

Reimburse vs Rental

DATA for Trip								
Miles Traveled	700	500	400	300	200	100	50	
Fuel Cost	\$ 3.25	\$ 3.25	\$ 3.25	\$ 3.25	\$ 3.25	\$ 3.25	\$ 3.25	\$ 3.25
Rental Cost / day Sedan	\$ 34.00	\$ 34.00	\$ 34.00	\$ 34.00	\$ 34.00	\$ 34.00	\$ 34.00	\$ 34.00
Motor Pool Mileage charge	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25
Reimbursement Rate	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
MPG	25	25	25	25	25	25	25	25

1 day trip	700	500	400	300	200	100	50	
Mileage Reimbursement	\$ 392.00	\$ 280.00	\$ 224.00	\$ 168.00	\$ 112.00	\$ 56.00	\$ 28.00	
Motor Pool Rental	\$ 209.00	\$ 159.00	\$ 134.00	\$ 109.00	\$ 84.00	\$ 59.00	\$ 46.50	
Enterprise Rental	\$ 125.00	\$ 99.00	\$ 86.00	\$ 73.00	\$ 60.00	\$ 47.00	\$ 40.50	

2 day trip	700	500	400	300	200	100	50	
Mileage Reimbursement	\$ 392.00	\$ 280.00	\$ 224.00	\$ 168.00	\$ 112.00	\$ 56.00	\$ 28.00	
Motor Pool Rental	\$ 243.00	\$ 193.00	\$ 168.00	\$ 143.00	\$ 118.00	\$ 93.00	\$ 80.50	
Enterprise Rental	\$ 159.00	\$ 133.00	\$ 120.00	\$ 107.00	\$ 94.00	\$ 81.00	\$ 74.50	

3 day trip	700	500	400	300	200	100	50	
Mileage Reimbursement	\$ 392.00	\$ 280.00	\$ 224.00	\$ 168.00	\$ 112.00	\$ 56.00	\$ 28.00	
Motor Pool Rental	\$ 277.00	\$ 227.00	\$ 202.00	\$ 177.00	\$ 152.00	\$ 127.00	\$ 114.50	
Enterprise Rental	\$ 193.00	\$ 167.00	\$ 154.00	\$ 141.00	\$ 128.00	\$ 115.00	\$ 108.50	

4 day trip	700	500	400	300	200	100	50	
Mileage Reimbursement	\$ 392.00	\$ 280.00	\$ 224.00	\$ 168.00	\$ 112.00	\$ 56.00	\$ 28.00	
Motor Pool Rental	\$ 311.00	\$ 261.00	\$ 236.00	\$ 211.00	\$ 186.00	\$ 161.00	\$ 148.50	
Enterprise Rental	\$ 227.00	\$ 201.00	\$ 188.00	\$ 175.00	\$ 162.00	\$ 149.00	\$ 142.50	

5 day trip	700	500	400	300	200	100	50	
Mileage Reimbursement	\$ 392.00	\$ 280.00	\$ 224.00	\$ 168.00	\$ 112.00	\$ 56.00	\$ 28.00	
Motor Pool Rental	\$ 345.00	\$ 295.00	\$ 270.00	\$ 245.00	\$ 220.00	\$ 195.00	\$ 182.50	
Enterprise Rental	\$ 261.00	\$ 235.00	\$ 222.00	\$ 209.00	\$ 196.00	\$ 183.00	\$ 176.50	

Example 1: A round trip from Salt Lake City to Cedar City is about 504 miles. An outside rental would be cheapest mode of travel for all trips: 1 day to 5 days.

Example 2: A round trip from Salt Lake City to Logan is about 164 miles. Mileage reimbursement would be $(164 \times \$0.56 = \$91.84)$. For a 2 day rental the cost would be $\$89.32$ (2 day rental cost $\$34 \times 2 = \68 plus cost of gas (164 miles at 25 mpg = 6.56 gallons of gas at $\$3.25$ per gallon = $\$21.32$) = $\$89.32$). Add another day rental cost of $\$34.00$ for a 3 day rental and the cost would be $\$123.32$. A 1 or 2 day trip would be cheapest using a rental. Three day or longer trips would be cheaper with mileage reimbursement.