

CITY OF SEATTLE Office of Planning & Community Development

CITYWIDE IMPLEMENTATION OF MANDATORY HOUSING AFFORDABILITY (MHA)

Final Environmental Impact Statement

November 9, 2017







CITY OF SEATTLE Office of Planning & Community Development

for the

City of Seattle Citywide Implementation of Mandatory Housing Affordability (MHA) Final Environmental Impact Statement

Date of Draft EIS Issuance

June 8, 2017

Date Comments were Due on the Draft EIS

August 7, 2017

Date of Draft EIS Open House and Hearing

June 29, 2017

Date of Final EIS Issuance

November 9, 2017



Samuel Assefa, Director

November 9, 2017

Dear Neighbors:

The City of Seattle is pleased to issue the Final Environmental Impact Statement (FEIS) that examines the potential effects of zoning changes necessary to implement Mandatory Housing Affordability (MHA). The area studied includes multifamily residential and commercial zones in Seattle, areas currently zoned Single Family Residential in existing urban villages, and urban village expansion areas that were identified in the Seattle 2035 Comprehensive Plan.

Implementing MHA is one of many actions the City is proposing to address housing affordability. In 2015 and 2016, the City Council unanimously adopted ordinances that established the framework for MHA. Subsequently, the Council passed legislation adopting zoning changes necessary to implement MHA in several neighborhoods: Downtown/South Lake Union, the University District, Chinatown/International District, along 23rd Ave in the Central Area, and Uptown.

MHA helps ensure that as Seattle grows, development supports housing affordability. Through MHA, all new development must either provide affordable housing on-site or pay into a Seattle Office of Housing fund to support the creation and preservation of affordable housing throughout the city.

On June 8, 2017, a Draft EIS was published that evaluated two action alternatives for implementing MHA with differing distributions and patterns of zoning changes, as well as a no action alternative that would not implement MHA. The public comment period for the Draft EIS included a public hearing on June 29, and the comment period was extended from 45 days to 60 days, to August 7.

Based on the Draft EIS comments, 200 community meetings, 10 public open houses, three telephone town halls, and extensive online engagement with city residents over more than two years, the City developed a Preferred Alternative that is described in this Final EIS. The Final EIS also includes additional analysis of potential impacts in response to comments, in particular, an expanded review of potential displacement impacts using a racial and social equity lens, and increased analysis of public schools in coordination with Seattle Public Schools.

The Preferred Alternative is generally within the range of Draft EIS Alternatives, in terms of amounts of affordable housing that would be generated, as well as growth and development capacity. The Preferred Alternative builds on the Growth and Equity Analysis that was adopted as part of the Seattle 2035 Comprehensive Plan. The Preferred Alternative increases housing and affordable housing options in urban villages with high opportunity. It also moderates

development capacity increases in urban villages with high displacement risk as an effort to curb potential displacement pressure, especially cultural displacement of racial or ethnic minorities. Compared to the action alternatives in the Draft EIS, the Preferred Alternative places increased emphasis on locating more jobs and housing near frequent transit nodes, and it limits development capacity increases in areas with environmental constraints.

The Final EIS identifies environmental impacts and mitigation measures for each alternative. The Final EIS completes the Draft EIS and both should be considered together. The City Council will consider this Final EIS together with input gained through a robust community engagement process during evaluation of the MHA legislation in 2018.

Thank you for your interest in Seattle's effort to implement Mandatory Housing Affordability.

Sincerely, anth Samuel Assefa Director



FACT SHEET.

PROJECT TITLE

City of Seattle Mandatory Housing Affordability (MHA)

PROPOSED ACTION AND ALTERNATIVES

The proposal addressed in this Final Environmental Impact Statement (FEIS) is to implement Mandatory Housing Affordability (MHA) requirements for multifamily residential and commercial development in certain areas of Seattle. Implementing MHA is one of many actions the City proposes to address housing affordability. To put MHA in place, the City would grant additional development capacity through area-wide zoning changes and modifications to the Land Use Code. The proposed action includes several related components:

- Adopt requirements in the Land Use Code (SMC Chapter 23) for developers either to build affordable housing on-site or to make an in-lieu payment to support the development of rent- and income-restricted housing when constructing new development meeting certain thresholds.
- Modify development standards in the Land Use Code to provide additional development capacity, such as increases in maximum height and floor area ratio (FAR) limits.
- Make area-wide zoning map changes.
- Expand the boundaries of certain urban villages on the Comprehensive Plan's Future Land Use Map (FLUM) near high-frequency transit, as studied in the Seattle 2035 Comprehensive Plan.
- Modify certain rezone criteria in the Land Use Code and policies in the Neighborhood Plans section of the Comprehensive Plan, concerning single family zoning in urban villages.



The Final EIS evaluates alternative approaches to implementing MHA. Alternative 1 No Action assumes that MHA would not be implemented in the study area, development capacity increases or area-wide rezones would not be adopted, and urban village boundaries would not be expanded.

The three action alternatives (Alternatives 2, 3 and the Preferred Alternative) would allow for additional development capacity, which may lead to additional household or job growth compared to the growth that would otherwise occur. The total amounts of growth and MHA income restricted affordable housing projected to occur by 2035 is similar among the action alternatives. However, the action alternatives differ in the intensity and location of development capacity increases and the patterns and amounts of housing and job growth that could result across the city. The size of urban village boundary expansions for different urban villages also varies between the action alternatives.

The Preferred Alternative considered in the Final EIS is a new alternative. It combines elements of Alternatives 2 and 3, which were studied in the Draft EIS. The Preferred Alternative incorporates input from comments on the Draft EIS and other community engagement, and generally falls within the range of Alternatives 2 and 3, in terms of amounts of affordable housing that would be generated, as well as growth and development capacity.

LOCATION

The proposal would be implemented in specific zoning classifications in the study area, which comprises the City of Seattle with the exception of the Downtown, South Lake Union, and Uptown Urban Centers or the portion of University Community Urban Center addressed in the University District Urban Design Framework. Proposed area-wide rezones are primarily concentrated within designated urban villages. Zoning classifications affected by the proposal would include existing multifamily and commercial zones in Seattle, areas currently zoned Single Family in existing urban villages, and areas zoned Single Family in potential urban village expansion areas identified in the Seattle 2035 Comprehensive Planning process.

PROPONENT

City of Seattle

LEAD AGENCY

City of Seattle Office of Planning and Community Development



RESPONSIBLE SEPA OFFICIAL

Sam Assefa, Director

City of Seattle Office of Planning and Community Development 600 4th Avenue, Floor 5 P.O. Box 94788 Seattle, WA 98124-7088

CONTACT PERSON

Geoff Wentlandt

City of Seattle Office of Planning and Community Development 600 4th Avenue, Floor 5 PO Box 94788 Seattle, WA 98124-7088 206.684.3586 <u>MHA.EIS@Seattle.gov</u>

REQUIRED APPROVALS

After considering the EIS alternatives and holding public hearings, the City Council will take action to implement MHA in the study area, which will include amendments to the official zoning map, and amendments to the text of the Land Use Code and limited changes to maps and policies of the 2035 Comprehensive Plan.

DATE OF IMPLEMENTATION

Second Quarter 2018

PHASED REVIEW / ADOPTION OF EXISTING ENVIRONMENTAL DOCUMENTS

The City is following a course of phased environmental review, pursuant to WAC 197-11-060(5) and SMV 25.05.060.E, to review proposals implementing or related to the 2035 Comprehensive Plan. MHA is a regulatory program that would implement the Comprehensive Plan, and this EIS is a step in the course of phased review. The existing EIS that was prepared by the City for the Seattle 2035 Comprehensive Plan (Draft EIS, 2015, Final EIS, 2016) is relevant to the present proposal and is being adopted and used to help meet environmental review requirements, pursuant to WAC 197-11-600 and SMC 25.05.600.



TYPE AND TIMING OF SUBSEQUENT ENVIRONMENTAL REVIEW

Publication of the Final EIS completes the environmental review process for MHA implementation in the study area, unless the City Council considers substantial changes which are outside the range of alternatives previously considered. Future development projects that are proposed that comply with MHA will undertake site-specific environmental review, subject to any SEPA thresholds established by City regulations.

