

Appendix D: Land and facility demand

Park, recreation, and open space land and facility demands can be estimated using population ratios, participation models, level-of-service (LOS) measurements, and/or questionnaire survey methodologies.

Ratios - the demand for park, recreation, and open space land can be estimated using a ratio of a required facility to a standard unit of population, such as 3.1 acres of athletic fields and playgrounds per 1,000 residents. The ratio method is relatively simple to compute and can be compared with national or local park, recreation, and open space measurements.

However, the method cannot account for unique age, social or interest characteristics that may affect the park, recreation, and open space activity patterns within a specific community. Nor can the method compensate for unique climatic or environmental features that may cause seasonal or geographical variations in park, recreation, and open space use patterns.

The ratio method is frequently used to estimate land requirements. However, a number of factors may significantly influence the amount of land a community may wish to set-aside for park, recreation, and open space purposes. Such factors may include the presence of sensitive environments, scenic viewpoints, historical or cultural assets, trailheads, and other features that may increase land set-asides along a non-motorized transportation or trail corridor.

The most widely used park land and facility ratios have been formulated by the National Recreation & Park Association (NRPA) using standards that have been developed over time by major parks, recreation, and open space departments across the country. Depending on the agency arrangements within the participating cities, the ratios may or may not include the lands and facilities that are provided by all public sponsors including city, school, county, state, federal agencies, and private operators within each measuring jurisdiction.

Note - the NRPA began publishing a comprehensive list of ratios in 1985 that have subsequently been updated and qualified to account for local methodologies in the years since. The methodology the NRPA currently recommends is similar in content to the Washington State Resource Conservation Office

(RCO - formerly the Interagency for Outdoor Recreation - IAC) participation model described in the following section. However, the 1985 ratios are presented for comparison in this plan since most park and recreation managers still use the 1985 ratios as the industry standard.

Participation models - park, recreation, and open space facility requirements can also be determined using variations of participation models - refined, statistical variations of a questionnaire or survey method of determining recreational behavior. Participation models are usually compiled using activity diaries, where a person or household records their participation in specific recreational activities over a measurable period of time. The diary results are compiled to create a statistical profile that can be used to project the park, recreation, and open space behavior of comparable persons, households or populations.

Participation models are most accurate when the participation measurements are determined for a population and area that is local and similar enough to the population that is to be projected by the model. The most accurate participation models are usually controlled for climatic region and age, and periodically updated to measure changes in recreational behavior in activities or areas over time.

Properly done, participation models can be very accurate predictors of an area's facility requirements in terms that are specific and measurable. However, though accurate, participation models can be somewhat abstract, and if not combined with other methods of gathering public opinion, can fail to determine qualitative issues of an area's demands in addition to a facility's quantitative requirements.

For example, an area might provide the exact facility quantities that are required to meet the resident population's park, recreation, and open space demands, such as a mile of walking trail. However, the facility might not be provided with the proper destination, in a quality or safe corridor, or other important, but less measurable aspect that makes the facility quantity effective and the activity a pleasurable experience. The walking trail, for example, might be located in an area of uninteresting scenery and/or in an inaccessible location.

This planning effort utilizes the results of the Washington State Resource Conservation Office (RCO) surveys for 6 age groups (male and female) for the northeast region of the state (east of the Cascade Mountains) that were accomplished in 2001.

The estimates were developed for each activity demand for the peak season periods that would most impact facility capacities and thereby the level of service to local residents. The estimated demands were converted into facility units based on assumed high capacity and turnover rates common to most urban areas of the state. The projected facility unit requirements were then converted into a simple facility unit per 1,000 residents ratio to allow comparison with similar ratios developed by the NRPA and found to be the existing facility level-of-service (ELOS) for each activity.

Note - participation models can account for facility capacity ratios that may be expressed through management policies or local population preferences concerning volume of use or the degree of crowding that is satisfactory. However, the model cannot account for all possible variations in crowding or volume of use that may vary over the length of a trail, season, or by a different user population at the same time. Nor can the model account for communities that may be impacted by tourist or regional users from outside the modeling area.

Existing and proposed level-of-service (ELOS/PLOS) - facility requirements may also be determined by expressing the supply of existing park, recreation, and open space land and facilities as a ratio to the resident existing population (as a unit ratio per 1,000 persons).

The existing level-of-service (ELOS) condition or ratio can define an existing standard for each type of park, recreation, and open space provided within the existing inventory. ELOS ratios can be calculated for specialized types of activities for which there are no comparable national or state definitions.

Ultimately, department staff with public assistance through telephone or mailed or internet questionnaires can develop proposed level-of-service (PLOS) ratios for a specific type of facility by determining the quantity that is considered to be surplus or deficient in quantity or condition within the existing inventory.

For example, the existing supply of beach trails in a jurisdiction of 10,000 persons may be 20 miles, or an existing level-of-service (ELOS) standard of 2.00 miles per 1,000 persons or population. The public may determine, however, that under present conditions the existing trails are overcrowded and located in areas that are of little interest for beach walking purposes.

Ideally, the public would like to add 10 more miles to the existing inventory in order to reduce crowding and provide access to more interesting sites. The proposal would increase the overall supply to 30 miles and the proposed level-of-service (PLOS) standard to 3.00 miles per 1,000 persons.

Note - this plan compares all 3 methodologies. However, the plan considers the ELOS/PLOS comparison approach to be the most accurate method of resolving final level-of-service requirements since it can account for impacts of:

- out-of-area tourist and regional users,
- combined public and private facility inventories,
- unique environmental or market area dynamics, and
- other variables not possible to quantify in a participation model or ratio.

D.1 Land requirements

Total park lands

The RCO does not have a standard for park, recreation, and open space land. According to National Recreation & Park Association (NRPA) standards, a park, recreation, and open space system should provide approximately 34.45 acres of all types of parkland per every 1,000 persons in the population.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Acres			364.5	750.2	86.5
/1,000	34.45	Na	7.65	15.74	16.29

** Identifies additional land or facilities that are recommended to be added and the level-of-service per 1,000 persons that will result from the addition and the projected population increase over the next 20-year planning period. The level-of-service ratio will decline due to additional population increase (3,702 persons in the city by 2025) if no additional land or facilities are recommended.*

*** Ratio is expressed per 1,000 residents within Burien (year 2010 city population of 47,660) under Burien and for all*

Existing/proposed level-of-service standards (ELOS/PLOS - citywide)

2010 population in city: 47,660
 2025 population in city: 51,362

		units	2009 inventory		ELOS/city		PLOS		RCO			NRPA Stnds /1000 1983		
			City	All public	All public/private	City	All public	All public/private	All fcilty addns	All public/private	Participation model per 1,000 population		2010	
land	resource conservancy	acres	280.3	509.1	519.1	5.88	10.68	10.89	35.0	10.79				10.00
	resource activities	acres	16.9	226.9	226.9	0.35	4.76	4.76	25.5	4.91				16.50
	linear trails/greenways	acres	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00				4.85
	athletic flds/plygrnds	acres	57.9	173.1	188.8	1.21	3.63	3.96	22.0	4.10				3.10
	rctn centers/pools	acres	8.1	14.1	23.1	0.17	0.30	0.48	4.0	0.53				
	special use facilities	acres	1.3	2.3	2.3	0.03	0.05	0.05		0.04				
	support facilities	acres	0.0	0.0	0.0	0.00	0.00	0.00		0.00				
Subtotal for land			364.5	925.5	960.2	7.65	19.42	20.15	86.5	20.38				34.45
Facilities														
0	Wildlife habitat	sites	0.0	0.0	0.0	0.00	0.00	0.00	2.4	0.05				
	Gardens	sites	0.2	0.2	0.2	0.00	0.00	0.00	2.4	0.05				
1	waterfront	access/beach - fresh				0.00	0.00	0.00		0.00				
		access/beach - salt				0.00	0.00	0.00		0.00				
2	kayak	parking				0.00	0.00	0.00	20	0.39	2.14	2.09	1.99	na
		handcarry - fresh				0.00	0.00	0.00		0.00				
		handcarry - salt				0.00	0.00	0.00		0.00				
3	boating	power boat launch-fresh				0.00	0.00	0.00		0.00				
		power boat launch-salt				0.00	0.00	0.00		0.00				
		floating platforms				0.00	0.00	0.00		0.00				
		docks/piers				0.00	0.00	0.00		0.00				
		boat slips				0.00	0.00	0.00		0.00				na
4	picnic	benches	110	110	110	2.31	2.31	2.31		2.14				na
		tables w/o shelter	71	71	71	1.49	1.49	1.49	36	2.08	1.77	1.71	1.67	
		shelter group use	2	5	5	0.04	0.10	0.10	5	0.19				
5	camping	tent camping				0.00	0.00	0.00		0.00	1.28	1.21	1.15	na
		vehicle camping				0.00	0.00	0.00		0.00	2.00	2.02	2.03	na
		cabins/cottages				0.00	0.00	0.00		0.00				na
6	multipurpose	asphalt trail	0.00	3.00	3.00	0.00	0.06	0.06	17.83	0.41	0.13	0.13	0.13	na
		gravel trail	1.46	4.46	4.46	0.03	0.09	0.09	17.39	0.43				
7	parkways	streetscapes				0.00	0.00	0.00		0.00				
	parkways	parkways				0.00	0.00	0.00		0.00				
	boardwalks	sidewalk w/amenities				0.00	0.00	0.00		0.00				
	gateways	entry improvements				0.00	0.00	0.00		0.00				
	artworks	sculptures				0.00	0.00	0.00		0.00				
8	park trail	asphalt trail	4.1	4.5	4.5	0.09	0.09	0.09		0.09	0.15	0.15	0.14	0.50
		gravel/dirt trail	8.2	9.4	9.4	0.17	0.20	0.20		0.18				
	dayhiking	asphalt trail		0.0	0.0	0.00	0.00	0.00		0.00				
		gravel/dirt trail		0.0	0.0	0.00	0.00	0.00		0.00				
	backcountry	dirt trail w/campsites				0.00	0.00	0.00		0.00				
	shoreline	beach trail				0.00	0.00	0.00		0.00				
	boardwalks	promenades/piers				0.00	0.00	0.00		0.00				
9	on-road bike	road shoulder	2.39	2.39	2.39	0.05	0.05	0.05	35.92	0.75	0.03	0.03	0.03	na
		marked only				0.00	0.00	0.00		0.00				
10	off-road bike	BMX course				0.00	0.00	0.00		0.00				
	park trail	paved trail				0.00	0.00	0.00		0.00	0.30	0.30	0.29	0.50
		gravel/dirt trail				0.00	0.00	0.00		0.00				
	daybiking	paved trail				0.00	0.00	0.00		0.00				
		gravel/dirt trail				0.00	0.00	0.00		0.00				
	backcountry	dirt trail				0.00	0.00	0.00		0.00				
11	horse park trails	gravel/dirt trail				0.00	0.00	0.00		0.00	0.12	0.11	0.11	na
	dayrides	gravel/dirt trail				0.00	0.00	0.00		0.00				
	backcountry	dirt trail				0.00	0.00	0.00		0.00				
	stables	fenced				0.00	0.00	0.00		0.00				
12	dog	fenced parks				0.00	0.00	0.00		0.00				na
		off-leash trails	0	0	0	0.00	0.00	0.00		0.00				
13	playground	covered	0	6	9	0.00	0.13	0.19		0.18				
		uncovered	12	16	16	0.25	0.34	0.34		0.31	0.60	0.56	0.53	
14	skateboard	skateboard court	1	1	1	0.02	0.02	0.02		0.02				
		skateboard ramps	0	0	0	0.00	0.00	0.00	9	0.18				
	climbing	climbing walls				0.00	0.00	0.00		0.00				
15	handball	4 wall outdoor uncovered				0.00	0.00	0.00		0.00				
16	basketball	covered	0	6	6	0.00	0.13	0.13		0.12				
		uncovered lighted				0.00	0.00	0.00		0.00				
		uncovered	4.5	5.0	5.0	0.09	0.10	0.10	2.0	0.14	0.10	0.10	0.09	0.30
17	volleyball	covered				0.00	0.00	0.00		0.00				
		uncovered				0.00	0.00	0.00		0.00				0.20
		sand				0.00	0.00	0.00		0.00				
18	tennis	indoor				0.00	0.00	0.00		0.00				
		outdoor lighted	0	2	2	0.00	0.04	0.04	2	0.08	0.24	0.23	0.22	0.50
		outdoor unlighted	2	13	23	0.04	0.27	0.48		0.45				
		pickleball				0.00	0.00	0.00		0.00				
		bocce ball				0.00	0.00	0.00		0.00				
19	parcourse	parcourse				0.00	0.00	0.00		0.00				
20	field track	indoor track	0.00	0.00	0.02	0.00	0.00	0.00		0.00	0.02	0.02	0.02	0.05
		rubberized surface	0.00	0.00	0.00					0.02				
		cinder surface	0.00	0.75	1.00	0.00	0.02	0.02		0.02				
		exercise trail				0.00	0.00	0.00		0.00				
21	football/rugby	turf lighted	0	1	1	0.00	0.02	0.02		0.02				0.05
		grass lighted	0	2	2	0.00	0.04	0.04		0.04				
		grass unlighted	0	0	1	0.00	0.00	0.02		0.02				

