

Shoreline 2044 Comprehensive Plan

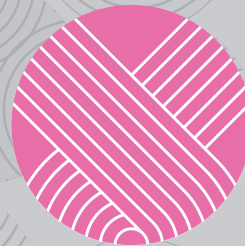
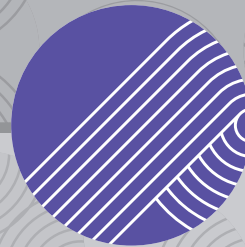
Draft Environmental Impact Statement

FOR PUBLIC AND AGENCY REVIEW

October 15, 2024



Picture it. Plan it. Build it.





SHORELINE CITY COUNCIL

Mayor Chris Roberts
Deputy Mayor Laura Mork
Councilmember Annette Ademasu
Councilmember Eben Pobee
Councilmember John Ramsdell
Councilmember Betsy Robertson
Councilmember Keith Scully

October 15, 2024

Subject: Shoreline 2044 Comprehensive Plan Draft Environmental Impact Statement

Dear Reader,

As required by the Growth Management Act, Chapter 36.70A RCW (GMA), the City of Shoreline is updating its comprehensive plan with the intent to create a new plan that guides growth in Shoreline for the next 20 years—the Shoreline 2044 Comprehensive Plan—Picture It! Plan It! Build It! The City has completed a programmatic Draft Environmental Impact Statement (DEIS) for the comprehensive plan, which is being published for public and agency review.

As the City updates its comprehensive plan to accommodate growth targets allocated by King County in alignment with the GMA and county-wide planning policies for increased housing units and jobs, the City is required pursuant to the State Environmental Policy Act, Chapter 43.21C RCW (SEPA), to study the potential environmental impacts related to growth and provide an understanding of what mitigation measures (actions, projects, and improvements) may be needed to support that growth. The DEIS analyzes the potential impacts of three different alternatives for future growth through the year 2044 and identifies mitigation measures to address potential impacts:

- **Alternative 1—No Action Alternative:** This alternative provides a basis of understanding what the implications of not taking action may be—in this case, not updating the comprehensive plan. The City does not intend to pursue this course, but SEPA requires study of a “No Action” alternative.
- **Alternative 2—Moderate Pace of Growth:** This alternative assumes that the level of growth that occurs over the next 20 years would be consistent with the growth targets allocated to Shoreline by King County.
- **Alternative 3—More Rapid Pace of Growth:** This alternative assumes that the same level of growth analyzed under Alternative 2 would occur more rapidly – such as in 10 years, rather than 20, and that the same level of mitigation, projects, and improvements would be needed, but within a shorter timeframe to serve that growth.

Two important purposes of the SEPA process include: identifying potential impacts and related mitigation measures and providing the opportunity for public and agency review and comment. The DEIS functions as a tool to help guide decision-making related to adoption of the comprehensive plan and related environmental, land use, housing, community design, transportation, public services, and utilities considerations. Please see the **Fact Sheet** for more information on how to get involved in the planning process. Thank you for your interest in the Shoreline 2044 Comprehensive Plan Update and the DEIS.

Sincerely,

Andrew Bauer, Director
City of Shoreline Planning & Community Development

TABLE OF CONTENTS

CHAPTER 1 INTRODUCTION AND BACKGROUND	1-1
Introduction.....	1-1
Project Purpose and Objectives	1-1
Alternatives Evaluated.....	1-2
Description of the Study Area	1-3
Environmental Review and SEPA Process, Scoping, and Public Involvement	1-4
Public Hearing and Public Comments on the DEIS	1-7
Summary of Past SEPA Actions Related to Planning and Project Approvals	1-8
Other Future Environmental Reviews and Analyses	1-9
Consideration of Cumulative Impacts	1-9
Potential Areas of Controversy and Uncertainty and Issues to be Resolved	1-11
Benefit and Disadvantages of Delaying the Proposed Action	1-11
CHAPTER 2 PROPOSAL AND ALTERNATIVES	2-1
Introduction.....	2-1
Growth Targets Allocated to Shoreline	2-1
Summary of the Proposal and Alternatives.....	2-2
Assumed Conditions and Constants Under the Alternatives	2-3
Alternative Further Described	2-4
CHAPTER 3 COMMUNITY PROFILE: DEMOGRAPHICS AND HOUSING NEEDS.....	3-1
Population	3-1
Age.....	3-2
Race and Ethnicity	3-2
Household Characteristics.....	3-4
Household Size	3-4
Household Tenure	3-5
Household Income.....	3-6
Peer Communities	3-9
Special Needs Housing	3-10
Workforce Profile	3-11
Jobs to Housing Ratio	3-12
CHAPTER 4 CONSISTENCY WITH PLANS AND POLICIES	4-1
AFFECTED ENVIRONMENT	4-1
Washington State Growth Management Act	4-1
Relevant State Legislation	4-3