PRINCIPAL EIS AUTHORS AND PRINCIPAL CONTRIBUTORS

This Final EIS has been prepared under the direction of the City of Seattle Office of Planning and Community Development. The following consulting firms provided research and analysis associated with this EIS:

- 3 Square Blocks LLP: lead EIS consultant
- **BERK:** environmental analysis of housing and socioeconomics, land use, and aesthetics and document design
- Fehr & Peers: environmental analysis of transportation, circulation, and parking
- **ESA:** environmental analysis of historic resources, biological resources, parks and open space, public services and utilities, and air quality and greenhouse gas emissions
- Weinman Consulting LLC: review and advise on the description of the proposal, alternatives, and SEPA compliance and strategy

DATE OF DRAFT ENVIRONMENTAL IMPACT STATEMENT ISSUANCE

June 8, 2017

CLOSE OF DRAFT EIS COMMENT PERIOD

August 7, 2017

DATE AND LOCATION OF DRAFT EIS OPEN HOUSE AND HEARING

June 29, 2017

Time: Open House, 5:30 pm | Hearing, 6:30 pm Location: Seattle City Hall Bertha Night Landes Room 600 4th Avenue, Floor 1 Seattle, WA 98124-7088



DATE OF FINAL EIS ISSUANCE

November 9, 2017

LOCATION OF BACKGROUND DATA

City of Seattle Office of Planning and Community Development 600 4th Avenue, Floor 5 PO Box 94788 Seattle, WA 98124-7088 206.684.3586

FINAL EIS AVAILABILITY AND PURCHASE PRICE

Copies of this Final EIS have been distributed to agencies, organizations, and individuals as established in SMC 25.05. Notice of Availability of the Final EIS has been provided to organizations and individuals that requested to become parties of record.

The Final EIS can be reviewed at the following public libraries:

- Seattle Public Library—Central Library (1000 4th Avenue)
- Seattle Public Library, Northeast Branch (6801 35th Avenue NE)
- Seattle Public Library, Ballard Branch (5614 22nd Avenue NW)
- Seattle Public Library, High Point Branch (3411 SW Raymond St)
- Seattle Public Library, Capitol Hill Branch (425 Harvard Avenue E)
- Seattle Public Library, Columbia City Branch (4721 Rainier Avenue S)

A limited number of complimentary copies of this Final EIS are available while the supply lasts— as an electronic CD from the Seattle Department of Construction and Inspections Public Resource Center, located in Suite 2000, 700 5th Avenue, in downtown Seattle. Additional copies may be purchased at the Public Resource Center for the cost of reproduction.

This Final EIS and the appendices are also available online at: <u>http://tinyurl.com/HALA-MHA-EIS</u>





CONTENTS.

Fa	ct Sheet.		vii
1	Sum	imary.	1.1
	1.1	Proposal	1.1
	1.2	Objectives of the Proposal	1.3
	1.3	Planning Context	1.3
	1.4	Alternatives	1.6
	1.5	Summary of Impacts and Mitigation Strategies	1.14
	1.6	Significant Areas of Controversy and Uncertainty and Issues to be Resolved	1.47
	1.7	Benefits and Disadvantages of Delaying Implementation	1.47
2	Alte	rnatives.	2.1
	2.1	Introduction	2.1
	2.2	Planning Context	2.4
	2.3	Proposed Action and Alternatives	2.15
	2.4	Alternatives Considered but Not Included in Detailed Analysis	2.64



3	Affected Environment, Significant Impacts, and Mitigation Measures.	3.1
3.1	Housing and Socioeconomics.	3.3
	3.1.1 Affected Environment	3.3
	3.1.2 Impacts	3.60
	3.1.3 Mitigation Measures	3.92
	3.1.4 Significant Unavoidable Adverse Impacts	3.98
3.2	Land Use.	3.99
	3.2.1 Affected Environment	3.99
	3.2.2 Impacts	3.109
	3.2.3 Mitigation Measures	3.155
	3.2.4 Significant Unavoidable Adverse Impacts	3.158
3.3	Aesthetics.	3.159
	3.3.1 Affected Environment	3.159
	3.3.2 Impacts	3.169
	3.3.3 Mitigation Measures	3.210
	3.3.4 Significant Unavoidable Adverse Impacts	3.213
3.4	Transportation.	3.215
	3.4.1 Affected Environment	3.215
	3.4.2 Impacts	3.256
	3.4.3 Mitigation Measures	3.287
	3.4.4 Significant Unavoidable Adverse Impacts	3.294
3.5	Historic Resources.	3.295
	3.5.1 Affected Environment	3.295
	3.5.2 Impacts	3.304
	3.5.3 Mitigation Measures	3.311
	3.5.4 Significant Unavoidable Adverse Impacts	3.313
3.6	Biological Resources.	3.315
	3.6.1 Affected Environment	3.315
	3.6.2 Impacts	3.321
	3.6.3 Mitigation Measures	3.340
	3.6.4 Significant Unavoidable Adverse Impacts	3.342
3.7	Open Space and Recreation.	3.343
	3.7.1 Affected Environment	3.343
	3.7.2 Impacts	3.348
	3.7.3 Mitigation Measures	3.356
	3.7.4 Significant Unavoidable Adverse Impacts	3.357

6.1

.8.2 In .8.3 M .8.4 Si .ir Qua .9.1 At .9.2 In	Aitigation Measures Significant Unavoidable Adverse Impacts Ality and Greenhouse Gas Emissions. Affected Environment	3.383 3.385 3.387 3.387 3.401
.8.3 M .8.4 Si . ir Qua .9.1 At .9.2 In	Altigation Measures Significant Unavoidable Adverse Impacts Ality and Greenhouse Gas Emissions. Affected Environment Mpacts	3.372 3.383 3.385 3.387 3.387 3.401
.8.4 Si .ir Qua .9.1 At .9.2 In	Significant Unavoidable Adverse Impacts Ality and Greenhouse Gas Emissions. Affected Environment Ampacts	3.385 3.387 3.387 3.387 3.401
ir Qua .9.1 At .9.2 In	ality and Greenhouse Gas Emissions. Affected Environment mpacts	3.387 3.387 3.401
.9.1 At .9.2 In	nffected Environment mpacts	3.387 3.401
.9.2 In	npacts	3.401
.9.3 M	Attraction Measures	
		3.414
.9.4 Si	ignificant Unavoidable Adverse Impacts	3.414
omme	ents and Responses.	4.1
.1 0	Organization of Public Comments	4.2
.2 R	Responses to Frequent Comments	4.3
.3 R	Responses to E-Mail, Online Comment Form, and Hard Copy Letter Comments	4.29
.4 R	Responses to Verbal Public Hearing Comments	4.465
.5 C	comment E-mails, Letters, and Forms and Verbal Public Hearing Transcript	4.479
eferer	nces.	5.1
	9.4 S 000000 1 C 2 F 3 F 4 F 5 C	 9.4 Significant Unavoidable Adverse Impacts omments and Responses. 1 Organization of Public Comments 2 Responses to Frequent Comments 3 Responses to E-Mail, Online Comment Form, and Hard Copy Letter Comments 4 Responses to Verbal Public Hearing Comments

6 Distribution List.

A	р	р	e	n	d	ic	е	S	•
---	---	---	---	---	---	----	---	---	---

Appendix A	City of Seattle Growth and Equity Analysis.	A.1
Appendix B	Summary of Community Input.	B.1
Appendix C	MHA Implementation Principles.	C.1
Appendix D	Environmental Scoping Report.	D.1
Appendix E	Map of MHA Areas.	E.1
Appendix F	Summary of Changes to Land Use Code, and MHA Urban Design and	
	Neighborhood Character Study.	F.1
Appendix G	Technical Memorandum MHA EIS Growth Estimates.	G.1
Appendix H	Zoning Maps Alternative 2, Alternative 3, and Preferred Alternative.	H.1
Appendix I	Housing Production and Cost: A Review of the Research Literatures.	I.1
Appendix J	2035 Screenline V/C Ratios.	J.1
Appendix K	Environmentally Critical Areas.	K.1
Appendix L	Air Quality and Greenhouse Gas Emissions Calculations.	L.1
Appendix M	Correlation Between New Housing Development and Various Household Groups.	M.1
Appendix N	Seattle Public Schools Five Year School Projections (2016–2020).	N.1





EXHIBITS.