		units	2009 inventory		ELOS/city		PLOS		RCO			NRPA Stnds /1000						
			City	All public	All public/ private	City	All public	All public/ private	All fcilty addns	All public/ private	Participation model							
											per 1,000 population		2010	2010	1983			
22	soccer	practice field	0	1	1	0.00	0.02	0.02										
		120 yd indoor				0.00	0.00	0.00										
		120 yd turf lighted				0.00	0.00	0.00										
		120 yd grass lighted	2	4	4	0.04	0.08	0.08		0.08	0.32	0.31	0.29	0.10				
		120 yd grass unlighted	2	8	9	0.04	0.17	0.19	1	0.19								
		120 yd all weather	0	5	5	0.00	0.10	0.10		0.10								
		100 yd youth-standards	0	1	1	0.00	0.02	0.02	4	0.10								
23	lacrosse	grass				0.00	0.00	0.00		0.00								0.05
24	baseball	300+grass lighted	0	1	1	0.00	0.02	0.02		0.02	0.53	0.52	0.49	0.40				
		300+grass unlighted	1	2	3	0.02	0.04	0.06		0.06								
	bs/sfbll	250+grass lighted	4	7	7	0.08	0.15	0.15		0.14								
		250+grass unlighted	0	0	1	0.00	0.00	0.02		0.02								
		250+dirt lighted				0.00	0.00	0.00		0.00								
		250+dirt unlighted				0.00	0.00	0.00		0.00								
	baseball	200+ grass lighted	0	3	3	0.00	0.06	0.06		0.06								
		200+ grass unlighted	0	11	14	0.00	0.23	0.29		0.27								
		youth - under 200 ft	0	0	1	0.00	0.00	0.02		0.02								
		backstops	0	0	0	0.00	0.00	0.00	3	0.06								
25	swim pool	indoor	0	4,000	6,000	0.00	83.93	125.89	4,000	194.70	540.8	527.2	502.8	0.05				
		outdoor	0	0	11,200	0.00	0.00	235.00	4,000	295.94								
		pool bathhouse bldg	0	4,000	4,000	0.00	83.93	83.93	4,000	155.76								
26	ice rink	indoor				0.00	0.00	0.00		0.00								
27	rctn cntr	indoor gymnasium	0	124,000	152,000	0.00	2,601.76	3,189.26	36,000	3,660.29								
28		physical conditioning	0	2,400	4,400	0.00	50.36	92.32	4,000	163.55								
		climbing walls	0	0	0	0.00	0.00	0.00	500	9.73								
29		racquetball-indoor	0	0	2	0.00	0.00	0.04		0.04								
		squash/handball-indoor	0	0	2	0.00	0.00	0.04		0.04								
30	cmty cntr	arts/crafts/classroom	13,200	14,200	14,200	276.96	297.94	297.94	2,000	315.41								
31		meeting rooms	20,200	26,800	26,800	423.84	562.32	562.32		521.79								
32		large meeting	2,900	16,900	16,900	60.85	354.60	354.60		329.04								
32		auditorium/theater	4,855	16,855	16,855	101.87	353.65	353.65	4,000	406.04								
33		kitchen facilities	400	400	400	8.39	8.39	8.39		7.79								
34		dining facilities				0.00	0.00	0.00		0.00								
35	child ctr	daycare/childcare				0.00	0.00	0.00		0.00								
		pre/after-school	0	0	2,400	0.00	0.00	50.36		46.73								
36	special	youth	0	0	0	0.00	0.00	0.00	2,000	38.94								
		teen	0	0	0	0.00	0.00	0.00	2,000	38.94								
		senior	0	0	0	0.00	0.00	0.00	2,000	38.94								
37	cultural	museum/historical				0.00	0.00	0.00		0.00								
		interpretive center	0	3,000	3,000	0.00	62.95	62.95		58.41								
		barns				0.00	0.00	0.00		0.00								
		viewpoint				0.00	0.00	0.00		0.00								
		nature interpretive exhibits				0.00	0.00	0.00		0.00								
		historical markers/tours				0.00	0.00	0.00		0.00								
38	golf	par 3/18 hole	0	0	27	0.00	0.00	0.57		0.53	0.41	0.42	0.43	0.13				
		driving range				0.00	0.00	0.00		0.00								
		clubhouse				0.00	0.00	0.00		0.00								
		maintenance				0.00	0.00	0.00		0.00								
39	firing range	gun range-indoor				0.00	0.00	0.00		0.00								
		gun range-outdoor				0.00	0.00	0.00		0.00	0.14	0.13	0.13	0.02				
		archery range-outdoor				0.00	0.00	0.00		0.00	0.06	0.06	0.05	0.02				
40	operations	administration offices	11,500	11,500	11,500	241.29	241.29	241.29	5,000	321.25								
		maintenance bldg				0.00	0.00	0.00		0.00								
		shop yard/nursery				0.00	0.00	0.00		0.00								
		caretaker houses	5,200	5,200	5,200	109.11	109.11	109.11		101.24								
		concession stands	0	1	1	0.00	0.02	0.02		0.02								
	restrooms	permanent	44	52	52	0.92	1.09	1.09	44	1.87								
		portable toilets	0	0	0	0.00	0.00	0.00	6	0.12								
Subtotal facility units			58,527	229,614	275,266	1,228.01	4,817.74	5,775.62	69,708	6,716.52								

Sources:
Recreation, Parks & Open Space Standards & Guidelines, National Recreation & Park Association (NRPA), 1983.
Washington State Interagency Committee for Outdoor Recreation (IAC), 2001.

**Appendix D: Land and facility demands
Burien Park, Recreation Open Space (PROS) Plan**

public and private facilities under “All total” and “Recommended additional” standard.

By comparison, Burien owns 364.5 acres of parkland or a ratio of 7.65 acres per every 1,000 city residents. All public and private agencies combined including the Highline School District, Port of Seattle, King County, and other public and private organizations own 960.2 acres or a ratio of 20.15 acres per 1,000 city residents.

Generally, all agencies and organizations combined provide a significant amount of land for park, recreation, and open space interests within the local area to satisfy most local and significant regional interests.

However, even though significant, the present allocation is not balanced between different types of park, recreation, and open space land requirements.

Select acquisitions of additional parkland to be described in following pages, may provide another 86.5 acres equal to a ratio of 20.38 acres per 1,000 residents by the year 2025. The resulting standard should be sufficient to provide for local needs and to conserve important regional attributes in the city.

Resource conservancies

Open space preservation or resource conservancies are designed to protect and manage a natural and/or cultural feature, environment or facility - such as a wetland or unique habitat, a natural landmark or a unique cultural setting. By definition, resource conservancies are defined by areas of natural quality for nature-oriented outdoor recreation, such as viewing and studying nature, wildlife habitat, and conservation.

Open space preservations or resource conservancies should be located to encompass diverse or unique natural resources, such as lakes, streams, marshes, flora, fauna, and topography. Recreational use may be a secondary, non-intrusive part of the property - such as an interpretative trail, viewpoint, exhibit signage, picnic area or other feature.

According to the NRPA, a suitable standard for resource conservancies is about 10.00 acres per every 1,000 residents. In practice, however, there are no minimum or maximum standards concerning conservancies - a site should provide whatever is necessary to protect the resource.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Acres			280.3	519.1	35.0
/1,000	10.00	Na	5.88	10.89	10.79

Burien presently provide 280.3 acres of open space and resource conservancies or a ratio of 5.88 acres per 1,000 city residents. All agencies combined, including the Port of Seattle and SeaTac, conserve 519.1 acres of resource lands or a ratio of 10.89 acres per 1,000 city residents adjacent to the Burien boundaries that and is accessible from the city.

The relatively high ratio includes Salmon Creek Ravine, Seahurst (Ed Munro) Park, Walker Wetlands, and North SeaTac Park. These extensive landholdings, however, do not entirely protect sensitive and threatened wildlife habitat in the city and adjacent urban growth area - particularly the conservation of the riparian corridors along Salmon, Miller, and Walker Creeks and the shoreline along Puget Sound.

Consequently, the present supply (existing level-of-service (ELOS) standard) should be increased by another 35.0 acres to set-aside conservancy zones along Salmon, Miller, and Walker Creeks and Puget Sound shoreline corridors in the city especially if portions of these private landholdings are in jeopardy of development or in order to provide public access for proposed wildlife habitat and trail corridors.

Resource activities

Resource activities are defined by areas of natural or ornamental quality for outdoor recreation, such as picnicking, boating, fishing, swimming, camping, and local park trail uses. The site may also include play areas, such as playgrounds and open grassy play fields as long as these areas support the primary outdoor recreational features. The site should be contiguous to or encompassing natural resources including resource conservancies.

According to the NRPA, a suitable standard for resource conservancies is about 16.50 acres per every 1,000 residents. In practice, however, there are no minimum or maximum standards concerning conservancies - a site should provide whatever is necessary to protect the resource.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Acres			16.9	226.9	25.5
/1,000	16.50	Na	0.35	4.76	4.91

Burien presently provides 16.9 acres of resource activities or a ratio of 0.35 acres per 1,000 city residents including Arbor Lake, the Community Garden, and Salmon Creek Parks. All public and private agencies combined provide 226.9 acres of resource conservancy or a ratio of 4.76 acres per 1,000 city residents including Camp Schoenwald, Rainier Golf & Country Club, and Glen Acres Country Club.

This relatively low ratio, however, does not account for the resource conservancy lands that are also used for picnicking, beach and shoreline access, trails, and other resource activities in Salmon Creek Ravine, Seahurst (Ed Munro), Eagle Landing, and North SeaTac Parks, among others.

Nor does the inventory account for resource oriented activities that are provided in nearby state and federal parks in the Cascade Mountains, Mount Rainier, or the Olympic Peninsula.

Resource oriented lands should be increased by an additional 25.5 acres including lands adjacent to Seola Park, Salmon Creek Ravine, and Walker Creek Wetlands to provide access for shoreline beaches, trail corridors, picnic, and interpretive sites.

Linear trails

Linear trails are built or natural corridors, such as abandoned or surplus railroad lines, undeveloped road-rights-of-way, and active utility rights-of-way or natural areas defined by drainage features, topographical changes, wooded areas or vegetation patterns that can link schools, libraries, or commercial areas with parks.

Generally, linear trails may be developed for multiple modes of recreational travel such as hiking, biking or horseback riding. The trail system may parallel established vehicular or other transportation systems, but apart from and usually within a separate right-of-way. Linear trail corridors may also include active play areas or trailhead development located in other types of parkland.

Trail systems should be anchored by public facilities, like a school or park that may serve as a destination or trailhead, and extend into the surrounding residential areas using natural features or established roads, sidewalks or other safe travel corridors.

Ideally, a minimum trail system should be at least 3-5 miles long and provide the ability to loop back to the point of origin. The trail should be sufficiently wide enough to provide for the type of trail user(s) that it is accommodating, preserve the features through which the trail is traveling, and buffer adjacent land use activities.

According to the NRPA, a suitable standard for linear park trails is about 0.5 miles of hiking and jogging trail and 0.5 miles of separate biking trail per 1,000 residents. The equivalent acreage would be 4.85 acres of linear park trail facility units per 1,000 residents if the different types are provided within a combined multi-use corridor - assuming the trail is used primarily by local residents.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Acres			0.0	0.0	0.0
/1,000	4.85	Na	0.00	0.00	0.00

Burien as well as other nearby public agencies do not presently provide any dedicated acres of linear trail corridor per 1,000 city residents. The Port of Seattle, SeaTac, and Des Moines, however, are currently developing portions of the Lake to Sound Trail which will extend from Renton and Tukwila southwest into SeaTac and then along the Miller Creek corridor alongside Burien to connect to the Des Moines Trail and access to Puget Sound.

However, additional community trail corridors should be developed that extend across the city connecting other resource conservancies and parks, significant shorelines and waterfront, schools, and other community facilities with each other as well as the Lake to Sound Trail opportunity.

These trail proposals, however, can be accommodated in public and some privately owned critical area conservancies and rights-of-way and may not require the acquisition of additional lands in order to provide trail corridor connections between existing park trail and greenway corridors and other destinations across the city.

Athletic fields and playgrounds

Athletic fields and playgrounds are designed for intense recreational activities like field and court games, playground apparatus areas, picnicking, wading pools, and the like. A suitable athletic field and playground site should be capable of sustaining intense recreational development. The site should be easily accessible to the using population and ideally should be linked to the surrounding area by walking and biking trails and paths. Typically, athletic fields and playgrounds may be included within or jointly developed in association with an elementary, middle or high school facility.

The desired service area for an athletic field or playground complex depends on the competitive quality to which the facility is developed and the resident using population that the site is intended to serve. Regionally oriented athletic sites may include 4 or more competitive, high quality soccer, baseball or softball fields serving organized leagues drawn from surrounding communities or areas - which may include the approximate service area for a high school.

Local (community or neighborhood) oriented athletic fields and playgrounds may consist primarily of a playground and a grassy play area, possibly including 1 or more practice or non-regulation athletic fields. Local athletic fields and playgrounds serve residents of an immediately surrounding residential area from a quarter to half-mile radius - the service area for an elementary school.

