

Community Advisory Group Blind Evaluation Data Table

Revised: 6/13/14

Overview

The table below presents data, organized by evaluation factor, for the 18 route combinations across the Energize Eastside project area. To keep the evaluation blind, route options are randomly given tree names (e.g. "Maple," "Spruce," "Pine," etc). Only measurable data that applies to all routes is included.

Color coding (**white to dark purple**) indicates where the cell value falls within the range for that data row, with white indicating a low value (or fewer potential impacts to a factor) and purple indicating a high value (or more potential impacts to a factor). Please note that for the **Utilizes opportunity areas** evaluation factor, a white color means there are more opportunity areas whereas a purple color indicates fewer opportunity areas. This table will be used by Community Advisory Group members to complete the blind evaluation exercise of route options between June 5 and June 17, 2014.

Data table

Data	Description	Unit	Min	Max	Route options																	
					Maple	Cherry	Redwood	Fir	Cedar	Ash	Pine	Oak	Sycamore	Willow	Poplar	Elm	Aspen	Cottonwood	Laurel	Dogwood	Spruce	Magnolia
Evaluation factor - Avoids residential areas																						
Residential Tax Accounts	Residential tax payers within 25 feet of a corridor (based on King County assessor data).	Count of Parcels	1,217	1,935	1,439	1,506	1,522	1,750	1,730	1,608	1,218	1,425	1,217	1,422	1,545	1,621	1,713	1,607	1,829	1,935	1,231	1,896
Evaluation factor - Avoids sensitive community land uses																						
Schools	School use within 25 feet of a corridor (based on King County assessor data and Google Earth).	Count	1	8	4	6	5	3	2	4	7	3	8	4	7	4	2	5	1	4	7	3
Religious service institutions	Religious service institution use within 25 feet of a corridor (based on King County assessor data and Google Earth).	Count	2	11	4	8	6	3	3	9	11	8	7	4	6	5	5	5	2	4	7	6
Parks	Park use within 25 feet of a corridor (based on King County assessor data).	Count of Parcels	10	18	10	12	15	15	11	14	12	11	14	13	16	16	11	16	12	18	14	14
Recreation	Recreational use within 25 feet of a corridor, i.e., golf course, campground, movie theater, bowling alley (based on King County assessor data).	Count	6	18	11	13	10	17	12	6	7	8	8	7	18	8	14	7	10	17	9	12
Trails	Length of trails within 25 feet of a corridor (based on King County Trails File).	Miles	2	6	3.89	3.97	3.15	4.91	4.86	3.33	2.03	3.01	1.97	2.95	3.93	3.47	4.95	3.27	5.19	5.24	2.17	5.27
Historic sites	Registered Historic Sites within half mile of routes.	Count	2	6	2	2	6	3	3	5	5	6	5	6	2	5	3	5	2	2	5	2