1 S	Summar	у.	1.1
Exhibit	t 1–1	Urban Village and Center by Displacement Risk and Access to Opportunity Typology	1.5
Exhibit	t 1–2	Total Household Growth, 20 Years	1.9
Exhibit	t 1–3	Income-Restricted Affordable Housing Units Generated from Study Area, 20 Years	1.9
Exhibit	t 1–4	Approach to MHA Development Capacity Increases, Alternative 2	1.10
Exhibit	t 1–5	Approach to MHA Development Capacity Increases, Alternative 3	1.10
Exhibit	t 1–6	Approach to MHA Development Capacity Increases, Preferred Alternative	1.11
Exhibit	t 1–7	Percentage Increase in Housing Compared to Alternative 1 No Action	1.13
Exhibit	t 1–8	Income-Restricted Affordable Units Built	1.13
2 A	Iternati	ves.	2.1
Exhibit	t 2–1	Study Area	2.3
Exhibit	t 2–2	Displacement Risk Index	2.8
Exhibit	t 2–3	Access to Opportunity Index	2.9
Exhibit	t 2–4	Urban Village and Center by Displacement Risk and Access to Opportunity Typology	2.10
Exhibit	t 2–5	20-Year Household Growth and MHA Production	2.16
Exhibit	t 2–6	MHA Performance and Payment Requirements	2.19
Exhibit	t 2–7	Residential and Commercial Growth	2.26
Exhibit	t 2–8	Percentage Increase in Residential and Commercial Growth Compared to No Action	2.27
Exhibit	t 2–9	Approach to MHA Development Capacity Increases, Alternative 2	2.30
Exhibit	t 2–10	Approach to MHA Development Capacity Increases, Alternative 3	2.31
Exhibit	t 2–11	Approach to MHA Development Capacity Increases, Preferred Alternative	2.35
Exhibit	t 2–12	High Displacement Risk and Low Access to Opportunity Areas Redevelopable	
		Parcel Land Area by MHA Tier	2.36



Exhibit 2–13	Low Displacement Risk and High Access to Opportunity Areas	
	Redevelopable Parcel Land Area by MHA Tier	2.37
Exhibit 2–14	High Displacement Risk and High Access to Opportunity Areas	
	Redevelopable Parcel Land Area by MHA Tier	2.38
Exhibit 2–15	Low Displacement Risk and Low Access to Opportunity Areas	
	Redevelopable Parcel Land Area by MHA Tier	2.39
Exhibit 2–16	Action Alternative MHA Affordable Housing Performance and Payment Units	2.40
Exhibit 2–17	Proposed Urban Village Boundary Expansions Action Alternatives: Rainier	
	Beach (High Displacement Risk and Low Access to Opportunity)	2.42
Exhibit 2–18	Proposed Urban Village Boundary Expansions Action Alternatives: Othello	
	(High Displacement Risk and Low Access to Opportunity)	2.44
Exhibit 2–19	Proposed Urban Village Boundary Expansions Action Alternatives:	
	Roosevelt (Low Displacement Risk and High Access to Opportunity)	2.46
Exhibit 2–20	Proposed Urban Village Boundary Expansions Action Alternatives: Ballard	
	(Low Displacement Risk and High Access to Opportunity)	2.48
Exhibit 2–21	Proposed Urban Village Boundary Expansions Action Alternatives: West	
	Seattle Junction (Low Displacement Risk and High Access to Opportunity)	2.50
Exhibit 2–22	Proposed Urban Village Boundary Expansions Action Alternatives: Crown	
	Hill (Low Displacement Risk and High Access to Opportunity)	2.52
Exhibit 2–23	Proposed Urban Village Boundary Expansions Action Alternatives:	
	Columbia City (High Displacement Risk and High Access to Opportunity)	2.54
Exhibit 2–24	Proposed Urban Village Boundary Expansions Action Alternatives:	
	Northgate (High Displacement Risk and High Access to Opportunity)	2.56
Exhibit 2–25	Proposed Urban Village Boundary Expansions Action Alternatives: North	
	Beacon Hill (High Displacement Risk and High Access to Opportunity)	2.58
Exhibit 2–26	Proposed Urban Village Boundary Expansions Action Alternatives: North	
	Rainier (High Displacement Risk and High Access to Opportunity)	2.60
Exhibit 2–27	Proposed Urban Village Boundary Expansions Action Alternatives: 23rd &	
	Union-Jackson (High Displacement Risk and High Access to Opportunity)	2.62
3 Affected	Environment, Significant Impacts, and Mitigation Measures.	3.1
		0.1
3.1 Housing	and Socioeconomics.	3.3
Exhibit 3.1–1	1936 Commercial Map of Greater Seattle	3.6
Exhibit 3.1–2	Percentage of Population Who Are Persons of Color, 2010	3.10
Exhibit 3.1–3	People of Color as a Percentage of Community Reporting Area (CRA)	
	Population	3.11
Exhibit 3.1–4	Limited English-speaking Households by Census Tract (Five-year ACS,	
	2011–2015)	3.13
Exhibit 3.1–5	Change in Shares of Population by Race, 1990–2010	3.15
Exhibit 3.1–6	2010 Percentages of Population by Age and Sex	3.16
Exhibit 3.1–7	Seattle Households by Household Size	3.17
	-	



Exhibit 3.1–8	HUD FY2016 Income Limits by Household Size in the Seattle–Bellevue, WA HUD Metro FMR Area	3.18
Exhibit 3.1–9	Household Income Breakdown by Housing Tenure, 2009–2013 ACS	3.19
Exhibit 3.1–10 Exhibit 3.1–11	Share of Total Households by Household Income Level, 2000 and 2009–2013 Percentage of Households with Income at or Below 60% of AMI, 2009–	3.19
	2013 ACS	3.20
Exhibit 3.1–12	Household Income by Race/Ethnicity of Householder, 2009–2013	3.21
Exhibit 3.1–13	Housing Inventory by Building Type (Units in Structure), 2016	3.23
Exhibit 3.1–14	Housing Units in Seattle by Urban Center/Village, 1995–2015	3.24
Exhibit 3.1–15	Affordable Rents Including Utilities at 30 Percent of Household Income	3.25
Exhibit 3.1–16	Household Cost Burden by Tenure, 2009–2013	3.26
Exhibit 3.1–17	Share of Renter Households with Cost Burden, by Income Category	3.26
Exhibit 3.1–19	Share of Total Renter Households with Housing Cost Burden, 2000, and 2009–2013	3.27
Exhibit 3.1–18	Share of Renter Households with Housing Cost Burden, by Householder Race	3.27
Exhibit 3.1–20	Share of of Total Renter Households with Severe Housing Cost Burden, 1990, 2000, and 2009–2013	3.28
Exhibit 3.1–21	Average Monthly Rent in 2016 Dollars and Vacancy Rate in Apartment	
	Complexes with 20+ Units, All Unit Types	3.29
Exhibit 3.1–22	One-Bedroom Gross Rents by Age Group Medium to Large Apartment	
	Complexes (20+ units), Fall 2016	3.29
Exhibit 3.1–23	Affordability Levels of Unsubsidized Rental Units in Apartment Complexes with 20+ Units	3.31
Exhibit 3 1–24	Average Monthly Rent by Unit Type in Apartment Complexes with 20+	0.01
	Units, Fall 2016	3.33
Exhibit 3.1–25	Average Monthly Apartment Rent by Market Area, Fall 2016	3.34
Exhibit 3.1–26	Total MFTE Units in Approved Projects (Inclusive of Market-Rate and	
	Rent- and Income-Restricted Units), 1998–2016*	3.38
Exhibit 3.1–27	Total Distribution of MFTE-Restricted Units by Percent of Area Median	
	Income (Rental Only) 1998–2016*	3.38
Exhibit 3.1–28	Cause of Displacement Among TRAO-Eligible Households, 2013–2016	3.41
Exhibit 3.1–29	Demolitions that Result in Displacement of TRAO Eligible Households	
	Within Income of 50% AMI or Less, 2013–2016	3.42
Exhibit 3.1–30	Change in Number of Households by Income Level, 2000 compared to	
	2009–2013	3.44
Exhibit 3.1–31	Percent Change in Number of Households by Displacement Risk and	
	Access to Opportunity Typology, 2000 Compared to 2009–2013	3.45
Exhibit 3.1–32	Change in in the Number of Households Without HUD Assistance, 2000 to	
	2009–2013	3.47
Exhibit 3.1–33	Correlation Coefficients between Housing Production and Changes in	
	Low-Income Households	3.50



