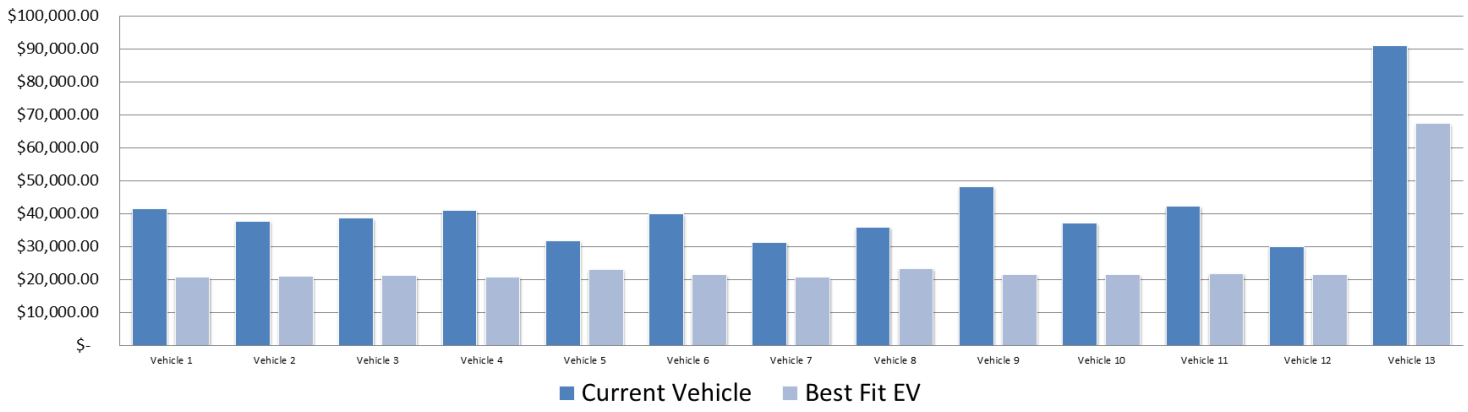
FleetCarma Electric Vehicle Suitability Assessment

Assessment Period: November 2013
Fleet Assessed: Thompson Rivers University

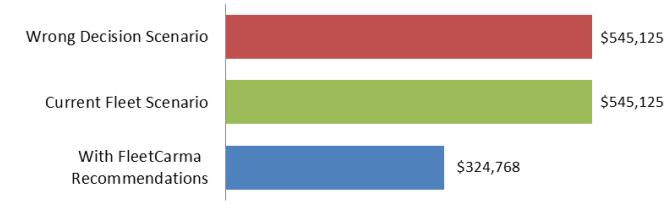
Total Cost of Ownership of Current Vehicle vs. Recommended Electric Vehicle



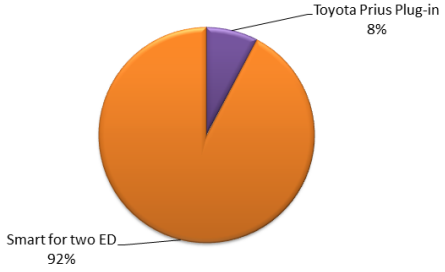
Recommended Fleet Breakdown by Powertrain Type

Fleet Cost in Each Vehicle Selection Scenario

(7 year service life)



'Best Fit' EVs by Make and Model



Fleet Savings with Adoption of the Recommended EVs:

Financial savings:	40% ↓	$	220,357
Fuel avoided:	91% ↓		116,754 Litres
Emission reductions:	91% ↓		355,878 kg of CO_{2e}

Study Details:

Service life per vehicle:	7 years
Cost increase factor:	3 % (annually)
Current cost of fuel:	$1.30 / Litre
Current cost of electricity:	$0.10 / kWh
Emissions factors:	
Tailpipe (Gas)	2.330 kg CO_{2e} / Litre
Upstream (Gas)	0.740 kg CO_{2e} / Litre
Upstream (Electricity)	0.020 kg CO_{2e} / kWh

Summary of EV Potential:

Vehicle Breakdown:	
Number of vehicles assessed:	13
Number of EVs recommended:	13
Number of PHEVs recommended:	1
Number of BEVs recommended:	12
Number of duty cycles when Best Fit EV was not more cost-effective:	0
Number of duty cycles when Best Fit EV was not range capable:	0
Number of duty cycles when Best Fit EV was not charge capable:	0
Average vehicle savings with recommended EVs:	**$ 16,951**
Average cost of making the wrong decision:	**$ 16,951**

Electric Vehicle Opportunities for Your Fleet

Total Cost of Ownership Table ($)

Fleet Unit No.	Current Vehicle	i-MiEV	LEAF	Focus EV	C-MAX Energi	Fusion Energi	Smart for two	Volt	Prius PHV
14	**$41,454**	$21,265	$23,304	$25,766	$28,846	$29,842	$20,676	$26,357	$28,102
5	**$37,691**	$21,391	$23,440	$25,922	$29,064	$30,064	$20,798	$26,583	$28,369
3	**$38,488**	$21,728	$23,839	$26,352	$29,519	$30,644	$21,135	$27,043	$29,124
17	**$40,912**	$21,286	$23,311	$25,793	$28,923	$30,060	$20,726	$26,433	$28,475
7	**$31,695**	$23,695	$26,007	$28,597	$31,935	$33,004	$23,040	$29,457	$31,602
4	**$39,759**	$21,990	$24,150	$26,674	$29,862	$30,900	$21,378	$27,408	$29,501
13	**$31,198**	$21,098	$23,098	$25,553	$28,636	$29,636	$20,528	$26,161	$28,017
9	**$35,864**	$23,931	$26,283	$28,898	$32,271	$33,361	$23,279	$29,821	$32,043
1	**$48,104**	$22,146	$24,338	$26,873	$30,123	$31,167	$21,530	$27,672	$29,534
8	**$37,053**	$21,958	$24,093	$26,636	$29,801	$30,826	$21,345	$27,290	$29,161
6	**$42,168**	$22,387	$24,611	$27,176	$30,439	$31,512	$21,765	$27,986	$30,113
10	**$29,911**	$21,920	$24,064	$26,584	$29,766	$30,801	$21,316	$27,316	$29,319
12	**$90,825**	$42,615	$47,266	$50,523	$70,867	$74,110	$41,527	$70,873	$67,253

Total cost of ownership includes acquisition costs, administrative costs, and operating costs, less incentives and vehicle projected resale value. Cells highlighted in green indicate potential opportunities to reduce total cost of ownership by converting to plug-in electric vehicles. For full details on cost per kilometre and electric vehicle range and charge capabilities, see the individual vehicle reports provided separately in the FleetCarma portal.