or requirements such as flood plain or landslide areas. Natural hazard areas have been taken into consideration in developing the unconstrained buildable lands inventory for land sufficiency for housing land needs and employment land needs as reflected in Exhibit "A" and Exhibit "B" and incorporated by reference. This proposal does not modify the existing goals and policies.

This Goal is met.

G. OPEN SPACE, SCENIC, NATURAL, HISTORIC AND RECREATIONAL RESOURCES

GOALS:

1. To ensure that adequate land shall be retained in permanent open space use and that natural, scenic and historic resources are protected.

2. To provide adequate recreational resources and opportunities for the citizens of the community and visitors.
3. To protect, conserve, enhance and maintain the Willamette River Greenway.

Finding: Newberg has an acknowledged Comprehensive Plan that complies with this goal. This proposal identifies the additional need for park land over the 20-year horizon (2021 – 2041) identifying the need for 60 acres of park land across Low Density Residential (LDR), Medium Density Residential (MDR), and High Density Residential (HDR) plan designations in the Newberg Public and Semi-Public Land Need 2021-2041 which is incorporated by reference and included as Exhibit “C”. The proposal does not modify the City’s recreational goals and policies for park acres per population based on the type of park designation.

This Goal is met.

H. THE ECONOMY

GOAL: To develop a diverse and stable economic base.

POLICY: 1. General Policies. b. The City shall encourage economic expansion consistent with local needs.

Finding: The proposed changes to the Comprehensive Plan, V. Land Need Supply are drawn from the June 2021 Newberg Economic Opportunities Analysis. As identified in the document the primary goals of the EOA are to (1) project the amount of land needed to accommodate the future employment growth within the Newberg Urban Growth Boundary (UGB) between 2021 and 2041, (2) evaluate the existing employment land supply within the city to determine if it is adequate to meet that need, and (3) to fulfill state planning requirements for a twenty-year supply of employment land.

Employment is projected to grow from 14,034 in 2021 to 18,486 in 2041. This is an increase of 4,452 jobs over the planning period. The EOA has identified redevelopment and infill opportunities to meet the employment growth. Even with these factors Newberg is deficient in employment land (industrial) by 152 acres, not including public and semi-public uses that will locate on employment lands. The industrial land deficiency is across a spectrum of site sizes from less than 5 acres to 50 acres. The majority of sites are needed at the less-than 5-acre size, but the range of site sizes is key to diversifying Newberg’s economy and aligning with the city’s potential growth industries. When adding in the PSP land need the deficiency increase to 164.3 acres. The EOA identifies a surplus of 21 acres of commercial land. Adding in PSP land need the surplus is 18.1 acres. The details that address the Economy Goal are included in Exhibit “B” and are incorporated by reference into the findings.

The Goal is met.

I. HOUSING

GOAL: To provide for diversity in the type, density and location of housing within the City to ensure there is an adequate supply of affordable housing units to meet the needs

of City residents of various income levels. (Ordinance 2006-2634)

Finding: The Housing Needs Analysis and PSP indicate that there is a deficiency of 34 acres in the Medium Density plan designation and 44 acres in the High Density plan Designation. Here is a surplus of 35 acres in the Low Density Plan Designation. These numbers include capturing the need for group quarters and lands for public and semi-public uses.

The analysis also includes the Northwest Newberg Specific Plan and Springbrook District anticipating that both of the specific plan areas will fully develop to their planned densities.

The City Council and Planning Commission have discussed efficiency measures to implement and possible future strategies. The HNA and Housing Strategy identify moving from fewer detached single family dwelling residential development over the 20-year planning horizon. This is to move to 60% detached single-family dwellings, 8% attached single-family dwellings, and 32% multi-family dwelling development from the historic trend of 72% detached single-family dwellings, 5% attached single-family dwellings and 23% multi-family dwellings. In addition the city has enacted a series of Comprehensive Plan and Development Code changes to address Middle Housing and Accessory Dwelling unit development that are captured in the HNA, Comprehensive Plan and Newberg Development Code. Actions related to housing are reflected in Attachment 3 for the Housing Work Program.

The City of Newberg has also addressed housing needs through Comprehensive Plan and Zone Changes. An example is the Riverfront District where commercial land was changed to High Density Residential and Medium Density Residential, and the commercial land list of uses expanded to allow housing above ground floor commercial. Other examples are conversion of Neighborhood Commercial to Medium Density Residential, and Industrial to Medium Density Residential. These efforts were to address an efficient use of the land supply to address housing needs.

Exhibits “A”, and “C” are incorporated by reference into these findings.

The Goal is met.

J. URBAN DESIGN

GOAL 1: To maintain and improve the natural beauty and visual character of the City.

GOAL: 2 To develop and maintain the physical context needed to support the livability and unique character of Newberg.

Finding: Not applicable because the proposed Comprehensive Plan amendment is not addressing urban design features. The amendment is focused on updating the Land Need and Supply chapter.

K. TRANSPORTATION

GOAL 1: Establish cooperative agreements to address transportation based planning,

development, operation and maintenance.

GOAL 2: Establish consistent policies which require concurrent consideration of transportation/land use system impacts.

GOAL 3: Promote reliance on multiple modes of transportation and reduce reliance on the automobile.

GOAL 4: Minimize the impact of regional traffic on the local transportation system.

GOAL 5: Maximize pedestrian, bicycle and other non-motorized travel throughout the City.

GOAL 6: Provide effective levels of non-auto oriented support facilities (e.g. bus shelters, bicycle racks, etc.).

GOAL 8: Maintain and enhance the City's image, character and quality of life.

GOAL 9: Create effective circulation and access for the local transportation system.

GOAL 10: Maintain the viability of existing rail, water and air transportation systems.

GOAL 11: Establish fair and equitable distribution of transportation improvement costs.

GOAL 12: Minimize the negative impact of a Highway 99 bypass on the Newberg community.

GOAL 13: Utilize the Yamhill County Transit Authority (YCTA) Transit Development Plan (TDP) as a Guidance Document.

GOAL 14: Coordinate with Yamhill County Transit Area.

GOAL 15: Implement Transit-Supportive Improvements.

Finding: The proposed Comprehensive Plan amendment does not change the City's Transportation System Plan. This plan has been developed to accommodate the growth within the community. If an Urban Growth Boundary expansion is necessary to accommodate the projected housing, employment, and public and semi-public needs in the future the Transportation System Plan will be updated accordingly.

The proposal meets the Goal.

L. PUBLIC FACILITIES AND SERVICES

GOAL: To plan and develop a timely, orderly and efficient arrangement of public facilities and services to serve as a framework for urban development.

Finding: The proposed Comprehensive Plan amendment does not change the City's Water Master Plan, Wastewater Master Plan or Stormwater Master Plan and are updated approximately every 10 years. These plans have been developed to accommodate the growth within the community. If an Urban Growth Boundary expansion is necessary to accommodate the housing, employment, and public and semi-public needs in the future, public facility plans will be updated accordingly.

The proposal meets the Goal.

M. ENERGY

GOAL: To conserve energy through efficient land use patterns and energy- related

policies and ordinances.

Finding: Newberg needs to have an updated land supply in order to effectively plan future needs for energy conservation. By updating the Comprehensive Plan, Newberg can more effectively plan on how to conserve energy brought about by new growth.

N. URBANIZATION

GOALS:

1. To provide for the orderly and efficient transition from rural to urban land uses.
2. To maintain Newberg's identity as a community which is separate from the Portland Metropolitan area.
3. To create a quality living environment through a balanced growth of urban and cultural activities.

Finding: The HNA, EOA, and PSP analysis has identified that the land sufficiency for Medium Density Residential, High Density Residential, employment land, and public and semi-public land needs are deficient. The City Council and Planning Commission have discussed efficiency measures to implement and possible future strategies. The HNA and Housing Strategy identify moving from fewer detached single family dwelling residential development over the 20-year planning horizon. This is to move to 60% detached single-family dwellings, 8% attached single-family dwellings, and 32% multi-family dwelling development from the historic trend of 72% detached single-family dwellings, 5% attached single-family dwellings and 23% multi-family dwellings. In addition the city has enacted a series of Comprehensive Plan and Development Code changes to address Middle Housing and Accessory Dwelling unit development that are captured in the HNA, Comprehensive Plan and Newberg Development Code. Actions related to housing are reflected in Attachment 3 for the Housing Work Program.

Employment is projected to grow from 14,034 in 2021 to 18,486 in 2041. This is an increase of 4,452 jobs over the planning period The EOA has identified redevelopment and infill opportunities. Even with this efforts Newberg is deficient in employment land (industrial) by 156 acres, not including public and semi-public uses that will locate on employment lands.

Exhibits “A”, “B”, and “C” are incorporated by reference into these findings.

This Goal is met.

D. Newberg Municipal Code

Chapter 15.100 LAND USE PROCESSES AND PROCEDURES

15.100.060 Type IV procedure – Legislative.

A. Type IV Actions Are Legislative. The planning commission shall hold a public hearing and make a recommendation to the city council. The city council shall hold another public hearing and make a final decision.

B. Legislative actions include, but are not limited to:

1. Amendments to the Newberg comprehensive plan text;
2. Amendments to the Newberg development code;
3. The creation of any land use regulation.

C. The public hearing before the planning commission shall be held in accordance with the requirements of this code. Notice of a hearing on a legislative decision need not include a mailing to property owners or posting of property (refer to NMC 15.100.200 et seq.).

D. Interested persons may present evidence and testimony relevant to the proposal. If criteria are involved, the planning commission shall make findings for each of the applicable criteria.

E. The city council shall conduct a new hearing pursuant to this code. At the public hearing, the staff shall present the report of the planning commission and may provide other pertinent information. Interested persons shall be given the opportunity to present new testimony and information relevant to the proposal that was not heard before the planning commission.

