

To the members of the Washington State Utilities and Transportation Commission:

RE: Docket UE-160082.

I support and applaud Avista Corporation's request to implement an Electric Vehicle Supply Equipment Pilot Program to install Charging Stations on their customers' property in exchange for allowing Avista to collect data about their EV charging habits. It is clear that this program should be implemented. It presents a singular opportunity to the residents of Eastern Washington that has not been available to me here on the West side of the state. I still cannot easily get to the Ocean Beaches,

I have the happy experience of owning an all Electric Nissan LEAF. I waited from May 2010 to June of 2011 just to take delivery of one of the first 100 EV's delivered in State of Washington. I have driven approximately 47,000 miles without ever running out of power (Juice) or purchasing anything but electricity. On any trip longer than 65 or so miles I depend on DCFC (Direct Current Fast Charging) fuel stops. The 30 minutes it takes to charge allows me to stretch, get a hot drink and break up the trip. Charging at home while I sleep is "a no brainer" Ninety miles in three hours and I am set for my day. If I what to make a trip to my daughter's house in Spokane 295 miles it is a different story. I rent a "gasser", buy a Tesla, fly, or just wait until somebody put's in DCFC stations. Think how far you could go without "gas" stations! The only difference is our Plug in's just don't have as big a fuel storage at present. Every year we can go farther and farther as new models are offered. Ultimately, whatever we do we will have/need fueling stations. They will be DCFC stations, not on all four corners of an intersection that you frequently see but one Charging Station with multiple heads to handle multiple customers.

I support Avista's request with particular emphasis on the DCFC portion. It is an essential building block in the charging network. Without it an electric car is only a local commuter vehicle.

In a similar note, I am called a "first of". My first personal computer (Serial #5) was purchased before Microsoft was even in business in Bellevue/Redmond. (That computer and printer cost over \$33,000. My last one cost \$500.) I had one of the first "tell-a-copiers" now called a FAX machine. I had conference calling capability before they were commonly available. Owning an all electric car just seemed natural to me.

Donald F Baer
Phone 253-852-3932
Email donpatbaer@gmail.com
918 East Laurel Street
Kent WA 98030-6232

Note: Today's trip in our all Electric Nissan LEAF from Kent, WA to Olympia, WA cost us \$1.53 & Round Trip \$3.06
At \$2.21/gallon the trip in a "gasser" would have cost the average driver \$6.63 & Round Trip \$13.26

RECORDED
PROPERTY MANAGEMENT
2016 MAR 10 PM 2:47
STATE OF WASHINGTON
UTILITIES AND TRANSPORTATION
COMMISSION

Prepared by Donald F Baer as a courtesy for the use of Nissan LEAF Car Owners

Email: donpatbaer@gmail.com

DCFC (Direct Current Fast Charge) Stations are also called L3 & take ~30/40 minutes to fully charge