Puget Sound Regional Council VISION 2050	4-7
King County Countywide Planning Policies	4-10
City of Shoreline Plans and Policies	4-12
POTENTIAL IMPACTS.....	4-16
MITIGATION MEASURES.....	4-17
SIGNIFICANT UNAVOIDABLE ADVERSE IMPACTS.....	4-17
CHAPTER 5 LAND USE PATTERNS, BUILT FORM, AND HOUSING	5-1
Introduction.....	5-1
AFFECTED ENVIRONMENT	5-1
Existing Land Use Patterns	5-1
Countywide Centers and Related Provisions	5-2
Neighborhoods	5-5
Built Form and Community Design	5-5
Shoreline Master Program	5-7
Housing Conditions and Needs.....	5-7
Housing Needs Assessment.....	5-9
POTENTIAL IMPACTS	5-16
MITIGATION MEASURES.....	5-18
SIGNIFICANT UNAVOIDABLE ADVERSE IMPACTS.....	5-18
CHAPTER 6 NATURAL ENVIRONMENT.....	6-1
Introduction.....	6-1
AFFECTED ENVIRONMENT	6-1
Earth – Geologic History and Soils.....	6-1
Water Features.....	6-4
Plants and Animals	6-8
Air Quality and Greenhouse Gas Emission	6-11
POTENTIAL IMPACTS	6-13
Future Levels of Growth and Change Under the Alternatives	6-13
Addressing Project Related Impacts.....	6-14
Effects Related to Grading, Erosion, and Water Resources	6-14
Effects Related to Plants and Animals.....	6-15
Effects Related to Air Quality and Greenhouse Gas Emissions	6-15
MITIGATION MEASURES.....	6-16
City of Shoreline Code Requirements, Plans, and Programs.....	6-16
Federal, State, and County Programs.....	6-21

SIGNIFICANT UNAVOIDABLE ADVERSE IMPACTS.....	6-24
CHAPTER 7. TRANSPORTATION	7-1
Introduction.....	7-1
AFFECTED ENVIRONMENT	7-1
Street Network	7-1
Existing Vehicle Congestion.....	7-4
Measured Vehicle Speeds	7-6
Existing Traffic Volumes	7-10
Walking and Bicycling.....	7-14
Transit.....	7-17
Freight and Truck Mobility	7-20
Modal Networks.....	7-22
Shared-Use Mobility Hub Plan.....	7-32
POTENTIAL IMPACTS AND MITIGATION MEASURES	7-37
SIGNIFICANT UNAVOIDABLE ADVERSE IMPACTS	7-51
CHAPTER 8. PUBLIC SERVICES	8-1
Introduction.....	8-1
AFFECTED ENVIRONMENT	8-1
Public Safety and Police Services.....	8-1
Fire and Emergency Services	8-1
Parks, Recreation, Open Space, and Arts	8-2
Municipal Services and Public Facilities	8-4
Public Schools.....	8-6
Library Services.....	8-7
Solid Waste Management and Recycling Services	8-7
POTENTIAL IMPACTS AND MITIGATION MEASURES.....	8-7
Future Levels of Growth and Change Under the Alternatives	8-7
Public Safety and Police Services	8-9
Fire and Emergency Services	8-9
Parks, Recreation, Open Space, and Arts	8-10
Public Schools.....	8-12
Library Services.....	8-12
Solid Waste Management and Recycling Services	8-13
SIGNIFICANT UNAVOIDABLE ADVERSE IMPACTS.....	8-13
CHAPTER 9. UTILITIES	9-1
Introduction.....	9-1

AFFECTED ENVIRONMENT	9-1
Water System Services and Facilities	9-1
Sanitary Sewer/Wastewater.....	9-4
Surface and Stormwater Management	9-6
Power and Communications	9-6
POTENTIAL IMPACTS AND MITIGATION MEASURES	9-8
Water System Services and Facilities	9-10
Sanitary Sewer/Wastewater Services and Facilities	9-10
Surface/Stormwater Management	9-11
Power and Communications	9-12
SIGNIFICANT UNAVOIDABLE ADVERSE IMPACTS.....	9-12

LIST OF TABLES

Table 2-1	Growth Targets for Shoreline	2-1
Table 2-2	Housing Units and Jobs Assumed in Alternatives Analysis	2-3
Table 4-1	GMA Goal Evaluation	4-2
Table 4-2	PSRC VISION 2050 Policy Evaluation	4-9
Table 4-3	King County Countywide Planning Policy (CPP) Evaluation	4-11
Table 5-1	Land Use Designations	5-2
Table 5-2	Number and Share of Dwellings by Type, 2022	5-10
Table 5-3	Selected Household Characteristics in Shoreline, King County, and Washington, 2022	5-11
Table 5-4	Number and Share of Dwellings by Type, 2022	5-10
Table 7-1	City of Shoreline Street Classification	7-2
Table 7-2	Intersection LOS Criteria Based on Delay	7-4
Table 7-3	Existing Level of Service in Shoreline	7-8
Table 7-4	Future Level of Service in Shoreline	7-13
Table 7-5	Future Level of Service on State Facilities	7-14
Table 7-6	WSDOT Freight Classification	7-21
Table 7-7	Transit Accommodation	7-30
Table 7-8	Mobility Hub Potential Amenities	7-35
Table 7-9	Intersection LOS Criteria Based on Delay	7-36
Table 7-10	Project Ideas List	7-40
Table 8-1	Types of Parks, Recreation, and Open Space Facilities in Shoreline	8-4
Table 8-2	Shoreline School District 412 Facilities	8-6