F. To the extent that a finding of fact is required, the city council shall make a finding for each of the applicable criteria and in doing so may sustain or reverse a finding of the planning commission. In granting an approval, the city council may delete, add, or modify any of the provisions in the proposal or attach certain conditions beyond those warranted for the compliance with standards if the city council determines that the conditions are necessary to fulfill the approval criteria.

G. The city council's decision shall become final upon the effective date of the ordinance or resolution.

Finding: Public hearings with the Planning Commission and the City Council are required to finalize a decision regarding the application for the amendment to the Development Code.

This requirement can be met.

Attachment 1: City Council July 19, 2021 Packet

DRAFT

REQUEST FOR COUNCIL ACTION

DATE ACTION REQUESTED: July 19, 2021

Order ___ Ordinance ___ Resolution ___ Motion XX Information ___
No. No. No.

SUBJECT: Direction on Urban Growth Boundary Expansion

**Staff: Doug Rux, Director
Department: Community Development**

Business Session

Order on Agenda: New Business

RECOMMENDATION:

Motion: "I motion that City Council direct staff to initiate the process to amend the Urban Growth Boundary and direct staff to prepare Comprehensive Plan and Development Code Amendments to adopt the Housing Needs Analysis, Economic Opportunities Analysis, and Public – Semi Public Land Needs Analysis."

EXECUTIVE SUMMARY:

The City Council reviewed material related to various options related to a potential Urban Growth Boundary Expansion on May 17, 2021 and June 21, 2021. They are continuing that discussion on July 19, 2021. The following material was presented to the Planning Commission related to efficiency measures for consideration. Staff will verbally provide the Planning Commission feedback at the City Council's July 19, 2021 meeting.

Below is a list of items for discussion on possible efficiency measures staff would like to get feedback on. There may be other items to add to the list based on the discussion.

1. Increasing multi-family structure height (5 units or more)
2. Creating a new multi-family zone above 16.5 dwelling units per acre
3. Reducing residential zone lot sizes
4. Residential Parking Standards
5. Transferring density out of stream corridor areas
6. Increasing number of lots that can use a private access drive above 4
7. Modifying multi-family setbacks
8. Modify short term rental regulations
9. Evaluate establishing mandated maximum lot size standards
10. Evaluate establishing minimum density standards
11. Housing on Religious Institution Properties
12. Public Street Standards
13. Modify efficiency dwelling unit size for SDC reduction

Background on Prior City Council and Planning Commission Discussions:

City Council Discussion June 21, 2021 summary:

- Can a UGB expansion be just industrial or a combination of industrial and residential?
- Can industrial be clustered along Highway 219?

- Location of existing Urban Reserve Areas
- Recap on past UGB and URA history
- Not sure 4 – 5 story buildings is the correct approach
- Medical node around hospital may be a good idea
- Will consultant services be necessary to do a UGB expansion?

Planning Commission Discussion June 10, 2021 summary:

- Some UGB expansion is needed
- Stay out of landslide areas to the north
- Could there be a library annex and Post office annex near hospital
- Community has needed a UGB expansion for a number of years
- Add industrial in SE area off Hwy 219
- Add residential along Hwy 240
- No industrial in North Hills URA
- North Hills URA will be difficult for housing and affordability
- Residential east of The Greens (proximity to water and wastewater)
- Increase residential building height (multi-family to 4 -5 floors)
- Downtown mixed use – allow time to get to 3 – 4 story buildings
- Industrial should not be next to residential
- Medical node around hospital (Klimek URA)

The City Council discussion May 17, 2021summary:

- What are other cities doing on UGB?

McMinnville completed their local process for a UGB expansion in late 2020.

Lafayette expanded its UGB in 2017.

Dundee is not discussing UGB expansion at this time and its focus is on the Riverside District.

- Klimek Lane area for medical uses?

Staff raised this possibility at the May 17 meeting for consideration as the Newberg population will continue to grow and healthcare services as one of the largest sectors of our local economy will continue to expand with a growing and aging population. Proximity of this area to Providence Newberg Medical Center can create a healthcare cluster area for future services. Other health care services already in the immediate area include the Oregon Clinic, Marquis, and Memory Care facilities.

- Are there consultant specialist to assist with a UGB expansion program?

Yes there are professionals that assist cities in evaluating and preparing UGB expansion proposals. The City used professional consultant services to prepare the HNA, EOA and Public-Semi Public Lands Needs Analysis reports. These were the first steps in determining if a UGB expansion was necessary or not.

Follow up questions were received by staff from City Council members. These included:

- What is the history, location and rationale from the last UGB expansion effort and how much did it cost?

From 2005 through 2015 the City attempted a UGB expansion effort for industrial land in southwest Newberg. The area was generally east and west of Highway 219 and south of Wilsonville Road and Wyooski Road. There were multiple activities occurring at the same time during the time period. An Urban Reserve Area (URA) analysis, UGB expansion, EOA analysis and the South Industrial Area Master Plan. The focus of the UGB expansion and Master Plan was for industrial land and did not look at residential or commercial land. The URA, UGB, and EOA proposals were challenged by citizens and organizations. Ultimately the efforts were not successful because of the challenges and inability to get approval from the Land Conservation and Development Commission (LCDC). As for the cost of the efforts staff would need to do additional research.

- What are the challenges surrounding up zoning?

There are actually two tracks to reclassifying land use designations. There is the Comprehensive Plan Map change and the Zoning Map change. All land within our existing UGB has a Comprehensive Plan Map designation. Attachment 1 is our adopted Comprehensive Plan Map. For properties that were within the city limits they additionally have a zoning designation. Attachment 2 is our adopted Zoning Map. To change the Comprehensive Plan Map and the Zoning Map requires a land use process with analysis and findings for compliance with Statewide Planning Goals and Newberg Comprehensive Plan goals and policies. Public hearings are required before the Planning Commission and City Council. The City also has to go through a Post Acknowledgment Plan Amendment (PAPA) process with the Department of Land Conservation and Development (DLCD).

There are two paths to initiate the amendments. The first is that a property owner requests the change and files the application and all of the required material including the analysis and findings.

The second is the City initiates the change. For an analogy the City initiated the changes for the Riverfront Master Plan area. In this situation the City prepares all of the required material including the analysis and findings. The resources to conduct the work can come from existing staff but staff will need outside consultant services as well for some of the specific detailed analysis requirements such as preparing a Transportation Planning Rule analysis or a detailed infrastructure analysis. A lot of coordination needs to occur with a property owner or owners if the City initiates the change. A property owner may object to changing their Comprehensive Plan designation and could file a Measure 49 claim against the City that the City has devalued their property by the proposal.

There is also the Not in My Back Yard (NIMBY) issue from surrounding property owners. An example would be changing a Low Density Residential (LDR) designation to High Density Residential (HDR) designation where the surrounding properties are LDR and those property owners object to having higher density residential development adjacent to them or in their neighborhood. Property owners could participate in the local

review notification and public hearing processes (either for path 1 or 2) and if the decision is counter to their desires to not have higher density they could appeal the City Council's decision to the Land Use Board of Appeals (LUBA).

- Where are our industrial land located?

Attachment 6 identifies our vacant and partially vacant industrial lands. Attachments 8, 9 and 10 identify the location of all of our industrial lands.

Background May 17, 2021:

The City of Newberg has been evaluating if it has a sufficient residential land supply to meet the population growth projected by Portland State University (PSU) Population Research Center (PRC) for the 20 year period of 2021 – 2041, the employment growth over the next 20 years, and land needs for public and semi-public uses for the next 20 years. The City Council has accepted the following documents related to these evaluations.

- City of Newberg Housing Needs Analysis, February 2021 (Resolution No. 2021-3718)
- City of Newberg Economic Opportunities Analysis, March 2021 (Resolution No. 2021-3728)
- Newberg Public and Semi-Public Land Need 2021 – 2041, February 2021 (Resolution No. 2021-3720)

The City Council also updated the Newberg Comprehensive Plan Section IV (Subsection B) Population Projections by Ordinance No. 2021-2872 on March 15, 2021 based on the PRC Coordinated Population Forecast for Yamhill County Urban Growth Boundaries (UGB) & Area Outside, June 2020.

Conclusions reached in the reports identified the following:

City of Newberg Housing Needs Analysis (HNA)

A twenty-year population forecast (in this instance, 2021 to 2041) is the foundation for estimating needed new dwelling units. The Newberg UGB will grow from 25,204 persons in 2021 to 33,199 persons in 2041, an increase of 7,995 people.

27% of Newberg's new group quarters population (7.2% of the total population), approximately 155 additional people, will be housed in group quarters.

For the 2021 to 2041 period, it was assumed an average household size of 2.61 persons.

For the 2021 to 2041 period, it was assumed a vacancy rate of 5.5%.

Newberg will have demand for 3,169 new dwelling units over the 20-year period, with an annual average of 158 dwelling units.

Newberg will have demand for 3,169 new dwelling units over the twenty-year period. Of these 3,169 dwelling units, 1,901 dwelling units will be single-family detached housing.

After accounting for the 20 forecasted accessory dwelling units, Newberg will have demand for

1,881 single-family detached units on vacant or partially vacant land. Similarly, Newberg will have demand for 1,014 multifamily units. After accounting for the 100 dwelling units accommodated by redevelopment, Newberg will have demand for 914 multifamily units on vacant or partially vacant land.

The Economic Opportunities Analysis (EOA) employment forecast assumes 303 employees will locate in residential plan designations, based on analysis of the distribution of existing employment in Newberg. Of these 303 employees, 19 will be in retail commercial and 284 will be in office and commercial services. The EOA assumes employment densities of 16 employees per acre for retail commercial employment and 22 employees per acre for office and commercial services employment. This results in about 14 net acres, or 18 gross acres of land for employment uses in residential plan designations.

