

# THURSTON COUNTY COMPREHENSIVE PLAN

## TABLE OF CONTENTS

TABLE OF CONTENTS: CHAPTERS	PAGE
<b><u>CHAPTER ONE -- INTRODUCTION</u></b>	
I. VISION FOR THURSTON COUNTY.....	1-1
II. AUTHORITY FOR PLANNING.....	1-2
III. THE COMPREHENSIVE PLAN IS USED BY THURSTON COUNTY.....	1-4
A. The Role of the Comprehensive Plan, Joint Plans and Other Specialized Plans.....	1-4
B. The Role of the Comprehensive Plan.....	1-5
C. Time Horizon.....	1-5
IV. HOW THIS DOCUMENT IS USED BY OTHERS .....	1-6
V. HISTORY OF AMENDMENTS TO THE COMPREHENSIVE PLAN.....	1-6
VI. SETTING .....	1-8
A. Geography & Climate.....	1-8
B. Population & Demographics.....	1-9
C. Income & Economy .....	1-12
<b><u>CHAPTER TWO -- LAND USE</u></b>	
I. INTRODUCTION .....	2-1
II. URBAN GROWTH AREAS.....	2-2
A. History and Purpose of Thurston County's Urban Growth Areas.....	2-2
B. Growth Management Act Requirements for Urban Growth Areas.....	2-3
C. Market Factor .....	2-4
D. Water Availability (Hirst Decision) .....	2-4
E. Subarea Planning .....	2-5
III. POPULATION AND GROWTH TRENDS.....	2-5
A. Population Allocation and Forecast .....	2-5

Adopted December 2020

B.	Density and Building Intensity.....	2-8
IV.	LAND USE DESIGNATIONS .....	2-9
A.	General Land Use Guidelines.....	2-9
B.	Rural Area Designations.....	2-11
V.	LANDS FOR PUBLIC PURPOSES.....	2-31
A.	Essential Public Facilities .....	2-31
B.	Olympia Airport Area.....	2-34
C.	Joint Base Lewis-McChord .....	2-37
VI.	LAND USE DECISION-MAKING.....	2-37
VII.	GOALS, OBJECTIVES AND POLICIES .....	2-38

**CHAPTER THREE -- NATURAL RESOURCE LANDS**

I.	INTRODUCTION .....	3-1
II.	PLANNING CONTEXT FOR NATURAL RESOURCE INDUSTRIES .....	3-2
III.	AGRICULTURE RESOURCES .....	3-2
A.	Community Vision .....	3-2
B.	Background .....	3-3
C.	Farming Diversity and Markets .....	3-3
D.	Existing Programs to Support Agriculture .....	3-5
E.	Agricultural Lands of Long-Term Commercial Significance .....	3-8
IV.	AQUACULTURE RESOURCES .....	3-13
A.	Community Vision .....	3-13
B.	Background .....	3-13
V.	FOREST RESOURCES .....	3-16
A.	Community Vision .....	3-16
B.	Background .....	3-16
C.	Forest Lands in Thurston County.....	3-17
D.	Designating Forest Lands of Long-Term Commercial Significance .....	3-18
VI.	MINERAL RESOURCES.....	3-20

A.	Community Vision .....	3-20
B.	Background .....	3-20
C.	Balancing Conflicts .....	3-21
D.	Designating Mineral Resources of Long-Term Commercial Significance .....	3-23
VII.	GOALS, OBJECTIVES AND POLICIES .....	3-27

**CHAPTER FOUR -- HOUSING**

I.	INTRODUCTION .....	4-1
II.	PLANNING CONTEXT FOR HOUSING .....	4-2
A.	Demographic Shifts .....	4-2
B.	Planning Context .....	4-4
III.	MEETING HOUSING NEEDS.....	4-6
IV.	HOUSING AFFORDABILITY.....	4-8
A.	Home Owners and Renters .....	4-8
B.	Homeless and Special Needs Housing .....	4-13
C.	Fair Share Housing Targets .....	4-16
V.	HOUSING DIVERSITY .....	4-17
VI.	GOALS, OBJECTIVES AND POLICIES .....	4-19

**CHAPTER FIVE -- TRANSPORTATION**

I.	INTRODUCTION .....	5-1
II.	PLANNING CONTEXT FOR TRANSPORTATION .....	5-2
A.	Growth Management Requirements .....	5-2
B.	County Wide Planning Policies.....	5-5
C.	Regional Transportation Plan.....	5-5
D.	Transportation Improvement Program .....	5-5
III.	HIGHWAYS AND ROADS .....	5-5
A.	Design and Locational Standards .....	5-6