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					Maple	Cherry	Redwood	Fir	Cedar	Ash	Pine	Oak	Sycamore	Willow	Poplar	Elm	Aspen	Cottonwood	Laurel	Dogwood	Spruce	Magnolia
Evaluation factor – Avoids sensitive environmental areas																						
Wildlife	Number of State documented wildlife species present per state Priority Habitat and Species Data. Includes known salmonid species present.	Species Count	20	30	26	21	26	22	25	25	22	21	22	21	23	30	20	25	29	26	27	24
Wetlands	Wetlands identified within 50 feet on both sides of route centerline (either from GIS data or field reconnaissance). This information is based on visual observations and does not include delineations.	Count	24	60	50	47	39	51	47	24	33	30	34	25	60	33	44	25	41	51	42	38
Stream crossings	Stream data within 50 feet both sides of route centerline (based on GIS layers and field reconnaissance).	Count	18	49	31	29	36	49	45	19	18	32	18	22	45	23	43	19	32	46	22	30
High slope instability	High Instability within 25 feet of the ROW (based on WA DNR Slope Stability Rating Area).	Percent of route	5.53	6.86	6.86	3.88	4.99	5.63	5.18	4.00	4.29	3.95	4.05	4.94	4.78	5.69	3.53	3.79	6.12	4.50	6.19	3.64
Fault lines	Number of faults that are within 25 feet of the corridor derived from WA DNR fault data set.	Count	5	11	6	5	6	7	6	5	5	5	11	7	11	6	5	11	6	11	6	5
Evaluation factor - Protects mature vegetation																						
Tree removal	Total number of trees greater than 4-inches (dbh) that would require removal or work. The following methods were used to develop the tree estimates: LiDAR, Google Earth, and/or field reconnaissance.	Tree Total >4-inch (dbh)	7,756	12,374	10,182	9,853	8,985	11,078	9,566	8,084	8,560	7,756	9,175	7,879	12,374	9,125	9,049	8,699	9,706	11,898	9,601	9,377
Evaluation factor – Utilizes opportunity areas																						
Existing infrastructure	Miles of existing overhead transmission infrastructure.	Miles	9	17	8.95	11.27	16.45	14.76	12.16	14.65	14.42	16.59	15.36	16.15	13.97	13.47	13.44	15.59	9.18	14.20	13.24	11.50
Existing Land Use	Industrial present use within 25 feet of a corridor (based on King County assessor data).	Count	6	37	20	19	16	7	17	25	18	15	29	6	30	26	16	36	27	37	19	26

Supplemental data

The following table includes “near” data (within 600 feet of proposed route options). It is provided as supplemental to the “adjacent” data (within 25 feet of proposed route options) above, for optional consideration in the blind evaluation.

Data	Description	Unit	Min	Max	Route options																	
					Maple	Cherry	Redwood	Fir	Cedar	Ash	Pine	Oak	Sycamore	Willow	Poplar	Elm	Aspen	Cottonwood	Laurel	Dogwood	Spruce	Magnolia
Near (within 600 feet) data and other information																						
Schools	School use within 600 feet of a corridor (based on King County assessor data and Google Earth).	Count	3	13	6	9	9	6	4	9	12	8	13	7	12	8	5	10	3	9	11	6
Religious service institutions	Religious Service Institution use within 600 feet of a corridor (based on King County assessor data and Google Earth).	Count	5	16	7	12	13	5	7	16	16	12	13	7	11	13	8	13	7	11	13	12
Trails	Count of trails within 600 feet of a corridor (based on King County Trails File).	Count	8	15	12	12	15	13	15	13	10	11	8	9	12	15	13	11	15	15	12	15
Low slope instability	Low Instability within 25 feet of the ROW (based on WA DNR Slope Stability Rating Area).	Percent of route	.99	2.89	1.92	0.97	1.85	2.62	1.92	1.27	1.29	1.77	1.68	2.89	1.71	1.74	1.46	1.62	1.80	1.65	1.82	0.99
Medium slope instability	Medium Instability within 25 feet of the ROW (based on WA DNR Slope Stability Rating Area).	Percent of route	4.38	6.67	6.06	4.38	5.62	6.99	6.00	4.62	4.65	5.09	4.90	6.67	5.51	5.44	4.82	4.84	5.82	5.41	5.57	4.38
Moderately steep slopes	Slopes greater than 20% and less than 40% within 25 feet of the ROW derived from King County LiDAR elevation.	Percent of route	15.82	21.25	20.26	17.59	19.02	20.49	20.51	15.82	16.26	17.57	18.26	21.25	18.26	17.76	18.90	17.59	19.11	17.71	18.45	17.00
Steep slopes	Slopes greater than 40% within 25 feet of the ROW derived from King County LiDAR elevation.	Percent of route	9.24	18.10	18.10	13.21	14.18	14.44	14.01	11.29	12.43	10.99	10.13	9.91	13.71	15.61	11.78	9.24	15.82	12.66	17.28	11.98