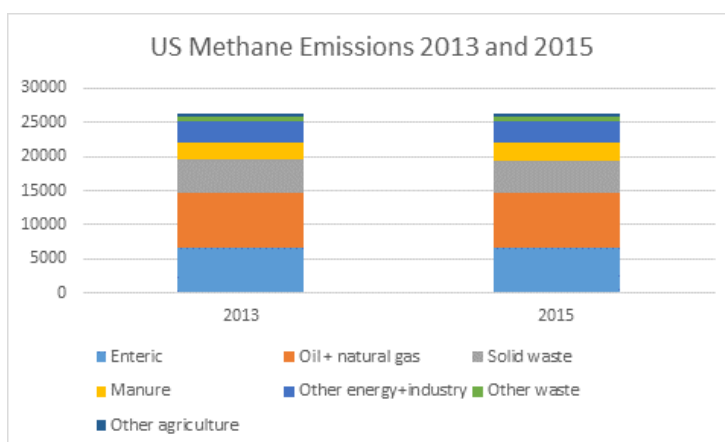
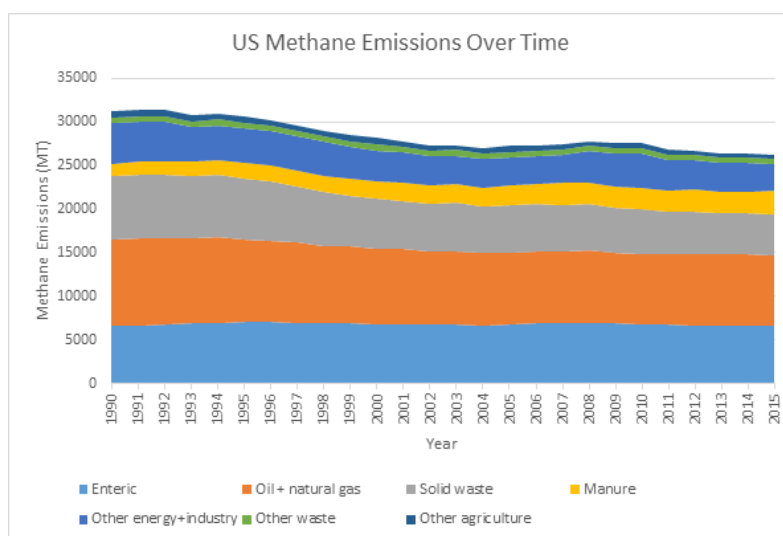


US Methane Emissions Inventories – Submitted December 2017

Emissions from all sectors other than manure and enteric fermentation declined slightly, leading to a total decrease in methane emissions of about half a percent from 2013-2015.

Sector	2013 ¹	2015	% change
Enteric	6619	6661	0.6%
Oil + natural gas	8147	8092	-0.7%
Solid waste	4750	4712	-0.8%
Manure	2530	2651	4.7%
Other (energy+industry)	3242	3061	-5.6%
Other waste	597	591	-1.0%
Other agriculture	465	460	-1.0%
Total	26351	26229	-0.5%



¹ There were two changes in the above 2013 inventory from the previous 2013 inventory. Landfills were updated to rely on GHG Reporting Program data. Oil and gas estimates were based on revised well counts to address a double counting issue and used GHGRP data for tanks and processing segment emissions.

For the same data online, please see: <https://unfccc.int/process-and-meetings/transparency-and-reporting/reporting-and-review-under-the-convention/greenhouse-gas-inventories-annex-i-parties/national-inventory-submissions-2018>