BL=Ecotality / Blink Phone 1-888-998-2546

eVgo=NRG EV Services, Inc Phone 1-877-494-3833

AE=AeroVironment Phone 1-888-833-2148

GE=General Elec Phone 1-888-434-7378

SC=SemaConnect Phone 1-800-663-5633

#	Type	Hiway	Exit #	Elev	City	Street Address	Description	Type
1	L3	I-5	Ex310	~100'	Surrey, BC	12388 88th Ave	CleanEnergy Solutions - 604-590-7500	BL
2	L3	I-5	Ex300	~100'	Surrey, BC	17710 56A Ave	Surrey Museum - 604-592-6956	?
3	L3	I-5	Ex250	68'	Bellingham, WA	222 - 36th Street	Sehome Village Starbucks	AE
4	L3	I-5	Ex229	23'	Burlington, WA	446 Fashion Way	Outlet Shopping Mall near Gap Store	AE
5	L3	I-5	Ex189?	125'	Everett, WA	10520 Evergreen Way E	Magic Nissan # 425-347-5763-Avail 24/7	?
6	L3	I-5	Ex189	125'	Edmonds, WA	24325 Hwy 99	Campbell Nelson Nissan #1-800-5562-4392	AE
7	L3	I-5	Ex175	~150'	Lake City, WA	13206 Lake City Way	Fred Meyer	BL
8	L3	I-5	Ex167	~50'	Seattle, WA	101 Westlake N	So of Lake Union in unattended on North Side	BL
9	L3	I-5	Ex166	200'	Seattle, WA	1412 Blk Harvard Ave between Pike & Pir	Bartells Drug & QFC Store	BL
10	L3	I-90	Ex11	301'	Bellevue WA	14762 SE Eastgate Way	Nissan of the Eastside 425-289-1200 - Use GPS to find	eVgo
11	L3	Hi167	Ex154	16'	Renton, WA	3401 E Valley	Yunker Nissan - Phone 425-251-8100 - Open Dealers	?
12	L3	Hi167	Ex161	125'	Auburn, WA	1416 Harvey Rd	Walgreens	BL
13	L3	Hi167	Ex161	125'	Auburn, WA	1701 Auburn Way S	Walgreens just S of Hiway 18	BL
13	L3	I-5	Ex137	125'	Fife, WA	6005 Hi 99	Tahoma Market - one of Most Used in USA	BL
13	L3	US101	Ex104	100'	Olympia, WA	2220 Carriage St SW, off - 5 and US 101	Olympia Nissan - approx 5 min from Ex104 on I-5	
14	L3	I-5	Ex102	100'	Tumwater, WA	6131 Capital Blvd	Tumwater Deli & Shell Gas Station = A+	AE
15	L3	I-5	Ex82	187'	Centralia, WA	817 Harrison Ave	Wendy's	AE
16	L3	I-5	Ex49	26'	Castle Rock, WA	204 W Cowlitz St	Cascade Select Market	AE
17	L3	I-5	Ex14	360'	Ridgefield, WA	6370 Pioneer	Country Café on East side of Freeway Exchange	AE
18	L3	I-5	Ex8 ?	171'	Salmon Creek, WA	800 NE Tenney Rd	Fred Meyer's #460 at Salmon Creek	BL
19	L3	I-5	Ex1A	39'	Vancouver, WA	2500 Columbia House Blvd	Fred Meyer	BL
20	L3	I-5	Ex300	20'	Portland, OR	633SW Montgomery	PSU Electric Ave - Hard to find !	?
21	L3	I-5	Ex294	300'	Tigard, OR	11565 SW Hi 99	Fred Meyer, Lots of Problems reported at this Station	BL
22	L3	I-5	Ex289	196'	Tualatin, OR	19200 SW Martinazzi Ave	Fred Meyer - Near Garden Shop	BL
23	L3	I-5	Ex283	154'	Wilsonville, OR	Near 8231 Wilsonville Rd	Behind Chase Bank - Enormous Parking Lot	BL
24	L3	I-5	Ex271	197'	Woodburn, OR	2895 Newberg Hwy	McDonalds - Near Best Western	AE
25	L3	I-5	Ex256	154'	Salem, OR	3740 Market NE	Fred Meyer behind Denney's on East side of freeway	BL
26	L3	I-5	Ex228	212'	Albany, OR	33157 Oregon 34	Tangent Chevron - Sing says CFN	AE
27	L3	I-5	Ex216	280'	Halsey, OR	33180 Hiway 228	Pioneer Villa Trk Plaza	BL
28	L3	I-5	Ex195	454'	Springfield, OR	840 Beltline Rd	Gateway Marketplace	AE
29	L3	I-5	Ex174	640'	Cottage Grove, OR	1590 Gateway Blvd	Vintage Inn Restaurant	AE
30	L3	I-5	Ex148	430'	Oakland, OR	621 John Long Rd	Motel 6	AE
31	L3	I-5	Ex125	528'	Roseburg, OR	227NW Garden Valley Blvd	Brutke's Wagon Wheel	AE
32	L3	I-5	Ex99	750'	Canyonville, OR	130 Creekside Rd	7 Feathers Truck & Travel Center	AE
33	L3	I-5	Ex76	1361'	Wolf Creek, OR	100 Front St	Wolf Creek Inn (Tavern)	AE
34	L3	I-5	Ex58	960'	Grants Pass, OR	1995 NW Vine St	Chamber of Commerce	AE
35	L3	I-5	Ex33	1272'	Central Point, OR	1510 E Pine St	Fairground Chevron near McDonalds	AE
36	L3	I-5	Ex14	2000'	Ashland, OR	2371 Ashland Street	Ashland Texaco	AE
					<i>Ashland is the last charge station until Sacramento, CA 295 Miles away - Forget it in a Leaf Yr 2015 or older</i>			

Suggested Sites:

