

### Overview of National PM<sub>2.5</sub> Network

<b>Site Category</b>	<b>Projected Number</b>	<b>Major Purpose</b>	<b>Potential Flexibility for Research</b>
Core Sites	850 FRM/FEM measure PM <sub>2.5</sub> mass. Also 50 collocated monitors measure continuous mass	Minimum required for designations. FRM and network design peer reviewed by CASAC. Continuous required for PSI reporting.	Limited. States follow EPA guidance on location according to population, other factors. Frequency of sampling could be adjusted at some.
Spatial Averaging/ Special Purpose	200 FRM/FEM, other	States requested additional monitors for spatial averaging for attainment designations. SPMs limited duration (<2 yr), e.g. source attribution study	Locations determined by States according to local circumstances. SPM might be adjusted to accommodate research
IMPROVE	100 additional IMPROVE monitors	Supports regional haze rules in class I areas and PM <sub>2.5</sub> transport assessment. Chemical speciation.	Limited to class I areas.
Chemical Speciation	300 sites with “routine” chemical analyses	Trends, source attribution of major chemical species, for source apportionment, risk assessment. Regional variations encouraged.	Substantial flexibility to accommodate health and other research subject to resource limitations on frequency.
Continuous	50 additional continuous PM <sub>2.5</sub> mass monitors	PSI reporting and further delineation of source/exposure patterns	Substantial flexibility to support exposure studies.
<b>Total</b>	<b>1500 Sites</b>		

- In addition 4 to 7 Supersites not included in above with research grade instrumentation will be established for health risk and source assessment work integrated with research program. The design of this program is fully flexible for incorporation into other priority scientific research on PM.