2014 Black Carbon Emissions (Elemental Carbon EC)			
Emissions in Short Tons			
Source: 2014 NEI v1 Dec 2017			
Total		453,893	1,501,229
Total without Wildfire		371,164	1,098,656
Sector	SubSector	EC	OC
Fires		169,159	792,115
	Wildfires	82,729	402,573
	Prescribed Fires	79,295	364,118
	Agricultural Field Burning	7,136	25,424
Mobile Nonroad		110,024	50,448
	Diesel	64,364	14,656
	Railroad	19,337	4,403
	CMV	12,619	4,976
	Aircraft	7,205	1,641
	Gas	6,100	23,798
	Other	399	975
Mobile Onroad		67,687	50,674
	DieselHD	53,309	24,402
	nonDieselLD	11,396	24,555
	DieselLD	2,684	938
	nonDieselHD	298	779
Fuel Combustion		60,826	263,882
	Biomass	24,615	232,963
	Ngas	20,797	14,941
	Coal	7,333	7,968
	Oil	4,118	3,908
	Other	3,963	4,102
Misc		36,731	317,841
	MiscWasteDisp	27,550	95,710
	MiscCommCook	4,256	81,904
	DustPavedUnPaved	3,766	93,425
	MiscNon-IndustNEC	613	8,960
	Agriculture	546	37,837
Industrial Processes		9,465	26,269
	Industrial Proc	9,356	25,521
	SolvCommIndust	109	747
	SolvConsumerComm	1	1

2014 Black Carbon Emissions (Elemental Carbon EC)			
Emissions in Metric Tons (1 short ton = 0.907185 metric tons)			
Source: 2014 NEI v1 Dec 2017			
Total		411,765	1,361,893
Total without Wildfire		336,715	996,684
Sector	SubSector	EC	OC
Fires		153,459	718,595
	Wildfires	75,050	365,208
	Prescribed Fires	71,935	330,322
	Agricultural Field Burning	6,473	23,064
Mobile Nonroad		99,812	45,766
	Diesel	58,390	13,295
	Railroad	17,543	3,994
	CMV	11,447	4,514
	Aircraft	6,537	1,488
	Gas	5,534	21,590
	Other	362	884
Mobile Onroad		61,405	45,970
	DieselHD	48,361	22,137
	nonDieselLD	10,338	22,275
	DieselLD	2,435	851
	nonDieselHD	270	707
Fuel Combustion		55,180	239,390
	Biomass	22,330	211,341
	Ngas	18,867	13,554
	Coal	6,652	7,228
	Oil	3,736	3,545
	Other	3,596	3,721
Misc		33,322	288,341
	MiscWasteDisp	24,993	86,827
	MiscCommCook	3,861	74,302
	DustPavedUnPaved	3,417	84,754
	MiscNon-IndustNEC	556	8,128
	Agriculture	496	34,325
Industrial Processes		8,587	23,831
	Industrial Proc	8,487	23,152
	SolvCommIndust	99	678
	SolvConsumerComm	0.48	1

Conversion

0.907185

For the same data online, please see: http://www.ceip.at/ms/ceip_home1/ceip_home/status_reporting/2017_submissions/

