Table C.1.1 Maximum Modeled NO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources
Low Emissions WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO$_2$	Annual	Bridger WA	0.126	0.1[1]	2.5	3.4	3.53	100	100
		Fitzpatrick WA	0.00532	0.1[1]	2.5	3.4	3.41	100	100
		Grand Teton NP	0.00162	0.1[1]	2.5	3.4	3.40	100	100
		Popo Agie WA	0.0421	1.0	25.0	3.4	3.44	100	100
		Teton WA	0.000727	0.1[1]	2.5	3.4	3.40	100	100
		Washakie WA	0.00102	0.1[1]	2.5	3.4	3.40	100	100
		Wind River RA	0.025	1.0	25.0	3.4	3.43	100	100
		Yellowstone NP	0.000543	0.1[1]	2.5	3.4	3.40	100	100

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.1.2 Maximum Modeled NO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources
Low Emissions WDR150

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO_2	Annual	Bridger WA	0.0872	0.1[1]	2.5	3.4	3.49	100	100
		Fitzpatrick WA	0.00379	0.1[1]	2.5	3.4	3.40	100	100
		Grand Teton NP	0.00114	0.1[1]	2.5	3.4	3.40	100	100
		Popo Agie WA	0.0298	1.0	25.0	3.4	3.43	100	100
		Teton WA	0.000508	0.1[1]	2.5	3.4	3.40	100	100
		Washakie WA	0.000713	0.1[1]	2.5	3.4	3.40	100	100
		Wind River RA	0.0178	1.0	25.0	3.4	3.42	100	100
		Yellowstone NP	0.00038	0.1[1]	2.5	3.4	3.40	100	100

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.1.3 Maximum Modeled NO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources
Low Emissions WDR075

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
NO$_2$	Annual	Bridger WA	0.0546	0.1[1]	2.5	3.4	3.45	100	100
		Fitzpatrick WA	0.00251	0.1[1]	2.5	3.4	3.40	100	100
		Grand Teton NP	0.000744	0.1[1]	2.5	3.4	3.40	100	100
		Popo Agie WA	0.0201	1.0	25.0	3.4	3.42	100	100
		Teton WA	0.000332	0.1[1]	2.5	3.4	3.40	100	100
		Washakie WA	0.000465	0.1[1]	2.5	3.4	3.40	100	100
		Wind River RA	0.0116	1.0	25.0	3.4	3.41	100	100
		Yellowstone NP	0.000247	0.1[1]	2.5	3.4	3.40	100	100

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.1.4 Maximum Modeled NO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources
High Emissions WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO$_2$	Annual	Bridger WA	0.306	0.1[1]	2.5	3.4	3.71	100	100
		Fitzpatrick WA	0.0116	0.1[1]	2.5	3.4	3.41	100	100
		Grand Teton NP	0.00345	0.1[1]	2.5	3.4	3.40	100	100
		Popo Agie WA	0.0965	1.0	25.0	3.4	3.50	100	100
		Teton WA	0.00157	0.1[1]	2.5	3.4	3.40	100	100
		Washakie WA	0.00209	0.1[1]	2.5	3.4	3.40	100	100
		Wind River RA	0.0581	1.0	25.0	3.4	3.46	100	100
		Yellowstone NP	0.00118	0.1[1]	2.5	3.4	3.40	100	100

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.1.5 Maximum Modeled NO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources High Emissions WDR150

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO$_2$	Annual	Bridger WA	0.195	0.1[1]	2.5	3.4	3.60	100	100
		Fitzpatrick WA	0.00756	0.1[1]	2.5	3.4	3.41	100	100
		Grand Teton NP	0.00225	0.1[1]	2.5	3.4	3.40	100	100
		Popo Agie WA	0.063	1.0	25.0	3.4	3.46	100	100
		Teton WA	0.00101	0.1[1]	2.5	3.4	3.40	100	100
		Washakie WA	0.00135	0.1[1]	2.5	3.4	3.40	100	100
		Wind River RA	0.038	1.0	25.0	3.4	3.44	100	100
		Yellowstone NP	0.000762	0.1[1]	2.5	3.4	3.40	100	100

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.1.6 Maximum Modeled NO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources
High Emissions WDR075

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO$_2$	Annual	Bridger WA	0.101	0.1[1]	2.5	3.4	3.50	100	100
		Fitzpatrick WA	0.0043	0.1[1]	2.5	3.4	3.40	100	100
		Grand Teton NP	0.0013	0.1[1]	2.5	3.4	3.40	100	100
		Popo Agie WA	0.038	1.0	25.0	3.4	3.44	100	100
		Teton WA	0.00057	0.1[1]	2.5	3.4	3.40	100	100
		Washakie WA	0.00076	0.1[1]	2.5	3.4	3.40	100	100
		Wind River RA	0.021	1.0	25.0	3.4	3.42	100	100
		Yellowstone NP	0.00043	0.1[1]	2.5	3.4	3.40	100	100

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.1.7 Maximum Modeled NO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources Mitigation 20% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO_2	Annual	Bridger WA	0.245	0.1[1]	2.5	3.4	3.65	100	100
		Fitzpatrick WA	0.00925	0.1[1]	2.5	3.4	3.41	100	100
		Grand Teton NP	0.00276	0.1[1]	2.5	3.4	3.40	100	100
		Popo Agie WA	0.0772	1.0	25.0	3.4	3.48	100	100
		Teton WA	0.00126	0.1[1]	2.5	3.4	3.40	100	100
		Washakie WA	0.00167	0.1[1]	2.5	3.4	3.40	100	100
		Wind River RA	0.0464	1.0	25.0	3.4	3.45	100	100
		Yellowstone NP	0.000944	0.1[1]	2.5	3.4	3.40	100	100

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.1.8 Maximum Modeled NO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources Mitigation 40% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO_2	Annual	Bridger WA	0.184	0.1[1]	2.5	3.4	3.58	100	100
		Fitzpatrick WA	0.00694	0.1[1]	2.5	3.4	3.41	100	100
		Grand Teton NP	0.00207	0.1[1]	2.5	3.4	3.40	100	100
		Popo Agie WA	0.0579	1.0	25.0	3.4	3.46	100	100
		Teton WA	0.000942	0.1[1]	2.5	3.4	3.40	100	100
		Washakie WA	0.00126	0.1[1]	2.5	3.4	3.40	100	100
		Wind River RA	0.0348	1.0	25.0	3.4	3.43	100	100
		Yellowstone NP	0.000708	0.1[1]	2.5	3.4	3.40	100	100

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.1.9 Maximum Modeled NO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources Mitigation 60% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
NO$_2$	Annual	Bridger WA	0.123	0.1[1]	2.5	3.4	3.52	100	100
		Fitzpatrick WA	0.00462	0.1[1]	2.5	3.4	3.40	100	100
		Grand Teton NP	0.00138	0.1[1]	2.5	3.4	3.40	100	100
		Popo Agie WA	0.0386	1.0	25.0	3.4	3.44	100	100
		Teton WA	0.000628	0.1[1]	2.5	3.4	3.40	100	100
		Washakie WA	0.000837	0.1[1]	2.5	3.4	3.40	100	100
		Wind River RA	0.0232	1.0	25.0	3.4	3.42	100	100
		Yellowstone NP	0.000472	0.1[1]	2.5	3.4	3.40	100	100

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.1.10 Maximum Modeled NO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources Mitigation 80% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
NO$_2$	Annual	Bridger WA	0.0613	0.1[1]	2.5	3.4	3.46	100	100
		Fitzpatrick WA	0.00231	0.1[1]	2.5	3.4	3.40	100	100
		Grand Teton NP	0.00069	0.1[1]	2.5	3.4	3.40	100	100
		Popo Agie WA	0.0193	1.0	25.0	3.4	3.42	100	100
		Teton WA	0.000314	0.1[1]	2.5	3.4	3.40	100	100
		Washakie WA	0.000419	0.1[1]	2.5	3.4	3.40	100	100
		Wind River RA	0.0116	1.0	25.0	3.4	3.41	100	100
		Yellowstone NP	0.000236	0.1[1]	2.5	3.4	3.40	100	100

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.1.11 Maximum Modeled Cumulative NO2 Concentration Impacts at PSD Class I and
Sensitive PSD Class II Areas from Preferred Alternative (Low Emissions WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
NO$_2$	Annual	Bridger WA	0.237	2.5	3.4	3.64	100	100
		Fitzpatrick WA	0.017	2.5	3.4	3.42	100	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100	100
		Popo Agie WA	0.068	25.0	3.4	3.47	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.049	25.0	3.4	3.45	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table C.1.12 Maximum Modeled Cumulative NO2 Concentration Impacts at PSD Class I and
Sensitive PSD Class II Areas from Preferred Alternative (Low Emissions WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO_2	Annual	Bridger WA	0.199	2.5	3.4	3.60	100	100
		Fitzpatrick WA	0.015	2.5	3.4	3.41	100	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100	100
		Popo Agie WA	0.056	25.0	3.4	3.46	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.042	25.0	3.4	3.44	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table C.1.13 Maximum Modeled Cumulative NO2 Concentration Impacts at PSD Class I and
Sensitive PSD Class II Areas from Preferred Alternative (Low Emissions WDR075) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
NO_2	Annual	Bridger WA	0.167	2.5	3.4	3.57	100	100
		Fitzpatrick WA	0.014	2.5	3.4	3.41	100	100
		Grand Teton NP	0.029	2.5	3.4	3.43	100	100
		Popo Agie WA	0.046	25.0	3.4	3.45	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.036	25.0	3.4	3.44	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table C.1.14 Maximum Modeled Cumulative NO2 Concentration Impacts at PSD Class I and
Sensitive PSD Class II Areas from Preferred Alternative (High Emissions WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	Bridger WA	0.418	2.5	3.4	3.82	100	100
		Fitzpatrick WA	0.023	2.5	3.4	3.42	100	100
		Grand Teton NP	0.032	2.5	3.4	3.43	100	100
		Popo Agie WA	0.120	25.0	3.4	3.52	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.082	25.0	3.4	3.48	100	100
		Yellowstone NP	0.004	2.5	3.4	3.40	100	100

