

# HEALTHCARE FOR THE EARTH

SHIFT FROM WORKING ONSITE TO WORKING AT HOME RESULTING IN THE DECREASE OF PERSONAL EMPLOYEE TRANSPORTATION

2.7 million  
pounds of CO<sub>2</sub>  
saved per year + \$200,000  
saved per year

# BACKGROUND & MOTIVATION

## CURRENT INITIATIVES

- Since 2013:
  - 26% reduction in energy usage
  - 38% reduction in greenhouse gas emissions
  - 33% reduction in non-regulated waste
  - 23% reduction in water use

## CARBON REDUCTION CHALLENGE

- Focus on reducing CO2 emissions by reducing employee commute to work
- Jacksonville average daily commute:
  - 18.2 miles

# CARBON REDUCTIONS AND COST SAVINGS

	Full Capacity	Current Capacity	Low Capacity
<b>Gasoline used (gal)</b>	138,105 gal	62,127 gal	36,400 gal
<b>CO<sub>2</sub> emitted (lbs)</b>	2,705,834 lbs	1,276,007 lbs	713,166 lbs
<b>Cost (\$)</b>	\$287,255	\$135,462	\$75,711
<b>Reduction in CO<sub>2</sub> (lbs)</b>	-	1,429,827 lbs	2,669,434 lbs
<b>Monetary savings (\$)</b>	-	\$151,793	\$211,544

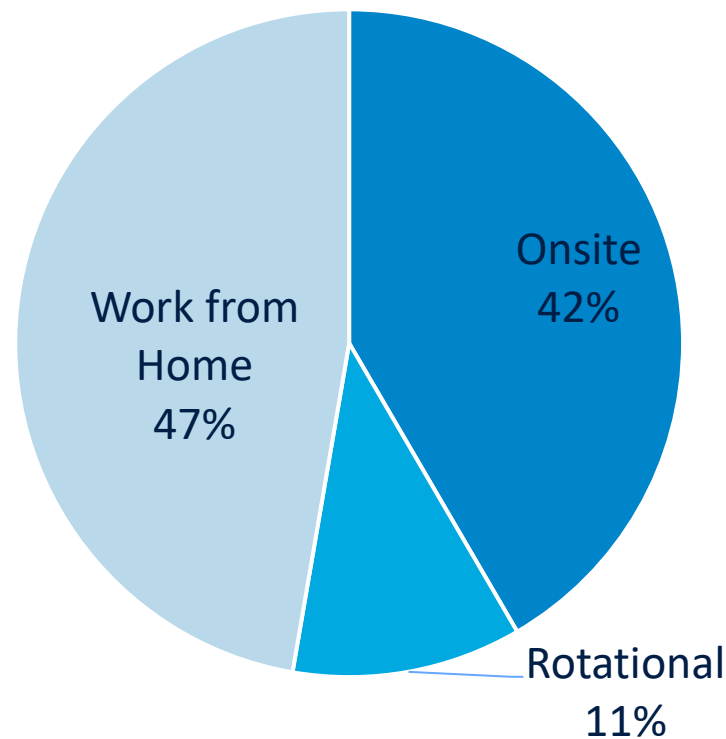
# CO-BENEFITS

## OTHER POTENTIAL BENEFITS INCLUDE:

- Less dense office space allows for social distancing in the workplace
- Reduced parking demand
- Increased productivity through eliminated commute times and workplace distractions
- Decreased tailpipe emission of particulate matter which can cause:
  - Health effects- decreased lung function, irregular heartbeat, aggravated asthma, increased respiratory symptoms
  - Environmental damage- acid rain and changes in ecosystem nutrient profiles

# NEXT STEPS & CURRENT WORK

- A partial work from home initiative has already been implemented at Medtronic



Present these findings to encourage a continued shift to working from home.

Calculate company savings and carbon reduction from reduced air travel.