Adopted December 2020

B.	Transportation System Capacity & Level of Service.....	5-6
C.	Existing County Roadway System.....	5-11
D.	Roadway Classifications.....	5-11
E.	Future Roadways .....	5-12
F.	Access Management.....	5-12
G.	Safety (Target Zero).....	5-12
H.	Roadway Maintenance and Preservation Needs .....	5-13
I.	Roadway Improvements.....	5-13
IV.	TRANSIT SERVICE .....	5-23
A.	Transit Services .....	5-23
B.	The Future of Transit Services in Thurston County .....	5-23
V.	BICYCLES AND PEDESTRIANS.....	5-24
A.	Bikeway Classification .....	5-24
B.	Current Network.....	5-29
C.	Future Network .....	5-29
VI.	RAIL AND AIR TRANSPORTATION SYSTEM .....	5-33
A.	Rail Transportation.....	5-33
B.	Air Transportation.....	5-34
VII.	GOALS, OBJECTIVES AND POLICIES .....	5-34

**CHAPTER SIX -- CAPITAL FACILITIES**

I.	INTRODUCTION .....	6-1
II.	PLANNING CONTEXT FOR CAPITAL FACILITIES.....	6-2
A.	County Wide Planning Policies.....	6-2
B.	Joint Jurisdictional and Department Planning.....	6-3
III.	GOALS, OBJECTIVES AND POLICIES .....	6-5
IV.	CAPITAL FACILITIES SUMMARY.....	6-11
A.	Regional Parks, Trails, Open Spaces and Preserves .....	6-11
B.	Solid Waste .....	6-12
C.	Stormwater Facilities .....	6-13
D.	Water and Sewer Systems.....	6-14

Adopted December 2020

E.	Transportation.....	6-17
F.	General County Government Facilities and Services .....	6-19
V.	FINANCING THE COUNTY CAPITAL FACILITIES.....	6-20
A.	Impact Fees.....	6-20
B.	Real Estate Excise Tax.....	6-21
C.	Sales Tax .....	6-21
D.	Conservation Futures Property Tax Levy.....	6-21
E.	Motor Vehicle Fuel Tax (Gas Tax) .....	6-21
F.	Utility Rates.....	6-21
G.	Utility Local Improvement District (ULID).....	6-21
H.	Central Services Building Reserve .....	6-22
I.	Funding Projects .....	6-22
VI.	LEVEL OF SERVICE STANDARDS .....	6-23

**CHAPTER SEVEN -- UTILITIES**

I.	INTRODUCTION .....	7-1
II.	PLANNING CONTEXT FOR CAPITAL FACILITIES.....	7-2
A.	County Wide Planning Policies.....	7-2
B.	Regulatory Authorities .....	7-2
C.	Level of Service (LOS) Standards .....	7-3
III.	PRIVATE UTILITIES.....	7-4
A.	Electricity .....	7-4
B.	Natural Gas .....	7-6
C.	Standard Telephone.....	7-6
D.	Cellular Telephone .....	7-7
E.	Cable .....	7-8
IV.	COUNTY-OWNED/OPERATED UTILITIES.....	7-8
A.	Solid Waste .....	7-8
B.	Stormwater Utility.....	7-9
C.	Water and Sewer .....	7-12
V.	GOALS, OBJECTIVES AND POLICIES .....	7-13

**CHAPTER EIGHT -- ECONOMIC DEVELOPMENT**

I.	INTRODUCTION .....	8-1
II.	PLANNING CONTEXT FOR ECONOMIC DEVELOPMENT .....	8-2
A.	County Wide Planning Policies.....	8-2
B.	Supporting Planning Entities .....	8-3
III.	THURSTON COUNTY ECONOMY .....	8-5
A.	Workforce Sectors & Employment .....	8-5
B.	Tax Revenue.....	8-7
C.	Economic Conditions and Performance .....	8-9
IV.	FUTURE ECONOMIC OPPORTUNITIES.....	8-18
A.	Employment Projections .....	8-18
B.	Employment and Income Trends.....	8-19
C.	Economic Development Opportunities.....	8-22
V.	GOALS, OBJECTIVES AND POLICIES .....	8-28

**CHAPTER NINE – ENVIRONMENT, RECREATION, AND OPEN SPACE**

I.	INTRODUCTION .....	9-1
II.	PLANNING CONTEXT FOR ENVIRONMENT, OPEN SPACE, AND RECREATION .....	9-2
III.	ENVIRONMENT .....	9-2
A.	Critical Areas.....	9-3
B.	Habitat and Species .....	9-3
C.	Water Resources .....	9-4
D.	Air Quality .....	9-8
IV.	NATURAL HAZARDS.....	9-8
A.	Flood Hazards.....	9-8
B.	Other Natural Hazards.....	9-9
C.	Climate Change .....	9-9
V.	PARKS, TRAILS, AND OPEN SPACE .....	9-11
A.	Tools for Conservation and Open Space.....	9-11