Table 8-3	Estimated Growth Projections for Population Under Each Alternative	8-8
Table 8-4	Level of Service/Residents per Park (NRPA Measure)	8-11
Table 9-1	Estimated Growth Projections for Population Under Each Alternative	9-9

LIST OF FIGURES

Figure 1.1	Map of the City of Shoreline	1-4
Figure 3.1	Population Change, 2000-2024	3-1
Figure 3.2	Population Distribution by Age in Shoreline and King County, 2012-2022	3-2
Figure 3.3	Race and Ethnicity in Shoreline and King County, 2012-2022	3-3
Figure 3.4	Languages Spoken by Shoreline Residents over Five Years Old, 2022	3-3
Figure 3.5	Selected Household Characteristics, 2022	3-4
Figure 3.6	Share of Households by Size, 2022	3-5
Figure 3.7	Housing Unit Tenure, 2022	3-5
Figure 3.8	Selected Household Trends in Shoreline, 2012-2022	3-6
Figure 3.9	Shoreline Household Size by Tenure, 2022	3-6
Figure 3.10	Median Household Income, 2022	3-7
Figure 3.11	Household Income Bands in Shoreline and King County, 2022	3-7
Figure 3.12	Age and Household Income in Shoreline, 2022	3-8
Figure 3.13	Age and Tenure of Households in Shoreline, 2022	3-8
Figure 3.14	Median Household Income in Shoreline and Peer Cities, 2022	3-9
Figure 3.15	Poverty Rates in Shoreline and Peer Cities, 2022	3-10
Figure 3.16	Disability Status among Shoreline Households, 2020	3-10
Figure 3.17	Covered Employment in Shoreline by Sector, 2002-2022	3-11
Figure 5.1	Shoreline Land Use Map	5-3
Figure 5.2	Shoreline Zoning Map	5-4
Figure 5.3	Neighborhoods Map	5-6
Figure 5.4	Shoreline Housing Unit Targets by Income, 2019-2044	5-9
Figure 5.5	Share of Households by Size, 2022	5-11
Figure 5.6	Housing Unit Tenure in Shoreline, King County, and Washington, 2022	5-12
Figure 5.7	Median Household Income in Shoreline, King County, and Washington, 2012-2022	5-12
Figure 5.8	Household Income Bands in Shoreline and King County, 2022	5-13
Figure 5.9	Multifamily Construction and Development Pipeline, 2003-2026	5-13
Figure 5.10	Market Asking Rent by Unit Type in Shoreline, 2004-2024	5-14
Figure 5.11	Market Asking Rent per Unit Type in Shoreline, King County, and Washington, 2004-2024	5-15
Figure 5.12	Multifamily Vacancy Rates in Shoreline, 2004-2024	5-15

Figure 5.13	Covered Employment in Shoreline by Sector, 2004-2024	5-17
Figure 6.1	Critical Areas Geologic Features in Shoreline	6-3
Figure 6.2	Water Related Critical Areas in Shoreline	6-7
Figure 6.3	Tree Canopy Mapping in Shoreline	6-9
Figure 7.1	Existing Street Classification Map	7-5
Figure 7.2	Existing Level of Service in Shoreline	7-7
Figure 7.3	Speed Analysis	7-9
Figure 7.4	Existing Traffic Volumes	7-10
Figure 7.5	Future Automobile Level of Service in Shoreline by 2044	7-12
Figure 7.6	Existing Sidewalks	7-15
Figure 7.7	Existing Bicycle Facilities	7-16
Figure 7.8	2021 King County Metro Route Network	7-18
Figure 7.9	Existing Community Transit and Sound Transit Routes	7-19
Figure 7.10	Future Fixed Route Transit Service	7-20
Figure 7.11	WSDOT Classified Freight Routes	7-22
Figure 7.12	Pedestrian Plan	7-24
Figure 7.13	Bicycle Level of Traffic Stress Categories	7-26
Figure 7.14	Bike LTS Vision	7-28
Figure 7.15	LTS Designations by Posted Speed Limit, Traffic Volume, and Bicycle Infrastructure	7-29
Figure 7.16	Bicycle Plan.....	7-30
Figure 7.17	Transit Plan.....	7-32
Figure 7.18	Shared-Use Mobility Hub Plan	7-34
Figure 7.19	Automobile Plan.....	7-37
Figure 8.1	Shoreline Parks, Recreation, and Open Space Facilities	8-3
Figure 8.2	Major City Owned Facilities in Shoreline	8-5
Figure 9.1	Seattle Public Utilities Water Service Area	9-2
Figure 9.2	Ronald Wastewater District Service Area, Assumed by City of Shoreline in 2021	9-5

APPENDIX

Distribution List
References
Scoping Documentation
Comprehensive Plan Engagement Summary