Table C.1.15 Maximum Modeled Cumulative NO2 Concentration Impacts at PSD Class I and
Sensitive PSD Class II Areas from Preferred Alternative (High Emissions WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	Bridger WA	0.307	2.5	3.4	3.71	100	100
		Fitzpatrick WA	0.019	2.5	3.4	3.42	100	100
		Grand Teton NP	0.031	2.5	3.4	3.43	100	100
		Popo Agie WA	0.087	25.0	3.4	3.49	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.062	25.0	3.4	3.46	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table C.1.16 Maximum Modeled Cumulative NO2 Concentration Impacts at PSD Class I and
Sensitive PSD Class II Areas from Preferred Alternative (High Emissions WDR075) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
NO_2	Annual	Bridger WA	0.213	2.5	3.4	3.61	100	100
		Fitzpatrick WA	0.015	2.5	3.4	3.42	100	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100	100
		Popo Agie WA	0.062	25.0	3.4	3.46	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.045	25.0	3.4	3.45	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table C.1.17 Maximum Modeled Cumulative NO2 Concentration Impacts at PSD Class I and
Sensitive PSD Class II Areas from Preferred Alternative (Mitigation 20% Emissions Reduction WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
NO_2	Annual	Bridger WA	0.356	2.5	3.4	3.76	100	100
		Fitzpatrick WA	0.020	2.5	3.4	3.42	100	100
		Grand Teton NP	0.031	2.5	3.4	3.43	100	100
		Popo Agie WA	0.101	25.0	3.4	3.50	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.071	25.0	3.4	3.47	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table C.1.18 Maximum Modeled Cumulative NO2 Concentration Impacts at PSD Class I and
Sensitive PSD Class II Areas from Preferred Alternative (Mitigation 40% Emissions Reduction WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO_2	Annual	Bridger WA	0.295	2.5	3.4	3.70	100	100
		Fitzpatrick WA	0.018	2.5	3.4	3.42	100	100
		Grand Teton NP	0.031	2.5	3.4	3.43	100	100
		Popo Agie WA	0.081	25.0	3.4	3.48	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.059	25.0	3.4	3.46	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table C.1.19 Maximum Modeled Cumulative NO2 Concentration Impacts at PSD Class I and
Sensitive PSD Class II Areas from Preferred Alternative (Mitigation 60% Emissions Reduction WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	Bridger WA	0.234	2.5	3.4	3.63	100	100
		Fitzpatrick WA	0.016	2.5	3.4	3.42	100	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100	100
		Popo Agie WA	0.063	25.0	3.4	3.46	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.048	25.0	3.4	3.45	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table C.1.20 Maximum Modeled Cumulative NO2 Concentration Impacts at PSD Class I and
Sensitive PSD Class II Areas from Preferred Alternative (Mitigation 80% Emissions Reduction WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO_2	Annual	Bridger WA	0.174	2.5	3.4	3.57	100	100
		Fitzpatrick WA	0.014	2.5	3.4	3.41	100	100
		Grand Teton NP	0.029	2.5	3.4	3.43	100	100
		Popo Agie WA	0.045	25.0	3.4	3.44	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.036	25.0	3.4	3.44	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table C.2.1 Maximum Modeled SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Applicable PSD Significance Level ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
SO_2	Annual	Bridger WA	0.004	0.1[1]	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1[1]	2	9.0	9.00	60	80
		Popo Agie WA	0.001	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Wind River RA	0.001	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1[1]	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.079	0.2[1]	5	43.0	43.1	260	365
		Fitzpatrick WA	0.006	0.2[1]	5	43.0	43.0	260	365
		Grand Teton NP	0.003	0.2[1]	5	43.0	43.0	260	365
		Popo Agie WA	0.014	5.0	91	43.0	43.0	260	365
		Teton WA	0.001	0.2[1]	5	43.0	43.0	260	365
		Washakie WA	0.002	0.2[1]	5	43.0	43.0	260	365
		Wind River RA	0.011	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.001	0.2[1]	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.254	1.0[1]	25	132.0	132.3	1,300	1,300
		Fitzpatrick WA	0.021	1.0[1]	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.009	1.0[1]	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.090	25.0	512	132.0	132.1	1,300	1,300
		Teton WA	0.008	1.0[1]	25	132.0	132.0	1,300	1,300
		Washakie WA	0.007	1.0[1]	25	132.0	132.0	1,300	1,300
		Wind River RA	0.041	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.003	1.0[1]	25	132.0	132.0	1,300	1,300

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.2.2 Maximum Modeled SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Low Emissions WDR150

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Applicable PSD Significance Level ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m3$)
SO_2	Annual	Bridger WA	0.002	0.1[1]	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1[1]	2	9.0	9.00	60	80
		Popo Agie WA	0.001	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Wind River RA	0.001	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1[1]	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.050	0.2[1]	5	43.0	43.0	260	365
		Fitzpatrick WA	0.004	0.2[1]	5	43.0	43.0	260	365
		Grand Teton NP	0.002	0.2[1]	5	43.0	43.0	260	365
		Popo Agie WA	0.009	5.0	91	43.0	43.0	260	365
		Teton WA	0.001	0.2[1]	5	43.0	43.0	260	365
		Washakie WA	0.001	0.2[1]	5	43.0	43.0	260	365
		Wind River RA	0.007	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.001	0.2[1]	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.157	1.0[1]	25	132.0	132.2	1,300	1,300
		Fitzpatrick WA	0.014	1.0[1]	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.005	1.0[1]	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.060	25.0	512	132.0	132.1	1,300	1,300
		Teton WA	0.005	1.0[1]	25	132.0	132.0	1,300	1,300
		Washakie WA	0.004	1.0[1]	25	132.0	132.0	1,300	1,300
		Wind River RA	0.026	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.002	1.0[1]	25	132.0	132.0	1,300	1,300

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.2.3 Maximum Modeled SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Low Emissions WDR075

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
SO_2	Annual	Bridger WA	0.001	0.1[1]	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1[1]	2	9.0	9.00	60	80
		Popo Agie WA	0.000	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Wind River RA	0.000	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1[1]	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.024	0.2[1]	5	43.0	43.0	260	365
		Fitzpatrick WA	0.002	0.2[1]	5	43.0	43.0	260	365
		Grand Teton NP	0.001	0.2[1]	5	43.0	43.0	260	365
		Popo Agie WA	0.005	5.0	91	43.0	43.0	260	365
		Teton WA	0.000	0.2[1]	5	43.0	43.0	260	365
		Washakie WA	0.001	0.2[1]	5	43.0	43.0	260	365
		Wind River RA	0.004	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.000	0.2[1]	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.081	1.0[1]	25	132.0	132.1	1,300	1,300
		Fitzpatrick WA	0.007	1.0[1]	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.003	1.0[1]	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.029	25.0	512	132.0	132.0	1,300	1,300
		Teton WA	0.003	1.0[1]	25	132.0	132.0	1,300	1,300
		Washakie WA	0.003	1.0[1]	25	132.0	132.0	1,300	1,300
		Wind River RA	0.012	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.001	1.0[1]	25	132.0	132.0	1,300	1,300

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.2.4 Maximum Modeled SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative High Emissions WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
SO_2	Annual	Bridger WA	0.019	0.1[1]	2	9.0	9.02	60	80
		Fitzpatrick WA	0.001	0.1[1]	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1[1]	2	9.0	9.00	60	80
		Popo Agie WA	0.006	1.0	20	9.0	9.01	60	80
		Teton WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Wind River RA	0.004	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1[1]	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.382	0.2[1]	5	43.0	43.4	260	365
		Fitzpatrick WA	0.028	0.2[1]	5	43.0	43.0	260	365
		Grand Teton NP	0.012	0.2[1]	5	43.0	43.0	260	365
		Popo Agie WA	0.068	5.0	91	43.0	43.1	260	365
		Teton WA	0.007	0.2[1]	5	43.0	43.0	260	365
		Washakie WA	0.011	0.2[1]	5	43.0	43.0	260	365
		Wind River RA	0.055	5.0	91	43.0	43.1	260	365
		Yellowstone NP	0.005	0.2[1]	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	1.232	1.0[1]	25	132.0	133.2	1,300	1,300
		Fitzpatrick WA	0.102	1.0[1]	25	132.0	132.1	1,300	1,300
		Grand Teton NP	0.041	1.0[1]	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.437	25.0	512	132.0	132.4	1,300	1,300
		Teton WA	0.038	1.0[1]	25	132.0	132.0	1,300	1,300
		Washakie WA	0.031	1.0[1]	25	132.0	132.0	1,300	1,300
		Wind River RA	0.196	25.0	512	132.0	132.2	1,300	1,300
		Yellowstone NP	0.015	1.0[1]	25	132.0	132.0	1,300	1,300

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.2.5 Maximum Modeled SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative High Emissions WDR150

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Applicable PSD Significance Level ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
SO_2	Annual	Bridger WA	0.012	0.1[1]	2	9.0	9.01	60	80
		Fitzpatrick WA	0.001	0.1[1]	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1[1]	2	9.0	9.00	60	80
		Popo Agie WA	0.004	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Wind River RA	0.002	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1[1]	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.237	0.2[1]	5	43.0	43.2	260	365
		Fitzpatrick WA	0.018	0.2[1]	5	43.0	43.0	260	365
		Grand Teton NP	0.008	0.2[1]	5	43.0	43.0	260	365
		Popo Agie WA	0.045	5.0	91	43.0	43.0	260	365
		Teton WA	0.004	0.2[1]	5	43.0	43.0	260	365
		Washakie WA	0.006	0.2[1]	5	43.0	43.0	260	365
		Wind River RA	0.034	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.003	0.2[1]	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.750	1.0[1]	25	132.0	132.8	1,300	1,300
		Fitzpatrick WA	0.065	1.0[1]	25	132.0	132.1	1,300	1,300
		Grand Teton NP	0.025	1.0[1]	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.292	25.0	512	132.0	132.3	1,300	1,300
		Teton WA	0.023	1.0[1]	25	132.0	132.0	1,300	1,300
		Washakie WA	0.020	1.0[1]	25	132.0	132.0	1,300	1,300
		Wind River RA	0.124	25.0	512	132.0	132.1	1,300	1,300
		Yellowstone NP	0.009	1.0[1]	25	132.0	132.0	1,300	1,300

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.2.6 Maximum Modeled SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative High Emissions WDR075

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
SO_2	Annual	Bridger WA	0.005	0.1[1]	2	9.0	9.01	60	80
		Fitzpatrick WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1[1]	2	9.0	9.00	60	80
		Popo Agie WA	0.002	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Wind River RA	0.001	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1[1]	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.113	0.2[1]	5	43.0	43.1	260	365
		Fitzpatrick WA	0.009	0.2[1]	5	43.0	43.0	260	365
		Grand Teton NP	0.004	0.2[1]	5	43.0	43.0	260	365
		Popo Agie WA	0.027	5.0	91	43.0	43.0	260	365
		Teton WA	0.002	0.2[1]	5	43.0	43.0	260	365
		Washakie WA	0.003	0.2[1]	5	43.0	43.0	260	365
		Wind River RA	0.019	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.001	0.2[1]	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.382	1.0[1]	25	132.0	132.4	1,300	1,300
		Fitzpatrick WA	0.033	1.0[1]	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.013	1.0[1]	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.142	25.0	512	132.0	132.1	1,300	1,300
		Teton WA	0.012	1.0[1]	25	132.0	132.0	1,300	1,300
		Washakie WA	0.011	1.0[1]	25	132.0	132.0	1,300	1,300
		Wind River RA	0.059	25.0	512	132.0	132.1	1,300	1,300
		Yellowstone NP	0.005	1.0[1]	25	132.0	132.0	1,300	1,300

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.2.7 Maximum Modeled SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Mitigation 20% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
SO_2	Annual	Bridger WA	0.015	0.1[1]	2	9.0	9.02	60	80
		Fitzpatrick WA	0.001	0.1[1]	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1[1]	2	9.0	9.00	60	80
		Popo Agie WA	0.005	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Wind River RA	0.003	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1[1]	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.306	0.2[1]	5	43.0	43.3	260	365
		Fitzpatrick WA	0.022	0.2[1]	5	43.0	43.0	260	365
		Grand Teton NP	0.010	0.2[1]	5	43.0	43.0	260	365
		Popo Agie WA	0.055	5.0	91	43.0	43.1	260	365
		Teton WA	0.006	0.2[1]	5	43.0	43.0	260	365
		Washakie WA	0.009	0.2[1]	5	43.0	43.0	260	365
		Wind River RA	0.044	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.004	0.2[1]	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.985	1.0[1]	25	132.0	133.0	1,300	1,300
		Fitzpatrick WA	0.082	1.0[1]	25	132.0	132.1	1,300	1,300
		Grand Teton NP	0.033	1.0[1]	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.350	25.0	512	132.0	132.3	1,300	1,300
		Teton WA	0.031	1.0[1]	25	132.0	132.0	1,300	1,300
		Washakie WA	0.024	1.0[1]	25	132.0	132.0	1,300	1,300
		Wind River RA	0.156	25.0	512	132.0	132.2	1,300	1,300
		Yellowstone NP	0.012	1.0[1]	25	132.0	132.0	1,300	1,300