The analysis shows that Newberg does not have sufficient land to accommodate development in the Medium and High-Density Residential plan designations, with a deficit of 37 (34) acres and 44 (44) acres, respectively. There is a surplus of 31 (35) acres in the Low Density Residential plan designation. (*Updated numbers incorporating Middle Housing at 3%*)

City of Newberg Economic Opportunities Analysis (EOA)

Newberg has sufficient land to accommodate demand for commercial employment in the Newberg UGB, but it does not have sufficient land to accommodate demand for industrial employment.

Based on land demand, Newberg is forecast to have a 21-gross-acre surplus of commercial land and a 152-gross-acre deficit of industrial land (on 96 sites). Factoring in the need for Public and Semi Public uses, the deficiency is 18 acres of commercial land and 164 acres of industrial land.

Newberg is planning for growth of 4,452 new jobs in the city over the 2021 to 2041 period. About 2,407 of the jobs will be industrial, 1,799 of the jobs will be in office and commercial services, and 120 in retail. Growth of these jobs will result in demand for about 83 gross acres of commercial land and 131 new sites for industrial uses.

Newberg will need an additional 2.9 acres of commercial land and 12.3 acres of industrial land for public and semipublic uses.

Newberg's wages are comparable to the regional average. Newberg's average wage of \$43,480 is slightly higher than the average of \$43,299 for Yamhill County. Newberg's potential growth industries generally have above-average wages, except for some types of food or agricultural product industries, such as wineries or vineyards, which also tend to hire seasonally.

Newberg will need to address key infrastructure needs in the Riverfront District. While water and wastewater connections will be relatively easy for eventual developers to access, the Riverfront Master Plan identifies potential challenges with connecting a road along the bluff area. This would require geotechnical studies that may present cost barriers for potential developers of the area.

Newberg's lack of industrial land presents barriers for business retention, expansion, and recruitment. Since 2014, the City has documented recruitment and retention of businesses looking to stay or locate in Newberg. A key issue businesses have cited is the lack of available or suitable greenfield sites. This has led to recent relocation of existing Newberg businesses, as well as lack of

new businesses choosing to locate in Newberg. Businesses are attracted to Newberg because of the access to a skilled workforce and quality of life, but the lack of suitable sites remains a key issue for many of these businesses.

Recommendations in the EOA include:

- The City should continue to implement the Newberg Economic Development Strategy to continue to support the type of industrial and commercial growth described in the EOA.
- The City has actively worked on implementing recent plans that in part address issues related to commercial and industrial land, including the Newberg Economic Development Strategy, Newberg Downtown Improvement Plan, A NewBERG Community Vision, and Riverfront Master Plan. This EOA implements the Newberg Economic Development Strategy by supporting the goals in the Strategy, such as identifying the need for land to support retention and expansion of businesses (item 1.2 in the Strategy), coordinating recruitment of traded-sector companies with partners such as SEDCOR and Business Oregon (item 1.3 in the Strategy), conducting analyses that support commercial development opportunities (item 2.1 and 2.2 in the Strategy), and providing other analyses and recommendations that implement the Strategy.

The redevelopment plans that are proceeding on the Commercial Development Company (former WestRock) mill site show that the City's Economic Development Strategy and broader redevelopment plans are being implemented. Implementing the Riverfront Master Plan and using Urban Renewal, as well as using the City's Enterprise Zone and the Opportunity Zone at the Commercial Development Company (former WestRock) mill site, have all resulted in plans for the redevelopment and implementation of these plans.

- Newberg should develop a policy that supports preservation of prime industrial land for sites over 10 acres in size. The City may consider identifying prime industrial sites using the following criteria: sites larger than 10 acres, sites with direct access to a highway or major arterial road, sites with existing investments in infrastructure needed by industrial uses, and sites surrounded by properties that are planned for industrial uses.
- The City should consider using incentives to support economic development. These incentives could include creating an economic or business district, developing a downtown partnership, developing a parking management plan in key commercial areas, supporting land assembly, reducing costs of development via regulatory streamlining, using SDC "deferrals" or changing how SDCs are assessed, using New Market Tax Credits and EB-5 Investment programs to support business growth, and supporting growth of particular industries (such as tourism and hospitality).
- The City should address the deficit of industrial land identified in the EOA, for 152 acres of land on about 96 sites. Given the limited amount of vacant land within Newberg's existing UGB, the City has few opportunities to accommodate expected growth within the UGB. The best opportunity, redevelopment of the Commercial Development Company (former WestRock) mill site, as well as the other sites shown in Exhibit 30, are the City's primary opportunities to increase land use efficiency within the existing UGB. The City should consider opportunities for the expansion of the UGB to accommodate industrial land needs.

Newberg Public and Semi-Public Land Need 2021 – 2041

Newberg will need about 120.5 acres of land to accommodate public and semi-public uses.

- Residential: 120.5 acres based on 16.3 acres needed for municipal uses, 60 acres needed for parks, and 29 acres for semi-public uses.
- Industrial: 12.3 acres based on 10 acres needed for municipal uses and 2.3 acres for semipublic uses.
- Commercial: 2.9 acres based on 2.2 acres for municipal uses and 0.7 acres for semi-public uses.

Options to consider for the identified land deficiency.

Residential

- Comprehensive Plan/Zone changes to accommodate the MDR and HDR deficiency and not expand the UGB.
- Comprehensive Plan/Zone changes to accommodate the MDR and HDR deficiency and expand the UGB.
- Expand the UGB and not conduct Comprehensive Plan/Zone changes to accommodate the MDR and HDR deficiency.

Industrial

- Comprehensive Plan/Zone changes to accommodate industrial to address the deficiency and not expand the UGB.
- Comprehensive Plan/Zone changes to accommodate industrial to address the deficiency and expand the UGB.
- Expand the UGB and not conduct Comprehensive Plan/Zone changes to accommodate the industrial deficiency.

Commercial

- The City currently has an identified surplus of 18 acres of commercial after deducting the Public/Semi-Public land need and no up zone or UGB expansion is necessary at this time.
- The City will need to monitor the commercial land supply. The Crestview Crossing Planned Unit Development will absorb approximately 22 gross acres of commercial land over the next several years creating a deficiency in the commercial land supply. Other inquiries the City has received on zoning modifications could also impact the current surplus of commercial land.

Potential implications of Comprehensive Plan designation changes and Zoning changes.

Residential

A. Comprehensive Plan/Zone changes to accommodate the MDR and HDR deficiency and not expand the UGB.

1. Attachment 1 is a copy of the Comprehensive Plan Map. Attachment 2 is a copy of the Zoning Map. Attachment 3 is the map showing the vacant/partially vacant residential lands. There is a surplus of 31 acres of LDR land. Reclassifying or up zoning 31 acres of LDR to MDR would leave a deficit of 6 acres of MDR and 44 acres of HDR. Reclassifying or up zoning 31 acres of LDR to HDR would leave a deficit of 13 acres of HDR and 37 acres of MDR.
2. Changing 18 acres of COM to MDR would leave a deficit of 19 of MDR and 44 acres of HDR. Reclassifying or up zoning 18 acres of COM to HDR would leave a deficit of 26 acres of HDR and 37 acres of MDR.
3. There are other subset combination choices to this approach such as making some changes to LDR and COM. If this is an approach Council would like to investigate, staff can prepare a matrix. Initial analysis is that there would still be a deficit of 32 acres of MDR and HDR to meet the 20 year need.
4. The City would also need to take into the consideration the Crestview Crossing development noted above that will place the City in a deficit position on commercial land over the next several years.

B. Comprehensive Plan/Zone changes to accommodate the MDR and HDR deficiency and expand the UGB.

1. This option includes the scenarios above to address the MDR and HDR deficit.
2. The City has Urban Reserve Area designations. These are depicted on Attachment 4. The North Hills URA encompasses 412 gross acres. The Klimek Lane URA totals approximately 28 gross acres. The Springbrook Road South URA totals approximately 68 acres. Finally, the Wynooski Road URA totals approximately 49 acres.
3. The North Hills URA may be the appropriate location for additional MDR and HDR lands.
4. The City Council may want to consider the Klimek Lane URA as a future employment area for medical services given the proximity of Providence Newberg Medical Center and the future need for medical services within the community.
5. The Springbrook Road South URA is largely bisected by the Newberg-Dundee Bypass Attachment 5 is a map identifying lands that have been acquired by ODOT in this area. Springbrook Creek borders the area on the east and would need to be evaluated for Goal 5 resources to determine what the net developable area might be.
6. The Wynooski Road URA is in an area with existing industrial development and may not be an appropriate location to consider for housing. In addition there is the Hess Creek area which would need to be evaluated for Goal 5 resources to determine what the net developable area might be.