Adopted December 2020

B.	County Parks, Trails and Open Spaces .....	9-13
C.	Intergovernmental Coordination .....	9-14
D.	Thurston County Parkland Classification .....	9-15
E.	Level of Service .....	9-16
VI.	GOALS, OBJECTIVES AND POLICIES .....	9-17

**CHAPTER TEN – ARCHAEOLOGICAL AND HISTORIC RESOURCES**

I.	INTRODUCTION .....	10-1
A.	Archaeological and Historic Preservation .....	10-2
II.	PLANNING CONTEXT FOR ARCHAEOLOGICAL AND HISTORIC RESOURCES .....	10-3
A.	County Wide Planning Policies.....	10-3
B.	Identification of Archaeological and Historic Resources.....	10-4
C.	Historic Preservation Programs .....	10-5
D.	Protection of Historic and Archaeological Resources.....	10-7
III.	GOALS, OBJECTIVES AND POLICIES .....	10-8

**CHAPTER ELEVEN – HEALTH AND HUMAN SERVICES**

I.	INTRODUCTION .....	11-1
II.	PLANNING CONTEXT FOR HEALTH AND HUMAN SERVICES .....	11-3
A.	Countywide Planning Policies .....	11-3
B.	Regulatory Authority.....	11-4
III.	BACKGROUND AND CONTEXT.....	11-5
A.	Determinants of Health .....	11-5
B.	Current Understanding of Interactions between Built Environment and Health...11-7	11-7
C.	Public Health Priorities in Thurston County .....	11-8
IV.	THURSTON COUNTY COMMUNITY HEALTH INDICATORS.....	11-11
A.	Health Data for Decision Making.....	11-11
V.	GOALS, OBJECTIVES AND POLICIES .....	11-22

**CHAPTER TWELVE -- PLAN AMENDMENTS**

I.	GENERAL PROVISIONS.....	12-1
A.	Compliance with State Law.....	12-1
B.	Timing.....	12-1
II.	TYPES OF COMPREHENSIVE PLAN AMENDMENTS .....	12-1
III.	APPEALS.....	12-2
A.	Growth Management Hearings Board Review.....	12-2
B.	Judicial Review.....	12-2

**CHAPTER THIRTEEN -- GLOSSARY**

I.	DEFINITIONS.....	13-1
II.	ACRONYMS.....	13-13

**CHAPTER FOURTEEN -- APPENDICES**

A.	Thurston County History.....	14-(A)-1
B.	Reserved .....	14-(B)-1
C.	Descriptions of Related Plans, Studies and Regulations.....	14-(C)-1
D.	List of Plan Amendments.....	14-(D)-1
E.	Maps .....	14-(E)-1
F.	Reserved .....	14-(F)-1
G.	Capital Improvement Program.....	

**TABLE OF CONTENTS: TABLES, EXHIBITS AND MAPS****PAGE****TABLES****Land Use:**

Table 2-1	Population Allocation and Forecast by Thurston County Jurisdiction, 2017-2040.....	2-5
Table 2-2	Residential Capacity in Urban Areas of Thurston County.....	2-8
Table 2-3	Percentage of Land Allocated for Rural Uses .....	2-12

**Natural Resource Lands:**

Table 3-1	Acres of Land Enrolled in Agricultural Protection Programs.....	3-8
Table 3-2	Acreages of Long-Term Agriculture Designation within Thurston County.....	3-11
Table 3-3	Acreages of Forestland in Thurston County .....	3-17
Table 3-4	Washington State Private Forest Land Grades .....	3-18
Table 3-5	Acreage of Mineral Resource Lands in Thurston County .....	3-23

**Housing:**

Table 4-1	Median Family Income for Thurston County.....	4-10
Table 4-2	Thurston County Housing Units by Indicators of Substandard Conditions.....	4-12
Table 4-3	Current and Future Fair Share Housing Distributions .....	4-16

**Transportation:**

Table 5-1	Level of Service for Roads .....	5-7
Table 5-2	Vehicle Level of Service .....	5-8

**Capital Facilities:**

Table 6-1	Interjurisdictional Shared Needs for Public Purpose Lands.....	6-4
Table 6-2	Proposed Water & Sewer Projects .....	6-15
Table 6-3	Twenty-Year Generalized Project Projections 2020-2040.....	6-22
Table 6-4	Level of Service Standards and Comparison to Previous CFP .....	6-24