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.2.8 Maximum Modeled SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 40% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
SO_2	Annual	Bridger WA	0.012	0.1[1]	2	9.0	9.01	60	80
		Fitzpatrick WA	0.001	0.1[1]	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1[1]	2	9.0	9.00	60	80
		Popo Agie WA	0.004	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Wind River RA	0.002	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1[1]	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.229	0.2[1]	5	43.0	43.2	260	365
		Fitzpatrick WA	0.017	0.2[1]	5	43.0	43.0	260	365
		Grand Teton NP	0.007	0.2[1]	5	43.0	43.0	260	365
		Popo Agie WA	0.041	5.0	91	43.0	43.0	260	365
		Teton WA	0.004	0.2[1]	5	43.0	43.0	260	365
		Washakie WA	0.006	0.2[1]	5	43.0	43.0	260	365
		Wind River RA	0.033	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.003	0.2[1]	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.739	1.0[1]	25	132.0	132.7	1,300	1,300
		Fitzpatrick WA	0.061	1.0[1]	25	132.0	132.1	1,300	1,300
		Grand Teton NP	0.025	1.0[1]	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.262	25.0	512	132.0	132.3	1,300	1,300
		Teton WA	0.023	1.0[1]	25	132.0	132.0	1,300	1,300
		Washakie WA	0.018	1.0[1]	25	132.0	132.0	1,300	1,300
		Wind River RA	0.117	25.0	512	132.0	132.1	1,300	1,300
		Yellowstone NP	0.009	1.0[1]	25	132.0	132.0	1,300	1,300

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.2.9 Maximum Modeled SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Mitigation 60% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Applicable PSD Significance Level ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
SO_2	Annual	Bridger WA	0.008	0.1[1]	2	9.0	9.01	60	80
		Fitzpatrick WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1[1]	2	9.0	9.00	60	80
		Popo Agie WA	0.002	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Wind River RA	0.002	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1[1]	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.153	0.2[1]	5	43.0	43.2	260	365
		Fitzpatrick WA	0.011	0.2[1]	5	43.0	43.0	260	365
		Grand Teton NP	0.005	0.2[1]	5	43.0	43.0	260	365
		Popo Agie WA	0.027	5.0	91	43.0	43.0	260	365
		Teton WA	0.003	0.2[1]	5	43.0	43.0	260	365
		Washakie WA	0.004	0.2[1]	5	43.0	43.0	260	365
		Wind River RA	0.022	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.002	0.2[1]	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.493	1.0[1]	25	132.0	132.5	1,300	1,300
		Fitzpatrick WA	0.041	1.0[1]	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.017	1.0[1]	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.175	25.0	512	132.0	132.2	1,300	1,300
		Teton WA	0.015	1.0[1]	25	132.0	132.0	1,300	1,300
		Washakie WA	0.012	1.0[1]	25	132.0	132.0	1,300	1,300
		Wind River RA	0.078	25.0	512	132.0	132.1	1,300	1,300
		Yellowstone NP	0.006	1.0[1]	25	132.0	132.0	1,300	1,300

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.2.10 Maximum Modeled SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Mitigation 80% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
SO_2	Annual	Bridger WA	0.004	0.1[1]	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1[1]	2	9.0	9.00	60	80
		Popo Agie WA	0.001	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1[1]	2	9.0	9.00	60	80
		Wind River RA	0.001	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1[1]	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.076	0.2[1]	5	43.0	43.1	260	365
		Fitzpatrick WA	0.006	0.2[1]	5	43.0	43.0	260	365
		Grand Teton NP	0.002	0.2[1]	5	43.0	43.0	260	365
		Popo Agie WA	0.014	5.0	91	43.0	43.0	260	365
		Teton WA	0.001	0.2[1]	5	43.0	43.0	260	365
		Washakie WA	0.002	0.2[1]	5	43.0	43.0	260	365
		Wind River RA	0.011	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.001	0.2[1]	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.246	1.0[1]	25	132.0	132.2	1,300	1,300
		Fitzpatrick WA	0.020	1.0[1]	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.008	1.0[1]	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.087	25.0	512	132.0	132.1	1,300	1,300
		Teton WA	0.008	1.0[1]	25	132.0	132.0	1,300	1,300
		Washakie WA	0.006	1.0[1]	25	132.0	132.0	1,300	1,300
		Wind River RA	0.039	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.003	1.0[1]	25	132.0	132.0	1,300	1,300

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.2.11 Maximum Modeled Cumulative SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
SO_2	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.086	5	43.0	43.1	260	365
		Fitzpatrick WA	0.007	5	43.0	43.0	260	365
		Grand Teton NP	0.038	5	43.0	43.0	260	365
		Popo Agie WA	0.016	91	43.0	43.0	260	365
		Teton WA	0.012	5	43.0	43.0	260	365
		Washakie WA	0.008	5	43.0	43.0	260	365
		Wind River RA	0.015	91	43.0	43.0	260	365
		Yellowstone NP	0.013	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.269	25	132.0	132.3	1,300	1,300
		Fitzpatrick WA	0.023	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.201	25	132.0	132.2	1,300	1,300
		Popo Agie WA	0.091	512	132.0	132.1	1,300	1,300
		Teton WA	0.037	25	132.0	132.0	1,300	1,300
		Washakie WA	0.022	25	132.0	132.0	1,300	1,300
		Wind River RA	0.118	512	132.0	132.1	1,300	1,300
		Yellowstone NP	0.075	25	132.0	132.1	1,300	1,300

Table C.2.12 Maximum Modeled Cumulative SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR150 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
SO$_2$	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO$_2$	24-hr	Bridger WA	0.06	5	43.0	43.1	260	365
		Fitzpatrick WA	0.01	5	43.0	43.0	260	365
		Grand Teton NP	0.04	5	43.0	43.0	260	365
		Popo Agie WA	0.01	91	43.0	43.0	260	365
		Teton WA	0.01	5	43.0	43.0	260	365
		Washakie WA	0.01	5	43.0	43.0	260	365
		Wind River RA	0.01	91	43.0	43.0	260	365
		Yellowstone NP	0.01	5	43.0	43.0	260	365
SO$_2$	3-hr	Bridger WA	0.17	25	132.0	132.2	1,300	1,300
		Fitzpatrick WA	0.02	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.2	1,300	1,300
		Popo Agie WA	0.06	512	132.0	132.1	1,300	1,300
		Teton WA	0.04	25	132.0	132.0	1,300	1,300
		Washakie WA	0.02	25	132.0	132.0	1,300	1,300
		Wind River RA	0.11	512	132.0	132.1	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.1	1,300	1,300

Table C.2.13 Maximum Modeled Cumulative SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR075 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
SO_2	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.04	5	43.0	43.04	260	365
		Fitzpatrick WA	0.01	5	43.0	43.01	260	365
		Grand Teton NP	0.04	5	43.0	43.04	260	365
		Popo Agie WA	0.01	91	43.0	43.01	260	365
		Teton WA	0.01	5	43.0	43.01	260	365
		Washakie WA	0.01	5	43.0	43.01	260	365
		Wind River RA	0.01	91	43.0	43.01	260	365
		Yellowstone NP	0.01	5	43.0	43.01	260	365
SO_2	3-hr	Bridger WA	0.17	25	132.0	132.17	1,300	1,300
		Fitzpatrick WA	0.02	25	132.0	132.02	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.03	512	132.0	132.03	1,300	1,300
		Teton WA	0.04	25	132.0	132.04	1,300	1,300
		Washakie WA	0.02	25	132.0	132.02	1,300	1,300
		Wind River RA	0.11	512	132.0	132.11	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.07	1,300	1,300

Table C.2.14 Maximum Modeled Cumulative SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
SO_2	Annual	Bridger WA	0.014	2	9.0	9.01	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.002	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.001	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.39	5	43.0	43.39	260	365
		Fitzpatrick WA	0.02	5	43.0	43.02	260	365
		Grand Teton NP	0.04	5	43.0	43.04	260	365
		Popo Agie WA	0.07	91	43.0	43.07	260	365
		Teton WA	0.01	5	43.0	43.01	260	365
		Washakie WA	0.01	5	43.0	43.01	260	365
		Wind River RA	0.05	91	43.0	43.05	260	365
		Yellowstone NP	0.01	5	43.0	43.01	260	365
SO_2	3-hr	Bridger WA	1.25	25	132.0	133.25	1,300	1,300
		Fitzpatrick WA	0.09	25	132.0	132.09	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.44	512	132.0	132.44	1,300	1,300
		Teton WA	0.04	25	132.0	132.04	1,300	1,300
		Washakie WA	0.02	25	132.0	132.02	1,300	1,300
		Wind River RA	0.20	512	132.0	132.20	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.07	1,300	1,300

Table C.2.15 Maximum Modeled Cumulative SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR150 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
SO_2	Annual	Bridger WA	0.006	2	9.0	9.01	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.24	5	43.0	43.24	260	365
		Fitzpatrick WA	0.02	5	43.0	43.02	260	365
		Grand Teton NP	0.01	5	43.0	43.01	260	365
		Popo Agie WA	0.04	91	43.0	43.04	260	365
		Teton WA	0.00	5	43.0	43.00	260	365
		Washakie WA	0.01	5	43.0	43.01	260	365
		Wind River RA	0.03	91	43.0	43.03	260	365
		Yellowstone NP	0.00	5	43.0	43.00	260	365
SO_2	3-hr	Bridger WA	0.75	25	132.0	132.75	1,300	1,300
		Fitzpatrick WA	0.06	25	132.0	132.06	1,300	1,300
		Grand Teton NP	0.03	25	132.0	132.03	1,300	1,300
		Popo Agie WA	0.29	512	132.0	132.29	1,300	1,300
		Teton WA	0.02	25	132.0	132.02	1,300	1,300
		Washakie WA	0.02	25	132.0	132.02	1,300	1,300
		Wind River RA	0.12	512	132.0	132.12	1,300	1,300
		Yellowstone NP	0.01	25	132.0	132.01	1,300	1,300

Table C.2.16 Maximum Modeled Cumulative SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR075 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
SO_2	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.12	5	43.0	43.12	260	365
		Fitzpatrick WA	0.01	5	43.0	43.01	260	365
		Grand Teton NP	0.04	5	43.0	43.04	260	365
		Popo Agie WA	0.03	91	43.0	43.03	260	365
		Teton WA	0.01	5	43.0	43.01	260	365
		Washakie WA	0.01	5	43.0	43.01	260	365
		Wind River RA	0.01	91	43.0	43.01	260	365
		Yellowstone NP	0.01	5	43.0	43.01	260	365
SO_2	3-hr	Bridger WA	0.39	25	132.0	132.39	1,300	1,300
		Fitzpatrick WA	0.03	25	132.0	132.03	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.14	512	132.0	132.14	1,300	1,300
		Teton WA	0.04	25	132.0	132.04	1,300	1,300
		Washakie WA	0.02	25	132.0	132.02	1,300	1,300
		Wind River RA	0.11	512	132.0	132.11	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.07	1,300	1,300

Table C.2.17 Maximum Modeled Cumulative SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 20% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
SO$_2$	Annual	Bridger WA	0.010	2	9.0	9.01	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.001	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO$_2$	24-hr	Bridger WA	0.31	5	43.0	43.31	260	365
		Fitzpatrick WA	0.02	5	43.0	43.02	260	365
		Grand Teton NP	0.04	5	43.0	43.04	260	365
		Popo Agie WA	0.06	91	43.0	43.06	260	365
		Teton WA	0.01	5	43.0	43.01	260	365
		Washakie WA	0.01	5	43.0	43.01	260	365
		Wind River RA	0.04	91	43.0	43.04	260	365
		Yellowstone NP	0.01	5	43.0	43.01	260	365
SO$_2$	3-hr	Bridger WA	1.00	25	132.0	133.00	1,300	1,300
		Fitzpatrick WA	0.07	25	132.0	132.07	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.35	512	132.0	132.35	1,300	1,300
		Teton WA	0.04	25	132.0	132.04	1,300	1,300
		Washakie WA	0.02	25	132.0	132.02	1,300	1,300
		Wind River RA	0.16	512	132.0	132.16	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.07	1,300	1,300