C. Expand the UGB and not conduct Comprehensive Plan/Zone changes to accommodate the MDR and HDR deficiency.

1. This option includes the scenarios above under B.

Industrial

- A. Comprehensive Plan/Zone changes to accommodate industrial to address the deficiency and not expand the UGB.
1. Attachment 6 is the map showing the location of unconstrained vacant and potential infill Commercial and Industrial land. A visual review is that there is not much land to convert to industrial.
 2. Changing 18 acres of COM to IND would leave a deficit of 134 acres if IND. One potential issue with this approach is if the COM locations are conducive to industrial given surrounding uses.
 3. The Commercial Development Company (WestRock) mill site is identified for redevelopment and is not included in the 152 acre industrial land deficiency.
- B. Comprehensive Plan/Zone changes to accommodate industrial to address the deficiency and expand the UGB.
1. This possible option includes the elements under A above.
 2. The City has Urban Reserve Area designations. These are depicted on Attachment 4. The North Hills URA encompasses 412 gross acres. The Klimek Lane URA totals approximately 28 gross acres. The Springbrook Road South URA totals approximately 68 acres. Finally, the Wyooski Road URA totals approximately 49 acres.
 3. The North Hills URA would need to be evaluated to determine if it meets the site characteristics for industrial and if it is compatibility with surrounding uses.
 4. The City Council may want to consider the Klimek Lane URA as a future employment area for medical services given the proximity of Providence Newberg Medical Center and the future need for medical services within the community.
 5. The Springbrook Road South URA is largely bisected by the Newberg-Dundee Bypass. Attachment 5 is a map identifying lands that have been acquired by ODOT in this area. Springbrook Creek borders the area on the east and would need to be evaluated for Goal 5 resources to determine what the net developable area might be.
 6. The Wyooski Road URA is in an area with existing industrial development. In addition there is the Hess Creek area which would need to be evaluated for Goal 5 resources to determine what the net developable area might be.
 7. There may not be adequate lands within the URAs to meet site characteristics for industrial uses. Further analysis would need to be conducted.
- C. Expand the UGB and not conduct Comprehensive Plan/Zone changes to accommodate the industrial deficiency.
1. This option includes the elements under B above.
 2. If there are insufficient lands within the URAs then an evaluation of lands not in a URA would need to be evaluated. These lands could be Exception Lands or Resource Lands (Class 1 – 6 soils). Attachment 7 is a map that depicts the location of Exception Lands or Resource Lands outside of the UGB and URAs.
 3. UGB Priority (Hierarchy) for Consideration
 - a. Urban Reserve Areas
 - b. Exception Land
 - c. Resource Land Class IV – VI Soils

d. Resource Land Class I – III Soils

Next Steps

1. City Council meeting on July 19, 2021 to continue discussion on options and determine what approach the City Council wants to undertake on meeting the deficiency for residential and employment (Industrial) land need.
2. Notify the Department of Land Conservation and Development of the intent through the Post Acknowledgement Plan Amendment (PAPA) process to expand the UGB and to amend the Newberg Comprehensive Plan.
3. Adopt the EOA and integrate the necessary elements into the Comprehensive Plan under V. LAND NEED AND SUPPLY and notify the Department of Land Conservation and Development of the intent through the PAPA process.
4. Adopt the HNA and integrate the necessary elements into the Comprehensive Plan under V. LAND NEED AND SUPPLY and notify the Department of Land Conservation and Development of the intent through the PAPA process.
5. Adopt the Public and Semi Public Land Need and integrate the necessary elements into the Comprehensive Plan under V. LAND NEED AND SUPPLY and notify the Department of Land Conservation and Development of the intent through the PAPA process.
6. Respond to any legal challenges on the EOA, HNA, and Public and Semi Public Land Need.
7. If the direction is to proceed with a UGB expansion, engage a consultant(s) to assist with the UGB expansion process. Staff anticipates this will be a several year's long process.

FISCAL IMPACT:

\$300,000 is proposed in the FY 2021-22 budget to begin the process to evaluate an Urban Growth Boundary expansion. The funds are in 01-4110-58000 Professional Services.

STRATEGIC ASSESSMENT: (Relate to Council Goals if applicable)

2020 Council Goals:

1. Change operational culture to one focused on Customer Service and act to Resolve Ongoing Legal Disputes

Not applicable.

2. Further develop an operational culture that adopts and cherishes Diversity, Equity, and Inclusion as core values.

The Housing Needs Analysis and Housing Strategy directly addresses Diversity, Equity, and Inclusion by establishing the need for a variety of housing types and at varying income levels for all Newberg residents. The HNA provides data on demographics, housing need (including income levels, government assisted, farmworker, and manufactured housing), and group quarters. Additionally, historical trend data helps establish what needs to occur in the future within the Housing Need section of the report.

The Newberg EOA will assist in diversifying the Newberg economy for all individuals at varying income levels which will further the City Council's Diversity, Equity, and Inclusion goal.

The Newberg Public and Semi-Public Land Need 2021 – 2041 report in part addresses the need for public lands to support public and semi-public land needs such as parks, religious institution and other semi-public uses to ensure Diversity, Equity, and Inclusion for all Newberg residents and businesses.

3. Promote development of housing affordability such as houselessness, transitional housing, workforce housing.

The Housing Needs Analysis and Housing Strategy directly addresses housing affordability. Data is provided on housing by income level, government assisted, farmworker, and manufactured housing that set the stage for strategies to address the housing affordability.

The Newberg EOA does not directly focus on housing affordability, but through development of the EOA the CAC brought up the need to have affordable housing to assist in retaining and attracting new businesses for a qualified workforce.

The Newberg Public and Semi-Public Land Need 2021 – 2041 report in part addresses the need for public lands to support future housing in the area of public infrastructure, parks.

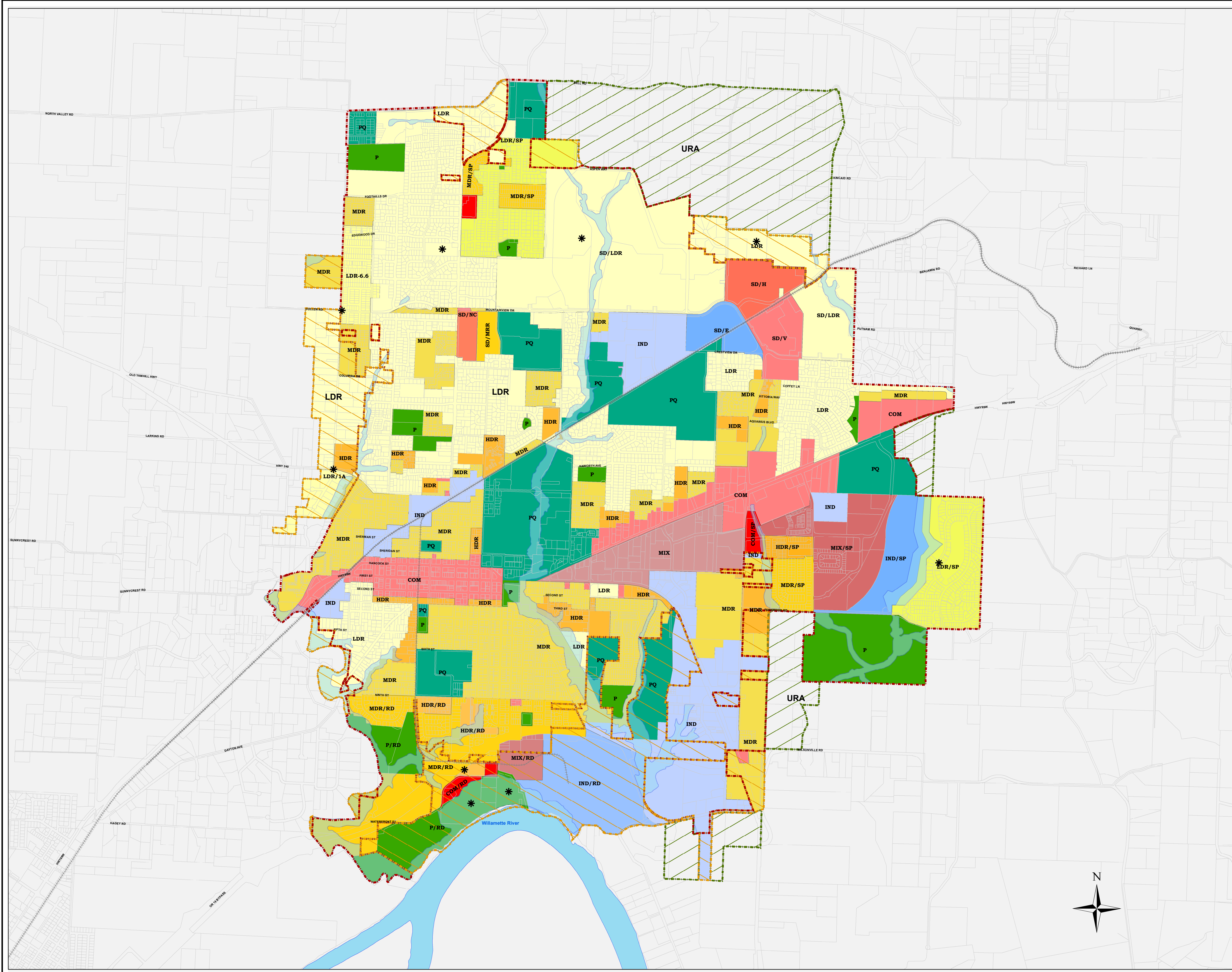
4. Create and support an Urban Renewal Plan and Authority

Not applicable.

5. Collaborate with local partners and with entities like ICLEI in the development of a Sustainability program.

Not applicable.

