

The region covered in the Phase III work includes all of the major basins of significant oil and gas activity in New Mexico, Utah, Colorado, Wyoming, Montana and North Dakota:

- Denver-Julesburg Basin
- Uinta Basin
- San Juan Basin (North and South)
- Piceance Basin
- Southwest Wyoming Basin (Green River Basin)
- Powder River Basin
- Paradox Basin
- Williston Basin
- Wind River Basin
- Big Horn Basin
- North-Central Montana Basin (Great Plains Basin)

Figure 1 below shows a map of all of the basins covered in the Phase III work.



Figure 1. Basin boundaries for all basins included in the Phase III study.



The sources considered in this analysis include the following:

- Lateral/wellhead compressor engines
- Drilling rigs
- Workover rigs/frac rigs
- CBM pump engines
- Salt-water disposal engines
- Artificial lift engines (pumpjacks)
- Vapor recovery unit (VRU) compressor engines
- Miscellaneous gas-fired engines
- Oil well heaters
- Gas well heaters
- Miscellaneous gas-fired heaters or boilers
- Flaring
- Oil well tanks – breathing losses, gas venting, flashing emissions
- Gas well tanks – breathing losses, gas venting, flashing emissions
- Pneumatic devices
- Oil well fugitive emissions
- Gas well fugitive emissions
- Gas well completions
- Venting
- Blowdowns
- Dehydrators
- Amine units
- Gas well truck loading
- Oil well truck loading
- Pipeline/compressor station fugitive emissions
- Landfarms
- Water treatment/water injection facilities