<http://www.plugshare.com>

<http://www.westcoastgreenhighway.com/electrichighwayfaq.htm>

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Saturday, July 18, 2015

Traversing Stevens Pass (4061' elevation) to Eastern Washington

	L3	I-5	Ex189 ?	79'	Everett, WA	10520 Evergreen Way E	Magic Nissan # 425-347-5763-Avail 24/7	CP
37	L3	US-2	SR23	108'	Sultan, WA	320 Main St	Ski Valley Chamber of Commerce	AE
38	L3	US-2	Sr49	928'	Skykomish, WA	148 N 5th	Ski Deli & Liquor	AE
	L2	US-2	Sr65	4061'	Stevens Pass Summ	There are two L2 Public Charge Stations at the summit		
39	L3	US-2	Sr100	1171'	Leavenworth, WA	700 Hiway 2	City Hall	AE
40	L3	US-2	Sr127	780'	Wenatchee, WA	200 N Columbia	Convention Center	AE
Wenatchee to Vantage is 36 Miles - Wenatchee to Quincy 32 Miles - Quincy to Moses Lake 37 Miles - Quincy to George 12 Miles								
	NEMA	US-2	Sr181	1302'	Quincy, WA	9252 Crescent Bar Rd NW	RV Park 509-787-4349 NEMA 14-30 & NEMA 14-50	NEMA
	NEMA	I-90	Ex136	663'	Vantage, WA	551 Main Street	RV Park 30A Hookups 509-856-2800	NEMA
Traversing via I-90 Snoqualmie Pass 3022' elevation to Eastern Washington and on to Spokane - with difficulty.								
41	L3	I-90	Ex11	100'	Bellevue, WA	3036 Snoqualmie River Rd	Bellevue Comm College, 148th SE & SE 24th St	BL
42	L3	I-90	Ex52	3022'	Snoqualmie Summ	521 Washington 906	Chevron Station & Summit Deli & Gas	AE
43	L3	I-90	Ex80	1913'	Cle Elum, WA	3600 Suncadia Trail	Suncadia Lodge, ~8 miles No. of Freeway, steals range	AE
	L2	I-90	Ex109	1542'	Ellensburg, WA	1304 Canyon Rd	McDonalds	BL
	NEMA	I-90	Ex136	663'	Vantage, WA	551 Main Street	RV Park 30A Hookups 509-856-2800	NEMA
	NEMA	I-90	Ex149	1227'	George, WA	404 S Front Rd 69Miles down Hill from Cle	Truck Stop - food, NEMA 14-30R & NEMA 5-20	NEMA
	L3	I-90	Ex176	1070'	Moses Lake ,WA	Coming: Mandated to spend \$125,000 to install a DCFC Station in Moses Lake in 2015		
	L2	I-90	Ex176	1070'	Moses Lake ,WA	306 Ash Street	Sinkius Square	SC
	NEMA	I-90	Ex221	1818'	Ritzville, WA	105 W Galbreath Way	Best Western - TESLA ONLY with Questionable NEMA	NEMA
	NEMA	I-90	Ex231	1818'	Sprague, WA			
	L2	I-90	Ex232	1843'	Spokane Valley, W	6901 E Sprague Ave	Jaremko Nissan - 509-989-7200	?
Traversing Hiway #22 to Bend, OR across Santiam Pass & Hoodoo Ski Facilities. There are NO Charging facilities at the Summit.								
	L3	I-5	Ex256	154'	Salem, OR	3740 Market NE	Fred Meyer behind Denney's	BL
44	L3	Hi22	Ex32	862'	Mill City OR	320 NW Santium Blvd	Mountain Edge Café - Keep speed under 50	AE
45	L3	Hi22	Ex53	1595'	Detroit, OR	210 D St Also 5 Tesla Charge	Mountain Hi Grocery - Keep speed under 50	AE
46	L3	Hi22	Ex68	2438'	Marion Forks, OR	Planned L3 Station	- Keep speed under 50 if you want to make it!	
			Ex92	4817'	NO Charge stations at the Top, Hoodoo Ski Facilities but down grade for the next 6 miles toward Sisters, OR			
47	L3	Hi22	Ex110	3182'	Sisters, OR	1001 West Railway Ave	McDonald's - You can make it to Bend & back to Siste	AE
	L2	Hi22	Ex131	3623'	Bend, OR	1835 US 20	Smolich Nissan Dealer	?
	L3	I-90	Ex11	301'	Bellevue WA	14762 SE Eastgate Way	Eastside Nissan - 425-289-1200 - Use GPS to find them	eVgo
48	L3	I-405			Bellevue WA	2041 148TH Ave NE	Fred Meyer East of I405 & So of 520	BL
49	L3	I-405	Ex20		Totem Lake, Kirkla	12221 120th NE	Fred Meyer on I405	BL
50	L3	Hiw3	Ex45A	125'	Silverdale, WA	3909 NW Randall Way	YMCA Available 24/7	BL
51	L3	I-405	Ex40?	125'	Bremerton, WA	3929 Kitsap Way	Walgreens 24/7	
	L3	I-5	Ex49		Castle Rock, WA to	Astoria, OR via Longview, WA is 66 Miles	Castle Rock, OR to Westport Or is 39 miles & 26 miles to Astoria	
				220'	Westport, OR	49289 US 30	Westport, OR is 26 miles to Astoria, OR	AE
52	L3	US 30	0	23'	Astoria, OR	900 Marine Dr	Astoria Transit Center	AE
53	L3	US101	25	85'	Canon Beach, OR	340 Elk Creek Rd	Cannon Beach RV Park	AE
54	L3	US101	47	16'	Tillamook , OR	2400 N Main Ave	Fred Meyer	AE
55	L3	US101	44	4'	Lincoln City, OR	540 US101	Lincoln City Cultural Center	AE
	L3	US101	Ex104	100'	Olympia, WA	2220 Carriage St SW, off - 5 and US 101	Olympia Nissan - approx 5 min from Ex104 on I-5	
	L2	SR109	50 Mi	10'	Aberdeen, WA	300 S Boone St	Near Chev Dealer	
	L1	SR115	20 Mi	13'	Ocean Shores, WA	773 Ocean Shores Blvd NW 360-289-2040	Quality Inn Parking Lot with 110 Out to Room	

Note: With a modification to your 110 Volt AC Charging equipment you can charge at RV Parks, Dryer Outlets, etc using a NEMA 14-50 Adapter

I am NOT responsible for any errors or omission. However, I WOULD APPRECIATE ANY CHANGES OR CORRECTIONS TO THIS FREE CHART.