- Attachments:
1. Comprehensive Plan Map
 2. Zoning Map
 3. Residential Vacant/Partially Vacant Map
 4. Urban Reverses Location Map
 5. ODOT Bypass Land Acquisition Map
 6. Unconstrained vacant and potential infill Commercial and Industrial Land Map
 7. Exception Lands or Resource Land Map
 8. Industrial Land Map 1
 9. Industrial Land Map 2
 10. Industrial Land Map 3



City of Newberg, Oregon

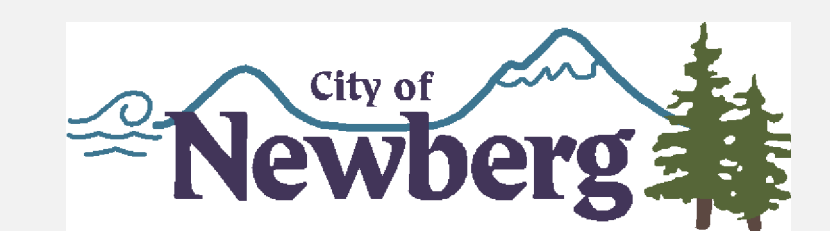
COMPREHENSIVE PLAN MAP Including the Urban Reserve Areas

- CF/RD
- COM Commercial
- SD/V Springbrook District - Village
- SD/NC Springbrook District - Neighborhood Commercial
- SD/H Springbrook District - Hospitality
- COM/IRD Commercial Riverfront
- COM/SP Specific Plan
- IND Industrial
- IND/RD Industrial Riverfront
- IND/SP Specific Plan
- SD/E Springbrook District - Employment
- LDR Low Density Residential
- LDR-6.6 Low Density Residential 6.6 d.u./ac
- LDR/1A
- SD/LDR Springbrook District - Low Density Residential
- LDR/RD Low Density Residential Riverfront
- LDR/SP Specific Plan
- MDR Medium Density Residential
- MDR/RD Medium Density Residential Riverfront
- MDR/SP Specific Plan
- SD/MRR Springbrook District - Mid-Rise Residential
- HDR High Density Residential
- HDR/RD
- HDR/SP Specific Plan
- MIX Mixed Use
- MIX/RD Riverfront District
- MIX/SP Specific Plan
- P Parks
- P/RD Parks Riverfront
- PQ Public-Quasi Public
- Stream Corridor
- Current Tax Lots
- City Limit
- UGB
- URA
- Railroad
- * Future Park Site

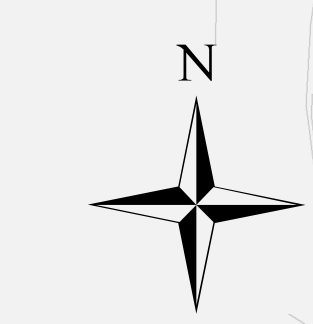
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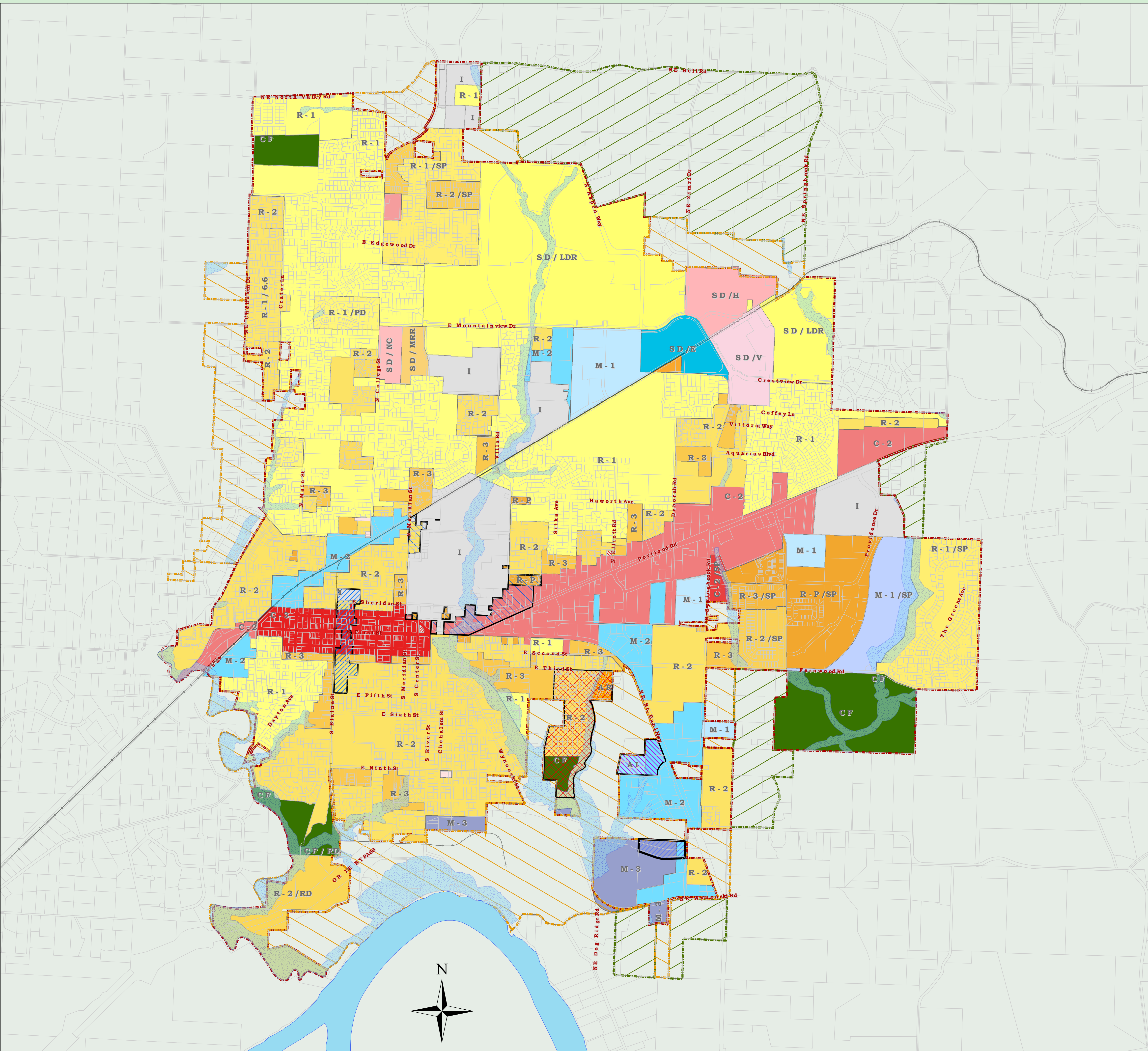
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City of Newberg, Oregon

ZONING MAP

Including the Urban Growth Boundary



Residential Zoning

- | | |
|---|---|
| R-1 Low Density Residential | R-2/SP Specific Plan |
| SD/LDR Springbrook District - Low Density Residential | SD/MRR Springbrook District - Mid-Rise Residential |
| R-1/PD Planned Unit Development | R-3 High Density Residential |
| R-1/0.1 Low Density 0.1 d.u./ac. | R-3 PD Planned Unit Development |
| R-1/0.4 Low Density 0.4 d.u./ac. | R-3/SP Specific Plan |
| R-1/6.6 Low Density 6.6 d.u./ac. | R-P Residential Professional |
| R-1/SP Specific Plan | R-P/SP Specific Plan |
| R-2 Medium Density Residential | R-P/LU Residential Profession - Limited Use Overlay |
| R-2 PD Planned Unit Development | AR Airport Residential |
| R-2/RD Riverfront District | |

Commercial Zoning

- | | |
|--|--|
| C-1 Neighborhood Commercial | C-2/LU Community Commercial/Limited Use |
| SD/V Springbrook District - Village | C-2 PD Planned Unit Development |
| SD/NC Springbrook District - Neighborhood Commercial | C-2/SP Specific Plan |
| SD/H Springbrook District - Hospitality | C-3 Central Business District |
| C-1/SP Specific Plan | C-3/LU Central Business District - Limited Use |
| C-2 Community Commercial | |

Industrial / Other Zoning

- | | |
|--|--|
| CF Community Facility | AI Airport Industrial |
| CF/RD Community Facility Riverfront District | M-2 Light Industrial District |
| I Institutional | SD/E Springbrook District - Employment |
| M-1 Limited Industrial District | M-3 Heavy Industrial District |
| M-1/SP Specific Plan | |

- | | |
|--------------------------------|------------------|
| Interim Industrial Use Overlay | City Limit |
| Airport Industrial Overlay | UGB |
| Airport Residential Overlay | URA |
| Institutional Overlay | Willamette River |
| Civic Corridor Overlay | Streets |
| Stream Corridor | Railroad Tracks |
| | Tax Lot Parcels |