Exhibit 3.1–34	Correlation Coefficients between Housing Production and Changes in	
	Population by Major Racial/Ethnic Category	3.55
Exhibit 3.1–35	Capacity for Housing Growth Compared to Housing Growth Estimate in	
	Study Area	3.60
Exhibit 3.1–36	Net Capacity for Housing Growth by Zone Category	3.61
Exhibit 3.1–37	Percent of Total Net Capacity for Housing Growth by Zone Category	3.61
Exhibit 3.1–38	Estimated New MHA Affordable Housing Units: Generated by Growth in	
	the Study Area and Total Built in the Study Area, 20 Years	3.66
Exhibit 3.1–39	Estimated New Affordable Units Built by Urban Village and Displacement	
	Risk and Access to Opportunity Typology, 20 Years	3.67
Exhibit 3.1–40	Market-Rate and MHA Rent Comparison of Costs	3.68
Exhibit 3.1–41	New Housing Growth Compared to Demolished Units, 2015–2035	3.71
Exhibit 3.1–42	Estimated Physically Displaced Low-Income Households Due to	
	Demolitions Compared to Affordable Units Built, 2015–2035	3.73
Exhibit 3.1–43	New MHA and IZ Affordable Units Generated Compared to Displaced	
	Low-Income Households due to Demolition in the Study Area	3.74
Exhibit 3.1–44	Cumulative Estimate of Household 50% of AMI or Less Displaced Due to	
	Demolition, Renovation, or Change of Use, 2015–2035	3.76
Exhibit 3.1–45	Total 20-Year Housing Growth Urban Villages with High Percentage Share	
	Racial and Ethnic Minority Populations	3.80
Exhibit 3.1–46	Estimated Total Net New Housing Units by Alternative	3.84
Exhibit 3.1–47	Estimated Total MHA and IZ Affordable Housing Units by Displacement	
	Risk and Access to Opportunity	3.85
3.2 Land Us	e.	3.99
Exhibit 3.2–1	Comprehensive Plan Future Land Use Map (FLUM)	3.101
Exhibit 3.2–2	Existing Land Use Categories	3.105
Exhibit 3.2–3	Land Use Impacts by Zone Change, (M) Tier Zoning Increases	3.113
Exhibit 3.2–4	Land Use Impacts by Zone Change, (M1) Tier Zoning Increases	3.114
Exhibit 3.2–5	Land Use Impacts by Zone Change, (M2) Tier Zoning Increases	3.115
Exhibit 3.2–6	Location of MHA Tiers in Alternative 2 and 3	3.120
Exhibit 3.2–7	Percentage of Zoned Land Use	3.129
3.3 Aestheti	CS.	3.159
Exhibit 3.3–1	Citywide Allowed Height	3.161
Exhibit 3.3–2	Established Single Family Housing Areas	3.163
Exhibit 3.3–3	New Infill Single Family Housing	3.163
Exhibit 3.3–4	Lowrise Multifamily Infill Housing Areas	3.163
Exhibit 3.3–5	Mixed Use Commercial Corridors	3.164
Exhibit 3.3–6	Thresholds for Design Review	3.165
Exhibit 3.3–7	Thresholds for Design Review	3.166
Exhibit 3.3–8	Urban Villages with Neighborhood Design Guidelines	3.167
Exhibit 3.3–9	Land Use Code Amendments, Alternatives 2 and 3	3.172



Exhibit 3.3–10	Infill Development in Single Family Zone Under Existing Regulations, No	
	Action	3.178
Exhibit 3.3–11	Infill Development of Residential Small Lot (RSL) Housing in Single Family	
	Context, (M) Zoning Change	3.179
Exhibit 3.3–12	Infill Development of Residential Small Lot (RSL) Housing in Single Family	
	Context, (M) Zoning Change—Concentrated Development Pattern	3.179
Exhibit 3.3–13	Lowrise 1 (M1) and Lowrise 2 (M) Infill Development	3.181
Exhibit 3.3–14	Lowrise 1 (M1) and Lowrise 2 (M) Infill Development	3.181
Exhibit 3.3–15	Lowrise 2 (M1) and Lowrise 3 (M2) Infill Development	3.183
Exhibit 3.3–16	Lowrise 2 (M1) and Lowrise 3 (M2) Infill Development— Concentrated	
	Development Pattern	3.183
Exhibit 3.3–17	Single Family Infill Development Adjacent to a Public Open Space, No Action	3.185
Exhibit 3.3–18	Lowrise 2 (M1) Infill Development Adjacent to a Public Open Space	3.185
Exhibit 3.3–19	Transition Area, No Action	3.187
Exhibit 3.3–20	Transition Area, Lowrise 1 (M1) and Neighborhood Commercial (M) Infill	
	Development	3.187
Exhibit 3.3–21	Neighborhood Commercial Zoning, No Action	3.189
Exhibit 3.3–22	Neighborhood Commercial (M) and (M1) Infill Development	3.189
Exhibit 3.3–23	Locations of (M), (M1), and (M2) Zoning Changes—Alternative 2	3.194
Exhibit 3.3–24	MHA Height Limit Changes—Alternative 2	3.195
Exhibit 3.3–25	Locations of (M), (M1), and (M2) Zoning Changes—Alternative 3	3.200
Exhibit 3.3–26	MHA Height Limit Changes—Alternative 3	3.201
Exhibit 3.3–27	Locations of (M), (M1), and (M2) Zoning Changes—Preferred Alternative	3.204
Exhibit 3.3–28	MHA Height Limit Changes— Preferred Alternative	3.205
Exhibit 3.3–29	Highrise Residential Zoning, No Action	3.207
Exhibit 3.3–30	Highrise Residential (M) Infill Development	3.207
3.4 Transpo	rtation.	3.215
Exhibit 3.4–1	EIS Analysis Sectors	3.216
Exhibit 3.4–2	Pedestrian Master Plan Priority Investment Network, Northwest Seattle	3.218
Exhibit 3.4–3	Pedestrian Master Plan Priority Investment Network, Northeast Seattle	3.219
Exhibit 3.4–4	Pedestrian Master Plan Priority Investment Network, West Central Seattle	3.220
Exhibit 3.4–5	Pedestrian Master Plan Priority Investment Network, East Central Seattle	3.221
Exhibit 3.4–6	Pedestrian Master Plan Priority Investment Network, Southwest Seattle	3.222
Exhibit 3.4–7	Pedestrian Master Plan Priority Investment Network, Southeast Seattle	3.223
Exhibit 3.4–8	Existing Bicycle Facilities	3.225
Exhibit 3.4–9	Planned Bicycle Network, Northwest Seattle	3.226
Exhibit 3.4–10	Planned Bicycle Network, Northeast Seattle	3.227
Exhibit 3.4–11	Planned Bicycle Network, West Central Seattle	3.228
Exhibit 3.4–12	Planned Bicycle Network, East Central Seattle	3.229
Exhibit 3.4–13	Planned Bicycle Network, Southwest Seattle	3.230
Exhibit 3.4–14	Planned Bicycle Network, Southeast Seattle	3.231
Exhibit 3.4–15	Transit Master Plan, Priority Transit Corridors for Capital Investments	3.233



Exhibit 3.4–16	Restricted Parking Zones	3.235
Exhibit 3.4–17	Summary of 2015 and 2016 On-Street Occupancy by Neighborhood	3.237
Exhibit 3.4–18	Screenline Level of Service Thresholds	3.243
Exhibit 3.4–19	City of Seattle Screenlines	3.244
Exhibit 3.4–20	Drive Alone Mode Share Targets	3.245
Exhibit 3.4–21	State Facility Analysis Locations	3.247
Exhibit 3.4–22	Travel Time Corridors	3.248
Exhibit 3.4–23	Thresholds for Travel Speeds and Travel Time	3.249
Exhibit 3.4–24	2015 PM Peak Hour Screenline Volume-to-Capacity	3.251
Exhibit 3.4–25	2015 PM Peak Period Mode Share by Sector (Percentage)	3.253
Exhibit 3.4–26	Existing Transit Crowding Ratio	3.253
Exhibit 3.4–27	Existing Corridor Travel Times	3.254
Exhibit 3.4–28	Existing Corridor Travel Times (2015)	3.255
Exhibit 3.4–29	Existing Conditions of State Facility Analysis Locations	3.256
Exhibit 3.4–30	2035 PM Peak Hour Screenline Volume-to-Capacity, Alternative 1 No Action	3.263
Exhibit 3.4–31	2035 Screenline V/C Ratios, All Alternatives	3.264
Exhibit 3.4–32	2035 PM Peak Period Mode Share by Sector (Percentage), Alternative 1	
	No Action	3.265
Exhibit 3.4–33	2035 Transit Crowding Ratio, Alternative 1 No Action	3.266
Exhibit 3.4–34	State Facility Analysis—2035 Volume-to-LOS D Capacity Ratio, Alternative	
	1 No Action	3.267
Exhibit 3.4–35	2035 Corridor Travel Times, Alternative 1 No Action	3.268
Exhibit 3.4–36	2035 Corridor Travel Times, Alternative 1 No Action	3.269
Exhibit 3.4–37	2035 PM Peak Hour Screenline Volume-to-Capacity, Alternative 2	3.271
Exhibit 3.4–38	2035 PM Peak Period Mode Share by Sector (Percentage), Alternative 2	3.272
Exhibit 3.4–39	2035 Transit Crowding Ratio, Alternative 2	3.273
Exhibit 3.4–40	State Facility Analysis—2035 Volume-to-LOS D Capacity Ratio, Alternative 2	3.274
Exhibit 3.4–41	2035 Corridor Travel Times, Alternative 2	3.275
Exhibit 3.4–42	2035 Corridor Travel Times, Alternative 2	3.276
Exhibit 3.4–43	2035 PM Peak Hour Screenline Volume-to-Capacity, Alternative 3	3.278
Exhibit 3.4–44	2035 PM Peak Period Mode Share by Sector (Percentage), Alternative 3	3.279
Exhibit 3.4–45	2035 Transit Crowding Ratio, Alternative 3	3.280
Exhibit 3.4–46	State Facility Analysis—2035 Volume-to-LOS D Capacity Ratio, Alternative 3	3.281
Exhibit 3.4–47	2035 Corridor Travel Times, Alternative 3	3.282
Exhibit 3.4–48	2035 Corridor Travel Times, Alternative 3	3.283
Exhibit 3.4–49	Summary of Transportation Impacts	3.286
3.5 Historic	Resources.	3.295
Exhibit 3.5–1	NHRP Determined Eligible Historic Properties by Typology and Urban Village	3.298
Exhibit 3.5–2	NRHP Determined Eligible Properties—North	3.300
Exhibit 3.5–3	NRHP Determined Eligible Properties—South	3.301