Table C.2.18 Maximum Modeled Cumulative SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 40% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
SO_2	Annual	Bridger WA	0.006	2	9.0	9.01	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.24	5	43.0	43.24	260	365
		Fitzpatrick WA	0.01	5	43.0	43.01	260	365
		Grand Teton NP	0.04	5	43.0	43.04	260	365
		Popo Agie WA	0.04	91	43.0	43.04	260	365
		Teton WA	0.01	5	43.0	43.01	260	365
		Washakie WA	0.01	5	43.0	43.01	260	365
		Wind River RA	0.02	91	43.0	43.02	260	365
		Yellowstone NP	0.01	5	43.0	43.01	260	365
SO_2	3-hr	Bridger WA	0.75	25	132.0	132.75	1,300	1,300
		Fitzpatrick WA	0.05	25	132.0	132.05	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.26	512	132.0	132.26	1,300	1,300
		Teton WA	0.04	25	132.0	132.04	1,300	1,300
		Washakie WA	0.02	25	132.0	132.02	1,300	1,300
		Wind River RA	0.13	512	132.0	132.13	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.07	1,300	1,300

Table C.2.19 Maximum Modeled Cumulative SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 60% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
SO_2	Annual	Bridger WA	0.002	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.16	5	43.0	43.16	260	365
		Fitzpatrick WA	0.01	5	43.0	43.01	260	365
		Grand Teton NP	0.04	5	43.0	43.04	260	365
		Popo Agie WA	0.03	91	43.0	43.03	260	365
		Teton WA	0.01	5	43.0	43.01	260	365
		Washakie WA	0.01	5	43.0	43.01	260	365
		Wind River RA	0.02	91	43.0	43.02	260	365
		Yellowstone NP	0.01	5	43.0	43.01	260	365
SO_2	3-hr	Bridger WA	0.51	25	132.0	132.51	1,300	1,300
		Fitzpatrick WA	0.03	25	132.0	132.03	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.18	512	132.0	132.18	1,300	1,300
		Teton WA	0.04	25	132.0	132.04	1,300	1,300
		Washakie WA	0.02	25	132.0	132.02	1,300	1,300
		Wind River RA	0.13	512	132.0	132.13	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.07	1,300	1,300

Table C.2.20 Maximum Modeled Cumulative SO2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Mitigation 80% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
SO$_2$	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO$_2$	24-hr	Bridger WA	0.08	5	43.0	43.08	260	365
		Fitzpatrick WA	0.01	5	43.0	43.01	260	365
		Grand Teton NP	0.04	5	43.0	43.04	260	365
		Popo Agie WA	0.02	91	43.0	43.02	260	365
		Teton WA	0.01	5	43.0	43.01	260	365
		Washakie WA	0.01	5	43.0	43.01	260	365
		Wind River RA	0.01	91	43.0	43.01	260	365
		Yellowstone NP	0.01	5	43.0	43.01	260	365
SO$_2$	3-hr	Bridger WA	0.26	25	132.0	132.26	1,300	1,300
		Fitzpatrick WA	0.02	25	132.0	132.02	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.09	512	132.0	132.09	1,300	1,300
		Teton WA	0.04	25	132.0	132.04	1,300	1,300
		Washakie WA	0.02	25	132.0	132.02	1,300	1,300
		Wind River RA	0.12	512	132.0	132.12	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.07	1,300	1,300

Table C.3.1 Maximum Modeled PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
PM_{10}	Annual	Bridger WA	0.058	0.2^1	4	16.0	16.06	50	50
		Fitzpatrick WA	0.006	0.2^1	4	16.0	16.01	50	50
		Grand Teton NP	0.003	0.2^1	4	16.0	16.00	50	50
		Popo Agie WA	0.016	1.0	17	16.0	16.02	50	50
		Teton WA	0.002	0.2^1	4	16.0	16.00	50	50
		Washakie WA	0.002	0.2^1	4	16.0	16.00	50	50
		Wind River RA	0.012	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2^1	4	16.0	16.00	50	50
PM_{10}	24- hr	Bridger WA	1.502	0.3^1	8	33.0	34.50	150	150
		Fitzpatrick WA	0.168	0.3^1	8	33.0	33.17	150	150
		Grand Teton NP	0.088	0.3^1	8	33.0	33.09	150	150
		Popo Agie WA	0.237	5.0	30	33.0	33.24	150	150
		Teton WA	0.040	0.3^1	8	33.0	33.04	150	150
		Washakie WA	0.072	0.3^1	8	33.0	33.07	150	150
		Wind River RA	0.182	5.0	30	33.0	33.18	150	150
		Yellowstone NP	0.041	0.3^1	8	33.0	33.04	150	150

[1] Proposed Class I significance level, *Federal Register* /Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.3.2 Maximum Modeled PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR150

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
PM$_{10}$	Annual	Bridger WA	0.047	0.2[1]	4	16.0	16.05	50	50
		Fitzpatrick WA	0.005	0.2[1]	4	16.0	16.00	50	50
		Grand Teton NP	0.002	0.2[1]	4	16.0	16.00	50	50
		Popo Agie WA	0.013	1.0	17	16.0	16.01	50	50
		Teton WA	0.001	0.2[1]	4	16.0	16.00	50	50
		Washakie WA	0.001	0.2[1]	4	16.0	16.00	50	50
		Wind River RA	0.010	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2[1]	4	16.0	16.00	50	50
PM$_{10}$	24-hr	Bridger WA	1.195	0.3[1]	8	33.0	34.19	150	150
		Fitzpatrick WA	0.128	0.3[1]	8	33.0	33.13	150	150
		Grand Teton NP	0.067	0.3[1]	8	33.0	33.07	150	150
		Popo Agie WA	0.201	5.0	30	33.0	33.20	150	150
		Teton WA	0.031	0.3[1]	8	33.0	33.03	150	150
		Washakie WA	0.055	0.3[1]	8	33.0	33.05	150	150
		Wind River RA	0.157	5.0	30	33.0	33.16	150	150
		Yellowstone NP	0.031	0.3[1]	8	33.0	33.03	150	150

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.3.3 Maximum Modeled PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR075

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
PM_{10}	Annual	Bridger WA	0.038	0.2[1]	4	16.0	16.04	50	50
		Fitzpatrick WA	0.004	0.2[1]	4	16.0	16.00	50	50
		Grand Teton NP	0.001	0.2[1]	4	16.0	16.00	50	50
		Popo Agie WA	0.010	1.0	17	16.0	16.01	50	50
		Teton WA	0.001	0.2[1]	4	16.0	16.00	50	50
		Washakie WA	0.001	0.2[1]	4	16.0	16.00	50	50
		Wind River RA	0.008	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2[1]	4	16.0	16.00	50	50
PM_{10}	24-hr	Bridger WA	0.937	0.3[1]	8	33.0	33.94	150	150
		Fitzpatrick WA	0.097	0.3[1]	8	33.0	33.10	150	150
		Grand Teton NP	0.048	0.3[1]	8	33.0	33.05	150	150
		Popo Agie WA	0.171	5.0	30	33.0	33.17	150	150
		Teton WA	0.027	0.3[1]	8	33.0	33.03	150	150
		Washakie WA	0.040	0.3[1]	8	33.0	33.04	150	150
		Wind River RA	0.137	5.0	30	33.0	33.14	150	150
		Yellowstone NP	0.022	0.3[1]	8	33.0	33.02	150	150

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.3.4 Maximum Modeled PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
PM_{10}	Annual	Bridger WA	0.117	0.2[1]	4	16.0	16.12	50	50
		Fitzpatrick WA	0.012	0.2[1]	4	16.0	16.01	50	50
		Grand Teton NP	0.005	0.2[1]	4	16.0	16.01	50	50
		Popo Agie WA	0.034	1.0	17	16.0	16.03	50	50
		Teton WA	0.003	0.2[1]	4	16.0	16.00	50	50
		Washakie WA	0.004	0.2[1]	4	16.0	16.00	50	50
		Wind River RA	0.023	1.0	17	16.0	16.02	50	50
		Yellowstone NP	0.002	0.2[1]	4	16.0	16.00	50	50
PM_{10}	24-hr	Bridger WA	3.165	0.3[1]	8	33.0	36.17	150	150
		Fitzpatrick WA	0.396	0.3[1]	8	33.0	33.40	150	150
		Grand Teton NP	0.182	0.3[1]	8	33.0	33.18	150	150
		Popo Agie WA	0.414	5.0	30	33.0	33.41	150	150
		Teton WA	0.081	0.3[1]	8	33.0	33.08	150	150
		Washakie WA	0.145	0.3[1]	8	33.0	33.15	150	150
		Wind River RA	0.319	5.0	30	33.0	33.32	150	150
		Yellowstone NP	0.081	0.3[1]	8	33.0	33.08	150	150

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.3.5 Maximum Modeled PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR150

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
PM_{10}	Annual	Bridger WA	0.082	0.2[1]	4	16.0	16.08	50	50
		Fitzpatrick WA	0.008	0.2[1]	4	16.0	16.01	50	50
		Grand Teton NP	0.004	0.2[1]	4	16.0	16.00	50	50
		Popo Agie WA	0.023	1.0	17	16.0	16.02	50	50
		Teton WA	0.002	0.2[1]	4	16.0	16.00	50	50
		Washakie WA	0.003	0.2[1]	4	16.0	16.00	50	50
		Wind River RA	0.016	1.0	17	16.0	16.02	50	50
		Yellowstone NP	0.001	0.2[1]	4	16.0	16.00	50	50
PM_{10}	24-hr	Bridger WA	2.199	0.3[1]	8	33.0	35.20	150	150
		Fitzpatrick WA	0.264	0.3[1]	8	33.0	33.26	150	150
		Grand Teton NP	0.125	0.3[1]	8	33.0	33.12	150	150
		Popo Agie WA	0.296	5.0	30	33.0	33.30	150	150
		Teton WA	0.055	0.3[1]	8	33.0	33.05	150	150
		Washakie WA	0.100	0.3[1]	8	33.0	33.10	150	150
		Wind River RA	0.215	5.0	30	33.0	33.21	150	150
		Yellowstone NP	0.055	0.3[1]	8	33.0	33.05	150	150

[1] Proposed Class I significance level, *Federal Register* /Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.3.6 Maximum Modeled PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR075

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Applicable PSD Significance Level ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
PM_{10}	Annual	Bridger WA	0.054	0.2[1]	4	16.0	16.05	50	50
		Fitzpatrick WA	0.005	0.2[1]	4	16.0	16.01	50	50
		Grand Teton NP	0.002	0.2[1]	4	16.0	16.00	50	50
		Popo Agie WA	0.015	1.0	17	16.0	16.02	50	50
		Teton WA	0.001	0.2[1]	4	16.0	16.00	50	50
		Washakie WA	0.002	0.2[1]	4	16.0	16.00	50	50
		Wind River RA	0.011	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2[1]	4	16.0	16.00	50	50
PM_{10}	24-hr	Bridger WA	1.393	0.3[1]	8	33.0	34.39	150	150
		Fitzpatrick WA	0.161	0.3[1]	8	33.0	33.16	150	150
		Grand Teton NP	0.077	0.3[1]	8	33.0	33.08	150	150
		Popo Agie WA	0.211	5.0	30	33.0	33.21	150	150
		Teton WA	0.034	0.3[1]	8	33.0	33.03	150	150
		Washakie WA	0.061	0.3[1]	8	33.0	33.06	150	150
		Wind River RA	0.156	5.0	30	33.0	33.16	150	150
		Yellowstone NP	0.033	0.3[1]	8	33.0	33.03	150	150

