

WA Plug-in Electric Vehicle Update through June 2017

WSDOT provides an update on the number of plug-in electric vehicles registered in the state twice per year. Normally, the Department of Licensing provides raw registration data to WSDOT through the end of the calendar year and through the end of June. We skipped December 2016 because DOL was implementing a new database. The following insights are based on an analysis of the registration data as of June 30, 2017, and include some trends, as well.

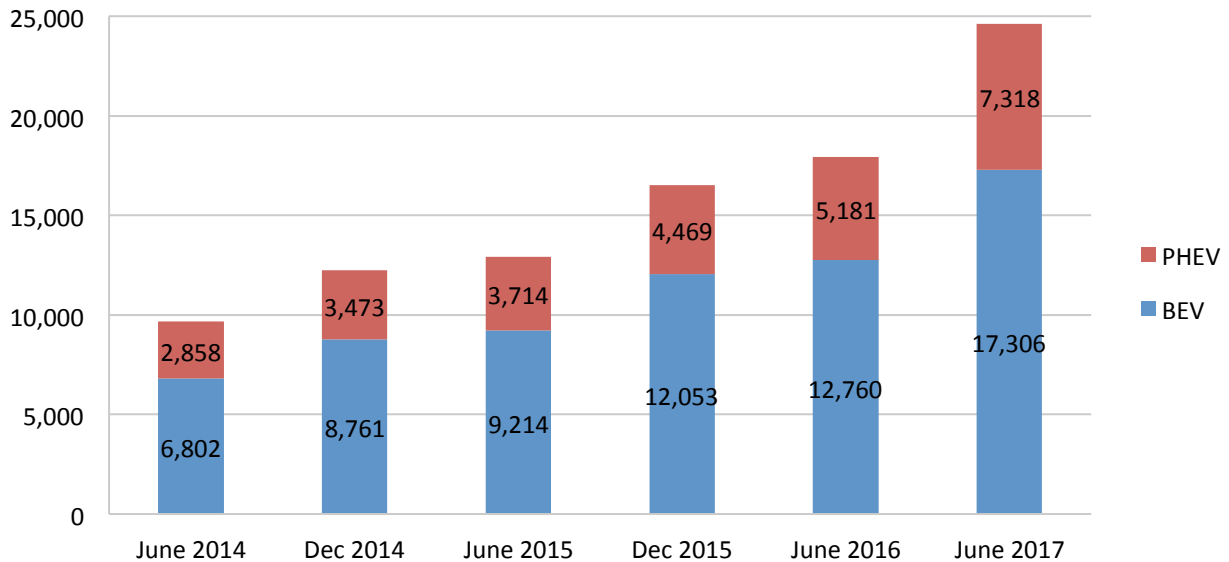
This write up includes the following analyses:

- Total registrations of battery electric vehicles (BEV) and plug-in hybrid electric vehicles (PHEV)
- Percentage split between BEV and PHEV registration
- Year over year EV registration growth
- BEV registration counts
- PHEV registration counts
- EV growth by county
- EV registration growth by vehicle model
- EV registration by model and model year
- EV registration counts by county

Highlights

- As of June 30, 2017, there were 24,624 plug-in electric vehicles (EV) registered in Washington State.
 - Battery electric vehicles (BEV): 17,306
 - Plug-in hybrid electric vehicles (PHEV): 7,318
- Since July 2016, EV registrations increased by 37 percent.
- Clark County has passed the 1,000 mark with 1,239 EVs registered.
- Snohomish County has passed the 2,000 mark and now has 2,596 EVs registered.
- Pend Oreille has the largest percent increase going from three to eight vehicles.
- King County had the largest total increase at 3,505 vehicles for a total now of 13,777.