3.302



Exhibit 3.5–5	Urban Villages with 50% or Greater Estimated Housing Growth Under Alternatives 1 and 2	3.308
Exhibit 3.5–6	Urban Villages with 50% or Greater Estimated Housing Growth Under	
	Alternatives 1 and 3	3.309
Exhibit 3.5–7	Urban Villages with 50% or Greater Estimated Housing Growth Under	
	Alternative 1 and the Preferred Alternative	3.310
3.6 Biologic	al Resources.	3.315
Exhibit 3.6–1	ECA Analysis Summary, Alternative 2	3.324
Exhibit 3.6–2	ECA and Shoreline District Land Area in MHA Study Area Urban Villages	
	and Expansion Areas (Acres), Alternative 2	3.325
Exhibit 3.6–3	Critical Areas, Alternative 2 North	3.326
Exhibit 3.6–4	Critical Areas, Alternative 2 South	3.327
Exhibit 3.6–5	Tree Canopy Analysis Summary, Alternative 2	3.329
Exhibit 3.6–6	Tree Cover by Displacement/Access Group, Alternative 2	3.329
Exhibit 3.6–7	ECA Analysis Summary, Alternative 3	3.331
Exhibit 3.6–8	ECA and Shoreline District Land Area in MHA Study Area Urban Villages	
	and Expansion Areas (Acres), Alternative 3	3.331
Exhibit 3.6–9	Critical Areas, Alternative 3 North	3.332
Exhibit 3.6–10	Critical Areas, Alternative 3 South	3.333
Exhibit 3.6–11	Tree Canopy Analysis Summary, Alternative 3	3.335
Exhibit 3.6–12	Tree Cover by Displacement/Access Group, Alternative 3	3.335
Exhibit 3.6–13	ECA Analysis Summary, Preferred Alternative	3.337
Exhibit 3.6–14	ECA and Shoreline District Land Area in MHA Study Area Urban Villages	
	and Expansion Areas (Acres), Preferred Alternative	3.337
Exhibit 3.6–15	Tree Canopy Analysis Summary, Preferred Alternative	3.339
Exhibit 3.6–16	Tree Cover by Displacement/Access Group, Preferred Alternative	3.339
3.7 Open Sp	pace and Recreation.	3.343
Exhibit 3.7–1	2017 Parks and Open Space Plan Citywide LOS Standard	3.344
Exhibit 3.7–2	Baseline Condition Acres of Parks and Open Space per Population	3.346
Exhibit 3.7–3	Baseline Conditions for Parks and Open Space Provision and Distribution	3.347
Exhibit 3.7–4	LOS Evaluation of Alternatives	3.349
Exhibit 3.7–5	Comparison of Parks and Open Space Availability Across Alternatives	3.350
Exhibit 3.7–6	Changes in Park Availability in <u>Underserved</u> Urban Villages with Open	
	Space and/or Walkability Gaps, Alternative 1 No Action	3.352
Exhibit 3.7–7	Changes in Park Availability in <u>Underserved</u> Urban Villages with Open	
	Space and/or Walkability Gaps, Alternative 2	3.353
Exhibit 3.7–8	Changes in Park Availability in <u>Underserved</u> Urban Villages with Open	
	Space and/or Walkability Gaps, Alternative 3	3.354
Exhibit 3.7–9	Changes in Park Availability in Underserved Urban Villages, Preferred	
	Alternative	3.355



Exhibit 3.8–1SPS Attendance Area3.365Exhibit 3.8–2SPU Combined Pipe and KC Metro Wastewater Systems3.367Exhibit 3.8–3Capacity Constrained Areas3.370Exhibit 3.8–4Student Generation Rate by Housing Type3.374Exhibit 3.8–52017–2018 Estimated Total K-8 Students to Aggregate Right Size Capacity by School Service Area3.375Exhibit 3.8–6Estimated Net Students Generated from Housing Growth by School Service Area—20 Years3.377Exhibit 3.8–7Preferred Alternative: 20-year Growth Estimates and Student Generation Estimate3.382 3.9 Air Quality and Greenhouse Gas Emissions. 3.389 Exhibit 3.9–1Federal and State Ambient Air Quality Standards3.389Exhibit 3.9–2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle3.395Exhibit 3.9–3Road Transportation GHG Emissions in Metric Tons of CO ₂ e per Year3.407
Exhibit 3.8–3Capacity Constrained Areas3.370Exhibit 3.8–4Student Generation Rate by Housing Type3.374Exhibit 3.8–52017–2018 Estimated Total K-8 Students to Aggregate Right Size Capacity by School Service Area3.375Exhibit 3.8–6Estimated Net Students Generated from Housing Growth by School Service Area—20 Years3.377Exhibit 3.8–7Preferred Alternative: 20-year Growth Estimates and Student Generation Estimate3.382 3.9 Air Quality and Greenhouse Gas Emissions.3.387Exhibit 3.9–1Federal and State Ambient Air Quality Standards3.389Exhibit 3.9–2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle Exhibit 3.9–33.397
Exhibit 3.8–4Student Generation Rate by Housing Type3.374Exhibit 3.8–52017–2018 Estimated Total K-8 Students to Aggregate Right Size Capacity by School Service Area3.375Exhibit 3.8–6Estimated Net Students Generated from Housing Growth by School Service Area—20 Years3.377Exhibit 3.8–7Preferred Alternative: 20-year Growth Estimates and Student Generation Estimate3.382 3.9 Air Quality and Greenhouse Gas Emissions.3.387Exhibit 3.9–1Federal and State Ambient Air Quality Standards3.389Exhibit 3.9–2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle3.395Exhibit 3.9–3Road Transportation GHG Emissions in Metric Tons of CO2e per Year3.407
Exhibit 3.8–52017–2018 Estimated Total K-8 Students to Aggregate Right Size Capacity by School Service Area3.375Exhibit 3.8–6Estimated Net Students Generated from Housing Growth by School Service Area—20 Years3.377Exhibit 3.8–7Preferred Alternative: 20-year Growth Estimates and Student Generation Estimate3.382 3.9 Air Quality and Greenhouse Gas Emissions. 3.387 Exhibit 3.9–1Federal and State Ambient Air Quality Standards3.389Exhibit 3.9–2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle3.395Exhibit 3.9–3Road Transportation GHG Emissions in Metric Tons of CO2e per Year3.407
Capacity by School Service Area3.375Exhibit 3.8–6Estimated Net Students Generated from Housing Growth by School Service Area—20 Years3.377Exhibit 3.8–7Preferred Alternative: 20-year Growth Estimates and Student Generation Estimate3.382 3.9 Air Quality and Greenhouse Gas Emissions. 3.387 Exhibit 3.9–1Federal and State Ambient Air Quality Standards3.389Exhibit 3.9–2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle 3.3933.395Exhibit 3.9–3Road Transportation GHG Emissions in Metric Tons of CO2e per Year3.407
Exhibit 3.8-6Estimated Net Students Generated from Housing Growth by School Service Area—20 Years3.377Exhibit 3.8-7Preferred Alternative: 20-year Growth Estimates and Student Generation Estimate3.3823.9Air Quality and Greenhouse Gas Emissions.3.387Exhibit 3.9-1Federal and State Ambient Air Quality Standards3.389Exhibit 3.9-2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle Sand Transportation GHG Emissions in Metric Tons of CO2e per Year3.407
Service Area—20 Years3.377Exhibit 3.8–7Preferred Alternative: 20-year Growth Estimates and Student Generation Estimate3.382 3.9 Air Quality and Greenhouse Gas Emissions. 3.387 Exhibit 3.9–1Federal and State Ambient Air Quality Standards3.389Exhibit 3.9–2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle 3.3953.395Exhibit 3.9–3Road Transportation GHG Emissions in Metric Tons of CO2e per Year3.407
Exhibit 3.8–7Preferred Alternative: 20-year Growth Estimates and Student Generation Estimate3.3823.9Air Quality and Greenhouse Gas Emissions.3.387Exhibit 3.9–1Federal and State Ambient Air Quality Standards3.389Exhibit 3.9–2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle Stations in Seattle3.395Exhibit 3.9–3Road Transportation GHG Emissions in Metric Tons of CO2e per Year3.407
Estimate3.382 3.9 Air Quality and Greenhouse Gas Emissions. 3.387 Exhibit 3.9–1Federal and State Ambient Air Quality Standards3.389Exhibit 3.9–2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle3.395Exhibit 3.9–3Road Transportation GHG Emissions in Metric Tons of CO2e per Year3.407
3.9 Air Quality and Greenhouse Gas Emissions.3.387Exhibit 3.9–1Federal and State Ambient Air Quality Standards3.389Exhibit 3.9–2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle3.395Exhibit 3.9–3Road Transportation GHG Emissions in Metric Tons of CO2e per Year3.407
Exhibit 3.9–1Federal and State Ambient Air Quality Standards3.389Exhibit 3.9–2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle3.395Exhibit 3.9–3Road Transportation GHG Emissions in Metric Tons of CO2e per Year3.407
Exhibit 3.9–2Ambient Air Quality Monitoring Data for Monitoring Stations in Seattle3.395Exhibit 3.9–3Road Transportation GHG Emissions in Metric Tons of CO2e per Year3.407
Exhibit 3.9–3 Road Transportation GHG Emissions in Metric Tons of CO_2e per Year 3.407
· 2 ·
Exhibit 3.9–4 Road Transportation and Energy-Related Pollutant Emissions in Tons per
Year 3.409
Exhibit 3.9–5 Operational GHG Emissions of Alternative 1 No Action and Alternatives 2,
$\frac{1}{2}$ and $\frac{1}{2}$ and the Preferred Alternative in Metric Tons of CO ₂ e per Year 3.410
4 Comments and Responses. 4.1
Exhibit 4–1 Summary of Frequent Comment Topics 4.3
Exhibit 4–2 Rental Housing Program 4.15
Exhibit 4–3 Commenters Providing Comments by E-Mail, Online Comment Form, or
Hard Copy Letter4.29
Exhibit 4–4 Commenters Providing Comments by Verbal Public Hearing Comment 4.465
5 References. 5.1
6 Distribution List. 6.1

