

Fairbanks North Star Borough
 Fine Particulate Matter (PM2.5) Nonattainment Area
 Monitored Design Values and Modeled Attainment Projection
 for the
 2020 Amendments to the Serious State Implementation Plan (SIP)

Monitoring and Modeling Design Values (ug/m3)

Site	PM2.5 yearly 98 th percentile				PM2.5 Design Values (3 year DV unless noted)						
	2016	2017	2018	2019	2016	2017	2018	2019	Serious SIP Modeling Design Value rolling average 2011-2015	5% SIP Modeling “Base Year” Design Value 2016-2019	
State Office Building	39.7	38.0	27	27.7	37	38	35	31	38.9	32.9	
NCORE – Downtown Fairbanks	30.3	34.4	25.3	27.7	33	34	30	29	38.0	29.6	
Hurst Road	66.8	75.5	52.8	65	106	85	65	64	131.6	64.7	
A Street				34.1				N/A			

Modeled Future Year Design Values and Attainment Projection

The table below shows the nonattainment area reaching attainment in 2024 at 30.9 ug/m3 using the latest updated 2019 and 2024 emissions inventory. Future projections for PM2.5 at the Hurst Road monitor grid cell in the 2020 Amendment to the Serious Plan include: the 2019 base year, 2023 future year, 2024 attainment/future year, and 2026 future year final FDV (Future Design Value):

Modeled Year	Base/Future Design Value PM2.5 (ug/m3)
2019	64.7
2023	37.0
2024	30.9
2026	24.8