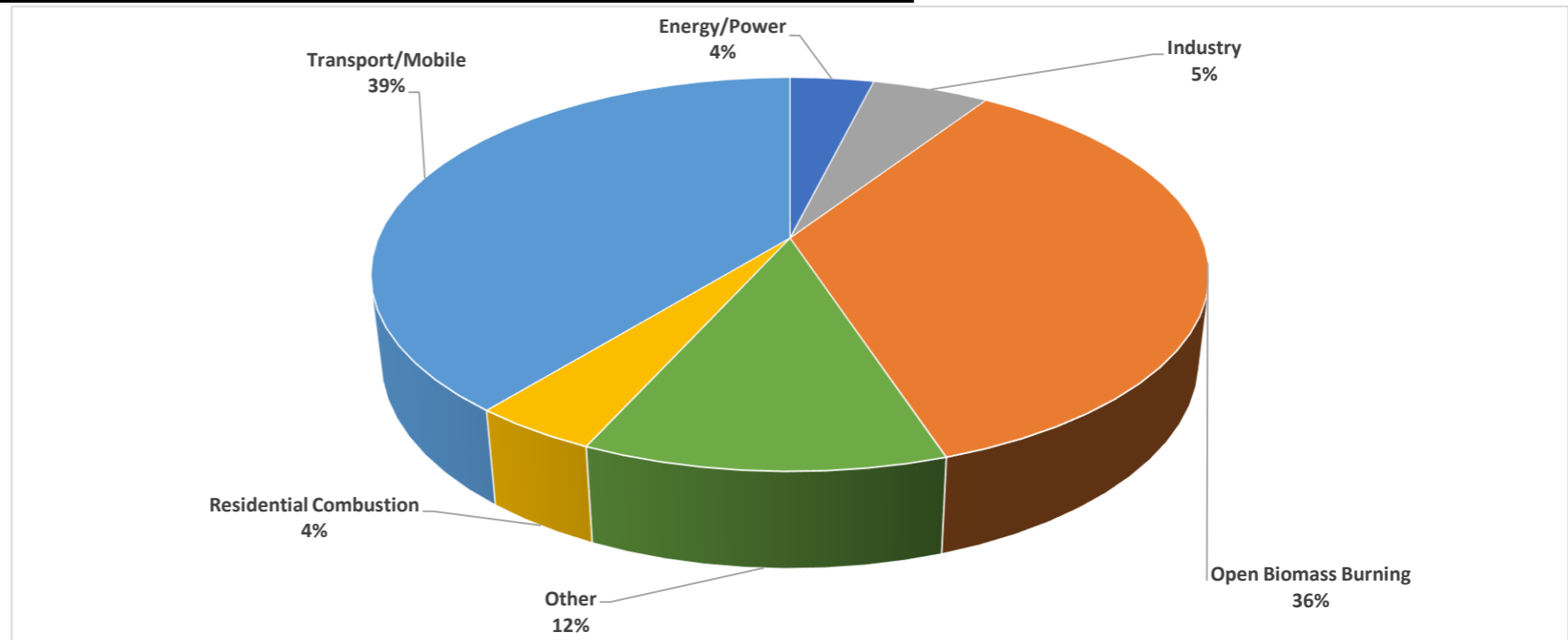
2014 Black Carbon Emissions (Elemental Carbon EC)		
Emissions in Short Tons		
Source: 2014 NEI v1 Dec 2017		
pollutant code		
ACAP_Rpt_AggrSector	EC	OC
Energy/Power	17,504	14,837
Industry	24,477	42,420
Open Biomass Burning	162,024	766,691
Other	53,532	399,664
Residential Combustion	18,645	176,495
Transport/Mobile	177,711	101,122
Total	453,893	1,501,229

2014 Black Carbon Emissions (Elemental Carbon EC)				
Emissions in Metric Tons (1 short ton = 0.907185 metric tons)				
Source: 2014 NEI v1 Dec 2017				
pollutant code				
ACAP_Rpt_AggrSector	EC -2014	EC-2011	% Change	OC
Energy/Power	15,879	14,942	6%	13,460
Industry	22,206	31,977	-31%	38,483
Open Biomass Burning	146,985	200,524	-27%	695,531
Other	48,564	41,340	17%	362,569
Residential Combustion	16,915	19,738	-14%	160,114
Transport/Mobile	161,217	202,805	-21%	91,736
Total	411,765	511,328	-19%	1,361,893

Sector Descriptions:

- Energy/Power - emissions from electric generating utilities (EGUs)
- Industry - emissions from industrial processes including point source fuel combustion
- Open Biomass Burning - wildfire and prescribed fire emissions
- Other - nonpoint (county-level) fuel combustion, waste burning, and agriculture field burning emissions
- Residential Combustion - residential wood combustion emissions
- Transport/Mobile - emissions from mobile sources on roads, off-road equipment; ships, rail, aircraft

Conversion 0.907185



For the same data online, please see: http://www.ceip.at/ms/ceip_home1/ceip_home/status_reporting/2017_submissions/