Appendices.

Exhibit F–1	Standard MHA Development Capacity Increases in the Residential Small	
	Lot (RSL) Zone	F.1
Exhibit F–2	Standard MHA Development Capacity Increases in Lowrise Zones: Height	
	and FAR Limits	F.2
Exhibit F–3	Standard MHA Development Capacity Increases in Lowrise Zones:	
	Density Limits	F.2
Exhibit F–4	Standard MHA Development Capacity Increases Midrise and Highrise Zones	F.3



Exhibit F–5	Standard MHA Development Capacity Increases Action Alternatives in	
	Commercial and Neighborhood Commercial Zones	F.3
Exhibit G–1	Method of Calculating the Increase in Development Capacity	G.6
Exhibit G–2	Method for Estimating Growth Based on Development Capacity Changes	G.8
Exhibit H–1	Land Area of Existing and Proposed MHA Zoning, Alternative 2	H.2
Exhibit H–2	Land Area of Existing and Proposed MHA Zoning, Alternative 3	H.3
Exhibit H–3	Land Area of Existing and Proposed MHA Zoning, Preferred Alternative	H.4
Exhibit H–4	Redevelopable Parcel Land Area by MHA Tier: High Displacement Risk	
	and Low Access to Opportunity Urban Villages	H.5
Exhibit H–5	Redevelopable Parcel Land Area by MHA Tier: Low Displacement Risk	
	and High Access to Opportunity Urban Villages	H.6
Exhibit H–6	Redevelopable Parcel Land Area by MHA Tier: High Displacement Risk	
	and High Access to Opportunity Urban Villages	H.7
Exhibit H–7	Redevelopable Parcel Land Area by MHA Tier: Low Displacement Risk	
	and Low Access to Opportunity Urban Villages and Outside Urban Villages	H.7
Exhibit H–8	Proposed Zoning, Alternative 2: 23rd & Union-Jackson Urban Village	H.9
Exhibit H–9	Proposed Zoning, Alternative 3: 23rd & Union-Jackson Urban Village	H.10
Exhibit H–10	Proposed Zoning, Preferred Alternative: 23rd & Union-Jackson Urban Village	H.11
Exhibit H–11	Proposed Zoning, Alternative 2: Admiral Urban Village	H.12
Exhibit H–12	Proposed Zoning, Alternative 3: Admiral Urban Village	H.13
Exhibit H–13	Proposed Zoning, Preferred Alternative: Admiral Urban Village	H.14
Exhibit H–14	Proposed Zoning, Alternative 2: Aurora-Licton Springs Urban Village	H.15
Exhibit H–15	Proposed Zoning, Alternative 3: Aurora-Licton Springs Urban Village	H.16
Exhibit H–16	Proposed Zoning, Preferred Alternative: Aurora-Licton Springs Urban Village	H.17
Exhibit H–17	Proposed Zoning, Alternative 2: Ballard Urban Village	H.18
Exhibit H–18	Proposed Zoning, Alternative 3: Ballard Urban Village	H.19
Exhibit H–19	Proposed Zoning, Preferred Alternative: Ballard Urban Village	H.20
Exhibit H–20	Proposed Zoning, Alternative 2: Bitter Lake Village Urban Village	H.21
Exhibit H–21	Proposed Zoning, Alternative 3: Bitter Lake Village Urban Village	H.22
Exhibit H–22	Proposed Zoning, Preferred Alternative: Bitter Lake Village Urban Village	H.23
Exhibit H–23	Proposed Zoning, Alternative 2: Columbia City Urban Village	H.24
Exhibit H–24	Proposed Zoning, Alternative 3: Columbia City Urban Village	H.25
Exhibit H–25	Proposed Zoning, Preferred Alternative: Columbia City Urban Village	H.26
Exhibit H–26	Proposed Zoning, Alternative 2: Crown Hill Urban Village	H.27
Exhibit H–27	Proposed Zoning, Alternative 3: Crown Hill Urban Village	H.28
Exhibit H–28	Proposed Zoning, Preferred Alternative: Crown Hill Urban Village	H.29
Exhibit H–29	Proposed Zoning, Alternative 2: Eastlake Urban Village	H.30
Exhibit H–30	Proposed Zoning, Alternative 3: Eastlake Urban Village	H.31
Exhibit H–31	Proposed Zoning, Preferred Alternative: Eastlake Urban Village	H.32
Exhibit H–32	Proposed Zoning, Alternative 2: First Hill-Capitol Hill Urban Village	H.33
Exhibit H–33	Proposed Zoning, Alternative 3: First Hill-Capitol Hill Urban Village	H.34
Exhibit H–34	Proposed Zoning, Preferred Alternative: First Hill-Capitol Hill Urban Village	H.35