According to the NRPA, a suitable standard for athletic fields and playgrounds is 3.10 acres per 1,000 residents.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Acres			57.9	188.8	22.0
/1,000	3.10	Na	1.21	3.96	4.10

Burien presently provides 57.9 acres or a ratio of 1.21 acres per 1,000 city residents of athletic fields and playgrounds. All public and private agencies combined currently provide 188.8 acres or a ratio of 3.96 acres per 1,000 city residents.

The total supply of athletic field and playground land in the city is significant and includes school district fields which are being

developed and operated for a system of regional regulation fields that support competition games and practices.

However, the existing sites are not evenly distributed in the north and south portions of the city that serve residents of these neighborhoods. Nor are some existing regulation or competition fields developed and improved with irrigation, drainage, turf, lighting, and other features to maximize field capacity.

Consequently, 22.0 acres of additional property should be acquired possibly including the surplus school properties at Manhattan School Learning Center, New Start High School, and Cedarcrest Elementary School to conserve existing playgrounds and some recreational courts and fields as itemized in the facility section to improve the availability and capacity of fields at existing sites.

Recreation centers/pools

Recreation centers and pools are indoor and outdoor facilities providing swimming pools, physical conditioning, gymnasiums, arts and crafts, classrooms, meeting rooms, kitchen facilities, and other spaces to support public recreation programs for school-age children (but not students), teens, senior, and other resident populations on a full-time basis. For the purposes of this PROS Plan, recreation centers and pools are defined to include all city, county, school-owned, non-profit, and private facilities that are available for public use.

The desired service area for a recreation center/pool depends on the extent of the recreational program services to be offered in the facility and the building's potential size and site relationships. Community oriented recreation centers may include a variety of competitive swimming pools, gymnasiums or courts along with/or in place of a series of public classroom and meeting facilities, a teen and/or senior center and/or a daycare facility providing indoor building space.

And/or a community oriented recreation center may be jointly sited with an athletic park or playground, or in association with a library, civic center or other public meeting facility. Community oriented recreation centers may be jointly shared with school districts or a part of other city or county building complexes that serve a city or larger surrounding community area.

Local recreation centers may consist primarily of a single facility use - like a classroom or gymnasium complex and/or that may be sited as a lone building oriented to a single user group - like a teen or senior center. Local recreation centers serve residents of an immediately surrounding residential area from a quarter to half-mile radius - which is the approximate service area for an elementary school.

There are no NRPA standards for recreation centers or other indoor facilities.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Acres			8.1	23.1	4.0
/1,000	Na	Na	0.17	0.48	0.53

Burien presently provides 8.1 acres or a ratio of 0.17 acres per 1,000 city residents consisting primarily of the Community Center in the former King County Library and the Annex in the former surplus elementary school. All public and private agencies combined provide 23.1 acres or a ratio of 0.48 acres per 1,000 city residents, not including in this category all elementary, middle, and high school facilities.

The existing level-of-service would likely meet recreation center objectives were the inventory to include indoor space provided by the school district. However, school facilities are not available for use during school hours to meet the needs of seniors, parents, or pre-school children.

Future plans include the redevelopment of the aging Annex elementary school complex for a new consolidated community center that would include an aquatics facility, recreation center, and multipurpose classrooms for youth, teen, and senior uses to provide for day-time usage accordingly.

In addition, this plan proposes the possibility of the city and/or a nonprofit agent acquiring the 4.0 acres of the surplus Cedarcrest Elementary School once Highline School District remodeling projects have been completed possibly for use for the Highline Little Theater as well as other nonprofit tenants.

Special use facilities

Special use facilities are single-purpose recreational activities like arboreta, display gardens, nature centers, golf courses, marinas, zoos, conservatories, arenas, outdoor theaters,

and gun and archery ranges. Special use facilities may include areas that preserve, maintain, and interpret buildings, sites, and other objects of historical or cultural significance, like museums, historical landmarks, and structures. Special use areas may also include public plazas or squares or commons in or near commercial centers or public buildings.

There are no standards concerning the development of special use facilities - demand being defined by opportunity more than a ratio standard. Nor are there minimum or maximum facility or site sizes - size being a function of the facility rather than a separately established design standard.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Acres			1.3	2.3	0.0
/1,000	Na	Na	0.03	0.05	0.04

Burien presently provides 1.3 acres or a ratio of 0.03 acres per 1,000 city residents consisting of Des Moines Memorial Park, Town Square Park, and Triangle Park. All public and private agencies combined provide 2.3 acres or a ratio of 0.05 acres per 1,000 city residents when Hiline Bowling Alley is included.

Civic activities and special events staging needs determine the demand for this type of special public facility. Generally, this special need is presently accommodated in the city though the Veterans Memorial may be expanded in a special plaza development in North SeaTac Park by SeaTac and Burien outside of city boundaries.

User fees and other special interest population revenues generally determine the demand for private facilities. Therefore, any increase in the land to be provided private facilities will be determined by market conditions or strategic opportunities.

Support facilities

Support facilities include administrative office space, indoor meeting rooms, shop and equipment maintenance yards, plant nurseries, and other buildings and sites necessary to service the park system that are located outside of park properties.

There are no standards concerning the development of support use facilities - demand being defined by functional operating requirements more than a ratio standard. Nor

are there minimum or maximum facility or site sizes - size being a function of the type of facility space required and whether the facility space is shared with other jurisdiction support functions rather than a separately established design standard.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Acres			0.0	0.0	0.0
/1,000	Na	Na	0.00	0.00	0.00

Burien provides park supporting facilities including administrative offices in portions of the Community Center at the former King County Library building and in the Annex. Parks facility and grounds operations are housed in the city's Public Works Yard. These facilities and sites are included in the larger Burien property holdings and are not separately itemized here. No other public or private agency provides supporting facilities within the city area.

The current arrangements are sufficient for administrative offices particularly when the Annex is redeveloped for a consolidated new Community Center. Parks grounds operations are also sufficiently provided in the city's Public Works Yard.

D.2 Facility requirements

Wildlife habitat

There is no behavioral data with which the participation model can project wildlife habitat improvement - meaning specific plantings of native plants or creation of foraging or nesting areas for native wildlife species. The NRPA does not have a standard for wildlife habitat.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Sites			0.2	0.2	2.4
/1,000	Na	Na	0.00	0.00	0.05

Burien provides resource conservancies including Salmon Creek Ravine, Seahurst (Ed Munro) and Eagle Landing Parks as well as Walker Creek Wetlands that are maintained to conserve native habitat and species.

While these sites are significant in conserving wildlife habitat, particularly threatened and endangered species, they do not create habitat for wildlife in backyard or urban park settings.

Portions of existing city parks contain shorelines, woodlands, and other natural areas

that should be improved with native plantings, foraging sites, nesting boxes or areas, and other features to improve urban wildlife habitat as described in the element plan maps and park specific proposals.

Community gardens

There is no behavioral data with which the participation model can project community garden or pea patch requirements - meaning specific areas set aside for the planting of ornamental and vegetable plots. The NRPA does not have a standard for community gardens.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Sites			0.2	0.2	2.4
/1,000	Na	Na	0.00	0.00	0.05

Burien currently provides a community garden plot adjacent to the Annex that is maintained by volunteers. No other public or private agency provides a similar garden or pea patch opportunity in the city or local area.

Portions of existing city parks contain suitable areas that should be improved by volunteers for vegetable and ornamental plantings as described in the element plan maps and park specific proposals.

Waterfront access

There is no behavioral data with which the participation model can project waterfront access requirements - meaning beach access for swimming purposes. The NRPA does not have a standard for waterfront access.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Sites			0	0	0
/1,000	Na	Na	0.00	0.00	0.00

Burien provides waterfront access at Seahurst (Ed Munro) and Eagle Landing Parks as well as Walker Creek Wetlands. These sites, however, are not provided lifeguards or other supervisory services.

These sites are adequate to provide access for fishing and informal wading activities but should not be designated for swimming or other activities that require supervision and safety measures or public reassurances.

Additional access sites should be provided through the proposed acquisitions at Seola, Salmon Creek Ravine, and Walker Creek

Wetlands Parks as noted in the resource land acquisition descriptions.

Kayaking and canoeing

There are no participation model standards for kayak or canoe hand-carry launch sites or facilities. The NRPA does not have a standard for kayaking facilities.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Sites			0	0	0
/1,000	Na	Na	0.00	0.00	0.00

Burien does not provide non-motorized or hand-carry craft (kayak or canoe) launch sites nor does any other public or private agency within the city.

The Cascade Marine Trail, a kayak and canoe journey that extends from British Columbia to south Puget Sound passes between Vashon Island and Burien as it progresses to Tacoma and Olympia. Seahurst (Ed Munro) Park could be designated as a put-in site in case of bad weather if not for overnight kayak camping.

Boating

There are no participation model standards for boat launch ramps, floating platforms or docks, and boat moorage slips. The NRPA does not have a standard for boating facilities.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Sites			0	0	0
/1,000	Na	Na	0.00	0.00	0.00

Burien does not provide launch ramps or transient moorage slips nor does any other public or private agency within the city. Transient moorage provided at the Des Moines marina south of Burien is likely sufficient to meet area boat launch needs.

Picnic tables and shelters

Participation model projections indicate public agencies should be providing a ratio of 1.77 picnic tables and benches of all types (open and under shelters) per every 1,000 residents then gradually decline to 1.67 as the population ages. The NRPA does not have a standard for picnic facilities.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Tables			181	181	36
/1,000	Na	1.77	3.80	3.80	4.22
Shelter			2	5	5
/1,000	Na	Na	0.04	0.10	0.19

Burien presently provides 181 picnic tables and benches or a ratio of 3.80 picnic tables and 2 picnic shelters or a ratio of 0.04 picnic shelters per 1,000 city residents. No other public or private agencies provide picnic tables though shelters are provided at Lakewood and North SeaTac Parks within the adjacent area.

In general, Burien facilities do not provide a sufficient number of tables with which to meet the requirements for local residents in a distributed pattern across the city, and off-set the demand created by regional and tourist users who frequent Seahurst (Ed Munro), Lakewood, and North SeaTac Parks during peak summer seasons. Nor are the tables and shelters equally distributed to provide access to this type of activity from day users of all residents in some of the city's largest and most popular parks and conservancy sites.

Consequently, another 36 picnic tables and 5 picnic shelters should be provided to meet future population growth, distribute facilities across the city, meet group facility user needs, and off-set tourist and resident demands.

Multipurpose bike and hike trails

Participation model projections indicate public agencies should be providing a ratio of 0.15 miles of walking or hiking trails and 0.30 miles of bicycling trails within a separated multipurpose trail corridor per every 1,000 city residents. The ratio will decline to 0.14 walking and 0.29 biking trails per 1,000 residents as the population ages into future years. The NRPA recommends a combination ratio of 0.50 miles walk and bike trail per 1,000 residents.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Miles			1.46	7.46	35.22
/1,000	0.50	0.13	0.03	0.15	0.84

Burien currently provides 1.46 miles of multipurpose trail consisting of the North and South Indian Trail around Three Tree Point or a ratio of 0.03 miles per 1,000 city residents. All public agencies combined including King County, SeaTac, and Des Moines provide 7.46

miles or a ratio of 0.15 miles per 1,000 city residents including the trails through North SeaTac Park and along Miller Creek as part of the Lake to Sound Trail system.

Multipurpose trails should provide access to environmental features in the city as well as access between neighborhoods, schools, business and employment areas, and regional destinations for recreational and commuting purposes. Regional residents and tourists use a significant portion of the existing North SeaTac and Lake to Sound Trail during peak summer seasons and will be frequent users of any city community trails if they are provided and connected to the North SeaTac Park and Lake to Sound Trail system.

Another 35.22 miles of multipurpose trails should be added to the Burien system to create a cross-city network and increase commuter access to local schools and business centers, and recreational access to parks and regional environmental resources of interest to local and regional residents as well as tourists alike.

The proposed trails should focus on connecting links between Salmon Creek, Seahurst (Ed Munro), Eagle Landing, the Indian Trails, and Miller Creek; as well as north on Miller Creek through the NERA site and north around and past the Rainier and Glen Acres golf courses.

Park trails

There are no participation standards for park or day hiking trails. The participation model projections indicate public agencies should be providing a ratio of 0.15 miles of park walking or day-hiking trails per every 1,000 residents during the 1990s declining to 0.14 miles in future years as the population ages. The NRPA recommends a ratio of 0.50 miles for park trails per 1,000 residents.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Miles			12.3	13.9	0.0
/1,000	0.50	0.14	0.26	0.29	0.27

Burien presently provides 12.3 miles or a ratio of 0.26 miles of day hiking trails per 1,000 city residents within city parks including trails at Salmon Creek, Seahurst (Ed Munro), Eagle Landing, and Walker Wetlands Parks. All public agencies combined provide 13.9 miles or a ratio of 0.29 miles of park or day hiking trails per 1,000 city residents within the immediate area

including trails in Lakewood and North SeaTac Parks.

Park trails are sufficiently provided within Burien parks and once connected with multipurpose trails between parks and other destinations should be sufficient to meet all day hiking needs.

