

PLOT5.R

```
# Loads RDS
```

```
library(ggplot2)
```

```
NEI <- readRDS("summarySCC_PM25.rds")
```

```
NEI$year <- factor(NEI$year, levels = c('1999', '2002', '2005', '2008'))
```

```
SCC <- readRDS("Source_Classification_Code.rds")
```

```
# Baltimore City, Maryland == fips
```

```
MD.onroad <- subset(NEI, fips == 24510 & type == 'ON-ROAD')
```

```
# Aggregates
```

```
MD.df <- aggregate(MD.onroad[, 'Emissions'], by = list(MD.onroad$year), sum)
```

```
colnames(MD.df) <- c('year', 'Emissions')
```

```
png('plot5.png')
```

```
ggplot(data = MD.df, aes(x = year, y = Emissions)) + geom_bar(aes(fill = year), stat = "identity") +  
guides(fill = F) + ggtitle('Total Emissions of Motor Vehicle Sources in Baltimore City, Maryland') +  
ylab(expression('PM'[2.5])) + xlab('Year') + theme(legend.position = 'none') +  
geom_text(aes(label = round(Emissions, 0), size = 1, hjust = 0.5, vjust = 2))
```

```
dev.off()
```