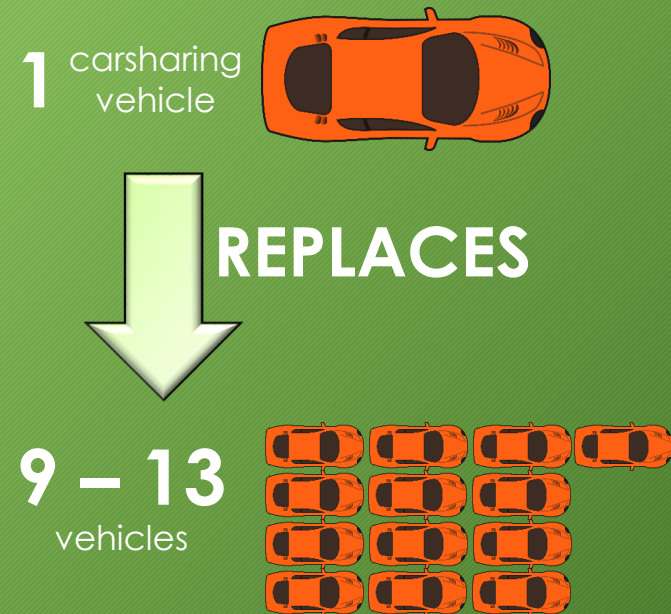
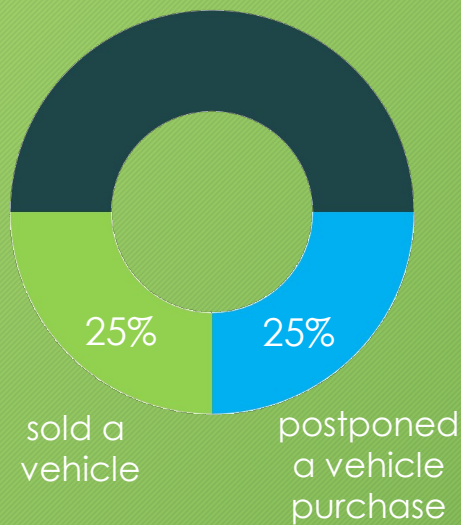
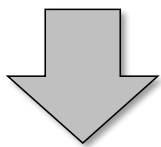


Roundtrip Impacts: North America



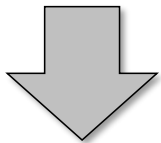
(Martin et al. 2010; Shaheen and Chan 2015)

Roundtrip Impacts: North America



.58 - .84 metric
tons
34% - 41%

Reduction of GHG emissions per year for one household



27% - 43%

Reduction of VMT per year considering vehicles sold and purchases postponed



\$154 - \$435

Monthly household savings per US member after joining carsharing



**public transit and non-motorized
modes**

More users increased (than decreased) their modal use; including bus, rail, walking, biking, and carpooling

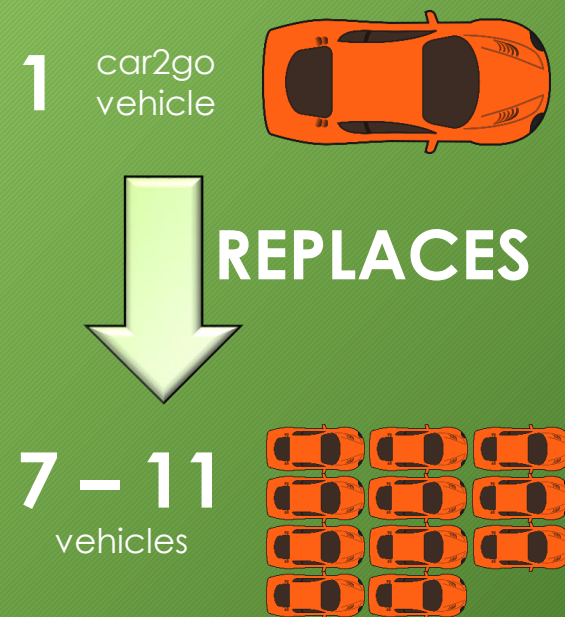
(Martin et al. 2010; Shaheen and Chan 2015)

One-way Impacts: North America



Member Vehicle Holdings

- . 2-5% Sold a vehicle
- . 1-3 Vehicles sold per a car2go vehicle
- . 7-10% Postponed a vehicle purchase / vehicle acquisition
- . 4-9 Vehicles suppressed per car2go vehicle



(Martin et al. 2016)

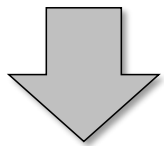
One-way Impacts: North America



City	Vehicles Sold	Vehicles Suppressed (foregone purchases)	Total Vehicles Removed per Carsharing Vehicle	Range of Vehicles Removed per Carsharing Vehicle	% Reduction in VMT by Car2go Hhd	% Reduction in GHGs by Car2go Hhd
Calgary, AB (n=1,498)	2	9	11	2 to 11	-6%	-4%
San Diego, CA (n=824)	1	6	7	1 to 7	-7%	-6%
Seattle, WA (n=2,887)	3	7	10	3 to 10	-10%	-10%
Vancouver, BC (n=1,010)	2	7	9	2 to 9	-16%	-15%
Washington, D.C. (n=1,127)	3	5	8	3 to 8	-16%	-18%

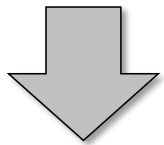
(Martin et al. 2016)

One-way Impacts: North America



4% - 18%

Average reduction of GHG emissions per year per car2go household



6% - 16%

Average reduction of VMT per year per car2go household

(Martin et al. 2016)