Separately (and not included within this standard measurement), Burien should develop a network of on-road sidewalks and walkways between city parks, community facilities, and business districts, and to accommodate commuting school children between residential areas and local parks and school facilities.

On-road bicycle routes

Participation model projections indicate public agencies should be providing a ratio of 0.03 miles of designated and shoulder improved roadways per every 1,000 residents - assuming local roads provide routes with interesting viewpoints and other characteristics preferred by bike riding enthusiasts. The ratio should remain the same as the population ages into future years. The NRPA does not have a standard for bicycle touring.

Note - bicycle touring is a specialized form of bicycling activity and is not the same as bicycling on a trail or bicycling on a road for general recreational or commuter or other more functional purposes. Bicycle touring is usually accomplished by an organized group of cyclists on scenic roads or along scenic shoreline routes on designated road shoulders or sometimes in traffic on designated roadways.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Miles			2.39	2.39	35.92
/1,000	Na	0.03	0.05	0.05	0.75

Burien roadways provide 2.39 miles or a ratio of 0.05 miles per 1,000 city residents consisting of segments of on-road routes on Ambaum Boulevard and north Des Moines Memorial Drive. No other public agency presently provides specially marked road shoulders for bicycling on major commuter and recreational routes within the city or immediate area.

Bicycle user groups and commuting school children unofficially use roadways of various conditions and standards along the most scenic roadways or between residential neighborhoods and local parks and school facilities. Most of the

routes favored by enthusiasts and school children are gradually being improved and designated to correct inadequate pavements, shoulder widths, and other safety standard concerns using roadway improvement funds.

A significant volume of regional and tourist bicycle touring groups also use local roadways including Ambaum Boulevard and Des Moines Memorial Drive due to the city and area’s scenic beauty and relatively moderate traffic volumes.

The present supply should be expanded in accordance with Burien’s recently developed Non-motorized Transportation Plan (NMT) to include 35.92 miles of shoulders or in-lane designations along major commuting roadways to school and community facilities, business areas and employment centers for local residents, and along scenic routes to increase access and improve safety for local residents and tourists.

Off-leash dog parks

There are no participation model standards for off-leash dog parks or trails. These are new and unique recreational phenomenon with no established standards.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Sites			0	0	0
/1,000	Na	Na	0.00	0.00	0.00

Burien does not presently provide designated off-leash dog parks per 1,000 city residents although it does participate with other local cities in the South King County dog park at Grandview Park.

Off-leash dog parks are unique facilities reserved exclusively for pet exercise, training, and social interaction. Generally, such facilities cannot be shared with other park activities. Off-leash dog trails may be shared with limited other trail activities if the volumes are relatively low and the animals are well trained.

Off-leash dog parks and trails are a growing phenomenon on a regional scale. However, the current South King County multi-cities arrangement at Grandview Park should be sufficient to meet regional needs for a dedicated dog park facility.

Separately, Burien may consider designating some portions of park trails for shared off-leash

dog use where shared use will not detract from other users or create hazards between dogs.

Playgrounds

The participation model projections indicate public agencies should be providing a ratio of 0.60 playgrounds of all types per every 1,000 residents during the 1990s then gradually decline to 0.53 playgrounds as the population ages. The NRPA does not have a standard for playgrounds.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Sites			12	25	0
/1,000	Na	0.53	0.25	0.53	0.49

Burien presently provides 12 playgrounds or a ratio of 0.25 playgrounds per 1,000 city residents. All public and private agencies combined provide 25 covered and uncovered playgrounds or a ratio of 0.53 playgrounds per 1,000 residents not including open grassy play areas.

All public and private agency facilities combined provide a significant inventory to provide for playground activities assuming most users are local residents. The present supply is also evenly distributed to provide equal access to all city neighborhood areas.

Existing playgrounds and play areas should be sufficient to provide future populations access to this activity across the city assuming school playgrounds are publicly accessible and the city continues to upgrade older equipment.

Skateboard courts

There are no participation model standards for skateboard courts or skate dots or climbing walls - or similar roller-blade or in-line skating activities. These are recent recreational phenomenon with no established service standards.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Courts			1	1	9
/1,000	Na	Na	0.02	0.02	0.20

Burien currently provides the skateboard court at the Annex or a ratio of 0.02 courts per 1,000 city residents. No other public or private agency provides skateboard courts or fixtures including practice ramps, rails, and other equipment in the immediate area.

The demand for these facilities will increase to meet the needs of younger age residents for beginner, experienced, and some competitive or advanced activities at locations distributed across the city and adjacent to developed areas where skateboarders are now using unauthorized public and private properties for this activity.

At least 9 skateboard fixtures or ramps or “skate dots” should be installed across the city in parks and other neighborhood accessible locations to provide access to these activities across the city especially for younger, less skilled skateboarders.

Outdoor basketball courts

Participation model projections indicate public agencies should be providing a ratio of 0.10 basketball of all types per every 1,000 residents during the 1990s and then gradually decline to a ratio of 0.09 as the population ages. The NRPA recommends a standard of 0.30 courts per 1,000 residents.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Courts			4.5	11.0	2.0
/1,000	0.30	0.09	0.09	0.23	0.26

Burien presently provides 4.5 courts or a ratio of 0.09 courts in parks per 1,000 city residents. All public and private agencies combined provide 11.0 covered and uncovered courts or a ratio of 0.23 courts per 1,000 residents mostly on school grounds.

These facilities are distributed at parks and school sites within established neighborhoods, but not evenly distributed across the city or within the park system. Another 2.0 courts should be added to the system to provide facilities for future populations in the city at major athletic parks with group picnic and athletic field activities.

Tennis courts - in/outdoor

Participation model projections indicate public agencies should be providing a ratio of 0.24 tennis courts per every 1,000 residents during the 1990s then gradually decline to 0.22 as the population ages. The NRPA recommends a ratio of 0.50 outdoor courts per 1,000 residents.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Courts			2	25	2
/1,000	0.50	0.22	0.04	0.52	0.53

Burien presently provides 2 tennis courts (not including the deteriorated courts at Southern Heights Park) or a ratio of 0.04 outdoor tennis courts per 1,000 city residents. All public and private agencies combined provide 25 courts or a ratio of 0.52 outdoor tennis courts per 1,000 residents.

A significant part of the inventory includes courts at private swim and tennis clubs, and golf courses and country clubs that are not accessible to the public.

In general, existing facilities do not quite meet tennis court needs for local residents and school children. Another 2 outdoor courts should be added at a public park in the south end of the city to meet existing and future population growth requirements in the city.

Soccer fields

Participation model projections indicate public agencies should be providing a ratio of 0.32 soccer fields of all types (youth or practice and regulation sized) per every 1,000 residents during the 1990s then gradually decline to 0.29 as the population ages. The NRPA recommends a ratio of 0.10 fields per 1,000 residents.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Youth			0	1	4
/1,000	Na	Na	0.00	0.02	0.10
Adult			4	18	1
/1,000	0.10	0.29	0.08	0.37	0.37

Burien presently provides 4 adult or regulation fields or a ratio of 0.08 adult regulation fields per 1,000 city residents but no practice or youth fields. All public and private agencies combined provide 1 youth field or a ratio of 0.02 youth fields and 18 adult or regulation fields or a ratio of 0.37 adult or regulation fields per 1,000 city residents.

The number of youth or practice fields should be increased by 4 more fields at Salmon Creek, Hilltop, Puget Sound, and Lake Burien School Memorial Parks to provide for soccer clinics, practice sessions, and even youth games to reduce demand on the adult or regulation size fields.

The number of adult or regulation fields could be increased if the city were to enter into a use agreement with the Washington State Criminal Justice Training Commission’s (WACJTC) Burien

Law Enforcement Academy (BLEA) for public access to the campus football/soccer field.

Other existing adult or competition fields should be improved with irrigation, lighting, and possibly on some fields - synthetic turf to meet local and regional competition needs.

Baseball/softball fields

Participation model projections indicate public agencies should be providing a ratio of 0.53 baseball and softball fields of all types (adult, bronco, and little league practice and regulation) per every 1,000 residents during the 1990s then gradually decline to 0.49 as the population ages. The NRPA recommends a ratio of 0.40 fields per 1,000 residents.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Youth			0	1	3
/1,000	Na	Na	0.00	0.02	0.08
Adult			5	29	0
/1,000	0.40	0.49	0.10	0.60	0.57

Burien presently provides 5 regulation fields or a ratio of 0.10 regulation fields (200 foot and over outfield) but no practice (under 200 foot outfield) fields per 1,000 city residents. All public and private agencies combined provide 1 youth or practice field under 200 feet outfields or a ratio of 0.02 fields and 29 or a ratio of 0.54 regulation youth and adult softball and baseball fields (200-300 foot+ outfield) per 1,000 city residents.

The supply of youth or practice fields should be increased by 3 to include backstops at Salmon Creek, Hilltop, and Manhattan School Parks to provide sites for youth clinics, practice sessions, and even T-ball games to reduce demand on regulation fields. The supply of regulation fields should be sufficient if the youth fields reduce demand for games and if the regulation fields are improved to provide maximum capacity during peak season game and practice demand periods with irrigation, lighting, and possibly on some fields - synthetic turf.

Swimming pool

Participation model projections indicate public agencies should be providing a ratio of 541 square feet of swimming pool area per every 1,000 residents declining to 503 square feet as the population ages. The NRPA recommends a standard of 0.05 swimming pool facility (facility not sized) per 1,000 residents.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
sq ft			0	17200	8000
/1,000	0.05	503	0.00	361	491

Burien does not presently provide indoor or outdoor swimming pool facilities. All other public and private agencies combined provide 17,200 square feet or a ration of 361 square feet of indoor and outdoor swimming pool facilities within or adjacent to the city.

The existing inventory, however, includes a number of private swim clubs, athletic clubs, golf course and country club, and YMCA pools that are not accessible to the general public. Only Evergreen Aquatic, the former Forward Thrust Pool, at Lakewood Park is open to the public.

The proposed aquatic component including the lap and leisure pool elements should be developed in the Burien Community Center at the Annex site to meet public needs for instruction, athletic competition, and family swim activities by all city residents.

Indoor recreation centers

There are no comparable participation model data with which to project demand for indoor recreation center facilities. The NRPA does not have a recreation center standard.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
gym			0	152000	36000
/1,000	Na	Na	0.00	3189	3660
condtn			0	4400	4000
/1,000	Na	Na	0.00	92	164

Burien does not presently provide gymnasium or physical conditioning facilities. All other public and private agencies combined provide 152,000 square feet of gymnasium facilities or a ratio of 3,189.0 square feet of gym and 4,400 square feet of physical conditioning or a ratio of 92.0 square feet of physical conditioning facilities per 1,000 city residents.

Most of this inventory is provided in public or private schools that are undersized and not available for use by the public during daytime and most evening hours, or at the Highline Athletic Club or YMCA that require membership dues and user fees.

The existing facilities are not sufficient to provide public access to recreational facilities

by retired persons, at-home mothers, or workers during school hours or events now or for future population projections - or for the public at-large in lieu of membership dues and fees.

The existing inventory should be increased by another 36,000 square feet of youth oriented gymnasiums at New Start and Manhattan Learning Center and 12,000 square feet of regulation gym and 4,000 square feet of dedicated physical conditioning space in the proposed all-age Community Center at the Annex site to provide for adult daytime and combination youth and adult evening activities.

Indoor community centers

There are no comparable participation model data with which to project demand for public indoor community center facilities. The NRPA does not have a community center standard.

sq ft	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
arts			13200	14200	2000
/1,000	Na	Na	277	298	315
meet			20200	26800	0
/1,000	Na	Na	424	562	522
audit			7755	33755	4000
/1,000	Na	Na	162	708	735

Burien currently provides 13,200 square feet of arts and crafts at Moshier Arts Center (a former King County Public Works shop building) or a ratio of 277 square feet of arts center and 20,200 square feet of general purpose meeting rooms or a ratio of 424 square feet of meeting room and 7,755 square feet of large meeting, banquet, auditorium, or theater space or a ratio of 162 square feet per 1,000 city residents.

All public and private agencies combined provide 14,200 square feet of arts or a ratio of 298 square feet of arts and 26,800 square feet of general purpose meeting rooms or a ratio of 562 square feet of meeting room and 33,755 square feet of auditorium or theater space or a ratio of 708 square feet of large meeting rooms per 1,000 city residents.

The inventory includes some public and private schools, fire district, library, city hall, and other facilities - but not all church, motel, restaurant, and other public and private facilities that are available for this use for a fee or membership. The inventory does not include the general purpose class and meeting rooms at the schools that are not available for public use during

evening hours for preschool, seniors, or other at-home family members.

The present supply should be increased by 2,000 square feet of dedicated arts and crafts work, exhibition, and office space at Moshier Arts Center and a 4,000 square foot multipurpose meeting room at the proposed Community Center at the Annex site.

In addition, Burien should also work with the school district, community organizations, churches, motels, and restaurants to publicize and coordinate scheduling to make the full potential inventory of general purpose class and meeting rooms available and effective for public use.

Burien should also work with Highline Little Theater to find a small 250 seat theater space to accommodate community theater productions when the current converted elementary school gymnasium at the Annex is demolished to make way for the new Burien Community Center.

