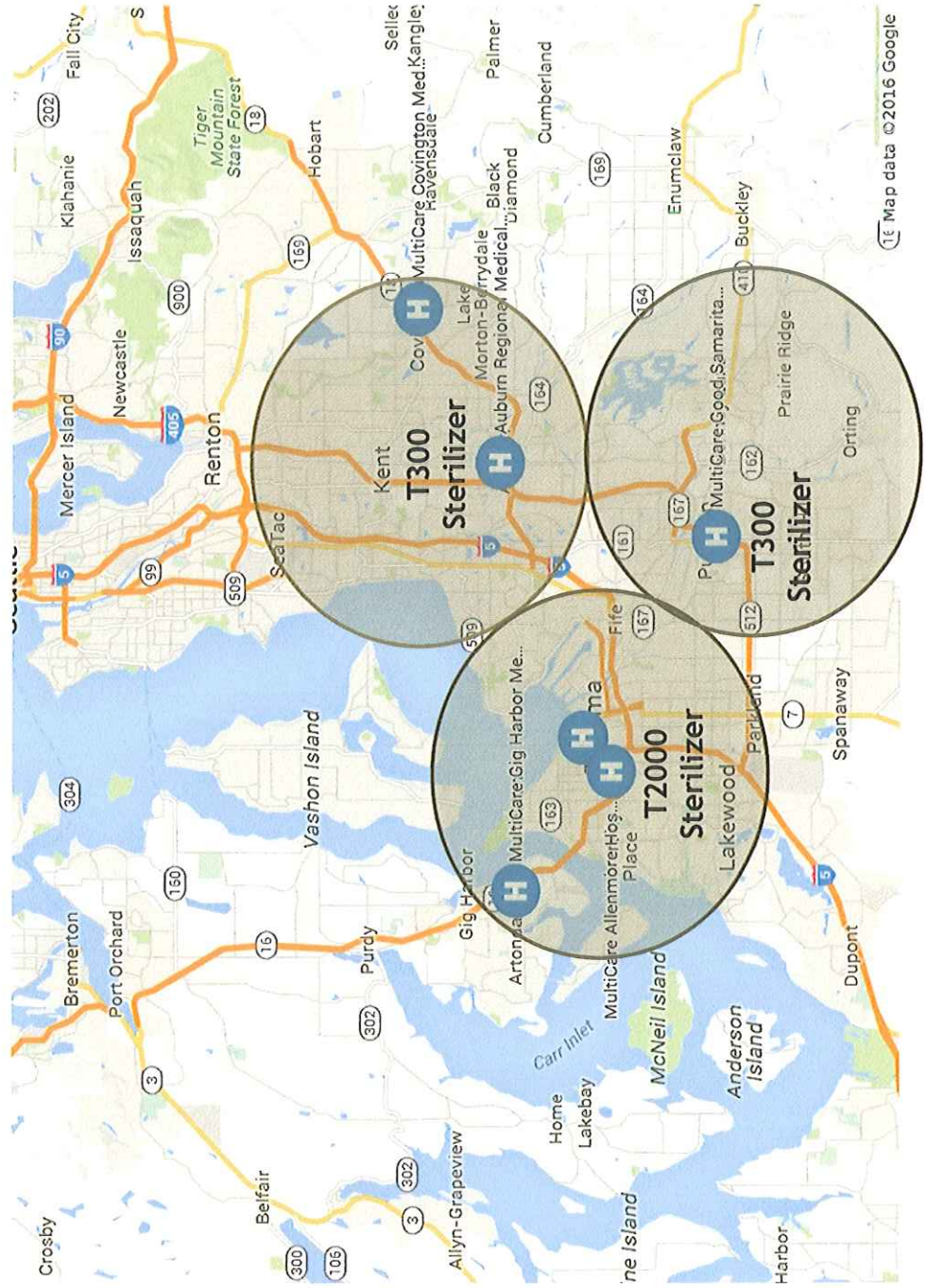


# EcoMed's Sustainable Waste Management Solutions for MHS

## Localized Onsite Waste Treatment Operations

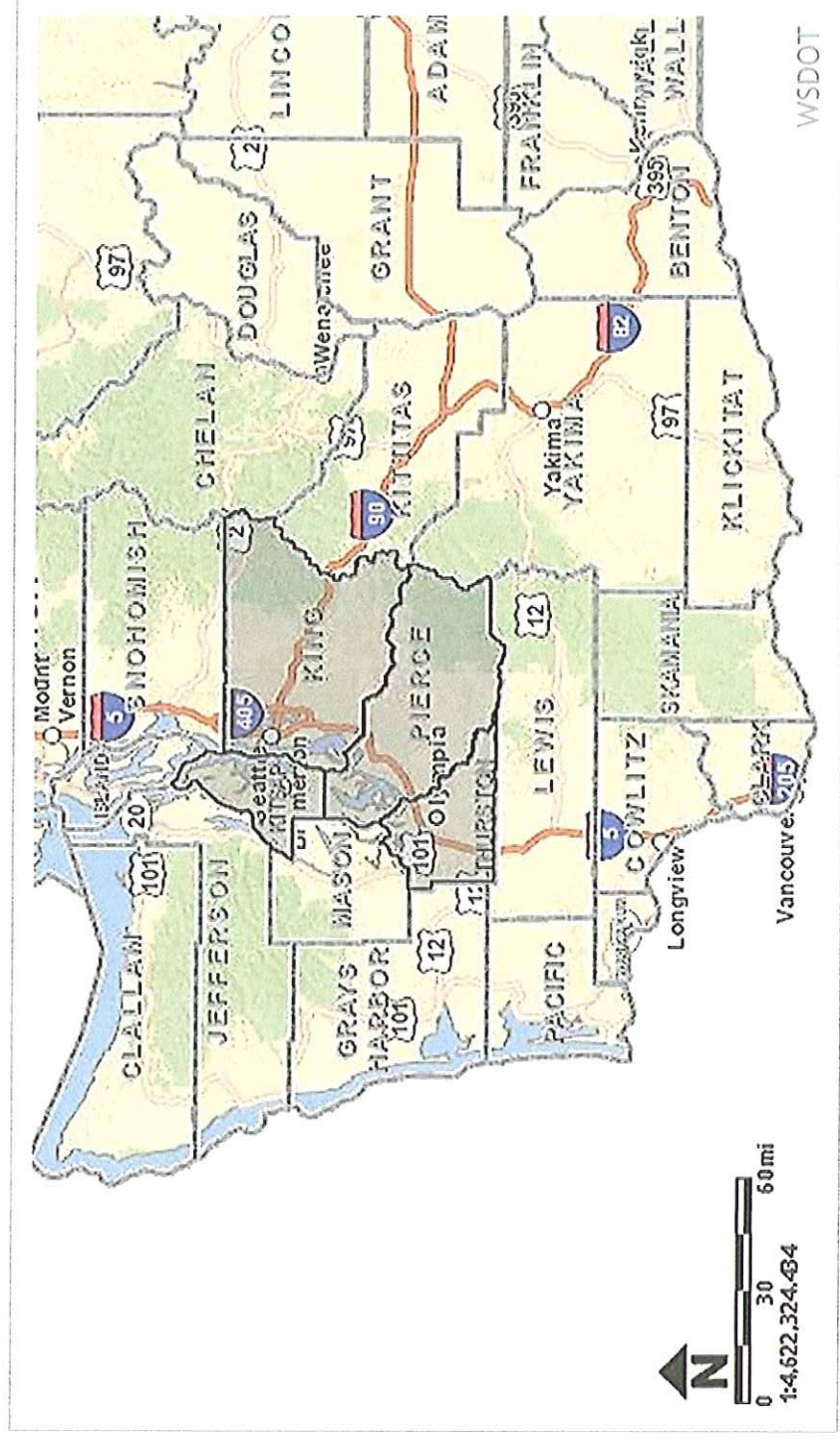
- Main Medical Centers**
- H** Auburn Regional Medical Center: Anderson Stephen MD - 195 Beds
  - H** MultiCare Good Samaritan Hospital - 286 Beds
  - H** MultiCare Allenmore Hospital - 130 Beds
  - H** Mary Bridge Children's Hospital - 82 Beds
  - H** MultiCare Tacoma General Hospital - 437 Beds
  - H** MultiCare Covington Medical Center - 58 Beds
  - H** MultiCare Gig Harbor Medical Park Imaging