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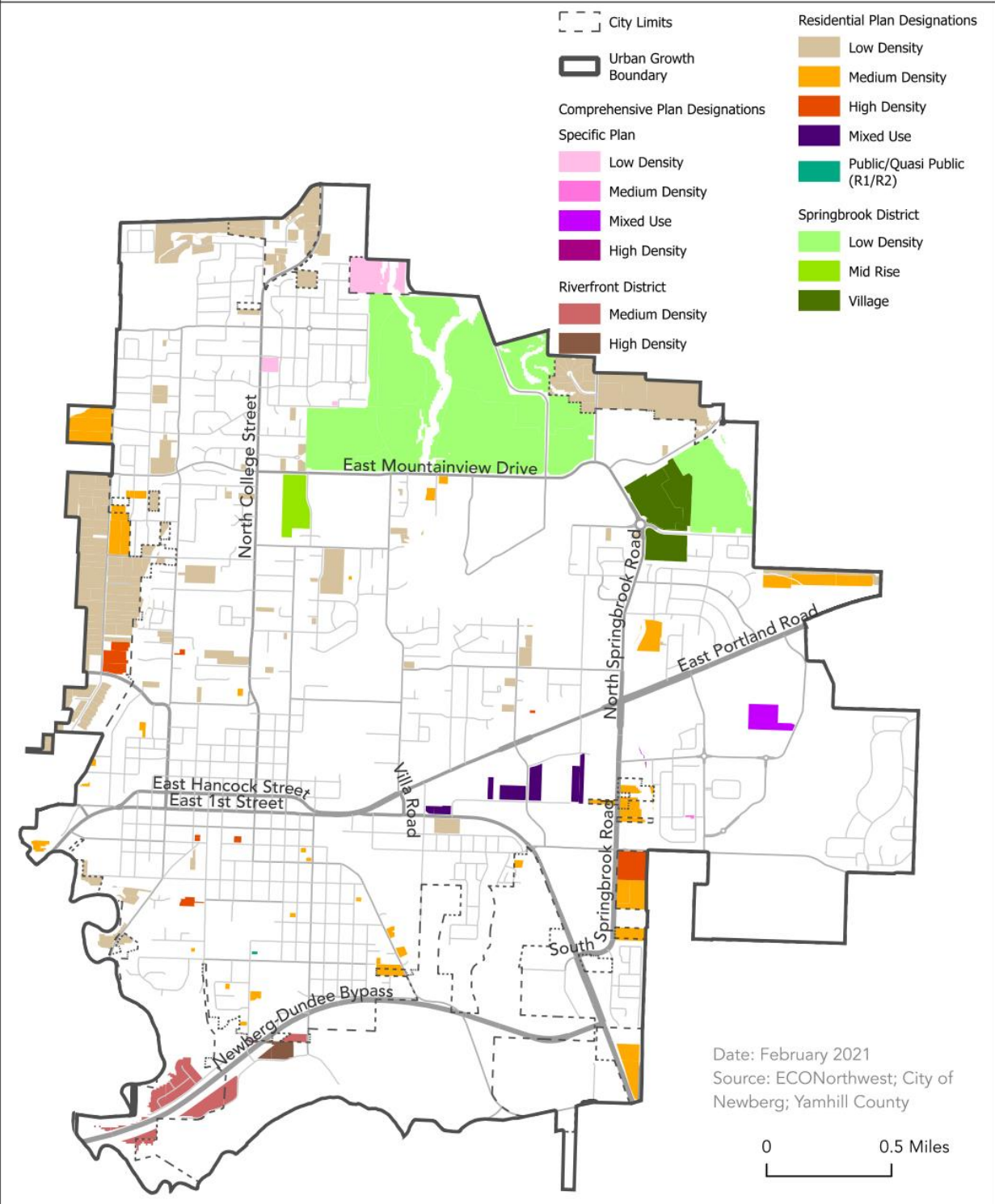
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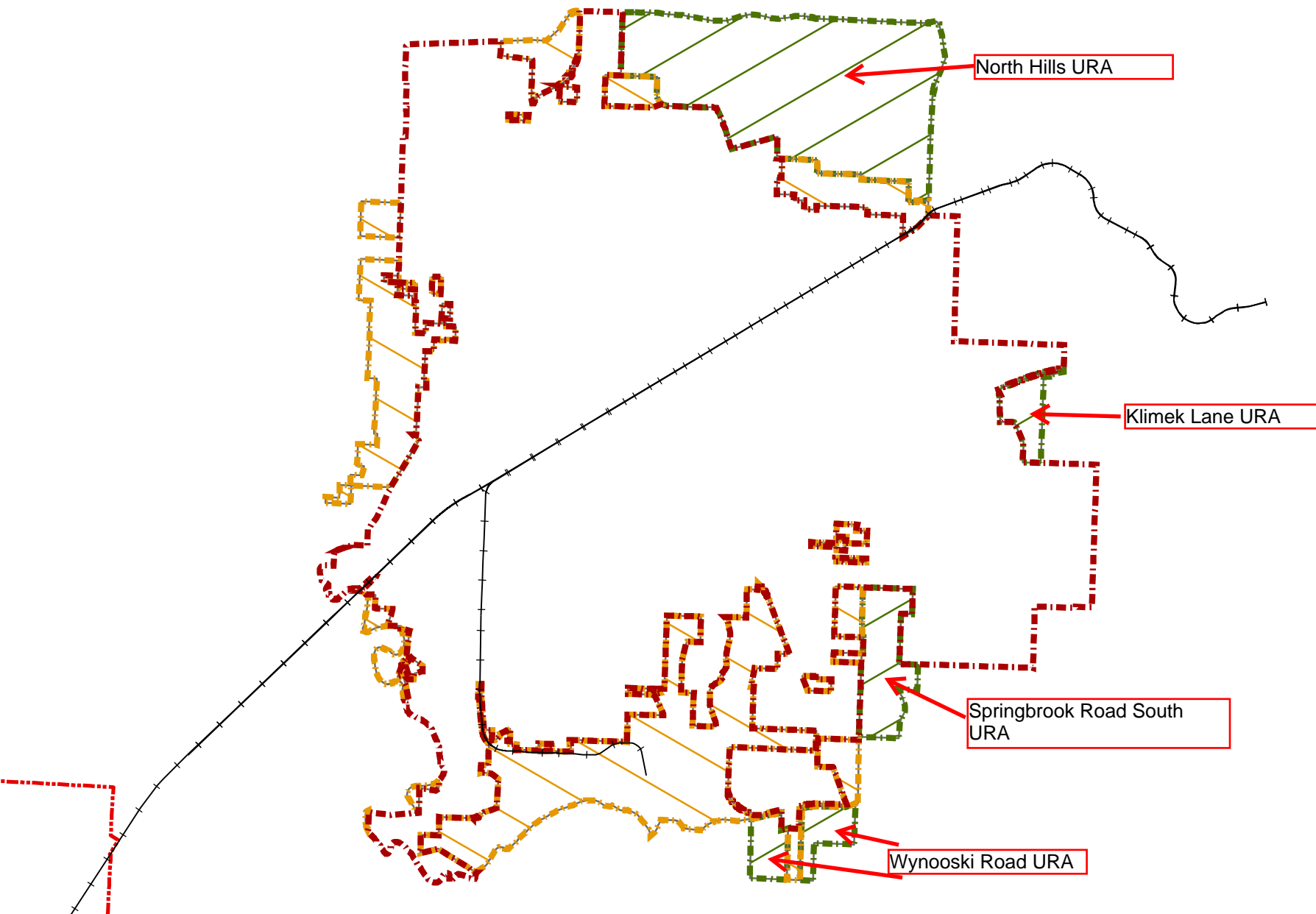


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Newberg Buildable Lands Inventory

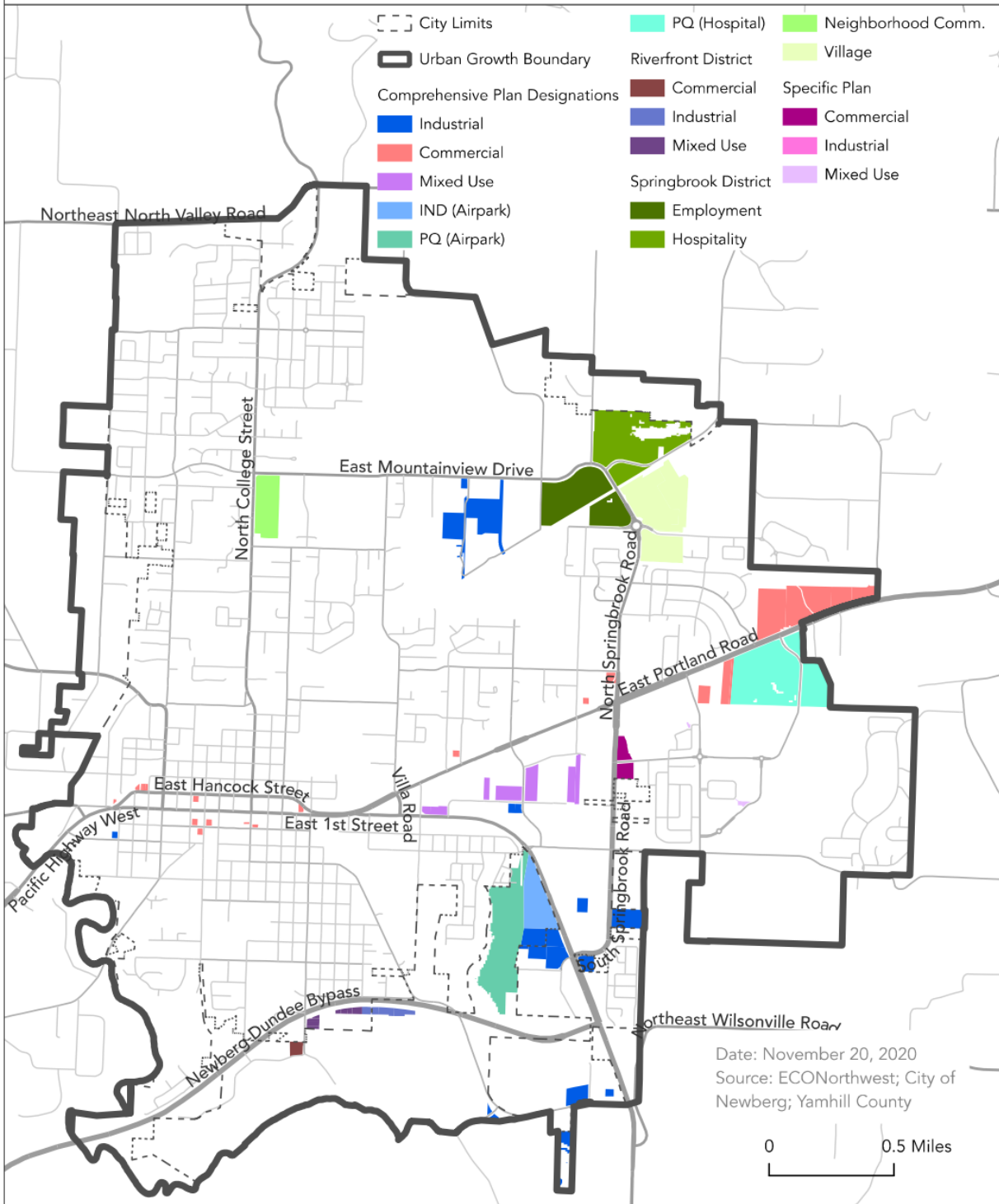
Unconstrained Vacant and Partially Vacant Residential Land