Teen and senior centers

There are no comparable participation model data with which to project demand for daycare, teen, and senior center facilities. The NRPA does not have a community center standard.

sq ft	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Child			0	0	2000
/1,000	Na	Na	0	0	39
Teen			0	0	2000
/1,000	Na	Na	0	0	39
Senior			0	0	2000
/1,000	Na	Na	0	0	39

Burien does not provide child, teen, or senior center activities in dedicated facilities. The city does provide child and teen programming in the general purpose meeting rooms at the existing Community Center in the former King County library - and Burien Cooperative Preschool, a nonprofit, operates out of rented space in the Annex.

Dedicated space should be provided in the proposed new Burien Community Center at the Annex site including 2,000 square feet rooms each for child, teen, and senior activities.

In addition, the city should work with the existing nonprofit tenants in the Annex, including Para Los Ninos, to find space in other facilities when the current Annex buildings are

demolished to make way for the new Community Center.

Interpretive centers

There are no comparable participation model data with which to project demand for nature or interpretive center facilities. The NRPA does not have a standard for museums and nature centers.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
sq ft			0	3000	0
/1,000	Na	Na	0	63	58

Burien does not presently provide nature interpretive centers or exhibits though Highline School District operates the Marine Tech Lab and the nonprofit Environmental Science Center operates a facility on leased land from the city in Seahurst (Ed Munro) Park.

These operations are significant assets to the city and provide sufficient interpretive space, instruction, and other displays to meet local needs.

Golf course

Participation model projections indicate public agencies should be providing a ratio of 0.41 holes of golf and related facilities per every 1,000 residents increasing to 0.43 holes as the population ages. The NRPA standard is 0.13 holes per 1,000 residents.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
Holes			0	27	0
/1,000	0.13	0.43	0.00	0.57	0.53

Burien does not provide golf course or driving ranges. All private agencies combined provide 27 holes or a ratio of 0.57 golf course holes per 1,000 city residents.

These facilities appear to meet city and regional resident needs. Consequently, the present market arrangement is sufficient to provide the golfing needs for city residents.

Support facilities

There are no participation model standards with which to project supporting administrative office, equipment and shop maintenance yards, plant nursery or even park restroom requirements. The NRPA does not have a standard for park supporting facilities.

	Standards		Existing supply		Rcmd
	NRPA	RCO	Burien	Total	Addn
admin			11500	11500	5000
/1,000	Na	Na	241	241	321
restrm			44	52	50
/1,000	Na	Na	0.92	1.09	1.99

Burien presently provides 11,500 square feet of administrative office space or a ratio of 241 square feet of administrative offices and 44 restroom fixtures or a ratio of 0.92 fixtures per 1,000 city residents - park maintenance facilities are provided as part of the city's Public Works Yard. No other public agencies provide administrative space but Lakewood Park and North SeaTac Park provide 8 additional restroom fixtures or a ratio of 1.09 restroom fixtures or portables per 1,000 residents.

Burien's administrative office space in the Annex will be replaced by new office space in the Community Center when the Annex is demolished. Some administrative office space in the present Community Center at the Library may be consolidated in the new facility depending on the future disposition of the library facility.

Another 44 permanent restroom fixtures and 6 portables should be added to major parks to provide a distribution of restroom facilities among city parks and meet the needs of local neighborhood residents.

D.3 Future growth implications

The Washington State Office of Financial Management (OFM) and the Burien Community Development Department expect the population of the city within currently annexed boundaries will increase from 47,660 persons in 2010 to an estimated 51,362 persons by the year 2025 - or by 3,702 or 7.8% more persons. The population total could increase further if the city annex's additional lands to the north of the current city boundary.

This forecasted population increase will create significant requirements for all types of park, recreation, and open space lands and facilities in the city.

The population forecasts do not include expected increases in regional tourists and users who also frequent city parks, recreational facilities, trails, and open spaces. Nor do the forecasts account for rising fuel costs and the impact increased transportation costs may have

in limiting recreational activities to local rather than out-of-area facilities.

Burien/Burien ELOS value

	2011 supply	value
Land acres	364.5	\$ 44,580,500
Facility units	58,527	29,890,866
Total		\$ 74,471,366
/capita		\$ 1,562
/household*		\$ 3,891

* Household of 2.49 persons per unit

Burien/Burien ELOS (existing level-of-service) requirement 2008-2025

	2011 supply	2025 deficit	2025 cost
Land acres	364.5	28.3	\$ 3,462,799
Facility units	58,527	4,546	\$ 2,321,779
Total cost			\$ 5,784,578

Under the existing level-of-service (ELOS) for Burien-owned park land and facilities in the city, the forecasted population increase will create a city-wide need for an additional 28.3 acres of land and 4,546 facility units (square feet, courts, fields, etc.) by the year 2025.

The continuation of the city's existing level-of-service (ELOS) could require an expenditure of \$5,784,578 by the year 2025 simply to remain current with present standards - not accounting for any maintenance, operation or repair costs.

The approximate cost of sustaining the city's existing level-of-service (ELOS) standard would be equal to about \$1,562 per every new person added to the city's population or about \$3,891 for every new housing unit. **This assumes Burien would continue to maintain the same ratio of parklands and facilities for the future population that the city has in the past.**

Composite PLOS (proposed level-of-service) requirement 2012-2025

	2011 supply	2025 addns	2025 cost
Land acres	364.5	86.5	\$6,125,000
Facility units	58,527	69,708	\$42,731,019
Total cost			\$48,856,019
Burien cost			\$32,974,675
Burien %			67%

Under the composite agencies proposed level-of-service (PLOS) for all public and privately-owned park land and facilities in the city, the forecasted population increase will create a city-wide proposal for an additional 86.5 acres of

land and 69,708 facility units (square feet, courts, fields, etc.) by the year 2025. **This assumes these agencies would supplement the existing inventory as described within this chapter rather than simply extending the same ratios into the future.**

The realization of the composite agencies proposed level-of-service (PLOS) for the city could require a total of \$48,856,019 by the year 2025 - not accounting for any maintenance, operation or repair costs. **Based on the project proposals described in the plan chapters, Burien's park, recreation, and open space share of the cost would be \$32,974,675 or 67%.**

Built encroachments

However, if these proposals are not realized soon the present trend of increasing developments may:

- **encroach upon** - or preclude the preservation and public accessibility of the more sensitive and appealing environmental sites, particularly those proposed for cross city trail corridors and additional sensitive land preservations along riparian corridors and shorelines, and
- **develop** - or otherwise preclude the purchase and development of close-in, suitable lands for playgrounds, picnic shelters, waterfront access, and other neighborhood facilities.

Forcing city residents to:

- **use crowded** - picnic areas, and hike and bike on crowded trails,
- **commute to play** - at overcrowded existing facilities in the city and/or organized athletic programs may have to be reduced for local youth, and
- **commute to use** - available facilities in other jurisdictions parks and/or programs may have to be curtailed to prevent severe overcrowding conditions in the facilities that do provide such services.

Such actions would be to the detriment of city residents who have paid the costs of developing and operating these facilities.

Financial implications

These levels of facility investment may not be solely financed with the resources available to Burien if the city pursues an independent delivery approach or uses traditional methods of funding. Burien will not be financially able to develop, manage, and maintain a

comprehensive, independent park, recreation, and open space system using only traditional financing methods in light of the needs projected.

These needs require a city-wide financing approach by Burien and where appropriate in partnership with Highline School District, as well as possible nonprofit or for-profit partners. A city-wide approach may use a combination of shared user fees, excise taxes, joint grant applications, impact fees, and voter approved property tax levies to maintain and improve facilities in the face of continued city population increases.

Existing level-of-service (ELOS) requirements for city facilities

		Population in development Population in city 2010 Population in city 2025		2011 ELOS fclty total standard /1000		Year 2025 facility rqmnt deficit		Facility cost /unit	Project/ per capita fee	Year 2025 funding deficit
	land	resource conservancy	acres	280.3	5.88	302.1	21.8	\$75,000	\$441.16	\$1,633,160
		resource activities	acres	16.9	0.35	18.2	1.3	\$200,000	\$70.79	\$262,076
		linear trails	acres		0.00	0.0	0.0	\$250,000	\$0.00	\$0
		athletic fields/playgrounds	acres	57.9	1.22	62.4	4.5	\$300,000	\$364.65	\$1,349,917
		recreation centers/pools	acres	8.1	0.17	8.7	0.6	\$300,000	\$50.86	\$188,285
		special use facilities	acres	1.3	0.03	1.4	0.1	\$300,000	\$7.93	\$29,361
		support facilities/yards/build	acres		0.00	0.0	0.0	\$250,000	\$0.00	\$0
Subtotal for land impact				364.5	7.65	392.8	28.3		\$935.39	\$3,462,799
Facilities										
0	wildlife habitat	nature	acre		0.00	0	0	\$5,000	\$0.00	\$0
	gardens	nature	acre	0.2	0.00	0	0	\$5,000	\$0.02	\$78
4	picnic	benches	bench	110	2.31	119	9	\$13,532	\$31.23	\$115,621
		tables w/o shelter	table	71	1.49	77	6	\$13,532	\$20.16	\$74,628
		shelters-group use	shelter	2	0.04	2	0	\$38,555	\$1.62	\$5,990
6	multipurpose trail	asphalt trail	mile		0.00	0.0	0.0	\$212,960	\$0.00	\$0
		gravel/dirt trail	mile	1.46	0.03	1.6	0.1	\$133,216	\$4.08	\$15,107
8	park trail	concrete/asphalt trail	mile	4.1	0.09	4.4	0.3	\$212,960	\$18.32	\$67,821
		gravel/dirt trail	mile	8.2	0.17	8.8	0.6	\$133,216	\$22.81	\$84,436
9	bike on-road	on-road w/shoulder	mile	2.39	0.05	2.6	0.2	\$252,587	\$12.67	\$46,891
		on-road designated only	mile		0.00	0.0	0.0	\$19,667	\$0.00	\$0
10	bike off-road	BMX course	mile		0.00	0.0	0.0	\$188,306	\$0.00	\$0
	park trail	asphalt trail	mile		0.00	0.0	0.0	\$188,306	\$0.00	\$0
		gravel/dirt trail	mile		0.00	0.0	0.0	\$133,216	\$0.00	\$0
	daybiking	asphalt trail	mile		0.00	0.0	0.0	\$188,306	\$0.00	\$0
		gravel/dirt trail	mile		0.00	0.0	0.0	\$133,216	\$0.00	\$0
	backcountry	dirt trail	mile		0.00	0.0	0.0	\$58,294	\$0.00	\$0
12	dog trail	off-leash parks	acre		0.00	0	0	\$10,000	\$0.00	\$0
		off-leash trails	mile		0.00	0	0	\$5,517	\$0.00	\$0
13	playground	covered	each		0.00	0	0	\$125,000	\$0.00	\$0
		uncovered	each	12	0.25	13	1	\$94,842	\$23.88	\$88,402
	play area	improved	acre		0.00	0.0	0.0	\$97,054	\$0.00	\$0
14	skateboard	skateboard court	court	1	0.02	1	0	\$100,000	\$2.10	\$7,768
16	basketball	outdoor covered	court		0.00	0.0	0.0	\$98,462	\$0.00	\$0
		outdoor lighted	court		0.00	0	0	\$88,462	\$0.00	\$0
		outdoor uncovered	court	4.5	0.09	4.8	0.3	\$78,462	\$7.41	\$27,425
18	tennis	indoor	court		0.00	0	0	\$200,000	\$0.00	\$0
		outdoor lighted	court		0.00	0	0	\$161,453	\$0.00	\$0
		outdoor unlighted	court	2	0.04	2	0	\$95,552	\$4.01	\$14,844
20	field track	rubber surface	miles		0.00	0.00	0.00	\$85,168	\$0.00	\$0
		cinder surface	miles		0.00	0.00	0.00	\$42,584	\$0.00	\$0
21	football /rugby	turf lighted	field		0.00	0	0	\$1,200,000	\$0.00	\$0
		grass lighted	field		0.00	0	0	\$503,183	\$0.00	\$0
		grass unlighted	field		0.00	0	0	\$250,000	\$0.00	\$0
		practice field	field		0.00	0	0	\$100,000	\$0.00	\$0
22	soccer	indoor	field		0.00	0	0	\$1,500,000	\$0.00	\$0
		turf lighted	field		0.00	0	0	\$1,187,702	\$0.00	\$0
		grass lighted	field	2	0.04	2	0	\$760,837	\$31.93	\$118,196
		grass unlighted	field	2	0.04	2	0	\$380,419	\$15.96	\$59,098
		all weather	field		0.00	0	0	\$250,000	\$0.00	\$0
		youth	field		0.00	0	0	\$200,000	\$0.00	\$0
24	baseball	300+ grass lighted	field		0.00	0	0	\$677,632	\$0.00	\$0
		300+ grass unlighted	field	1	0.02	1	0	\$520,000	\$10.91	\$40,391
	base/softball	250+ grass lighted	field	4	0.08	4	0	\$647,527	\$54.35	\$201,187
		250+ grass unlighted	field		0.00	0	0	\$260,000	\$0.00	\$0
	baseball	200+ grass lighted	field		0.00	0	0	\$510,000	\$0.00	\$0
		200+ grass unlighted	field		0.00	0	0	\$207,248	\$0.00	\$0
		practice field	field		0.00	0	0	\$207,248	\$0.00	\$0
		batting cage	each		0.00	0	0	\$25,000	\$0.00	\$0
25	swim pool	indoor	sq ft		0.00	0	0	\$784	\$0.00	\$0
		outdoor	sq ft		0.00	0	0	\$525	\$0.00	\$0
		building elements	sq ft		0.00	0	0	\$250	\$0.00	\$0
27	rctn cntr	indoor gymnasium	sq ft		0.00	0	0	\$300	\$0.00	\$0
28		physical conditioning	sq ft		0.00	0	0	\$250	\$0.00	\$0
29		racquetball (1600 each/sf ft)	ea/sq ft		0.00	0	0	\$349,600	\$0.00	\$0
		handball (1200 sf)	ea/sq ft		0.00	0	0	\$225,000	\$0.00	\$0
30	comty cntr	arts/crafts/classrooms	sq ft	13,200	276.96	14,225	1,025	\$300	\$83.09	\$307,594
31		meeting facilities	sq ft	20,200	423.84	21,769	1,569	\$300	\$127.15	\$470,712
32		large meeting	sq ft	2,900	60.85	3,125	225	\$400	\$24.34	\$90,103
32		theater/auditorium	sq ft	4,855	101.87	5,232	377	\$500	\$50.93	\$188,557
33		kitchen facilities	sq ft	400	8.39	431	31	\$400	\$3.36	\$12,428
34		dining facilities	sq ft		0.00	0	0	\$250	\$0.00	\$0
35	child cntr	daycare/childcare	sq ft		0.00	0	0	\$250	\$0.00	\$0
		pre/after-school	sq ft		0.00	0	0	\$250	\$0.00	\$0
36	special	teen center	sq ft		0.00	0	0	\$350	\$0.00	\$0
		senior center	sq ft		0.00	0	0	\$250	\$0.00	\$0
40	operations	admin facilities	sq ft	11,500	241.29	12,393	893	\$250	\$60.32	\$223,316
		maintenance fclties	sq ft		0.00	0	0	\$120	\$0.00	\$0