- The Proposed solutions will reduce carbon footprint, traffic, and landfill impacts
- Centralized operations will improve waste management, mitigate risks, and reduce cost
- Service Area: Pierce, King, Thurston and Kitsap Counties

# EcoMed's Sustainable Waste Management Solutions for MHS

## Service Territory & County Boundaries



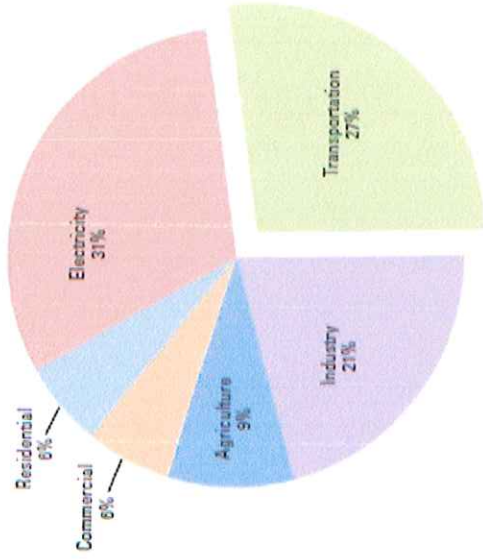
Service Area: Pierce, King, Thurston and Kitsap Counties



# EcoMed's Sustainable Waste Management Solutions for MHS Greenhouse Gas Reduction – Waste Reduction Model Equivalencies' Result

Total GHG Emissions from RMW Processing and Management	(MTCO2E)	(MTCE)
Total GHG Emissions from Baseline (Offsite Disposal and Incineration)	26,232	7,154
Total GHG Emissions from Alternative (EcoMed's Onsite Treatment and Disposal)	-155,555	-42,424
<b>Total Net Change in GHG Emissions</b>	<b>-181,787</b>	<b>-49,578</b>

- MTCO2E = Metric tons of carbon dioxide equivalent
- MTCE = Metric tons of carbon equivalent
- GHG Emissions analysis is based on the processing capacity of EcoMed's onsite solutions
- A negative value of GHG emissions indicates a reduction of emission; a positive value indicates an increase of emission.



## The total net change in GHG emissions proposed by EcoMed's Solutions is equivalent to removing annual emissions from:

<p><b>38,271</b> Passenger vehicles driven for one year</p>	<p><b>20,455,384</b> gallons of gasoline consumed</p>	<p><b>432,826,190</b> Miles driven by an average passenger vehicle</p>
<p><b>195,259,936</b> Pounds of coal burned</p>	<p><b>25,005</b> homes' electricity use for one year</p>	<p><b>4,755,088</b> Incandescent lamps switched to CFLs</p>

## U.S. GHG Emissions by Sector

Environmental Protection Agency  
Office of Transportation and Air Quality

- ❑ The U.S. healthcare sector accounts for 8% of the total national carbon-dioxide emissions
- ❑ Hospitals alone create 6,600 tons of waste a day, that's about 25 lbs of waste per day per patient.
- ❑ Offsite disposal or waste out operation:
  - Transport out consumes energy
  - Incinerated waste creates GHG-CO2 and NO
  - Landfilled waste produces methane gas
- ❑ Between 1990 and 2013, GHG emissions in the transportation sector increased more in absolute terms than any other sector