

# 2016 Missoula County Operations Greenhouse Gas Emissions Inventory Report and Analysis: Addendum (April 2018)

## Introduction

This addendum presents a revised estimate of Missoula County’s 2016 greenhouse gas emissions based on additional analysis completed by Missoula County staff after publication of the *2016 Missoula County Operations Greenhouse Gas Emissions Inventory Report and Analysis*. The recommendations in the original report remain unchanged.

## Background

The primary data source for the Buildings and Facilities sector in the 2016 Greenhouse Gas Inventory was utility invoices gathered from Missoula County’s Financial Services Department and from individual County departments. These invoices covered electricity supplied by NorthWestern Energy and Montana Electric Cooperative, natural gas supplied by NorthWestern Energy, and propane used at two rural facilities. Inadvertently excluded from the analysis were invoices covering natural gas supplied to two County facilities (the Detention Center and the Courthouse) by Shell Energy North America.

## Results

The inclusion of the Shell Energy North America natural gas invoices for the Detention Center and Courthouse results in an increased estimate of their 2016 greenhouse gas emissions from 926 MtCO<sub>2e</sub> to 1,611 MtCO<sub>2e</sub> and 328 MtCO<sub>2e</sub> to 417 MtCO<sub>2e</sub> respectively, as shown in **Figure 1**. As a result, total estimated emissions in the Buildings and Facilities sector increases from 2,690 MtCO<sub>2e</sub> to 3,464 MtCO<sub>2e</sub>; and total estimated emissions for county operations as a whole increases from 6,810 MtCO<sub>2e</sub> to 7,583 MtCO<sub>2e</sub>. **Figure 2** illustrates the breakdown in greenhouse gas emissions by sector in the original Inventory report (left) and as revised by this addendum (right).

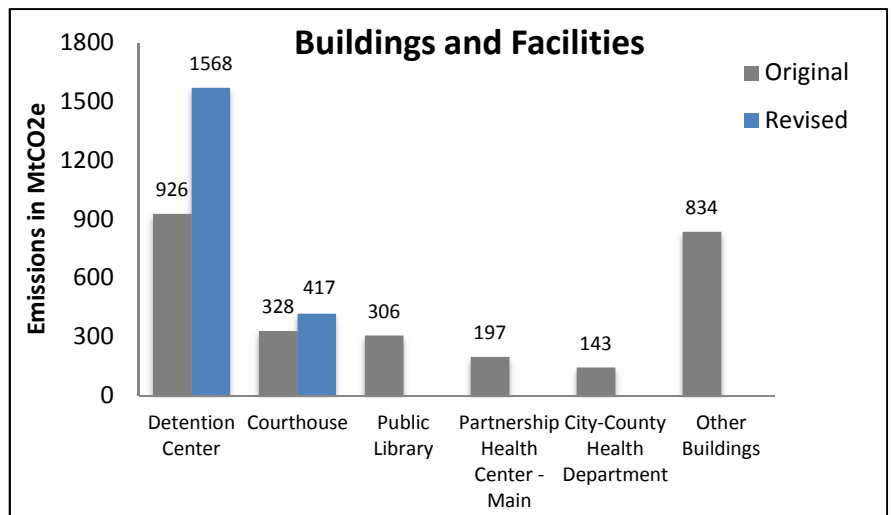


Figure 1. Comparison of greenhouse gas emissions from the five highest-emitting County facilities before and after inclusion of Shell Energy North America natural gas data. See Figure 18 (p. 27) of the Inventory report.

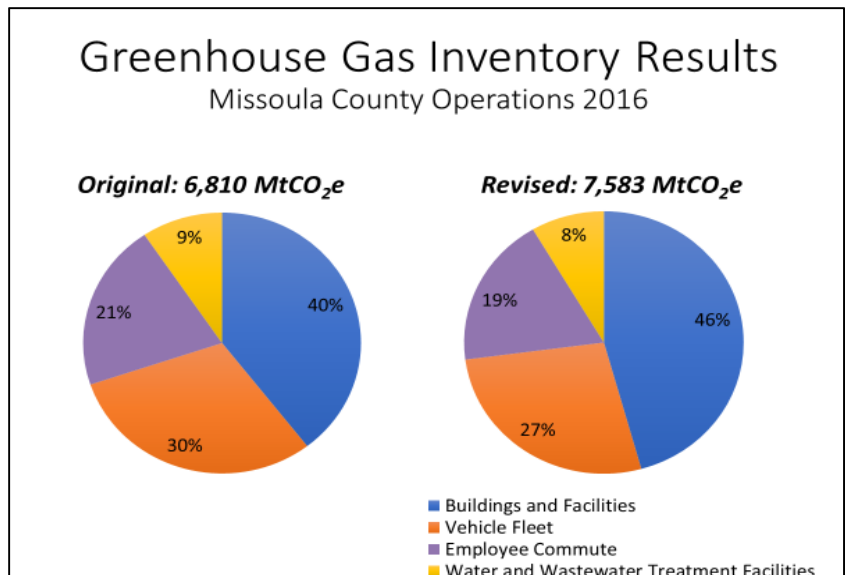


Figure 2. Comparison of Missoula County greenhouse gas emissions from all sectors before and after inclusion of Shell Energy North America natural gas data. See Figure 2 (p. 4) of the Inventory report.