		2011 ELOS	standard	Year 2025		Facility	Project/	Year 2025
	units	fclty	/1000	facility	deficit	cost	per capita	funding
		total		rqmnt		/unit	fee	deficit
shop yard	sq ft		0.00	0	0	\$15	\$0.00	\$0
caretaker	ea/sq ft	5,200	109.11	5,604	404	\$150	\$16.37	\$60,586.66
concession stands	sq ft		0.00	0	0	\$40	\$0.00	\$0.00
restrooms permanent	fixture	44	0.92	47	3	\$175	\$0.16	\$598
restrooms temporary/sanican	each		0.00	0	0	\$1,000	\$0.00	\$0
Subtotal for facility impact		58,527	1,228.01	63,073	4,546		\$627.17	\$2,321,779
Total impact for land and facilities - per capita							\$1,562.55	\$5,784,578
Total impact for land and facilities - persons/household of				2.49			\$3,890.76	
Total value of existing park lands								\$44,580,500
Total value of existing park facilities								\$29,890,866
Total value of existing park lands and facilities								\$74,471,366

Proposed composite level-of-service (PLOS) additions - 2011-2025

			units	PLOS facility addtn	Facility cost /unit	PLOS funding required	Burien fundin share	Burien funding required	Comments	
a	land	resource conservancies	acres		\$15,000	\$0	0%	\$0	Miller Creek NERA	Port
			acres		\$15,000	\$0	100%	\$0	Miller Creek NERA South	Port
			acres	na	\$15,000	\$0	0%	\$0	Marginal Way HillSides North	
			acres	na	\$15,000	\$0	0%	\$0	SR-509 HillSides North	
			acres	na	\$15,000	\$0	0%	\$0	Lakewood Park Extensions	Seattle
			acres	5.0	\$15,000	\$75,000	100%	\$75,000	Salmon Creek/Seola Extensions	
			acres	5.0	\$15,000	\$75,000	100%	\$75,000	Seola Park Extensions	within
			acres	10.0	\$15,000	\$75,000	100%	\$75,000	Salmon Creek/Seahurst Linkage	
			acres	10.0	\$15,000	\$75,000	100%	\$75,000	Unnamed Creek Corridor/Eagle Landing	
			acres	5.0	\$15,000	\$75,000	100%	\$75,000	Walker Creek Extension	
b		resource activities	acres	0.5	\$100,000	\$50,000	100%	\$50,000	Seola Park Waterfront	
			acres	5.0	\$100,000	\$500,000	100%	\$500,000	Salmon Ravine Park Waterfront	
			acres	10.0	\$100,000	\$1,000,000	100%	\$1,000,000	Walker Wetlands	
			acres	10.0	\$100,000	\$1,000,000	0%	\$0	Tub Lake	SeaTac
c		linear trails - 40 ft wide	acres	na	\$25,000	\$0	0%	\$0	Easements or ROW	
d		athletic flds/plygrnds	acres	10.0	\$100,000	\$1,000,000	100%	\$1,000,000	Manhattan School Learning Center/Westside	
			acres	6.0	\$100,000	\$600,000	100%	\$600,000	New Start HS fields	
			acres	6.0	\$100,000	\$600,000	100%	\$600,000	Cedarcrest ES fields	
e		rctn centers/pools	acres	4.0	\$250,000	\$1,000,000	100%	\$1,000,000	Cedarcrest ES facilities	Little T
f		special use facilities	acres		\$75,000	\$0		\$0		
g		support facilities	acres		\$75,000	\$0		\$0		
Subtotal for land impact				86.5		\$6,125,000		\$5,125,000		
Facilities										
0		wildlife habitat	acres	0.2	\$5,000	\$1,000	100%	\$1,000	Sherwood Park	
			acres	0.2	\$5,000	\$1,000	50%	\$500	Salmon Creek Park/New Start HS	w/HSD
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Southern Heights Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Hilltop Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Hazel Valley Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Linde Hill Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Lake Burien School Mem Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Dottie Harper Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Mathison Park	
			acres	0.2	\$5,000	\$1,000	0%	\$0	Miller Creek NERA	Port
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Lakeview Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Walker Creek Wetlands	
0		community garden	acres	0.2	\$5,000	\$1,000	100%	\$1,000	Sherwood Park	
			acres	0.2	\$5,000	\$1,000	50%	\$500	Salmon Creek Park/New Start HS	w/HSD
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Southern Heights Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Hilltop Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Hazel Valley Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Linde Hill Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Lake Burien School Mem Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Dottie Harper Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Mathison Park	
			acres	0.2	\$5,000	\$1,000	0%	\$0	Miller Creek NERA	Port
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Lakeview Park	
			acres	0.2	\$5,000	\$1,000	100%	\$1,000	Walker Creek Wetlands	
1	waterfront	access	lr ft		\$0	\$0		\$0		
		parking-freshwater	pkng sp	10	\$4,388	\$43,880	100%	\$43,880	Walker Wetlands	
		parking-saltwater	pkng sp	5	\$4,388	\$21,940	100%	\$21,940	Seola Park	
		parking-saltwater	pkng sp	5	\$4,388	\$21,940	100%	\$21,940	Salmon Creek Ravine	
2	beach	swimming beach	sq ft		\$0	\$0		\$0		
		parking	pkng sp		\$4,388	\$0		\$0		
4	picnic	tables w/o shelter	table	2	\$5,000	\$10,000	100%	\$10,000	Shorewood Park	
			table	2	\$5,000	\$10,000	100%	\$10,000	Southern Heights Park	
			table	2	\$5,000	\$10,000	100%	\$10,000	Cedarcrest ES	
			table	2	\$5,000	\$10,000	100%	\$10,000	Linde Hill Park	
			table	8	\$5,000	\$40,000	0%	\$0	Miller Creek NERA	Port
			table	8	\$5,000	\$40,000	100%	\$40,000	Moshier Park	
			table	2	\$5,000	\$10,000	100%	\$10,000	Gregory Heights ES	
			table	6	\$5,000	\$30,000	100%	\$30,000	Walker Creek Wetlands	
			table	4	\$5,000	\$20,000	100%	\$20,000	Manhattan School Park	
		shelters-group use	shelter	1	\$38,555	\$38,555	100%	\$38,555	Salmon Creek Park	
			shelter	1	\$38,555	\$38,555	100%	\$38,555	Lake Burien School Mem Park	
			shelter	1	\$38,555	\$38,555	100%	\$38,555	Moshier Park	
			shelter	1	\$38,555	\$38,555	100%	\$38,555	Lakeview Park	
			shelter	1	\$38,555	\$38,555	100%	\$38,555	Manhattan School Park	
6	multipurpose	asphalt	mile	1.99	\$250,000	\$497,500	100%	\$497,500	North SeaTac/Golf Courses	
			mile	2.45	\$250,000	\$612,500	100%	\$612,500	North SR-509/Golf Courses	
			mile	0.99	\$250,000	\$247,500	100%	\$247,500	Arbor Lake/Hazel Valley Pk/ES	
			mile	2.45	\$250,000	\$612,500	50%	\$306,250	Upper Miller Creek/NERA	Port
			mile	1.99	\$250,000	\$497,500	100%	\$497,500	Seahurst/Mathison Parks	
			mile	2.25	\$250,000	\$562,500	100%	\$562,500	Eagle Landing/Moshier Park	
			mile	0.73	\$250,000	\$182,500	100%	\$182,500	Lake Burien/Lakeview Park	
			mile	3.65	\$250,000	\$912,500	0%	\$0	South SR-509/Lake to Sound	Port