Total Plug-in Electric Vehicle Registrations



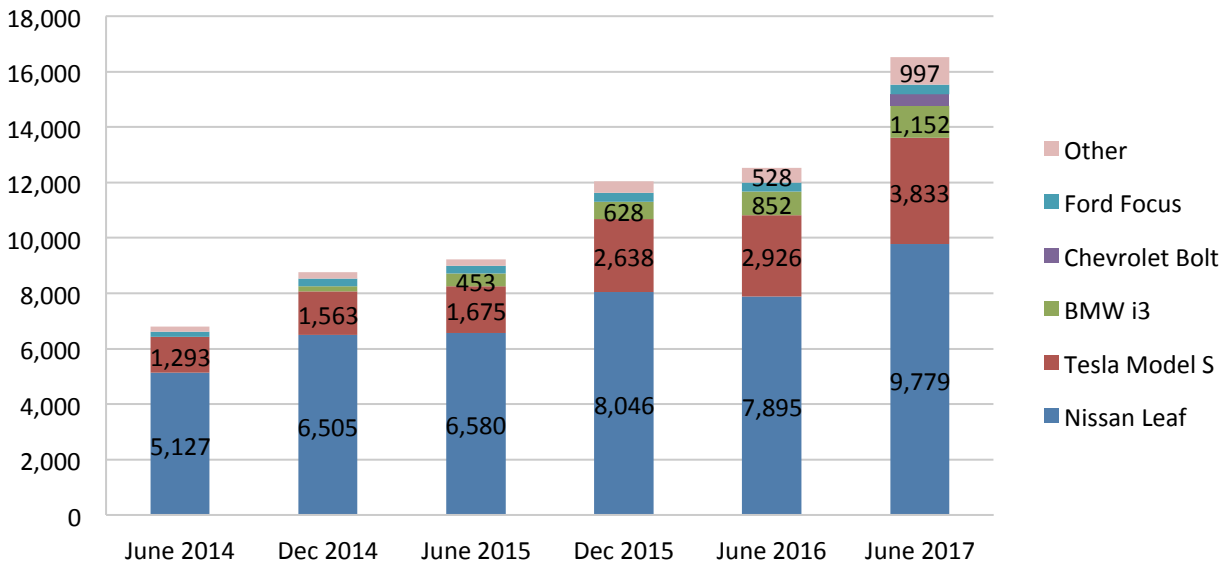
Total EV Registrations and BEV/PHEV split

	June 2014	Dec 2014	June 2015	Dec 2015	June 2016	June 2017
Total	9,665	12,235	12,928	16,529	17,941	24,624
BEV	70%	72%	71%	73%	71%	70%
PHEV	30%	28%	29%	27%	29%	30%

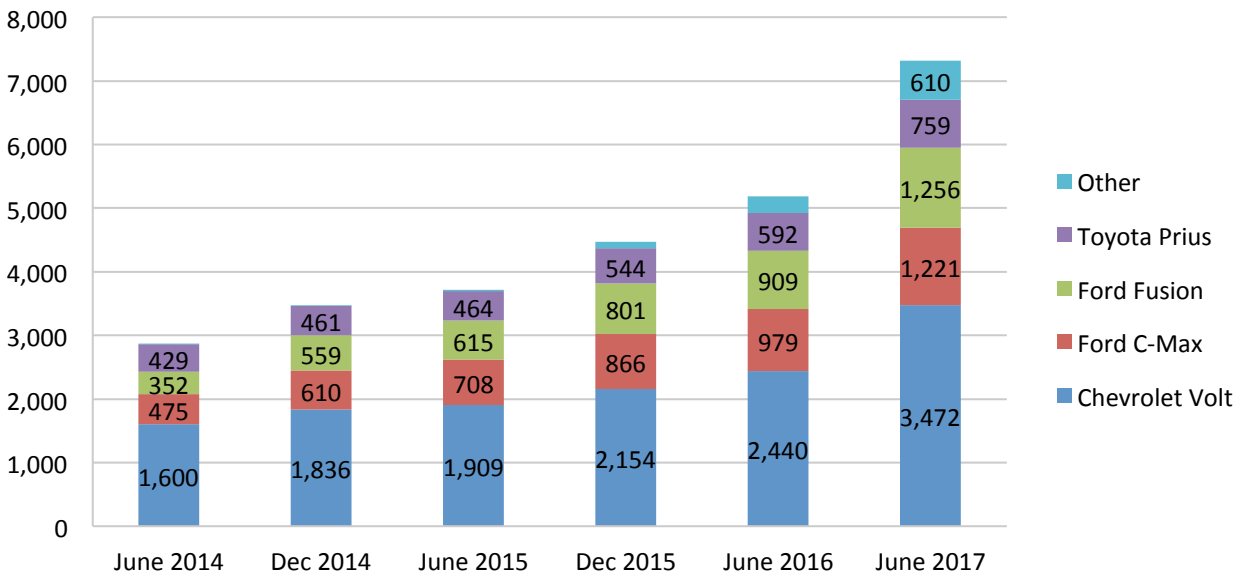
Annual EV Registration Growth

	June 30, 2015	December 31, 2015	June 30, 2016	June 30, 2017
BEV	35%	38%	38%	36%
PHEV	30%	29%	39%	41%
Total	34%	35%	39%	37%

Battery Electric Vehicle Registrations by Model¹



Plug-in Hybrid Electric Vehicle Registrations by Model



¹ For a full list of registrations by model see the chart on page 5.