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.3.7 Maximum Modeled PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 20% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
PM_{10}	Annual	Bridger WA	0.094	0.2[1]	4	16.0	16.09	50	50
		Fitzpatrick WA	0.009	0.2[1]	4	16.0	16.01	50	50
		Grand Teton NP	0.004	0.2[1]	4	16.0	16.00	50	50
		Popo Agie WA	0.027	1.0	17	16.0	16.03	50	50
		Teton WA	0.003	0.2[1]	4	16.0	16.00	50	50
		Washakie WA	0.003	0.2[1]	4	16.0	16.00	50	50
		Wind River RA	0.018	1.0	17	16.0	16.02	50	50
		Yellowstone NP	0.002	0.2[1]	4	16.0	16.00	50	50
PM_{10}	24-hr	Bridger WA	2.532	0.3[1]	8	33.0	35.53	150	150
		Fitzpatrick WA	0.317	0.3[1]	8	33.0	33.32	150	150
		Grand Teton NP	0.146	0.3[1]	8	33.0	33.15	150	150
		Popo Agie WA	0.331	5.0	30	33.0	33.33	150	150
		Teton WA	0.065	0.3[1]	8	33.0	33.06	150	150
		Washakie WA	0.116	0.3[1]	8	33.0	33.12	150	150
		Wind River RA	0.255	5.0	30	33.0	33.26	150	150
		Yellowstone NP	0.065	0.3[1]	8	33.0	33.06	150	150

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.3.8 Maximum Modeled PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 40% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
PM_{10}	Annual	Bridger WA	0.070	0.2[1]	4	16.0	16.07	50	50
		Fitzpatrick WA	0.007	0.2[1]	4	16.0	16.01	50	50
		Grand Teton NP	0.003	0.2[1]	4	16.0	16.00	50	50
		Popo Agie WA	0.020	1.0	17	16.0	16.02	50	50
		Teton WA	0.002	0.2[1]	4	16.0	16.00	50	50
		Washakie WA	0.002	0.2[1]	4	16.0	16.00	50	50
		Wind River RA	0.014	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2[1]	4	16.0	16.00	50	50
PM_{10}	24 hr	Bridger WA	1.899	0.3[1]	8	33.0	34.90	150	150
		Fitzpatrick WA	0.238	0.3[1]	8	33.0	33.24	150	150
		Grand Teton NP	0.109	0.3[1]	8	33.0	33.11	150	150
		Popo Agie WA	0.248	5.0	30	33.0	33.25	150	150
		Teton WA	0.049	0.3[1]	8	33.0	33.05	150	150
		Washakie WA	0.087	0.3[1]	8	33.0	33.09	150	150
		Wind River RA	0.191	5.0	30	33.0	33.19	150	150
		Yellowstone NP	0.049	0.3[1]	8	33.0	33.05	150	150

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.3.9 Maximum Modeled PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 60% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
PM_{10}	Annual	Bridger WA	0.047	0.2^1	4	16.0	16.05	50	50
		Fitzpatrick WA	0.005	0.2^1	4	16.0	16.00	50	50
		Grand Teton NP	0.002	0.2^1	4	16.0	16.00	50	50
		Popo Agie WA	0.013	1.0	17	16.0	16.01	50	50
		Teton WA	0.001	0.2^1	4	16.0	16.00	50	50
		Washakie WA	0.002	0.2^1	4	16.0	16.00	50	50
		Wind River RA	0.009	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2^1	4	16.0	16.00	50	50
PM_{10}	24-hr	Bridger WA	1.266	0.3^1	8	33.0	34.27	150	150
		Fitzpatrick WA	0.158	0.3^1	8	33.0	33.16	150	150
		Grand Teton NP	0.073	0.3^1	8	33.0	33.07	150	150
		Popo Agie WA	0.165	5.0	30	33.0	33.17	150	150
		Teton WA	0.032	0.3^1	8	33.0	33.03	150	150
		Washakie WA	0.058	0.3^1	8	33.0	33.06	150	150
		Wind River RA	0.128	5.0	30	33.0	33.13	150	150
		Yellowstone NP	0.032	0.3^1	8	33.0	33.03	150	150

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.3.10 Maximum Modeled PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 80% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Significance Level	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
PM_{10}	Annual	Bridger WA	0.023	0.2[1]	4	16.0	16.02	50	50
		Fitzpatrick WA	0.002	0.2[1]	4	16.0	16.00	50	50
		Grand Teton NP	0.001	0.2[1]	4	16.0	16.00	50	50
		Popo Agie WA	0.007	1.0	17	16.0	16.01	50	50
		Teton WA	0.001	0.2[1]	4	16.0	16.00	50	50
		Washakie WA	0.001	0.2[1]	4	16.0	16.00	50	50
		Wind River RA	0.005	1.0	17	16.0	16.00	50	50
		Yellowstone NP	0.000	0.2[1]	4	16.0	16.00	50	50
PM_{10}	24-hr	Bridger WA	0.633	0.3[1]	8	33.0	33.63	150	150
		Fitzpatrick WA	0.079	0.3[1]	8	33.0	33.08	150	150
		Grand Teton NP	0.036	0.3[1]	8	33.0	33.04	150	150
		Popo Agie WA	0.083	5.0	30	33.0	33.08	150	150
		Teton WA	0.016	0.3[1]	8	33.0	33.02	150	150
		Washakie WA	0.029	0.3[1]	8	33.0	33.03	150	150
		Wind River RA	0.064	5.0	30	33.0	33.06	150	150
		Yellowstone NP	0.016	0.3[1]	8	33.0	33.02	150	150

[1] Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table C.3.11 Maximum Modeled Cumulative PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
PM$_{10}$	Annual	Bridger WA	0.075	4	16.0	16.08	50	50
		Fitzpatrick WA	0.011	4	16.0	16.01	50	50
		Grand Teton NP	0.015	4	16.0	16.01	50	50
		Popo Agie WA	0.022	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.005	4	16.0	16.00	50	50
		Wind River RA	0.020	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.00	50	50
PM$_{10}$	24- hr	Bridger WA	1.661	8	33.0	34.66	150	150
		Fitzpatrick WA	0.195	8	33.0	33.20	150	150
		Grand Teton NP	0.136	8	33.0	33.14	150	150
		Popo Agie WA	0.293	30	33.0	33.29	150	150
		Teton WA	0.077	8	33.0	33.08	150	150
		Washakie WA	0.087	8	33.0	33.09	150	150
		Wind River RA	0.287	30	33.0	33.29	150	150
		Yellowstone NP	0.062	8	33.0	33.06	150	150

Table C.3.12 Maximum Modeled Cumulative PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR150 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
PM$_{10}$	Annual	Bridger WA	0.064	4	16.0	16.06	50	50
		Fitzpatrick WA	0.010	4	16.0	16.01	50	50
		Grand Teton NP	0.014	4	16.0	16.01	50	50
		Popo Agie WA	0.019	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.017	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.00	50	50
PM$_{10}$	24 - hr	Bridger WA	1.354	8	33.0	34.35	150	150
		Fitzpatrick WA	0.172	8	33.0	33.17	150	150
		Grand Teton NP	0.133	8	33.0	33.13	150	150
		Popo Agie WA	0.256	30	33.0	33.26	150	150
		Teton WA	0.067	8	33.0	33.07	150	150
		Washakie WA	0.070	8	33.0	33.07	150	150
		Wind River RA	0.264	30	33.0	33.26	150	150
		Yellowstone NP	0.056	8	33.0	33.06	150	150

Table C.3.13 Maximum Modeled Cumulative PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR075 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
PM_{10}	Annual	Bridger WA	0.055	4	16.0	16.06	50	50
		Fitzpatrick WA	0.009	4	16.0	16.01	50	50
		Grand Teton NP	0.014	4	16.0	16.01	50	50
		Popo Agie WA	0.017	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.016	17	16.0	16.02	50	50
		Yellowstone NP	0.004	4	16.0	16.00	50	50
PM_{10}	24-hr	Bridger WA	1.096	8	33.0	34.10	150	150
		Fitzpatrick WA	0.161	8	33.0	33.16	150	150
		Grand Teton NP	0.129	8	33.0	33.13	150	150
		Popo Agie WA	0.226	30	33.0	33.23	150	150
		Teton WA	0.060	8	33.0	33.06	150	150
		Washakie WA	0.059	8	33.0	33.06	150	150
		Wind River RA	0.245	30	33.0	33.24	150	150
		Yellowstone NP	0.052	8	33.0	33.05	150	150

Table C.3.14 Maximum Modeled Cumulative PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
PM_{10}	Annual	Bridger WA	0.134	4	16.0	16.13	50	50
		Fitzpatrick WA	0.017	4	16.0	16.02	50	50
		Grand Teton NP	0.018	4	16.0	16.02	50	50
		Popo Agie WA	0.040	17	16.0	16.04	50	50
		Teton WA	0.008	4	16.0	16.01	50	50
		Washakie WA	0.007	4	16.0	16.01	50	50
		Wind River RA	0.031	17	16.0	16.03	50	50
		Yellowstone NP	0.006	4	16.0	16.01	50	50
PM_{10}	24-hr	Bridger WA	3.319	8	33.0	36.32	150	150
		Fitzpatrick WA	0.406	8	33.0	33.41	150	150
		Grand Teton NP	0.227	8	33.0	33.23	150	150
		Popo Agie WA	0.462	30	33.0	33.46	150	150
		Teton WA	0.120	8	33.0	33.12	150	150
		Washakie WA	0.160	8	33.0	33.16	150	150
		Wind River RA	0.371	30	33.0	33.37	150	150
		Yellowstone NP	0.098	8	33.0	33.10	150	150

Table C.3.15 Maximum Modeled Cumulative PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR150 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
PM_{10}	Annual	Bridger WA	0.099	4	16.0	16.10	50	50
		Fitzpatrick WA	0.013	4	16.0	16.01	50	50
		Grand Teton NP	0.016	4	16.0	16.02	50	50
		Popo Agie WA	0.029	17	16.0	16.03	50	50
		Teton WA	0.007	4	16.0	16.01	50	50
		Washakie WA	0.006	4	16.0	16.01	50	50
		Wind River RA	0.024	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.01	50	50
PM_{10}	24-hr	Bridger WA	2.353	8	33.0	35.35	150	150
		Fitzpatrick WA	0.273	8	33.0	33.27	150	150
		Grand Teton NP	0.170	8	33.0	33.17	150	150
		Popo Agie WA	0.351	30	33.0	33.35	150	150
		Teton WA	0.093	8	33.0	33.09	150	150
		Washakie WA	0.115	8	33.0	33.11	150	150
		Wind River RA	0.316	30	33.0	33.32	150	150
		Yellowstone NP	0.071	8	33.0	33.07	150	150

Table C.3.16 Maximum Modeled Cumulative PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR075 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
PM_{10}	Annual	Bridger WA	0.071	4	16.0	16.07	50	50
		Fitzpatrick WA	0.010	4	16.0	16.01	50	50
		Grand Teton NP	0.015	4	16.0	16.01	50	50
		Popo Agie WA	0.021	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.005	4	16.0	16.00	50	50
		Wind River RA	0.019	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.00	50	50
PM_{10}	24-hr	Bridger WA	1.547	8	33.0	34.55	150	150
		Fitzpatrick WA	0.179	8	33.0	33.18	150	150
		Grand Teton NP	0.130	8	33.0	33.13	150	150
		Popo Agie WA	0.266	30	33.0	33.27	150	150
		Teton WA	0.073	8	33.0	33.07	150	150
		Washakie WA	0.077	8	33.0	33.08	150	150
		Wind River RA	0.270	30	33.0	33.27	150	150
		Yellowstone NP	0.058	8	33.0	33.06	150	150