**Utilities:**

Table 7-1	Level of Service Standards for Solid Waste .....	7-9
Table 7-2	Level of Service Standard for Stormwater .....	7-10
Table 7-3	Level of Service Standard for Water and Sewer .....	7-13

**Economic Development:**

Table 8-1	Average Annual Wages and Employment by Industry .....	8-9
Table 8-2	Acres of Farmland and Count of Farms sorted by Farm Size .....	8-12
Table 8-3	Sales and County of Farms Sorted by Farm Sales.....	8-13
Table 8-4	Low and High Dollar Per-Acre Estimates for Agriculture and Forest Lands .....	8-17

**Environment, Recreation, and Open Space:**

Adopted December 2020

Table 9-1	Level of Service Standards for Parks .....	9-16
-----------	--	------

**Archaeological and Historic Resources:**

Table 10-1	Identified Historic Site Resources in Thurston County, April 2004.....	10-6
Table 10-2	Thurston County Historic Properties Inventory.....	10-11

**Health and Human Services:**

Table 11-1	Chronic Health Conditions Requiring Medical and/or Behavioral Health Care, Thurston County .....	11-12
Table 11-2	Environmental Public Health Concerns among Youth and Adults, Thurston County and Washington State .....	11-19
Table 11-3	Nutrition Patterns among Youth and Adults, Thurston County and Washington State .....	11-20
Table 11-4	Physical Activity among Youth and Adults, Thurston County and Washington State .....	11-21
Table 11-5	Tobacco use among Youth and Adults, Thurston County and Washington State	11-21
Table 11-6	Secondhand Smoke Exposure among Youth, Thurston County and Washington State .....	11-22

**Plan Amendments**

Table 12-1	General Steps for Annual Comprehensive Plan Amendments .....	12-3
------------	--	------

**EXHIBITS****Land Use:**

Exhibit A	Olympia Airport with Overlay Zone .....	2-36
-----------	---	------

**Transportation:**

Exhibit A	Private Road.....	5-14
	<i>Exhibit A-1 Paved Private Road .....</i>	5-14
	<i>Exhibit A-2 Gravel Private Road .....</i>	5-15
Exhibit B	Local Road.....	5-16
	<i>Exhibit B-1 Rural Local Road.....</i>	5-16
	<i>Exhibit B-2 Rural Residential Local Road.....</i>	5-17
	<i>Exhibit B-3 Urban Local Road.....</i>	5-18
Exhibit C	Collector Road.....	5-19
	<i>Exhibit C-1 Major Collector .....</i>	5-19
	<i>Exhibit C-2 Minor Collector .....</i>	5-20
Exhibit D	Arterial Road.....	5-21
	<i>Exhibit D-1 Urban Arterial Road.....</i>	5-21
	<i>Exhibit D-2 Rural Arterial Road .....</i>	5-22

Adopted December 2020

Exhibit E	Multiuse Trail .....	5-25
Exhibit F	Bike Lane .....	5-26
Exhibit G	Bike Route .....	5-27
Exhibit H	Shared Travel Land .....	5-28
Exhibit I	Urban Pedestrian Facilities.....	5-30
Exhibit J	Rural Pedestrian Facilities .....	5-31
Exhibit K	Enhanced Pedestrian Crossings.....	5-32

## MAPS

### Introduction:

Map I-1	Unincorporated Thurston County
Map I-2	Physiography
Map I-3	Existing Land Use

### Land Use:

Map L-1	Future Land Use
Map L-3	Military and Airport Noise Impact Areas

### Natural Resource Lands:

Map N-1	Long Term Agriculture and Forestry
Map N-2	Designated Mineral Resource Lands
Map N-3	Mineral Resource Inventory (AESI, 2017)

### Transportation:

Map T-1	Federal Functional Classification
Map T-2	County Functional Classification
Map T-2a	Grand Mound Functional Classification
Map T-3	Transit Routes
Map T-4	Existing and Planned Bicycle and Multiuse Trail Facilities
Map T-5	Rail, Port, and Airport Facilities
Map T-6	2015 Modeled Traffic Volumes
Map T-7	2040 Modeled Traffic Volumes
Map T-8	Freight and Goods Transportation System
Map T-9	Level of Service (LOS) Standard, Two-Hour P.M. Peak
Map T-10	2040 Level of Service Projections

### Utilities:

Map U-1	Water, Sewer and Solid Waste
---------	------------------------------

### Environment, Recreation, and Open Space:

Map E-1	Water Resource Inventory Areas (WRRIAs)
---------	---

Map E-2      Lands for Public Purposes  
Map E-3      Open Space Tax Land

**Historic:**

Map H-1      Historic Sites