Growth by County (June 2016 to June 2017)

	BEV			PHEV			All		
	Total ²	Inc. ³	% Inc. ⁴	Total	Inc.	% Inc.	Total	Inc.	% Inc.
Adams	2	1	100%	3	2	200%	5	3	150%
Asotin	7	3	75%	3	1	50%	10	4	67%
Benton	157	41	35%	126	47	59%	283	88	45%
Chelan	69	28	68%	36	8	29%	105	36	52%
Clallam	89	21	31%	70	24	52%	159	45	39%
Clark	809	229	39%	430	123	40%	1,239	352	40%
Columbia	1	1	-	1	0	0%	2	1	100%
Cowlitz	47	7	18%	55	23	72%	102	30	42%
Douglas	34	12	55%	28	13	87%	62	25	68%
Ferry	2	0	0%	1	0	0%	3	0	0%
Franklin	31	6	24%	41	20	95%	72	26	57%
Garfield	0	0	-	0	0	-	0	0	-
Grant	22	11	100%	27	11	69%	49	22	81%
Grays Harbor	38	13	52%	35	19	119%	73	32	78%
Island	121	31	34%	141	49	53%	262	80	44%
Jefferson	103	37	56%	57	20	54%	160	57	55%
King	10,463	2,581	33%	3,314	924	39%	13,777	3,505	34%
Kitsap	622	139	29%	290	109	60%	912	248	37%
Kittitas	29	18	164%	22	10	83%	51	28	122%
Klickitat	24	7	41%	19	2	12%	43	9	26%
Lewis	54	19	54%	34	7	26%	88	26	42%
Lincoln	2	0	0%	5	2	67%	7	2	40%
Mason	56	15	37%	63	18	40%	119	33	38%
Okanogan	6	6	-	14	4	40%	20	10	100%
Pacific	12	9	300%	6	2	50%	18	11	157%
Pend Oreille	4	3	300%	4	2	100%	8	5	167%
Pierce	1,021	271	36%	737	197	36%	1,758	468	36%
San Juan	109	44	68%	35	11	46%	144	55	62%
Skagit	146	51	54%	85	29	52%	231	80	53%
Skamania	9	2	29%	5	-1	-17%	14	1	8%
Snohomish	1,800	509	39%	796	225	39%	2,596	734	39%
Spokane	268	51	24%	190	53	39%	458	104	29%
Stevens	10	4	67%	21	6	40%	31	10	48%
Thurston	563	211	60%	342	101	42%	905	312	53%
Wahkiakum	0	0	-	2	1	100%	2	1	100%
Walla Walla	29	16	123%	25	11	79%	54	27	100%
Whatcom	467	154	49%	165	75	83%	632	229	57%
Whitman	11	1	10%	17	0	0%	28	1	4%
Yakima	51	23	82%	51	15	42%	102	38	59%
Out of State	18	-29	-62%	22	-26	-54%	40	-55	-58%
Total	17,306	4,546	36%	7,318	2,137	41%	24,624	6,683	37%

² Total registrations at the end of June 2017.³ Increase in registrations since June 2016.⁴ Percent increase in registrations since June 2016.

Registration Growth by Vehicle Model (June 2016 to June 2017)