Table C.3.17 Maximum Modeled Cumulative PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 20% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
PM_{10}	Annual	Bridger WA	0.111	4	16.0	16.11	50	50
		Fitzpatrick WA	0.014	4	16.0	16.01	50	50
		Grand Teton NP	0.016	4	16.0	16.02	50	50
		Popo Agie WA	0.033	17	16.0	16.03	50	50
		Teton WA	0.007	4	16.0	16.01	50	50
		Washakie WA	0.006	4	16.0	16.01	50	50
		Wind River RA	0.026	17	16.0	16.03	50	50
		Yellowstone NP	0.005	4	16.0	16.01	50	50
PM_{10}	24-hr	Bridger WA	2.686	8	33.0	35.69	150	150
		Fitzpatrick WA	0.326	8	33.0	33.33	150	150
		Grand Teton NP	0.190	8	33.0	33.19	150	150
		Popo Agie WA	0.379	30	33.0	33.38	150	150
		Teton WA	0.104	8	33.0	33.10	150	150
		Washakie WA	0.131	8	33.0	33.13	150	150
		Wind River RA	0.335	30	33.0	33.34	150	150
		Yellowstone NP	0.082	8	33.0	33.08	150	150

Table C.3.18 Maximum Modeled Cumulative PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 40% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
PM$_{10}$	Annual	Bridger WA	0.087	4	16.0	16.09	50	50
		Fitzpatrick WA	0.012	4	16.0	16.01	50	50
		Grand Teton NP	0.015	4	16.0	16.02	50	50
		Popo Agie WA	0.026	17	16.0	16.03	50	50
		Teton WA	0.007	4	16.0	16.01	50	50
		Washakie WA	0.005	4	16.0	16.01	50	50
		Wind River RA	0.022	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.00	50	50
PM$_{10}$	24-hr	Bridger WA	2.053	8	33.0	35.05	150	150
		Fitzpatrick WA	0.247	8	33.0	33.25	150	150
		Grand Teton NP	0.154	8	33.0	33.15	150	150
		Popo Agie WA	0.297	30	33.0	33.30	150	150
		Teton WA	0.088	8	33.0	33.09	150	150
		Washakie WA	0.103	8	33.0	33.10	150	150
		Wind River RA	0.300	30	33.0	33.30	150	150
		Yellowstone NP	0.067	8	33.0	33.07	150	150

Table C.3.19 Maximum Modeled Cumulative PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 60% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
PM$_{10}$	Annual	Bridger WA	0.064	4	16.0	16.06	50	50
		Fitzpatrick WA	0.010	4	16.0	16.01	50	50
		Grand Teton NP	0.014	4	16.0	16.01	50	50
		Popo Agie WA	0.020	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.017	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.00	50	50
PM$_{10}$	24-hr	Bridger WA	1.420	8	33.0	34.42	150	150
		Fitzpatrick WA	0.173	8	33.0	33.17	150	150
		Grand Teton NP	0.129	8	33.0	33.13	150	150
		Popo Agie WA	0.222	30	33.0	33.22	150	150
		Teton WA	0.072	8	33.0	33.07	150	150
		Washakie WA	0.074	8	33.0	33.07	150	150
		Wind River RA	0.265	30	33.0	33.26	150	150
		Yellowstone NP	0.058	8	33.0	33.06	150	150

Table C.3.20 Maximum Modeled Cumulative PM10 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 80% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
PM$_{10}$	Annual	Bridger WA	0.041	4	16.0	16.04	50	50
		Fitzpatrick WA	0.007	4	16.0	16.01	50	50
		Grand Teton NP	0.013	4	16.0	16.01	50	50
		Popo Agie WA	0.013	17	16.0	16.01	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.012	17	16.0	16.01	50	50
		Yellowstone NP	0.004	4	16.0	16.00	50	50
PM$_{10}$	24-hr	Bridger WA	0.787	8	33.0	33.79	150	150
		Fitzpatrick WA	0.151	8	33.0	33.15	150	150
		Grand Teton NP	0.125	8	33.0	33.13	150	150
		Popo Agie WA	0.180	30	33.0	33.18	150	150
		Teton WA	0.056	8	33.0	33.06	150	150
		Washakie WA	0.054	8	33.0	33.05	150	150
		Wind River RA	0.230	30	33.0	33.23	150	150
		Yellowstone NP	0.050	8	33.0	33.05	150	150

Table C.4.1 Maximum Modeled PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS[1] ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.058	5.0	5.06	15	15
		Fitzpatrick WA	0.006	5.0	5.01	15	15
		Grand Teton NP	0.003	5.0	5.00	15	15
		Popo Agie WA	0.016	5.0	5.02	15	15
		Teton WA	0.002	5.0	5.00	15	15
		Washakie WA	0.002	5.0	5.00	15	15
		Wind River RA	0.012	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	1.502	13.0	14.50	65	65
		Fitzpatrick WA	0.168	13.0	13.17	65	65
		Grand Teton NP	0.088	13.0	13.09	65	65
		Popo Agie WA	0.237	13.0	13.24	65	65
		Teton WA	0.040	13.0	13.04	65	65
		Washakie WA	0.072	13.0	13.07	65	65
		Wind River RA	0.182	13.0	13.18	65	65
		Yellowstone NP	0.041	13.0	13.04	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.2 Maximum Modeled PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR150

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS[1] ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.047	5.0	5.05	15	15
		Fitzpatrick WA	0.005	5.0	5.00	15	15
		Grand Teton NP	0.002	5.0	5.00	15	15
		Popo Agie WA	0.013	5.0	5.01	15	15
		Teton WA	0.001	5.0	5.00	15	15
		Washakie WA	0.001	5.0	5.00	15	15
		Wind River RA	0.010	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	1.195	13.0	14.19	65	65
		Fitzpatrick WA	0.128	13.0	13.13	65	65
		Grand Teton NP	0.067	13.0	13.07	65	65
		Popo Agie WA	0.201	13.0	13.20	65	65
		Teton WA	0.031	13.0	13.03	65	65
		Washakie WA	0.055	13.0	13.05	65	65
		Wind River RA	0.157	13.0	13.16	65	65
		Yellowstone NP	0.031	13.0	13.03	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.3 Maximum Modeled PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR075

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS[1] ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.038	5.0	5.04	15	15
		Fitzpatrick WA	0.004	5.0	5.00	15	15
		Grand Teton NP	0.001	5.0	5.00	15	15
		Popo Agie WA	0.010	5.0	5.01	15	15
		Teton WA	0.001	5.0	5.00	15	15
		Washakie WA	0.001	5.0	5.00	15	15
		Wind River RA	0.008	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	0.937	13.0	13.94	65	65
		Fitzpatrick WA	0.097	13.0	13.10	65	65
		Grand Teton NP	0.048	13.0	13.05	65	65
		Popo Agie WA	0.171	13.0	13.17	65	65
		Teton WA	0.027	13.0	13.03	65	65
		Washakie WA	0.040	13.0	13.04	65	65
		Wind River RA	0.137	13.0	13.14	65	65
		Yellowstone NP	0.022	13.0	13.02	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.4 Maximum Modeled PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS[1] ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.117	5.0	5.12	15	15
		Fitzpatrick WA	0.012	5.0	5.01	15	15
		Grand Teton NP	0.005	5.0	5.01	15	15
		Popo Agie WA	0.034	5.0	5.03	15	15
		Teton WA	0.003	5.0	5.00	15	15
		Washakie WA	0.004	5.0	5.00	15	15
		Wind River RA	0.023	5.0	5.02	15	15
		Yellowstone NP	0.002	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	3.165	13.0	16.17	65	65
		Fitzpatrick WA	0.396	13.0	13.40	65	65
		Grand Teton NP	0.182	13.0	13.18	65	65
		Popo Agie WA	0.414	13.0	13.41	65	65
		Teton WA	0.081	13.0	13.08	65	65
		Washakie WA	0.145	13.0	13.15	65	65
		Wind River RA	0.319	13.0	13.32	65	65
		Yellowstone NP	0.081	13.0	13.08	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.5 Maximum Modeled PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR150

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Background Concentration	Total Concentration	WAAQS[1]	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.082	5.0	5.08	15	15
		Fitzpatrick WA	0.008	5.0	5.01	15	15
		Grand Teton NP	0.004	5.0	5.00	15	15
		Popo Agie WA	0.023	5.0	5.02	15	15
		Teton WA	0.002	5.0	5.00	15	15
		Washakie WA	0.003	5.0	5.00	15	15
		Wind River RA	0.016	5.0	5.02	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	2.199	13.0	15.20	65	65
		Fitzpatrick WA	0.264	13.0	13.26	65	65
		Grand Teton NP	0.125	13.0	13.12	65	65
		Popo Agie WA	0.296	13.0	13.30	65	65
		Teton WA	0.055	13.0	13.05	65	65
		Washakie WA	0.100	13.0	13.10	65	65
		Wind River RA	0.215	13.0	13.21	65	65
		Yellowstone NP	0.055	13.0	13.05	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.6 Maximum Modeled PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR075

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Background Concentration	Total Concentration	WAAQS[1]	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.054	5.0	5.05	15	15
		Fitzpatrick WA	0.005	5.0	5.01	15	15
		Grand Teton NP	0.002	5.0	5.00	15	15
		Popo Agie WA	0.015	5.0	5.02	15	15
		Teton WA	0.001	5.0	5.00	15	15
		Washakie WA	0.002	5.0	5.00	15	15
		Wind River RA	0.011	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	1.393	13.0	14.39	65	65
		Fitzpatrick WA	0.161	13.0	13.16	65	65
		Grand Teton NP	0.077	13.0	13.08	65	65
		Popo Agie WA	0.211	13.0	13.21	65	65
		Teton WA	0.034	13.0	13.03	65	65
		Washakie WA	0.061	13.0	13.06	65	65
		Wind River RA	0.156	13.0	13.16	65	65
		Yellowstone NP	0.033	13.0	13.03	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.7 Maximum Modeled PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 20% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS[1] ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.094	5.0	5.09	15	15
		Fitzpatrick WA	0.009	5.0	5.01	15	15
		Grand Teton NP	0.004	5.0	5.00	15	15
		Popo Agie WA	0.027	5.0	5.03	15	15
		Teton WA	0.003	5.0	5.00	15	15
		Washakie WA	0.003	5.0	5.00	15	15
		Wind River RA	0.018	5.0	5.02	15	15
		Yellowstone NP	0.002	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	2.532	13.0	15.53	65	65
		Fitzpatrick WA	0.317	13.0	13.32	65	65
		Grand Teton NP	0.146	13.0	13.15	65	65
		Popo Agie WA	0.331	13.0	13.33	65	65
		Teton WA	0.065	13.0	13.06	65	65
		Washakie WA	0.116	13.0	13.12	65	65
		Wind River RA	0.255	13.0	13.26	65	65
		Yellowstone NP	0.065	13.0	13.06	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.8 Maximum Modeled PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 40% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Background Concentration	Total Concentration	WAAQS[1]	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
PM$_{2.5}$	Annual	Bridger WA	0.070	5.0	5.07	15	15
		Fitzpatrick WA	0.007	5.0	5.01	15	15
		Grand Teton NP	0.003	5.0	5.00	15	15
		Popo Agie WA	0.020	5.0	5.02	15	15
		Teton WA	0.002	5.0	5.00	15	15
		Washakie WA	0.002	5.0	5.00	15	15
		Wind River RA	0.014	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
PM$_{2.5}$	24-hr	Bridger WA	1.899	13.0	14.90	65	65
		Fitzpatrick WA	0.238	13.0	13.24	65	65
		Grand Teton NP	0.109	13.0	13.11	65	65
		Popo Agie WA	0.248	13.0	13.25	65	65
		Teton WA	0.049	13.0	13.05	65	65
		Washakie WA	0.087	13.0	13.09	65	65
		Wind River RA	0.191	13.0	13.19	65	65
		Yellowstone NP	0.049	13.0	13.05	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.9 Maximum Modeled PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 60% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Background Concentration	Total Concentration	WAAQS[1]	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.047	5.0	5.05	15	15
		Fitzpatrick WA	0.005	5.0	5.00	15	15
		Grand Teton NP	0.002	5.0	5.00	15	15
		Popo Agie WA	0.013	5.0	5.01	15	15
		Teton WA	0.001	5.0	5.00	15	15
		Washakie WA	0.002	5.0	5.00	15	15
		Wind River RA	0.009	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	1.266	13.0	14.27	65	65
		Fitzpatrick WA	0.158	13.0	13.16	65	65
		Grand Teton NP	0.073	13.0	13.07	65	65
		Popo Agie WA	0.165	13.0	13.17	65	65
		Teton WA	0.032	13.0	13.03	65	65
		Washakie WA	0.058	13.0	13.06	65	65
		Wind River RA	0.128	13.0	13.13	65	65
		Yellowstone NP	0.032	13.0	13.03	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.10 Maximum Modeled PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 80% Emissions Reduction WDR250