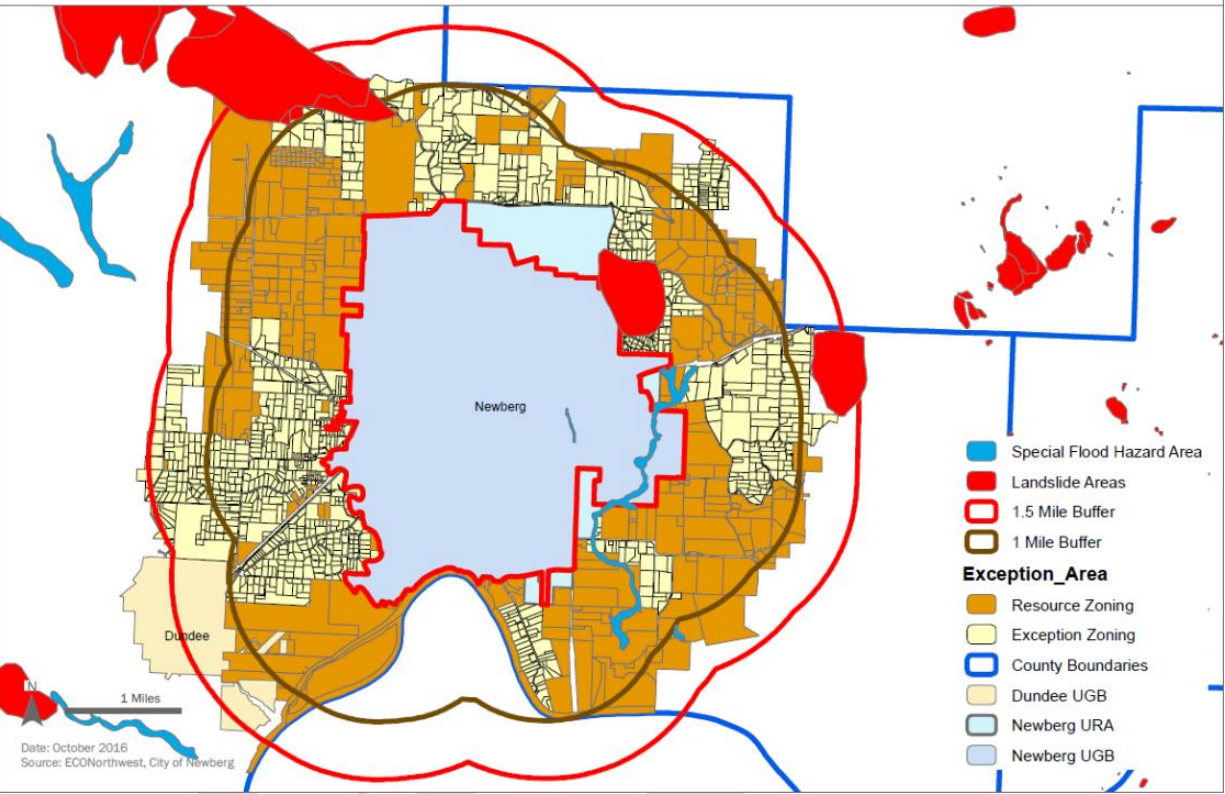
Newberg Buildable Lands Inventory

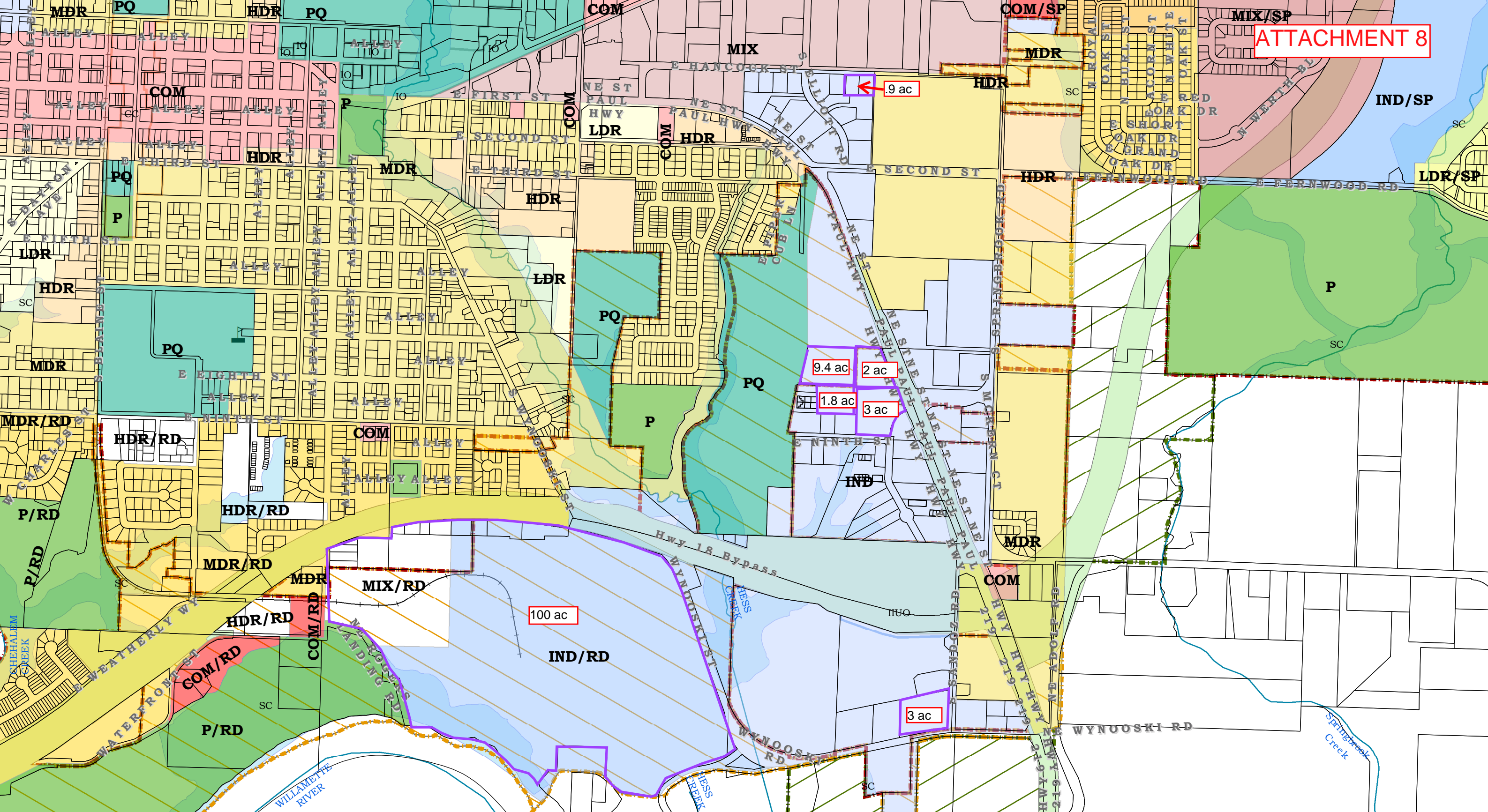
Unconstrained Vacant and Potential Infill Commercial and Industrial Land