	Make/Model	Total⁵	Increase⁶	% Increase⁷
Battery Electric Vehicles	Azure Transit	4	0	0%
	BMW i3	1,152	300	35%
	Chevrolet Bolt	424	424	-
	Chevrolet Spark	64	43	205%
	Coda Sedan Electric	0	-1	-100%
	Fiat 500E	259	196	311%
	Ford Focus	339	17	5%
	Ford Transit	2	1	100%
	Honda FIT	1	0	0%
	Hyundai Ioniq	1	1	-
	KIA SOUL EV	206	116	129%
	Mercedes-Benz B-Class	66	17	35%
	Mercedes-Benz Smart For Two	141	27	24%
	Mitsubishi i-MiEV	94	17	22%
	Nissan Leaf	9,779	1,884	24%
	Tesla Model S	3,833	907	31%
	Tesla Model X	782	545	230%
	Tesla Roadster	70	1	1%
	Toyota RAV 4	36	16	80%
	VW E-Golf	53	35	194%
	BEV Total	12,760	4,546	36%
Plug-in Hybrid EVs	Audi e-tron	269	180	202%
	BMW i8	54	10	23%
	Cadillac ELR	73	6	9%
	Chevrolet Volt	3,472	1,032	42%
	Chrysler Pacifica	29	29	-
	Fisker Karma	17	3	21%
	Ford C-Max	1,221	242	25%
	Ford Fusion	1,256	347	38%
	Honda Accord	3	-1	-25%
	Toyota Prius	759	167	28%
	Volvo XC90	165	122	284%
		Total	7,318	2,137
	Total	24,624	6,683	37%

⁵ Total registrations at the end of June 2017.

⁶ Increase in registrations since June 2016.

⁷ Percent increase in registrations since June 2016.

Active Registrations by Vehicle Model Year (as of 6/30/2017)

	Make Model	2008	2010⁸	2011	2012	2013	2014	2015	2016	2017	Total
Battery EV	Azure Transit			3	1						4
	BMW i3						451	318	188	195	1,152
	Chevrolet Bolt									424	424
	Chevrolet Spark						45	14	5		64
	Fiat 500E					129	47	82	1		259
	Ford Focus				18	122	96	60	40	3	339
	Ford Transit			1	1						2
	Honda FIT						1				1
	Hyundai Ioniq									1	1
	KIA SOUL EV							2	198	6	206
	Mercedes-Benz B-Class						27	31	6	2	66
	Mercedes-Benz Smart For Two					33	65	36	7		141
	Mitsubishi i-MiEV				63		16	1	13	1	94
	Nissan Leaf			946	751	2,455	762	2,516	1,774	575	9,779
	Tesla Model S		1		148	847	665	1,007	872	293	3,833
	Tesla Model X								603	179	782
	Tesla Roadster	22	33	15							70
Toyota RAV 4				8	26	2				36	
VW E-Golf								33	20	53	
	BEV Total	22	34	965	990	3,612	2,177	4,100	3,727	1,679	17,306
Plug-in Hybrid EV	Audi e-tron								157	112	269
	BMW i8						9	29	16		54
	Cadillac ELR						56		17		73
	Chevrolet Volt			71	562	917	610	224	63	1,025	3,472
	Chrysler Pacifica									29	29
	Fisker Karma				17						17
	Ford C-Max					438	255	258	270		1,221
	Ford Fusion					244	299	175	330	208	1,256
	Honda Accord						3				3
	Toyota Prius				369	249	100	41			759
	Volvo XC90								103	62	165
		PHEV Total	0	0	71	948	1,848	1,332	727	956	1,436
	Total	22	34	1,036	1,938	5,460	3,509	4,827	4,683	3,115	24,624

⁸ No 2009 model year PEVs are registered in Washington.

WA Battery Electric Vehicle (BEV) Registration by County (as of 6/30/2017)