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS[1] ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.023	5.0	5.02	15	15
		Fitzpatrick WA	0.002	5.0	5.00	15	15
		Grand Teton NP	0.001	5.0	5.00	15	15
		Popo Agie WA	0.007	5.0	5.01	15	15
		Teton WA	0.001	5.0	5.00	15	15
		Washakie WA	0.001	5.0	5.00	15	15
		Wind River RA	0.005	5.0	5.00	15	15
		Yellowstone NP	0.000	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	0.633	13.0	13.63	65	65
		Fitzpatrick WA	0.079	13.0	13.08	65	65
		Grand Teton NP	0.036	13.0	13.04	65	65
		Popo Agie WA	0.083	13.0	13.08	65	65
		Teton WA	0.016	13.0	13.02	65	65
		Washakie WA	0.029	13.0	13.03	65	65
		Wind River RA	0.064	13.0	13.06	65	65
		Yellowstone NP	0.016	13.0	13.02	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.11 Maximum Modeled Cumulative PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Background Concentration	Total Concentration	WAAQS[1]	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
$PM_{2.5}$	Annual	Bridger WA	0.076	5.0	5.08	15	15
		Fitzpatrick WA	0.012	5.0	5.01	15	15
		Grand Teton NP	0.015	5.0	5.02	15	15
		Popo Agie WA	0.025	5.0	5.03	15	15
		Teton WA	0.007	5.0	5.01	15	15
		Washakie WA	0.005	5.0	5.01	15	15
		Wind River RA	0.021	5.0	5.02	15	15
		Yellowstone NP	0.005	5.0	5.01	15	15
$PM_{2.5}$	24-hr	Bridger WA	1.659	13.0	14.66	65	65
		Fitzpatrick WA	0.195	13.0	13.20	65	65
		Grand Teton NP	0.134	13.0	13.13	65	65
		Popo Agie WA	0.291	13.0	13.29	65	65
		Teton WA	0.073	13.0	13.07	65	65
		Washakie WA	0.087	13.0	13.09	65	65
		Wind River RA	0.278	13.0	13.28	65	65
		Yellowstone NP	0.060	13.0	13.06	65	65

[1] Standard not yet enforced in Wyoming.

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Table C.4.12 Maximum Modeled Cumulative PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR150 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Background Concentration	Total Concentration	WAAQS[1]	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.065	5.0	5.07	15	15
		Fitzpatrick WA	0.010	5.0	5.01	15	15
		Grand Teton NP	0.015	5.0	5.01	15	15
		Popo Agie WA	0.021	5.0	5.02	15	15
		Teton WA	0.006	5.0	5.01	15	15
		Washakie WA	0.005	5.0	5.00	15	15
		Wind River RA	0.019	5.0	5.02	15	15
		Yellowstone NP	0.005	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	1.351	13.0	14.35	65	65
		Fitzpatrick WA	0.166	13.0	13.17	65	65
		Grand Teton NP	0.125	13.0	13.13	65	65
		Popo Agie WA	0.254	13.0	13.25	65	65
		Teton WA	0.063	13.0	13.06	65	65
		Washakie WA	0.070	13.0	13.07	65	65
		Wind River RA	0.255	13.0	13.26	65	65
		Yellowstone NP	0.055	13.0	13.06	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.13 Maximum Modeled Cumulative PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR075 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Background Concentration	Total Concentration	WAAQS[1]	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
$PM_{2.5}$	Annual	Bridger WA	0.056	5.0	5.06	15	15
		Fitzpatrick WA	0.009	5.0	5.01	15	15
		Grand Teton NP	0.014	5.0	5.01	15	15
		Popo Agie WA	0.019	5.0	5.02	15	15
		Teton WA	0.006	5.0	5.01	15	15
		Washakie WA	0.004	5.0	5.00	15	15
		Wind River RA	0.017	5.0	5.02	15	15
		Yellowstone NP	0.005	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	1.094	13.0	14.09	65	65
		Fitzpatrick WA	0.155	13.0	13.16	65	65
		Grand Teton NP	0.122	13.0	13.12	65	65
		Popo Agie WA	0.224	13.0	13.22	65	65
		Teton WA	0.056	13.0	13.06	65	65
		Washakie WA	0.059	13.0	13.06	65	65
		Wind River RA	0.236	13.0	13.24	65	65
		Yellowstone NP	0.051	13.0	13.05	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.14 Maximum Modeled Cumulative PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Background Concentration	Total Concentration	WAAQS[1]	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
PM$_{2.5}$	Annual	Bridger WA	0.135	5.0	5.14	15	15
		Fitzpatrick WA	0.017	5.0	5.02	15	15
		Grand Teton NP	0.018	5.0	5.02	15	15
		Popo Agie WA	0.042	5.0	5.04	15	15
		Teton WA	0.008	5.0	5.01	15	15
		Washakie WA	0.007	5.0	5.01	15	15
		Wind River RA	0.032	5.0	5.03	15	15
		Yellowstone NP	0.006	5.0	5.01	15	15
PM$_{2.5}$	24-hr	Bridger WA	3.317	13.0	16.32	65	65
		Fitzpatrick WA	0.406	13.0	13.41	65	65
		Grand Teton NP	0.229	13.0	13.23	65	65
		Popo Agie WA	0.460	13.0	13.46	65	65
		Teton WA	0.117	13.0	13.12	65	65
		Washakie WA	0.160	13.0	13.16	65	65
		Wind River RA	0.361	13.0	13.36	65	65
		Yellowstone NP	0.100	13.0	13.10	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.15 Maximum Modeled Cumulative PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR150 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS[1] ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
PM$_{2.5}$	Annual	Bridger WA	0.100	5.0	5.10	15	15
		Fitzpatrick WA	0.014	5.0	5.01	15	15
		Grand Teton NP	0.016	5.0	5.02	15	15
		Popo Agie WA	0.032	5.0	5.03	15	15
		Teton WA	0.007	5.0	5.01	15	15
		Washakie WA	0.006	5.0	5.01	15	15
		Wind River RA	0.025	5.0	5.03	15	15
		Yellowstone NP	0.005	5.0	5.01	15	15
PM$_{2.5}$	24-hr	Bridger WA	2.351	13.0	15.35	65	65
		Fitzpatrick WA	0.273	13.0	13.27	65	65
		Grand Teton NP	0.171	13.0	13.17	65	65
		Popo Agie WA	0.349	13.0	13.35	65	65
		Teton WA	0.089	13.0	13.09	65	65
		Washakie WA	0.115	13.0	13.11	65	65
		Wind River RA	0.306	13.0	13.31	65	65
		Yellowstone NP	0.074	13.0	13.07	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.16 Maximum Modeled Cumulative PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR075 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Background Concentration	Total Concentration	WAAQS[1]	NAAQS
			$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
$PM_{2.5}$	Annual	Bridger WA	0.072	5.0	5.07	15	15
		Fitzpatrick WA	0.011	5.0	5.01	15	15
		Grand Teton NP	0.015	5.0	5.02	15	15
		Popo Agie WA	0.024	5.0	5.02	15	15
		Teton WA	0.007	5.0	5.01	15	15
		Washakie WA	0.005	5.0	5.00	15	15
		Wind River RA	0.020	5.0	5.02	15	15
		Yellowstone NP	0.005	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	1.545	13.0	14.54	65	65
		Fitzpatrick WA	0.179	13.0	13.18	65	65
		Grand Teton NP	0.123	13.0	13.12	65	65
		Popo Agie WA	0.264	13.0	13.26	65	65
		Teton WA	0.069	13.0	13.07	65	65
		Washakie WA	0.077	13.0	13.08	65	65
		Wind River RA	0.261	13.0	13.26	65	65
		Yellowstone NP	0.057	13.0	13.06	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.17 Maximum Modeled Cumulative PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 20% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Background Concentration	Total Concentration	WAAQS[1]	NAAQS
			(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
PM$_{2.5}$	Annual	Bridger WA	0.112	5.0	5.11	15	15
		Fitzpatrick WA	0.015	5.0	5.02	15	15
		Grand Teton NP	0.017	5.0	5.02	15	15
		Popo Agie WA	0.036	5.0	5.04	15	15
		Teton WA	0.008	5.0	5.01	15	15
		Washakie WA	0.006	5.0	5.01	15	15
		Wind River RA	0.027	5.0	5.03	15	15
		Yellowstone NP	0.006	5.0	5.01	15	15
PM$_{2.5}$	24-hr	Bridger WA	2.684	13.0	15.68	65	65
		Fitzpatrick WA	0.326	13.0	13.33	65	65
		Grand Teton NP	0.192	13.0	13.19	65	65
		Popo Agie WA	0.377	13.0	13.38	65	65
		Teton WA	0.100	13.0	13.10	65	65
		Washakie WA	0.131	13.0	13.13	65	65
		Wind River RA	0.326	13.0	13.33	65	65
		Yellowstone NP	0.084	13.0	13.08	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.18 Maximum Modeled Cumulative PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 40% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS[1] ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.088	5.0	5.09	15	15
		Fitzpatrick WA	0.013	5.0	5.01	15	15
		Grand Teton NP	0.016	5.0	5.02	15	15
		Popo Agie WA	0.029	5.0	5.03	15	15
		Teton WA	0.007	5.0	5.01	15	15
		Washakie WA	0.006	5.0	5.01	15	15
		Wind River RA	0.023	5.0	5.02	15	15
		Yellowstone NP	0.005	5.0	5.01	15	15
$PM_{2.5}$	24-hr	Bridger WA	2.051	13.0	15.05	65	65
		Fitzpatrick WA	0.247	13.0	13.25	65	65
		Grand Teton NP	0.156	13.0	13.16	65	65
		Popo Agie WA	0.295	13.0	13.29	65	65
		Teton WA	0.084	13.0	13.08	65	65
		Washakie WA	0.103	13.0	13.10	65	65
		Wind River RA	0.291	13.0	13.29	65	65
		Yellowstone NP	0.068	13.0	13.07	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.19 Maximum Modeled Cumulative PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 60% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact	Background Concentration	Total Concentration	WAAQS[1]	NAAQS
			($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
PM$_{2.5}$	Annual	Bridger WA	0.065	5.0	5.06	15	15
		Fitzpatrick WA	0.010	5.0	5.01	15	15
		Grand Teton NP	0.015	5.0	5.01	15	15
		Popo Agie WA	0.022	5.0	5.02	15	15
		Teton WA	0.007	5.0	5.01	15	15
		Washakie WA	0.005	5.0	5.00	15	15
		Wind River RA	0.018	5.0	5.02	15	15
		Yellowstone NP	0.005	5.0	5.00	15	15
PM$_{2.5}$	24-hr	Bridger WA	1.418	13.0	14.42	65	65
		Fitzpatrick WA	0.169	13.0	13.17	65	65
		Grand Teton NP	0.121	13.0	13.12	65	65
		Popo Agie WA	0.216	13.0	13.22	65	65
		Teton WA	0.068	13.0	13.07	65	65
		Washakie WA	0.074	13.0	13.07	65	65
		Wind River RA	0.256	13.0	13.26	65	65
		Yellowstone NP	0.057	13.0	13.06	65	65

[1] Standard not yet enforced in Wyoming.