Exhibit H–35	Proposed Zoning, Alternative 2: Fremont Urban Village	H	1.36
Exhibit H–36	Proposed Zoning, Alternative 3: Fremont Urban Village	H	1.37
Exhibit H–37	Proposed Zoning, Preferred Alternative: Fremont Urban Villa	age H	1.38
Exhibit H–38	Proposed Zoning, Alternative 2: Green Lake Urban Village	H	1.39
Exhibit H–39	Proposed Zoning, Alternative 3: Green Lake Urban Village	H	1.40
Exhibit H–40	Proposed Zoning, Preferred Alternative: Green Lake Urban	Village H	1.41
Exhibit H–41	Proposed Zoning, Alternative 2: Greenwood-Phinney Ridge	Urban Village H	1.42
Exhibit H–42	Proposed Zoning, Alternative 3: Greenwood-Phinney Ridge	Urban Village H	1.43
Exhibit H–43	Proposed Zoning, Preferred Alternative: Greenwood-Phinne	y Ridge Urban	
	Village	H	1.44
Exhibit H–44	Proposed Zoning, Alternative 2: Lake City Urban Village	H	1.45
Exhibit H–45	Proposed Zoning, Alternative 3: Lake City Urban Village	H	1.46
Exhibit H–46	Proposed Zoning, Preferred Alternative: Lake City Urban Vil	lage H	1.47
Exhibit H–47	Proposed Zoning, Alternative 2: Madison-Miller Urban Villag	je H	1.48
Exhibit H–48	Proposed Zoning, Alternative 3: Madison-Miller Urban Villag	je H	1.49
Exhibit H–49	Proposed Zoning, Preferred Alternative: Madison-Miller Urba	an Village H	1.50
Exhibit H–50	Proposed Zoning, Alternative 2: Morgan Junction Urban Villa	age H	1.51
Exhibit H–51	Proposed Zoning, Alternative 3: Morgan Junction Urban Villa	age H	1.52
Exhibit H–52	Proposed Zoning, Preferred Alternative: Morgan Junction U	rban Village H	1.53
Exhibit H–53	Proposed Zoning, Alternative 2: North Beacon Hill Urban Vil	lage H	1.54
Exhibit H–54	Proposed Zoning, Alternative 3: North Beacon Hill Urban Vil	lage H	1.55
Exhibit H–55	Proposed Zoning, Preferred Alternative: North Beacon Hill L	Jrban Village H	1.56
Exhibit H–56	Proposed Zoning, Alternative 2: North Rainier Urban Village	e H	1.57
Exhibit H–57	Proposed Zoning, Alternative 3: North Rainier Urban Village	e H	1.58
Exhibit H–58	Proposed Zoning, Preferred Alternative: North Rainier Urbar	n Village H	1.59
Exhibit H–59	Proposed Zoning, Alternative 2: Northgate Urban Village	H	1.60
Exhibit H–60	Proposed Zoning, Alternative 3: Northgate Urban Village	H	1.61
Exhibit H–61	Proposed Zoning, Preferred Alternative: Northgate Urban Vi	llage H	1.62
Exhibit H–62	Proposed Zoning, Alternative 2: Othello Urban Village	H	1.63
Exhibit H–63	Proposed Zoning, Alternative 3: Othello Urban Village	H	1.64
Exhibit H–64	Proposed Zoning, Preferred Alternative: Othello Urban Villag	ge H	1.65
Exhibit H–65	Proposed Zoning, Alternative 2: Rainier Beach Urban Village	e H	1.66
Exhibit H–66	Proposed Zoning, Alternative 3: Rainier Beach Urban Village	e H	1.67
Exhibit H–67	Proposed Zoning, Preferred Alternative: Rainier Beach Urba	an Village 🛛 🖁 🖁	1.68
Exhibit H–68	Proposed Zoning, Alternative 2: Roosevelt Urban Village	H	1.69
Exhibit H–69	Proposed Zoning, Alternative 3: Roosevelt Urban Village	H	1.70
Exhibit H–70	Proposed Zoning, Preferred Alternative: Roosevelt Urban Vi	illage H	1.71
Exhibit H–71	Proposed Zoning, Alternative 2: South Park Urban Village	H	1.72
Exhibit H–72	Proposed Zoning, Alternative 3: South Park Urban Village	H	1.73
Exhibit H–73	Proposed Zoning, Preferred Alternative: South Park Urban \	√illage ⊢	1.74
Exhibit H–74	Proposed Zoning, Alternative 2: Upper Queen Anne Urban	√illage ⊢	1.75
Exhibit H–75	Proposed Zoning, Alternative 3: Upper Queen Anne Urban \	√illage H	1.76



Exhibit H–76	Proposed Zoning, Preferred Alternative: Upper Queen Anne Urban Village	H.77
Exhibit H–77	Proposed Zoning, Alternative 2: Wallingford Urban Village	H.78
Exhibit H–78	Proposed Zoning, Alternative 3: Wallingford Urban Village	H.79
Exhibit H–79	Proposed Zoning, Preferred Alternative: Wallingford Urban Village	H.80
Exhibit H–80	Proposed Zoning, Alternative 2: West Seattle Junction Urban Village	H.81
Exhibit H–81	Proposed Zoning, Alternative 3: West Seattle Junction Urban Village	H.82
Exhibit H–82	Proposed Zoning, Preferred Alternative: West Seattle Junction Urban Village	H.83
Exhibit H–83	Proposed Zoning, Alternative 2: Westwood-Highland Park Urban Village	H.84
Exhibit H–84	Proposed Zoning, Alternative 3: Westwood-Highland Park Urban Village	H.85
Exhibit H–85	Proposed Zoning, Preferred Alternative: Westwood-Highland Park Urban	
	Village	H.86
Exhibit H–86	Proposed Zoning, Alternative 2: 34th Ave NW at NW Market St	H.87
Exhibit H–87	Proposed Zoning, Alternative 3: 34th Ave NW at NW Market St	H.88
Exhibit H–88	Proposed Zoning, Preferred Alternative: 34th Ave NW at NW Market St	H.89
Exhibit H–89	Proposed Zoning, Alternative 2: 16th Ave SW at SW Holden St	H.90
Exhibit H–90	Proposed Zoning, Alternative 3: 16th Ave SW at SW Holden St	H.91
Exhibit H–91	Proposed Zoning, Preferred Alternative: 16th Ave SW at SW Holden St	H.92
Exhibit H–92	Proposed Zoning, Alternative 2: Ravenna (Part of University Community	
	Urban Center)	H.93
Exhibit H–93	Proposed Zoning, Alternative 3: Ravenna (Part of University Community	
	Urban Center)	H.94
Exhibit H–94	Proposed Zoning, Preferred Alternative: Ravenna (Part of University	
	Community Urban Center)	H.95
Exhibit H–95	Proposed Zoning, Alternative 2: Wedgewood	H.96
Exhibit H–96	Proposed Zoning, Alternative 3: Wedgewood	H.97
Exhibit H–97	Proposed Zoning, Preferred Alternative: Wedgewood	H.98
Exhibit H–98	Proposed Zoning, Alternative 2: Central Seattle	H.99
Exhibit H–99	Proposed Zoning, Alternative 3: Central Seattle	H.100
Exhibit H–100	Proposed Zoning, Preferred Alternative: Central Seattle	H.101
Exhibit H–101	Proposed Zoning, Alternative 2: Northeast Seattle	H.102
Exhibit H–102	Proposed Zoning, Alternative 3: Northeast Seattle	H.103
Exhibit H–103	Proposed Zoning, Preferred Alternative: Northeast Seattle	H.104
Exhibit H–104	Proposed Zoning, Alternative 2: Northwest Seattle	H.105
Exhibit H–105	Proposed Zoning, Alternative 3: Northwest Seattle	H.106
Exhibit H–106	Proposed Zoning, Preferred Alternative: Northwest Seattle	H.107
Exhibit H–107	Proposed Zoning, Alternative 2: Southeast Seattle	H.108
Exhibit H–108	Proposed Zoning, Alternative 3: Southeast Seattle	H.109
Exhibit H–109	Proposed Zoning, Preferred Alternative: Southeast Seattle	H.110
Exhibit H–110	Proposed Zoning, Alternative 2: Southwest Seattle	H.111
Exhibit H–111	Proposed Zoning, Alternative 3: Southwest Seattle	H.112
Exhibit H–112	Proposed Zoning, Preferred Alternative: Southwest Seattle	H.113
Exhibit J–1	Existing PM Screenline Results	J.1



Exhibit J–2	2035 PM Screenline V/C Ratio Results	J.7
Exhibit J–3	AM 3-hour Model Transit Boardings Analysis	J.10
Exhibit J–5	2035 AM Period Transit Crowding Ratio	J.11
Exhibit J–4	Existing AM Period Transit Crowding Ratio	J.11
Exhibit J–6	State Facilities AADT and V/C ratios	J.12
Exhibit J–7	LOS Thresholds for Travel Speeds and Travel Time	J.13
Exhibit J–8	Existing Auto Corridor Travel Times	J.14
Exhibit J–9	2035 Auto Corridor Travel Times	J.15
Exhibit J–10	Travel Demand Model Network Assumptions	J.18
Exhibit J–11	Travel Demand Model Network Assumptions	J.19
Exhibit J–12	Assumed Model Network Capacity Changes	J.19
Exhibit K–1	ECA and Shoreline District Land Area by MHA Zone and Tier (Acres),	5.15
	Alternative 2	K.2
Exhibit K–2	ECA and Shoreline District Land Area by MHA Zone and Tier (Acres),	rx.z
EXHIDIC N-2	Alternative 3	K.2
Exhibit M–1	Categorization of Census Tracts by Displacement Risk and Access to	rx.z
	Opportunity	M.2
Exhibit M–2		101.2
	Change in the Number of Households with Income ≤50% AMI by Census Tract, 2000 to 2010–2014, and Net Housing Production, 2000 to 2012	M.4
Exhibit M–3	-	101.4
	Gain or Loss of Households with Income ≤50% AMI and Net Housing	M.5
Exhibit M–4	Production by Census Tract, 2000 Compared to 2010–2014 Gain or Loss of Households with Income ≤50% AMI and Net Housing	101.5
	Production by Displacement Risk and Access to Opportunity Typology,	
	2000 Compared to 2010–2014	M.5
Exhibit M–5	Change in the Number of Households Living in Market-Rate Units with	101.5
	Income ≤50% AMI by Census Tract, 2000 to 2010–2014, and Net Market-	
	Rate Housing Production, 2000 to 2012	M.6
Exhibit M–6	Gain or Loss of Households Living in Market-Rate Units with Income	101.0
	C C	
	≤50% AMI and Net Housing Production by Census Tract, 2000 Compared	N4 7
Evhibit M 7	to 2010–2014	M.7
Exhibit M–7	Gain or Loss of Households Living in Market-Rate Units with Income	
	<50% AMI and Net Housing Production by Displacement Risk and Access	N 4 7
	to Opportunity Typology, 2000 Compared to 2010–2014	M.7
Exhibit M–8	Change in the Number of Households with Income ≤80% AMI by Census	MO
	Tract, 2000 to 2010–2014, and Net Housing Production, 2000 to 2012	M.8
Exhibit M–9	Gain or Loss of Households with Income ≤80% AMI and Net Housing	M 0
	Production by Census Tract, 2000 Compared to 2010–2014	M.9
Exhibit M–10	Gain or Loss of Households with Income ≤80% AMI and Net Housing	
	Production by Displacement Risk and Access to Opportunity Typology,	
	2000 Compared to 2010–2014	M.9