County	Nissan ⁹	Tesla	BMW	Chevrolet	Ford	Fiat	Other ¹⁰	BEV Total
Adams	1	0	0	0	0	0	1	2
Asotin	7	0	0	0	0	0	0	7
Benton	101	32	8	2	5	0	9	157
Chelan	41	24	1	1	1	1	0	69
Clallam	55	18	0	10	4	0	2	89
Clark	474	204	38	23	17	11	42	809
Columbia	0	0	0	1	0	0	0	1
Cowlitz	27	16	1	1	2	0	0	47
Douglas	27	4	1	1	0	0	1	34
Ferry	1	1	0	0	0	0	0	2
Franklin	21	3	3	2	1	0	1	31
Garfield	0	0	0	0	0	0	0	0
Grant	11	6	2	0	1	0	2	22
Grays Harbor	19	6	2	1	2	4	4	38
Island	62	41	4	6	1	4	3	121
Jefferson	67	17	3	8	2	3	3	103
King	5,449	3,295	846	192	198	162	321	10,463
Kitsap	428	108	29	16	12	8	21	622
Kittitas	9	19	0	1	0	0	0	29
Klickitat	11	10	1	0	1	0	1	24
Lewis	35	10	0	2	2	0	5	54
Lincoln	0	1	1	0	0	0	0	2
Mason	31	16	3	2	1	0	3	56
Okanogan	3	2	1	0	0	0	0	6
Pacific	3	6	0	3	0	0	0	12
Pend Oreille	4	0	0	0	0	0	0	4
Pierce	622	214	66	32	29	18	40	1,021
San Juan	82	15	2	3	0	1	6	109
Skagit	74	43	12	9	4	3	1	146
Skamania	4	4	0	1	0	0	0	9
Snohomish	1,250	310	79	26	39	14	82	1,800
Spokane	163	63	13	8	5	8	8	268
Stevens	4	4	2	0	0	0	0	10
Thurston	311	71	22	121	8	8	22	563
Wahkiakum	0	0	0	0	0	0	0	0
Walla Walla	15	9	1	3	0	0	1	29
Whatcom	333	86	5	8	3	12	20	467
Whitman	6	4	0	1	0	0	0	11
Yakima	22	17	4	1	2	2	3	51
Out of State	6	6	2	3	1	0	0	18
Total	9,779	4,685	1,152	488	341	259	602	17,306

⁹ For a complete list of the makes and models of plug-in electric vehicles currently registered in Washington, please see pages 5 and 6.

¹⁰ Other includes Mercedes-Benz (207), Kia (206), Mitsubishi (94), VW (53), Toyota (36), Azure (4), Hyundai (1), Honda (1).

WA Plug-in Hybrid Vehicle (PHEV) Registration by County (as of 6/30/2017)

County	Chevrolet ¹¹	Ford	Toyota	Audi	Volvo	Other ¹²	PHEV Total	Grand Total
Adams	0	3	0	0	0	0	3	5
Asotin	1	1	0	0	0	1	3	10
Benton	65	46	9	0	1	5	126	283
Chelan	26	3	5	1	1	0	36	105
Clallam	35	17	18	0	0	0	70	159
Clark	213	162	40	6	4	5	430	1,239
Columbia	0	0	1	0	0	0	1	2
Cowlitz	30	21	4	0	0	0	55	102
Douglas	15	8	3	0	1	1	28	62
Ferry	1	0	0	0	0	0	1	3
Franklin	21	16	4	0	0	0	41	72
Garfield	0	0	0	0	0	0	0	0
Grant	10	12	3	1	0	1	27	49
Grays Harbor	12	18	3	0	0	2	35	73
Island	71	54	12	1	2	1	141	262
Jefferson	28	16	10	0	1	2	57	160
King	1,427	1,076	383	199	122	107	3,314	13,777
Kitsap	151	96	24	13	5	1	290	912
Kittitas	15	3	3	0	0	1	22	51
Klickitat	7	5	5	1	0	1	19	43
Lewis	21	7	5	1	0	0	34	88
Lincoln	3	2	0	0	0	0	5	7
Mason	45	11	3	1	0	3	63	119
Okanogan	6	5	3	0	0	0	14	20
Pacific	3	2	1	0	0	0	6	18
Pend Oreille	1	2	1	0	0	0	4	8
Pierce	376	274	56	10	9	12	737	1,758
San Juan	16	11	4	2	1	1	35	144
Skagit	36	38	8	1	1	1	85	231
Skamania	3	0	2	0	0	0	5	14
Snohomish	374	315	74	10	9	14	796	2,596
Spokane	106	65	9	3	1	6	190	458
Stevens	15	4	2	0	0	0	21	31
Thurston	197	102	30	7	2	4	342	905
Wahkiakum	0	2	0	0	0	0	2	2
Walla Walla	15	6	3	0	0	1	25	54
Whatcom	83	44	24	11	2	1	165	632
Whitman	9	5	3	0	0	0	17	28
Yakima	29	15	1	1	1	4	51	102
Out of State	6	10	3	0	2	1	22	40
Total	3,472	2,477	759	269	165	176	7,318	24,624

¹¹ For a complete list of the makes and models of plug-in electric vehicles currently registered in Washington, please see pages 5 and 6.

¹² Other includes Cadillac (73), BMW (54), Chrysler (29), Fisker (17), and Honda (3).