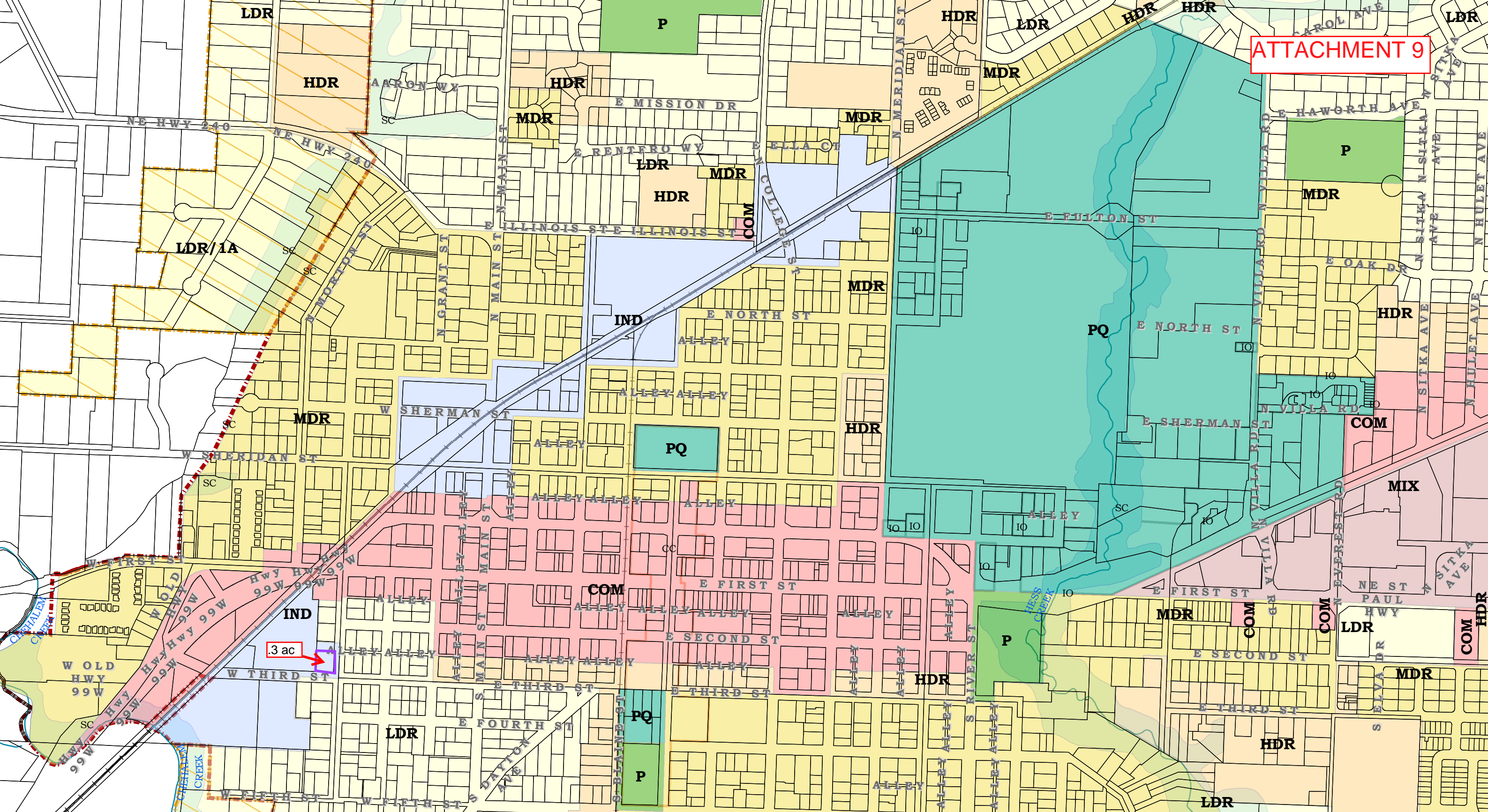
NEWBERG BLI 2016

Newberg Study Area Buffers, Zoning and Exclusion Areas





ATTACHMENT 9



Attachment 2: City Council Minutes July 19, 2021

DRAFT

This document is supplemented by agenda packet materials, meeting materials distributed and electronic audio / video recordings of the meeting and may be reviewed upon request to the City Recorder.

**City of Newberg
City Council
July 19, 2021**

Meeting held electronically due to COVID-19 pandemic

WORK SESSION –

Meeting called to order at 6:00 p.m.

Councilors Present: Mayor Rick Rogers, Councilors: Denise Bacon, Elise Yarnell Hollamon, Stephanie Findley, Julia Martinez Plancarte, and Mike McBride.

Absent: Bryce Coefield

Staff Present: Assistant City Manager Kezia Wanner, City Attorney James Walker, City Recorder Sue Ryan, and Police Captain Cameron Ferguson.

PRESENTATIONS:

Mid Willamette Valley Council of Governments:

Scott Dadson, new MWVCOG Director, introduced himself. He discussed the history and structure of the COG, the programs and services they provided, and future challenges/ initiatives.

There was discussion regarding the services provided for a UGB expansion, services provided to School Districts, and makeup of the Board.

Fireworks Ban Discussion:

City Attorney Walker gave an update on the fireworks ban. The Council met in an emergency meeting on July 2 and passed a fireworks ban and declared a state of emergency in response to the high temperatures and dry conditions. The ban and declaration were ratified on July 6 by resolution. Police responded to calls about fireworks, but no citations were issued. The declaration was set to expire on August 1 and the ban to expire today. He asked how to proceed. Tualatin Valley Fire & Rescue District Chief Kennedy said there were no firework related fires in Newberg or the surrounding area. He thought the ban was successful. Police Captain Ferguson said calls were greatly reduced from previous years. Of the complaints they responded to, no one was aware of the ban and complied when asked to stop.

There was discussion on extending the state of emergency, excluding the Old Fashioned Festival fireworks done by a professional, and adding this to the Business Session agenda under New Business.

BUSINESS SESSION:

Councilors Present: Mayor Rick Rogers, Councilors: Denise Bacon, Elise Yarnell Hollamon, Stephanie Findley, Julia Martinez Plancarte, and Mike McBride.

Absent: Bryce Coefield

Staff Present: Assistant City Manager Kezia Wanner, City Attorney James Walker, City Recorder Sue Ryan, City Engineer Kaaren Hofmann, Community Development Director Doug Rux

Meeting called to order at 7:00 p.m.

PRESENTATIONS:

Polly Peterson and Molly Olson, Newberg Downtown Coalition, presented a final report on the Downtown Enhancement – Community Support Grant. They discussed how downtown businesses had been helped through the pandemic. It was a critical time, and the grant allowed the Coalition to continue to exist. The three goals of the Coalition were: helping develop the Urban Renewal plan and building strong support for it, driving the economic development of Newberg through the Newberg Economic Development Strategy (NEDS) committee, and developing a diverse downtown business inventory. Other work included a parking study, and helping businesses survive during COVID-19.

Josh Duder, Chehalem Valley Chamber of Commerce, presented their Quarter 4 Visitor Center Report showing an uptick in visitors. He had submitted his resignation as interim director to give the Chamber a chance for a fresh start with a new director.

CITY MANAGER REPORT:

Assistant City Manager Wanner reported on library hours and events, Community Development activities, Human Resource recruitments, hiring a new Finance Manager, and Public Works activities. Mayor Rogers discussed the gas leak at Crestview Crossing and feedback from the community.

CONSENT CALENDAR

Action: To approve Resolution 2021-3758, A Resolution authorizing the purchase of property designated as Tax Lot 3229-2100 from WestRock Northwest, LLC and authorizing the City Manager to execute documents to complete the purchase.

Motion: Councilor Findley

Second: Councilor Bacon

Vote: 6 Yes 0 No 1 Absent [Coefield]

NEW BUSINESS DCA amendment initiation:

Community Development Director Rux said this was a request to initiate an amendment to the Development Code related to HB 2306.

Action: To approve Resolution 2021-3755, A Resolution initiating an amendment to the Newberg Municipal Code, Title 15 Development Code, 15.050 Definitions and 15.235 Land Divisions related to HB 2306 (2019) Substantial Completion

Motion: Councilor Bacon
Second: Councilor Martinez Plancarte
Abstain: Councilor Yarnell Hollamon
Vote: 5 Yes 0 No 1 Absent [Coefield]

Housing Strategy:

CDD Rux presented the June 2021 Housing Needs Analysis. He discussed past actions on the HNA, what had changed since February 2021, modification to capacity numbers, and re-accepting the Newberg Housing Strategy.

Action: To approve Resolution 2021-3752, A Resolution accepting the 2021 Newberg Housing Needs Analysis and 2021 Newberg Housing Strategy Reports (revised for HB 2001)

Motion: Councilor Findley
Second: Councilor Bacon
Vote: 6 Yes 0 No 1 Absent [Coefield]

Urban Growth Boundary Expansion:

CDD Rux presented on the Urban Growth Boundary expansion process. He showed inventory maps of the City, maps of the study areas, and vacant/redevelopment areas. He reviewed the Council's and Planning Commission's discussion and feedback on the expansion and efficiency measures.

There was discussion on:

- Land near hospital/bypass that could possibly be industrial
- Future health services node area anchored by Providence
- Efficiency measures to consider
- Affordable housing
- Evaluating and establishing minimum density standards
- Increasing structure height
- Using church land for residential use
- Efficiency Dwelling Units
- Cottage clusters
- Height adjacent to residential vs. commercial/downtown
- Need for studio apartments
- Options for short term rental regulations
- Road standards

Action: To direct staff to initiate the process to amend the Urban Growth Boundary and to prepare Comprehensive Plan and Development Code amendments to adopt the Housing Needs Analysis, Economic

Opportunities Analysis, and Public-Semi Public Land Needs Analysis.

Motion: Councilor Yarnell Hollamon
Second: Councilor Bacon
Vote: 6 Yes 0 No 1 Absent [Coefield]

Fireworks Ban:

There was discussion on what date to extend the ban and state of emergency.

Action: To extend the fireworks ban and state of emergency until November 1 with the exception of professional fireworks display.

Motion: Councilor Yarnell Hollamon
Second: Councilor Martinez Plancarte
Vote: 5 Yes 1 No [McBride] 1 Absent [Coefield]

EXECUTIVE SESSION ON Performance of a Public Official ORS 192.660 (2)(i)

Start: 8:18 p.m.

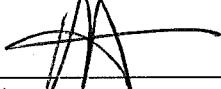
Stop: 8:35 p.m.

Councilors Present: Mayor Rick Rogers, Council President Stephanie Findley


Staff Present: City Municipal Judge Larry Blake, Jr.

Meeting adjourned at 8:35 p.m.

ATTEST:



Rick Rogers, Mayor



Sue Ryan, City Recorder

Attachment 3: Housing Work Program

DRAFT

Attachment 4: City Council Resolution No. 2022-3858

DRAFT

RESOLUTION NO. 2022-3858



A Resolution initiating an amendment to the Newberg Comprehensive Plan, V. Land Need and Supply chapter

Recitals:


1. The City of Newberg through Resolution No. 2021-3720 accepted the Newberg Public and Semi-Public Land Need 2021-2041 Report.
2. The City of Newberg through Resolution No. 2021-3728 accepted the 2021 Economic Opportunities Analysis Report.
3. The City of Newberg through Resolution No. 2021-3752 accepted the Newberg Housing Needs Analysis.
4. The request is to consider initiating an amendment to incorporate relevant information from the three reports into the Newberg Comprehensive Plan, V Land Need and Supply chapter.

The City of Newberg Resolves as Follows:

1. The City Council initiates an amendment to the Newberg Comprehensive Plan, V Land Need and Supply chapter. This starts the public process to study the proposed amendments.
2. By initiating this amendment, the City Council does not commit to taking any specific action on the proposal. It only wishes to give the amendment full consideration by the Planning Commission and City Council in public hearings.


Effective Date of this resolution is the day after the adoption date, which is: August 2, 2022.

Adopted by the City Council of Newberg, Oregon, this 1st day of August, 2022



 Sue Ryan, City Recorder

Attest by the Mayor this 4th day of August 2022.



 Rick Rogers, Mayor

Attachment 5: Staff/Agency Comments

DRAFT

Attachment 6: Public Comments

DRAFT