



**Source of emissions sector data for the 12-km 12WUS2 and 36-km US domains for the new WRAP current Representative Baseline (RepBase2) and new 2028OTBa2 modeling scenarios.**

From:

[https://views.cira.colostate.edu/docs/iwdw/platformdocs/WRAP\\_2014/EmissionsSpecifications\\_WRAP\\_RepBase2\\_and\\_2028OTBa2\\_RegionalHazeModelingScenarios\\_Sept30\\_2020.pdf](https://views.cira.colostate.edu/docs/iwdw/platformdocs/WRAP_2014/EmissionsSpecifications_WRAP_RepBase2_and_2028OTBa2_RegionalHazeModelingScenarios_Sept30_2020.pdf)

Source Sector	new RepBase2	new 2028OTBa2
California All Sectors 12WUS2	CARB-2014v2	CARB-2028
WRAP Fossil EGU w/ CEM	WRAP-RB-EGU <sup>1</sup>	WRAP-2028-EGU <sup>1</sup>
WRAP Fossil EGU w/o CEM	WRAP-RB-EGU <sup>1</sup>	WRAP-2028-EGU <sup>1</sup>
WRAP Non-Fossil EGU	EPA-2016v1	EPA-2028v1
Non-WRAP EGU	EPA-2016v1	EPA-2028v1
O&G WRAP O&G States	WRAP-RB-O&G <sup>2</sup>	WRAP-2028-O&G <sup>2</sup>
O&G WRAP Other States	EPA-2016v1	EPA-2016v1 <sup>3</sup>
O&G non-WRAP States	EPA-2016v1	EPA-2016v1
WRAP Non-EGU Point <sup>4</sup>	WRAP-2014v2 <sup>4</sup>	WRAP-2014v2 <sup>4</sup>
Non-WRAP non-EGU Point	EPA-2016v1	EPA-2016v1
On-Road Mobile 12WUS2	WRAP-2014v2	WRAP-2028-Mobile
On-Road Mobile 36US	EPA-2016v1	EPA-2028v1
Non-Road 12WUS2	EPA-2016v1	WRAP-2028-Mobile
Non-Road non-WRAP 36US	EPA-2016v1	EPA-2028v1
Other (Non-Point) 12WUS2	EPA-2014v2 <sup>5</sup>	EPA-2014v2 <sup>5</sup>
Other (Non-Point) 36US	EPA-2016v1	EPA-2016v1
Can/Mex/Offshore 12WUS2	EPA-2016v1	EPA-2016v1
Fires (WF, Rx, Ag)	WRAP-RB-Fires	WRAP-RB-Fires
Natural (Bio, etc.)	WRAP-2014v2	WRAP-2014v2
Boundary Conditions (BCs)	WRAP-2014-GEOS	WRAP-2014-GEOS

All EPA-2016v1 and EPA-2028v1 files for sources in the WESTAR-WRAP region will include any unit-level updates from individual states applied as provided by a state.

- WRAP-RepBase-EGU and WRAP-2028-EGU both have changes/corrections/updates from WESTAR-WRAP states, all state-provided updates will be used in new scenarios.
- WRAP-RepBase-O&G and WRAP-2028-O&G both include corrections for duplicates, lowered point source projections, and other corrections from WESTAR-WRAP states.
- EPA-2016v1 applied for 2028OTBa2 includes unit-level changes provided by WESTAR-WRAP states.
- WRAP-2014v2 Non-EGU Point will be used in RepBase2 with updates from WESTAR-WRAP states, as well as additional WESTAR-WRAP-state provided updates will be further applied for 2028OTBa2, in both cases, for specific sources identified by individual states.
- 12WUS2 domain Non-Point emissions will be held constant in new RepBase2 and 2028OTBa2 scenarios, allowing state-provided corrections from 2019 EIMP Subcommittee meetings to review of 2014v2 data to be included in regional modeling. This holds the sector constant, i.e., no assumptions will be made about controls or future emissions changes for western Non-Point sources.