Exhibit M–11	Change in the Number of Households Living in Market-Rate Units with Income ≤80% AMI by Census Tract, 2000 to 2010–2014, and Net Market-	
	Rate Housing Production, 2000 to 2012	M.10
Exhibit M–12	Gain or Loss of Households Living in Market-Rate Units with Income ≤80% AMI and Net Housing Production by Census Tract, 2000 Compared	
	to 2010–2014	M.11
Exhibit M–13	Gain or Loss of Households Living in Market-Rate Units with Income ≤80% AMI and Net Housing Production by Displacement Risk and Access	
	to Opportunity Typology, 2000 Compared to 2010–2014	M.11
Exhibit M–14	Change in the Number of Households with Income 50–80% AMI by Census Tract, 2000 to 2010–2014, and Net Housing Production, 2000 to	M.12
	2012	IVI. IZ
Exhibit M–15	Gain or Loss of Households with Income 50–80% AMI and Net Housing Production by Census Tract, 2000 Compared to 2010–2014	M.13
Exhibit M–16	Gain or Loss of Households with Income 50–80% AMI and Net Housing Production by Displacement Risk and Access to Opportunity Typology,	M.13
	2000 Compared to 2010–2014	IVI. 13
Exhibit M–17	Change in the Number of Households Living in Market-Rate Units with Income 50–80% AMI by Census Tract, 2000 to 2010–2014, and Net	
	Market-Rate Housing Production, 2000 to 2012	M.14
Exhibit M–18	Gain or Loss of Households Living in Market-Rate Units with Income 50– 80% AMI and Net Housing Production by Census Tract, 2000 Compared	
	to 2010–2014	M.15
Exhibit M–19	Gain or Loss of Households Living in Market-Rate Units with Income 50– 80% AMI and Net Housing Production by Displacement Risk and Access	
	to Opportunity Typology, 2000 Compared to 2010–2014	M.15
Exhibit M–20	Change in the Number of Households with Income 80–120% AMI by	
	Census Tract, 2000 to 2010–2014, and Net Housing Production, 2000 to	
	2012	M.16
Exhibit M–21	Gain or Loss of Households with Income 80–120% AMI and Net Housing	
	Production by Census Tract, 2000 Compared to 2010–2014	M.17
Exhibit M–22	Gain or Loss of Households with Income 80–120% AMI and Net Housing	
	Production by Displacement Risk and Access to Opportunity Typology,	
	2000 Compared to 2010–2014	M.17
Exhibit M–23	Change in the Number of Households with Income >80% AMI by Census	
	Tract, 2000 to 2010–2014, and Net Housing Production, 2000 to 2012	M.18
Exhibit M–24	Gain or Loss of Households with Income >80% AMI and Net Housing	
	Production by Census Tract, 2000 Compared to 2010–2014	M.19
Exhibit M–25	Gain or Loss of Households with Income >80% AMI and Net Housing	
	Production by Displacement Risk and Access to Opportunity Typology,	
	2000 Compared to 2010–2014	M.19



Exhibit M–26	Change in the Number of Households with Income >120% AMI by Census	
	Tract, 2000 to 2010–2014, and Net Housing Production, 2000 to 2012	M.20
Exhibit M–27	Gain or Loss of Households with Income >120% AMI and Net Housing	
	Production by Census Tract, 2000 Compared to 2010–2014	M.21
Exhibit M–28	Gain or Loss of Households with Income >120% AMI and Net Housing	
	Production by Displacement Risk and Access to Opportunity Typology,	
	2000 Compared to 2010–2014	M.21
Exhibit M–29	Change in Black/African American Population by Census Tract, 2000 to	
	2011–2015, and Net Housing Production, 2000 to 2013	M.22
Exhibit M–30	Gain or Loss of Black/African American Population and Net Housing	
	Production by Census Tract, 2000 Compared to 2011–2015	M.23
Exhibit M–31	Gain or Loss of Black/African American Population and Net Housing	
	Production by Displacement Risk and Access to Opportunity Typology,	
	2000 Compared to 2011–2015	M.23
Exhibit M–32	Change in Population of Color by Census Tract, 2000 to 2011–2015, and	
	Net Housing Production, 2000 to 2013	M.24
Exhibit M–33	Gain or Loss of Population of Color and Net Housing Production by	
	Census Tract, 2000 Compared to 2011–2015	M.25
Exhibit M–34	Gain or Loss of Population of Color and Net Housing Production by	
	Displacement Risk and Access to Opportunity Typology, 2000 Compared	
	to 2011–2015	M.25
Exhibit M–35	Change in Hispanic/Latino Population by Census Tract, 2000 to 2011–	
	2015, and Net Housing Production, 2000 to 2013	M.26
Exhibit M–36	Gain or Loss of Hispanic/Latino Population and Net Housing Production	
	by Census Tract, 2000 Compared to 2011–2015	M.27
Exhibit M–37	Gain or Loss of Hispanic/Latino Population and Net Housing Production by	
	Displacement Risk and Access to Opportunity Typology, 2000 Compared	
	to 2011–2015	M.27
Exhibit M–38	Change in Asian Population by Census Tract, 2000 to 2011–2015, and Net	
	Housing Production, 2000 to 2013	M.28
Exhibit M–39	Gain or Loss of Asian Population and Net Housing Production by Census	
	Tract, 2000 Compared to 2011–2015	M.29
Exhibit M–40	Gain or Loss of Asian Population and Net Housing Production by	
	Displacement Risk and Access to Opportunity Typology, 2000 Compared	
	to 2011–2015	M.29
Exhibit M–41	Change in American Indian/Alaska Native Population by Census Tract,	
	2000 to 2011–2015, and Net Housing Production, 2000 to 2013	M.30
Exhibit M–42	Gain or Loss of American Indian/Alaska Native Population Population and	
	Net Housing Production by Census Tract, 2000 Compared to 2011–2015	M.31
Exhibit M–43	Gain or Loss of American Indian/Alaska Native Population Population and	
	Net Housing Production by Displacement Risk and Access to Opportunity	
	Typology, 2000 Compared to 2011–2015	M.31



Exhibit M–44	Change in Native Hawaiian/Other Pacific Islander Population by Census	
	Tract, 2000 to 2011–2015, and Net Housing Production, 2000 to 2013	M.32
Exhibit M–45	Gain or Loss of Native Hawaiian/Other Pacific Islander Population and Net	
	Housing Production by Census Tract, 2000 Compared to 2011–2015	M.33
Exhibit M–46	Gain or Loss of Native Hawaiian/Other Pacific Islander Population and	
	Net Housing Production by Displacement Risk and Access to Opportunity	
	Typology, 2000 Compared to 2011–2015	M.33
Exhibit M–47	Change in Non-Hispanic White Population by Census Tract, 2000 to	
	2011–2015, and Net Housing Production, 2000 to 2013	M.34
Exhibit M–48	Gain or Loss of Non-Hispanic White Population and Net Housing	
	Production by Census Tract, 2000 Compared to 2011–2015	M.35
Exhibit M–49	Gain or Loss of Non-Hispanic White Population and Net Housing	
	Production by Displacement Risk and Access to Opportunity Typology,	
	2000 Compared to 2011–2015	M.35



« intentionally blank »