			units	PLOS facility addtn	Facility cost /unit	PLOS funding required	Burier fundir share	Burien funding required	Comments	
			mile	1.33	\$250,000	\$332,500	50%	\$166,250	Manhattan Park/CJTC/Normandy Park	
		limestone	mile	1.80	\$133,216	\$239,789	100%	\$239,789	Salmon Creek/Lakewood Park	
			mile	1.60	\$133,216	\$213,146	100%	\$213,146	Seola Park/Shorewood Park/ES	
			mile	0.93	\$133,216	\$123,891	100%	\$123,891	Seola Park/Salmon Creek Ravine	
			mile	4.31	\$133,216	\$574,161	100%	\$574,161	Golf Courses/Marginal Way	
			mile	2.92	\$133,216	\$388,991	100%	\$388,991	Hilltop Park/ES/Highline Medical	
			mile	0.46	\$133,216	\$61,279	100%	\$61,279	Salmon Creek Ravine/Seahurst Park Trail	
			mile	0.86	\$133,216	\$114,566	100%	\$114,566	Seahurst Park/Indian Trail Connection	
			mile	2.52	\$133,216	\$335,704	100%	\$335,704	Lower Miller Creek/Indian Trails	
			mile	1.99	\$133,216	\$265,100	100%	\$265,100	Walker Creek Trail	
		dirt	mile		\$83,769	\$0	100%	\$0		
10	on-road bikev	shoulder	mile	0.93	\$252,587	\$234,906	0%	\$0	SW 112th Street	NMT
10	on-road bikev	shoulder	mile	2.45	\$252,587	\$618,838	0%	\$0	SW 116th Street	NMT
10	on-road bikev	shoulder	mile	2.39	\$252,587	\$603,683	0%	\$0	Shorewood Drive SW	NMT
10	on-road bikev	shoulder	mile	1.46	\$252,587	\$368,777	0%	\$0	SW132nd Street	NMT
10	on-road bikev	shoulder	mile	2.19	\$252,587	\$553,166	0%	\$0	SW 136th Street	NMT
10	on-road bikev	shoulder	mile	1.86	\$252,587	\$469,812	0%	\$0	SW 146th Street	NMT
10	on-road bikev	shoulder	mile	0.73	\$252,587	\$184,389	0%	\$0	SW 152nd Street	NMT
10	on-road bikev	shoulder	mile	1.79	\$252,587	\$452,131	0%	\$0	SW 160th Street	NMT
10	on-road bikev	shoulder	mile	1.39	\$252,587	\$351,096	0%	\$0	SW 170th Street	NMT
10	on-road bikev	shoulder	mile	1.13	\$252,587	\$285,423	0%	\$0	SW 172nd Street	NMT
10	on-road bikev	shoulder	mile	0.99	\$252,587	\$250,061	0%	\$0	S 192nd Street	NMT
10	on-road bikev	shoulder	mile	0.66	\$252,587	\$166,707	0%	\$0	26th Avenue SW	NMT
10	on-road bikev	shoulder	mile	1.19	\$252,587	\$300,579	0%	\$0	Maplewood Avenue SW	NMT
10	on-road bikev	shoulder	mile	0.53	\$252,587	\$133,871	0%	\$0	Marine View Drive SW	NMT
10	on-road bikev	shoulder	mile	1.19	\$252,587	\$300,579	0%	\$0	21st Avenue SW	NMT
10	on-road bikev	shoulder	mile	0.60	\$252,587	\$151,552	0%	\$0	16th Avenue SW	NMT
10	on-road bikev	shoulder	mile	0.13	\$252,587	\$32,836	0%	\$0	12th Avenue SW	NMT
10	on-road bikev	shoulder	mile	2.39	\$252,587	\$603,683	0%	\$0	8th Avenue SW	NMT
10	on-road bikev	shoulder	mile	2.25	\$252,587	\$568,321	0%	\$0	4th Avenue SW	NMT
10	on-road bikev	shoulder	mile	1.72	\$252,587	\$434,450	0%	\$0	1st Avenue SW	NMT
10	on-road bikev	shoulder	mile	1.99	\$252,587	\$502,648	0%	\$0	Ambaum Blvd S	NMT
10	on-road bikev	shoulder	mile	3.31	\$252,587	\$836,063	0%	\$0	Des Moines Memorial Drive	NMT
10	on-road bikev	shoulder	mile	2.65	\$252,587	\$669,356	0%	\$0	8th Avneue S	NMT
		in-lane marking	mile		\$19,667	\$0		\$0		
16	skateboard	skateboard court	court		\$100,000	\$0		\$0		
			dots	1	\$5,000	\$5,000	100%	\$5,000	Salmon Creek Park	
			dots	1	\$5,000	\$5,000	100%	\$5,000	Southern Heights Park	
			dots	1	\$5,000	\$5,000	100%	\$5,000	Puget Sound Park	
			dots	1	\$5,000	\$5,000	100%	\$5,000	Chelsea Park	
			dots	1	\$5,000	\$5,000	100%	\$5,000	Lake Burien Memorial Park	
			dots	1	\$5,000	\$5,000	100%	\$5,000	Mathison Park	
			dots	1	\$5,000	\$5,000	100%	\$5,000	Moshier Park	
			dots	1	\$5,000	\$5,000	100%	\$5,000	Lakeview Park	
			dots	1	\$5,000	\$5,000	100%	\$5,000	Manhattan School Park	
		outdoor climbing wall	each		\$50,000	\$0		\$0		
17	handball	1-wall outdoor uncovered	court		\$19,723	\$0		\$0		
18	basketball	covered	court		\$98,462	\$0		\$0		
		uncovered	court	0.5	\$78,462	\$39,231	100%	\$39,231	Southern Heights Park	
			court	0.5	\$78,462	\$39,231	100%	\$39,231	Chelsea Park	
			court	0.5	\$78,462	\$39,231	100%	\$39,231	Annex	
			court	0.5	\$78,462	\$39,231	100%	\$39,231	Mathison Park	
20	tennis	indoor	court		\$200,000	\$0		\$0		
		tennis-outdoor lighted	court	2	\$161,453	\$322,906	100%	\$322,906	Manhattan School Pk/Woodside	
		outdoor unlighted	court		\$95,552	\$0		\$0		
		pickleball	court		\$15,000	\$0		\$0		
		bocce ball	court		\$7,500	\$0		\$0		
24	soccer	indoor	field		\$2,000,000	\$0		\$0		
		turf lighted	field		\$1,187,702	\$0		\$0		
		grass lighted	field		\$760,837	\$0		\$0		
		grass lighted	field		\$760,837	\$0		\$0		
		grass unlighted	field	1	\$380,419	\$380,419	0%	\$0	WSCJTC BLEA	use ag
		allweather	field		\$250,000	\$0		\$0		
		youth	field		\$200,000	\$0		\$0		
		practice - standards	field	1	\$5,000	\$5,000	100%	\$5,000	Salmon Creek Park	
		practice - standards	field	1	\$5,000	\$5,000	100%	\$5,000	Hilltop Park	
		practice - standards	field	1	\$5,000	\$5,000	100%	\$5,000	Puget Sound Park	
		practice - standards	field	1	\$5,000	\$5,000	100%	\$5,000	Lake Burien Schl Mem Park	
26	baseball	300+ grass lighted	field		\$677,632	\$0		\$0		
		300+ grass unlighted	field		\$520,000	\$0		\$0		
	bs/sfball	250+ grass lighted	field		\$647,527	\$0		\$0		
		250+ grass lighted	field		\$647,527	\$0		\$0		
		250+ grass unlighted	field		\$260,000	\$0		\$0		
	baseball	200+ grass lighted	field		\$510,000	\$0		\$0		
		200+ grass unlighted	field		\$207,248	\$0		\$0		
		200 - youth field	field		\$100,000	\$0		\$0		
		practice - backstop	field	1	\$25,000	\$25,000	100%	\$25,000	Salmon Creek Park	
			field	1	\$25,000	\$25,000	100%	\$25,000	Hilltop Park	
			field	1	\$25,000	\$25,000	100%	\$25,000	Manhattan School Park	
27	swim pool	indoor competition	sq ft	4,000	\$784	\$3,136,000	100%	\$3,136,000	Annex - Community Center	
		indoor/outdoor leisure	sq ft	4,000	\$525	\$2,100,000	100%	\$2,100,000	Annex - Community Center	

		units	PLOS facility addtn	Facility cost /unit	PLOS funding required	Burier fundir share	Burien funding required	Comments	
		lockers	sq ft	4,000	\$400	\$1,600,000	100%	\$1,600,000	Annex - Community Center
		outdoor competition	sq ft		\$200	\$0		\$0	
		outdoor leisure	sq ft		\$400	\$0		\$0	
		lockers	sq ft		\$250	\$0		\$0	
29	rctn cntr	indoor gymnasium	sq ft	8,000	\$300	\$2,400,000	100%	\$2,400,000	Annex - Community Center
			sq ft	12,000	\$300	\$3,600,000	100%	\$3,600,000	Annex - Community Center
			sq ft	8,000	\$300	\$2,400,000	50%	\$1,200,000	New Start HS
			sq ft	8,000	\$300	\$2,400,000	50%	\$1,200,000	Manhattan Learning Center
		physical conditioning	sq ft	4,000	\$250	\$1,000,000	100%	\$1,000,000	Annex - Community Center
		climbing wall	sq ft	500	\$250	\$125,000	100%	\$125,000	Annex - Community Center
		racquetball 1600 sf	ea/sq ft		\$349,600	\$0		\$0	
		handball 1200 sf	ea/sq ft		\$225,000	\$0		\$0	
30	arts cntr	arts/crafts room	sq ft	2,000	\$300	\$600,000	100%	\$600,000	Moshier Arts Center addn
31	cmtly cntr	class/meeting room	sq ft		\$300	\$0		\$0	
	cultural	stage	sq ft	4,000	\$400	\$1,600,000	0%	\$0	Burien Community Theater-PAC
		auditorium	sq ft		\$500	\$0		\$0	
32	child cntr	day care/nursery	sq ft		\$250	\$0		\$0	
33	special	childrens activities	sq ft	2,000	\$350	\$700,000	100%	\$700,000	Annex - Community Center
		teen activities	sq ft	2,000	\$350	\$700,000	100%	\$700,000	Annex - Community Center
		senior activities	sq ft	2,000	\$250	\$500,000	100%	\$500,000	Annex - Community Center
37	dept	admin offices	sq ft	5,000	\$250	\$1,250,000	100%	\$1,250,000	Community Center admin
		maintenance fclties	sq ft		\$50	\$0		\$0	
		shop yard	sq ft		\$15	\$0		\$0	
		caretaker	each/sf		\$60	\$0		\$0	
	restrooms	permanent	fixture	8	\$28,936	\$231,488	100%	\$231,488	Salmon Creek Park
			fixture	6	\$28,936	\$173,616	100%	\$173,616	Chelsea Park
			fixture	6	\$28,936	\$173,616	100%	\$173,616	Hilltop Park
			fixture	6	\$28,936	\$173,616	100%	\$173,616	Mathison Park
			fixture	10	\$28,936	\$289,360	100%	\$289,360	Moshier Park - rebuild
			fixture	8	\$28,936	\$231,488	100%	\$231,488	Salmon Creek Park
		portable toilet	each	1	\$2,500	\$2,500	100%	\$2,500	Shorewood Park
			each	1	\$2,500	\$2,500	100%	\$2,500	Walker Creek Wetlands
			each	1	\$2,500	\$2,500	100%	\$2,500	Puget Sound Park
			each	1	\$2,500	\$2,500	100%	\$2,500	Arbor Lake Park
			each	1	\$2,500	\$2,500	100%	\$2,500	Manhattan School Park
			each	1	\$2,500	\$2,500	100%	\$2,500	Lakeview Park
Subtotal for facility impact				69,708		\$42,731,019		\$27,849,675	
Total impact for land and facilities						\$48,856,019		\$32,974,675	

Cmty 1

Proposed composite level-of-service (PLOS) additions - 2011-2025 - by park site

Site	Facilities	units	PLOS facility addtn	Facility cost /unit	PLOS funding required	Burien fundii share	Burien funding required	
Annex - Community Center	18 basketball	uncovered	court	0.5	\$78,462	\$39,231	100%	\$39,231
Annex - Community Center	27 swim pool	indoor competition	sq ft	4,000	\$784	\$3,136,000	100%	\$3,136,000
Annex - Community Center	27 swim pool	indoor/outdoor leisure	sq ft	4,000	\$525	\$2,100,000	100%	\$2,100,000
Annex - Community Center	27 swim pool	lockers	sq ft	4,000	\$400	\$1,600,000	100%	\$1,600,000
Annex - Community Center	29 rctn cntr	indoor gymnasium	sq ft	8,000	\$300	\$2,400,000	100%	\$2,400,000
Annex - Community Center	29 rctn cntr	indoor gymnasium	sq ft	12,000	\$300	\$3,600,000	100%	\$3,600,000
Annex - Community Center	29 rctn cntr	physical conditioning	sq ft	4,000	\$250	\$1,000,000	100%	\$1,000,000
Annex - Community Center	29 rctn cntr	climbing wall	sq ft	500	\$250	\$125,000	100%	\$125,000
Annex - Community Center	33 special	childrens activities	sq ft	2,000	\$350	\$700,000	100%	\$700,000
Annex - Community Center	33 special	teen activities	sq ft	2,000	\$350	\$700,000	100%	\$700,000
Annex - Community Center	33 special	senior activities	sq ft	2,000	\$250	\$500,000	100%	\$500,000
Annex - Community Center	37 dept	admin offices	sq ft	5,000	\$250	\$1,250,000	100%	\$1,250,000
Arbor Lake Park	37 restrooms	portable toilet	each	1	\$2,500	\$2,500	100%	\$2,500
Burien Community Theater-PAC	31 cultural	stage	sq ft	4,000	\$400	\$1,600,000	0%	\$0
Cedarcrest ES	4 picnic	tables w/o shelter	table	2	\$5,000	\$10,000	100%	\$10,000
Cedarcrest ES facilities	e land	rctn centers/pools	acres	4.0	\$250,000	\$1,000,000	100%	\$1,000,000
Cedarcrest ES fields	d land	athletic flds/plygrnds	acres	6.0	\$100,000	\$600,000	100%	\$600,000
Chelsea Park	16 skateboard	skateboard dots	dots	1	\$5,000	\$5,000	100%	\$5,000
Chelsea Park	18 basketball	uncovered	court	0.5	\$78,462	\$39,231	100%	\$39,231
Chelsea Park	37 restrooms	permanent	fixture	6	\$28,936	\$173,616	100%	\$173,616
Dottie Harper Park	0 plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Dottie Harper Park	0 plantings	community garden	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Easements or ROW	c land	linear trails - 40 ft wide	acres	na	\$25,000	\$0	0%	\$0
Gregory Heights ES	4 picnic	tables w/o shelter	table	2	\$5,000	\$10,000	100%	\$10,000
Hazel Valley Park	0 plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Hazel Valley Park	0 plantings	community garden	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Hilltop Park	0 plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Hilltop Park	0 plantings	community garden	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Hilltop Park	26 baseball	practice - backstop	field	1	\$25,000	\$25,000	100%	\$25,000
Hilltop Park	37 restrooms	permanent	fixture	6	\$28,936	\$173,616	100%	\$173,616
Hilltop Park	24 soccer	practice - standards	field	1	\$5,000	\$5,000	100%	\$5,000
Lake Burien School Mem Park	16 skateboard	skateboard dots	dots	1	\$5,000	\$5,000	100%	\$5,000
Lake Burien School Mem Park	24 soccer	practice - standards	field	1	\$5,000	\$5,000	100%	\$5,000
Lake Burien School Mem Park	0 plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Lake Burien School Mem Park	0 plantings	community garden	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Lake Burien School Mem Park	4 picnic	shelters-group use	shelter	1	\$38,555	\$38,555	100%	\$38,555
Lakeview Park	0 plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Lakeview Park	0 plantings	community garden	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Lakeview Park	4 picnic	shelters-group use	shelter	1	\$38,555	\$38,555	100%	\$38,555
Lakeview Park	16 skateboard	skateboard dots	dots	1	\$5,000	\$5,000	100%	\$5,000
Lakeview Park	37 restrooms	portable toilet	each	1	\$2,500	\$2,500	100%	\$2,500
Lakewood Park Extensions	a land	resource conservancies	acres	na	\$15,000	\$0	0%	\$0
Linde Hill Park	0 plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Linde Hill Park	0 plantings	community garden	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Linde Hill Park	4 picnic	tables w/o shelter	table	2	\$5,000	\$10,000	100%	\$10,000
Manhattan Learning Center	29 rctn cntr	indoor gymnasium	sq ft	8,000	\$300	\$2,400,000	50%	\$1,200,000
Manhattan School Learning Center/Wes	d land	athletic flds/plygrnds	acres	10.0	\$100,000	\$1,000,000	100%	\$1,000,000
Manhattan School Park	4 picnic	tables w/o shelter	table	4	\$5,000	\$20,000	100%	\$20,000
Manhattan School Park	4 picnic	shelters-group use	shelter	1	\$38,555	\$38,555	100%	\$38,555
Manhattan School Park	16 skateboard	skateboard dots	dots	1	\$5,000	\$5,000	100%	\$5,000
Manhattan School Park	26 baseball	practice - backstop	field	1	\$25,000	\$25,000	100%	\$25,000
Manhattan School Park	37 restrooms	portable toilet	each	1	\$2,500	\$2,500	100%	\$2,500
Manhattan School PK/Woodside	20 tennis	tennis-outdoor lighted	court	2	\$161,453	\$322,906	100%	\$322,906
Marginal Way Hillside North	a land	resource conservancies	acres	na	\$15,000	\$0	0%	\$0
Mathison Park	0 plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Mathison Park	0 plantings	community garden	acres	0.2	\$5,000	\$1,000	100%	\$1,000
Mathison Park	16 skateboard	skateboard dots	dots	1	\$5,000	\$5,000	100%	\$5,000
Mathison Park	18 basketball	uncovered	court	0.5	\$78,462	\$39,231	100%	\$39,231
Mathison Park	37 restrooms	permanent	fixture	6	\$28,936	\$173,616	100%	\$173,616
Miller Creek NERA	a land	resource conservancies	acres	na	\$15,000	\$0	0%	\$0
Miller Creek NERA	0 plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	0%	\$0
Miller Creek NERA	0 plantings	community garden	acres	0.2	\$5,000	\$1,000	0%	\$0
Miller Creek NERA	4 picnic	tables w/o shelter	table	8	\$5,000	\$40,000	0%	\$0
Miller Creek NERA	a land	resource conservancies	acres	na	\$15,000	\$0	100%	\$0
Moshier Arts Center addn	30 arts cntr	arts/crafts room	sq ft	2,000	\$300	\$600,000	100%	\$600,000
Moshier Park	4 picnic	tables w/o shelter	table	8	\$5,000	\$40,000	100%	\$40,000
Moshier Park	4 picnic	shelters-group use	shelter	1	\$38,555	\$38,555	100%	\$38,555
Moshier Park	16 skateboard	skateboard dots	dots	1	\$5,000	\$5,000	100%	\$5,000
Moshier Park - rebuild	37 restrooms	permanent	fixture	10	\$28,936	\$289,360	100%	\$289,360
New Start HS	29 rctn cntr	indoor gymnasium	sq ft	8,000	\$300	\$2,400,000	50%	\$1,200,000
New Start HS fields	d land	athletic flds/plygrnds	acres	6.0	\$100,000	\$600,000	100%	\$600,000
Puget Sound Park	16 skateboard	skateboard dots	dots	1	\$5,000	\$5,000	100%	\$5,000
Puget Sound Park	24 soccer	practice - standards	field	1	\$5,000	\$5,000	100%	\$5,000
Puget Sound Park	37 restrooms	portable toilet	each	1	\$2,500	\$2,500	100%	\$2,500

Salmon Creek Park	4	picnic	shelters-group use	shelter	1	\$38,555	\$38,555	100%	\$38,555	
Salmon Creek Park	16	skateboard	skateboard dots	dots	1	\$5,000	\$5,000	100%	\$5,000	
Salmon Creek Park	24	soccer	practice - standards	field	1	\$5,000	\$5,000	100%	\$5,000	
Salmon Creek Park	26	baseball	practice - backstop	field	1	\$25,000	\$25,000	100%	\$25,000	
Salmon Creek Park	37	restrooms	permanent	fixture	8	\$28,936	\$231,488	100%	\$231,488	
Salmon Creek Park	37	restrooms	permanent	fixture	8	\$28,936	\$231,488	100%	\$231,488	
Salmon Creek Park/New Start HS	0	plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	50%	\$500	
Salmon Creek Park/New Start HS	0	plantings	community garden	acres	0.2	\$5,000	\$1,000	50%	\$500	\$537,531
Salmon Creek Ravine	1	waterfront	parking-saltwater	pkng sp	5	\$4,388	\$21,940	100%	\$21,940	
Salmon Creek/Seahurst Linkage	a	land	resource conservancies	acres	10.0	\$15,000	\$75,000	100%	\$75,000	
Salmon Creek/Seola Extensions	a	land	resource conservancies	acres	5.0	\$15,000	\$75,000	100%	\$75,000	
Salmon Ravine Park Waterfront	b	land	resource activities	acres	5.0	\$100,000	\$500,000	100%	\$500,000	\$671,940
Seola Park	1	waterfront	parking-saltwater	pkng sp	5	\$4,388	\$21,940	100%	\$21,940	
Seola Park Extensions	a	land	resource conservancies	acres	5.0	\$15,000	\$75,000	100%	\$75,000	
Seola Park Waterfront	b	land	resource activities	acres	0.5	\$100,000	\$50,000	100%	\$50,000	\$146,940
Sherwood Park	0	plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	100%	\$1,000	
Sherwood Park	0	plantings	community garden	acres	0.2	\$5,000	\$1,000	100%	\$1,000	
Shorewood Park	4	picnic	tables w/o shelter	table	2	\$5,000	\$10,000	100%	\$10,000	
Shorewood Park	37	restrooms	portable toilet	each	1	\$2,500	\$2,500	100%	\$2,500	\$14,500
Southern Heights Park	0	plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	100%	\$1,000	
Southern Heights Park	0	plantings	community garden	acres	0.2	\$5,000	\$1,000	100%	\$1,000	
Southern Heights Park	4	picnic	tables w/o shelter	table	2	\$5,000	\$10,000	100%	\$10,000	
Southern Heights Park	16	skateboard	skateboard dots	dots	1	\$5,000	\$5,000	100%	\$5,000	
Southern Heights Park	18	basketball	uncovered	court	0.5	\$78,462	\$39,231	100%	\$39,231	\$56,231
SR-509 Hillside North	a	land	resource conservancies	acres	na	\$15,000	\$0	0%	\$0	\$0
Tub Lake	b	land	resource activities	acres	10.0	\$100,000	\$1,000,000	0%	\$0	\$0
Unnamed Creek Corridor/Eagle Landing	a	land	resource conservancies	acres	10.0	\$15,000	\$75,000	100%	\$75,000	\$75,000
Walker Creek Wetlands	0	plantings	wildlife habitat	acres	0.2	\$5,000	\$1,000	100%	\$1,000	
Walker Creek Wetlands	0	plantings	community garden	acres	0.2	\$5,000	\$1,000	100%	\$1,000	
Walker Creek Wetlands	4	picnic	tables w/o shelter	table	6	\$5,000	\$30,000	100%	\$30,000	
Walker Creek Wetlands	37	restrooms	portable toilet	each	1	\$2,500	\$2,500	100%	\$2,500	
Walker Creek Wetlands	b	land	resource activities	acres	10.0	\$100,000	\$1,000,000	100%	\$1,000,000	
Walker Creek Wetlands	1	waterfront	parking-freshwater	pkng sp	10	\$4,388	\$43,880	100%	\$43,880	
Walker Creek Wetlands Extension	a	land	resource conservancies	acres	5.0	\$15,000	\$75,000	100%	\$75,000	\$1,153,380
WSC/JTC BLEA	24	soccer	grass unlighted	field	1	\$380,419	\$380,419	0%	\$0	\$0
Multipurpose trails										
North SeaTac/Golf Courses	6	multipurpose asphalt		mile	1.99	\$250,000	\$497,500	100%	\$497,500	
North SR-509/Golf Courses	6	multipurpose asphalt		mile	2.45	\$250,000	\$612,500	100%	\$612,500	
Arbor Lake/Hazel Valley Pk/ES	6	multipurpose asphalt		mile	0.99	\$250,000	\$247,500	100%	\$247,500	
Upper Miller Creek/NERA	6	multipurpose asphalt		mile	2.45	\$250,000	\$612,500	50%	\$306,250	
Seahurst/Mathison Parks	6	multipurpose asphalt		mile	1.99	\$250,000	\$497,500	100%	\$497,500	
Eagle Landing/Moshier Park	6	multipurpose asphalt		mile	2.25	\$250,000	\$562,500	100%	\$562,500	
Lake Burien/Lakeview Park	6	multipurpose asphalt		mile	0.73	\$250,000	\$182,500	100%	\$182,500	
South SR-509/Lake to Sound	6	multipurpose asphalt		mile	3.65	\$250,000	\$912,500	0%	\$0	
Manhattan Park/CJTC/Normandy Park	6	multipurpose asphalt		mile	1.33	\$250,000	\$332,500	50%	\$166,250	
Salmon Creek/Lakewood Park	6	multipurpose limestone		mile	1.80	\$133,216	\$239,789	100%	\$239,789	
Seola Park/Shorewood Park/ES	6	multipurpose limestone		mile	1.60	\$133,216	\$213,146	100%	\$213,146	
Seola Park/Salmon Creek Ravine	6	multipurpose limestone		mile	0.93	\$133,216	\$123,891	100%	\$123,891	
Golf Courses/Marginal Way	6	multipurpose limestone		mile	4.31	\$133,216	\$574,161	100%	\$574,161	
Hilltop Park/ES/Highline Medical	6	multipurpose limestone		mile	2.92	\$133,216	\$388,991	100%	\$388,991	
Salmon Creek Ravine/Seahurst Park Tra	6	multipurpose limestone		mile	0.46	\$133,216	\$61,279	100%	\$61,279	
Seahurst Park/Indian Trail Connection	6	multipurpose limestone		mile	0.86	\$133,216	\$114,566	100%	\$114,566	
Lower Miller Creek/Indian Trails	6	multipurpose limestone		mile	2.52	\$133,216	\$335,704	100%	\$335,704	
Walker Creek Trail	6	multipurpose limestone		mile	1.99	\$133,216	\$265,100	100%	\$265,100	\$5,389,126
On-road bike routes										
SW 112th Street	10	on-road bikes shoulder		mile	0.93	\$252,587	\$234,906	0%	\$0	
SW 116th Street	10	on-road bikes shoulder		mile	2.45	\$252,587	\$618,838	0%	\$0	
Shorewood Drive SW	10	on-road bikes shoulder		mile	2.39	\$252,587	\$603,683	0%	\$0	
SW132nd Street	10	on-road bikes shoulder		mile	1.46	\$252,587	\$368,777	0%	\$0	
SW 136th Street	10	on-road bikes shoulder		mile	2.19	\$252,587	\$553,166	0%	\$0	
SW 146th Street	10	on-road bikes shoulder		mile	1.86	\$252,587	\$469,812	0%	\$0	
SW 152nd Street	10	on-road bikes shoulder		mile	0.73	\$252,587	\$184,389	0%	\$0	
SW 160th Street	10	on-road bikes shoulder		mile	1.79	\$252,587	\$452,131	0%	\$0	
SW 170th Street	10	on-road bikes shoulder		mile	1.39	\$252,587	\$351,096	0%	\$0	
SW 172nd Street	10	on-road bikes shoulder		mile	1.13	\$252,587	\$285,423	0%	\$0	
S 192nd Street	10	on-road bikes shoulder		mile	0.99	\$252,587	\$250,061	0%	\$0	
26th Avenue SW	10	on-road bikes shoulder		mile	0.66	\$252,587	\$166,707	0%	\$0	
Maplewood Avenue SW	10	on-road bikes shoulder		mile	1.19	\$252,587	\$300,579	0%	\$0	
Marine View Drive SW	10	on-road bikes shoulder		mile	0.53	\$252,587	\$133,871	0%	\$0	
21st Avenue SW	10	on-road bikes shoulder		mile	1.19	\$252,587	\$300,579	0%	\$0	
16th Avenue SW	10	on-road bikes shoulder		mile	0.60	\$252,587	\$151,552	0%	\$0	
12th Avenue SW	10	on-road bikes shoulder		mile	0.13	\$252,587	\$32,836	0%	\$0	
8th Avenue SW	10	on-road bikes shoulder		mile	2.39	\$252,587	\$603,683	0%	\$0	
4th Avenue SW	10	on-road bikes shoulder		mile	2.25	\$252,587	\$568,321	0%	\$0	
1st Avenue SW	10	on-road bikes shoulder		mile	1.72	\$252,587	\$434,450	0%	\$0	
Ambaum Blvd S	10	on-road bikes shoulder		mile	1.99	\$252,587	\$502,648	0%	\$0	
Des Moines Memorial Drive	10	on-road bikes shoulder		mile	3.31	\$252,587	\$836,063	0%	\$0	
8th Avenue S	10	on-road bikes shoulder		mile	2.65	\$252,587	\$669,356	0%	\$0	\$0
Total impact for land and facilities						\$48,856,019	\$32,974,675	\$32,974,675		