Table C.4.20 Maximum Modeled Cumulative PM2.5 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 80% Emissions Reduction WDR250 and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS[1] ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.042	5.0	5.04	15	15
		Fitzpatrick WA	0.008	5.0	5.01	15	15
		Grand Teton NP	0.014	5.0	5.01	15	15
		Popo Agie WA	0.015	5.0	5.02	15	15
		Teton WA	0.006	5.0	5.01	15	15
		Washakie WA	0.004	5.0	5.00	15	15
		Wind River RA	0.014	5.0	5.01	15	15
		Yellowstone NP	0.004	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	0.785	13.0	13.79	65	65
		Fitzpatrick WA	0.145	13.0	13.14	65	65
		Grand Teton NP	0.118	13.0	13.12	65	65
		Popo Agie WA	0.170	13.0	13.17	65	65
		Teton WA	0.052	13.0	13.05	65	65
		Washakie WA	0.054	13.0	13.05	65	65
		Wind River RA	0.221	13.0	13.22	65	65
		Yellowstone NP	0.050	13.0	13.05	65	65

[1] Standard not yet enforced in Wyoming.

Table C.5.1 Maximum Predicted Impacts Within the JIDPA from Preferred Alternative Low Emissions WDR250
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	13.0	3.4	16.4	100	100
SO_2	3 Hour	20.3	132	152.3	1,300	1,300
	24-Hour	4.1	43	47.1	260	365
	Annual	0.4	9	9.4	60	80
PM_{10}	24-Hour	113.0	33	146.0	150	150
	Annual	15.8	16	31.8	50	50
$PM_{2.5}$	24-Hour	21.3	13	34.3	65[1]	65
	Annual	2.9	5	7.9	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.2 Maximum Predicted Impacts Within the JIDPA from Preferred Alternative Low Emissions WDR150
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact	Background Concentration	Total Concentration	WAAQS	NAAQS
		$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO_2	Annual	11.5	3.4	14.9	100	100
SO_2	3 Hour	15.4	132	147.4	1,300	1,300
	24-Hour	3.8	43	46.8	260	365
	Annual	0.4	9	9.4	60	80
PM_{10}	24-Hour	103.8	33	136.8	150	150
	Annual	14.6	16	30.6	50	50
$PM_{2.5}$	24-Hour	19.2	13	32.2	65[1]	65
	Annual	2.6	5	7.6	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.3 Maximum Predicted Impacts Within the JIDPA from Preferred Alternative Low Emissions WDR075
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	9.6	3.4	13.0	100	100
SO_2	3 Hour	15.4	132	147.4	1,300	1,300
	24-Hour	3.8	43	46.8	260	365
	Annual	0.3	9	9.3	60	80
PM_{10}	24-Hour	97.0	33	130.0	150	150
	Annual	13.6	16	29.6	50	50
$PM_{2.5}$	24-Hour	17.7	13	30.7	65[1]	65
	Annual	2.4	5	7.4	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.4 Maximum Predicted Impacts Within the JIDPA from Preferred Alternative High Emissions WDR250
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	34.2	3.4	37.6	100	100
SO_2	3 Hour	99.9	132	231.9	1,300	1,300
	24-Hour	20.3	43	63.3	260	365
	Annual	2.0	9	11.0	60	80
PM_{10}	24-Hour	116.0	33	149.0	150	150
	Annual	17.5	16	33.5	50	50
$PM_{2.5}$	24-Hour	25.2	13	38.2	65[1]	65
	Annual	4.7	5	9.7	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.5 Maximum Predicted Impacts Within the JIDPA from Preferred Alternative High Emissions WDR150
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	30.7	3.4	34.1	100	100
SO_2	3 Hour	75.8	132	207.8	1,300	1,300
	24-Hour	18.5	43	61.5	260	365
	Annual	1.8	9	10.8	60	80
PM_{10}	24-Hour	104.9	33	137.9	150	150
	Annual	16.1	16	32.1	50	50
$PM_{2.5}$	24-Hour	22.0	13	35.0	65[1]	65
	Annual	4.2	5	9.2	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.6 Maximum Predicted Impacts Within the JIDPA from Preferred Alternative High Emissions WDR075 Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact	Background Concentration	Total Concentration	WAAQS	NAAQS
		($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
NO_2	Annual	24.8	3.4	28.2	100	100
SO_2	3 Hour	75.8	132	207.8	1,300	1,300
	24-Hour	18.5	43	61.5	260	365
	Annual	1.4	9	10.4	60	80
PM_{10}	24-Hour	97.1	33	130.1	150	150
	Annual	14.9	16	30.9	50	50
$PM_{2.5}$	24-Hour	21.9	13	34.9	65[1]	65
	Annual	3.8	5	8.8	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.7 Maximum Predicted Impacts Within the JIDPA from Preferred Alternative Mitigation 20% Emissions Reduction WDR250 Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	27.3	3.4	30.7	100	100
SO_2	3 Hour	79.9	132	211.9	1,300	1,300
	24-Hour	16.2	43	59.2	260	365
	Annual	1.6	9	10.6	60	80
PM_{10}	24-Hour	92.9	33	125.9	150	150
	Annual	14.0	16	30.0	50	50
$PM_{2.5}$	24-Hour	20.1	13	33.1	65[1]	65
	Annual	3.7	5	8.7	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.8 Maximum Predicted Impacts Within the JIDPA from Preferred Alternative Mitigation 40% Emissions Reduction WDR250 Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	20.5	3.4	23.9	100	100
SO_2	3 Hour	59.9	132	191.9	1,300	1,300
	24-Hour	12.2	43	55.2	260	365
	Annual	1.2	9	10.2	60	80
PM_{10}	24-Hour	69.7	33	102.7	150	150
	Annual	10.5	16	26.5	50	50
$PM_{2.5}$	24-Hour	15.1	13	28.1	65[1]	65
	Annual	2.8	5	7.8	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.9 Maximum Predicted Impacts Within the JIDPA from Preferred Alternative Mitigation 60% Emissions Reduction WDR250 Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	13.7	3.4	17.1	100	100
SO_2	3 Hour	39.9	132	171.9	1,300	1,300
	24-Hour	8.1	43	51.1	260	365
	Annual	0.8	9	9.8	60	80
PM_{10}	24-Hour	46.5	33	79.5	150	150
	Annual	7.0	16	23.0	50	50
$PM_{2.5}$	24-Hour	10.1	13	23.1	65[1]	65
	Annual	1.9	5	6.9	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.10 Maximum Predicted Impacts Within the JIDPA from Preferred Alternative Mitigation 80% Emissions Reduction WDR250 Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	6.8	3.4	10.2	100	100
SO_2	3 Hour	20.0	132	152.0	1,300	1,300
	24-Hour	4.1	43	47.1	260	365
	Annual	0.4	9	9.4	60	80
PM_{10}	24-Hour	23.2	33	56.2	150	150
	Annual	3.5	16	19.5	50	50
$PM_{2.5}$	24-Hour	5.0	13	18.0	65[1]	65
	Annual	0.9	5	5.9	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.11 Maximum Predicted Cumulative Impacts Within the JIDPA from Preferred Alternative
Low Emissions WDR250 and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	13.3	3.4	16.7	100	100
SO_2	3 Hour	20.2	132	152.2	1,300	1,300
	24-Hour	4.0	43	47.0	260	365
	Annual	0.4	9	9.4	60	80
PM_{10}	24-Hour	113.1	33	146.1	150	150
	Annual	15.8	16	31.8	50	50
$PM_{2.5}$	24-Hour	21.4	13	34.4	65[1]	65
	Annual	2.9	5	7.9	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.12 Maximum Predicted Cumulative Impacts Within the JIDPA from Preferred Alternative Low Emissions WDR150 and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	11.7	3.4	15.1	100	100
SO_2	3 Hour	15.4	132	147.4	1,300	1,300
	24-Hour	3.6	43	46.6	260	365
	Annual	0.4	9	9.4	60	80
PM_{10}	24-Hour	103.9	33	136.9	150	150
	Annual	14.6	16	30.6	50	50
$PM_{2.5}$	24-Hour	19.3	13	32.3	65[1]	65
	Annual	2.6	5	7.6	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.13 Maximum Predicted Cumulative Impacts Within the JIDPA from Preferred Alternative
Low Emissions WDR075 and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	9.9	3.4	13.3	100	100
SO_2	3 Hour	15.4	132	147.4	1,300	1,300
	24-Hour	3.6	43	46.6	260	365
	Annual	0.3	9	9.3	60	80
PM_{10}	24-Hour	97.1	33	130.1	150	150
	Annual	13.6	16	29.6	50	50
$PM_{2.5}$	24-Hour	17.8	13	30.8	65[1]	65
	Annual	2.4	5	7.4	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.14 Maximum Predicted Cumulative Impacts Within the JIDPA from Preferred Alternative
High Emissions WDR250 and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	34.4	3.4	37.8	100	100
SO_2	3 Hour	99.8	132	231.8	1,300	1,300
	24-Hour	20.2	43	63.2	260	365
	Annual	1.9	9	10.9	60	80
PM_{10}	24-Hour	116.3	33	149.3	150	150
	Annual	17.5	16	33.5	50	50
$PM_{2.5}$	24-Hour	25.1	13	38.1	65[1]	65
	Annual	4.7	5	9.7	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.15 Maximum Predicted Cumulative Impacts Within the JIDPA from Preferred Alternative
High Emissions WDR150 and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	31.0	3.4	34.4	100	100
SO_2	3 Hour	75.8	132	207.8	1,300	1,300
	24-Hour	18.4	43	61.4	260	365
	Annual	1.8	9	10.8	60	80
PM_{10}	24-Hour	105.0	33	138.0	150	150
	Annual	16.1	16	32.1	50	50
$PM_{2.5}$	24-Hour	22.0	13	35.0	65[1]	65
	Annual	4.2	5	9.2	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.16 Maximum Predicted Cumulative Impacts Within the JIDPA from Preferred Alternative
High Emissions WDR075 and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact	Background Concentration	Total Concentration	WAAQS	NAAQS
		($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
NO_2	Annual	25.1	3.4	28.5	100	100
SO_2	3 Hour	75.8	132	207.8	1,300	1,300
	24-Hour	18.4	43	61.4	260	365
	Annual	1.4	9	10.4	60	80
PM_{10}	24-Hour	97.3	33	130.3	150	150
	Annual	14.9	16	30.9	50	50
$PM_{2.5}$	24-Hour	21.9	13	34.9	65[1]	65
	Annual	3.8	5	8.8	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.17 Maximum Predicted Cumulative Impacts Within the JIDPA from Preferred Alternative
Mitigation 20% Emissions Reduction WDR250 and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	27.6	3.4	31.0	100	100
SO_2	3 Hour	79.8	132	211.8	1,300	1,300
	24-Hour	16.1	43	59.1	260	365
	Annual	1.6	9	10.6	60	80
PM_{10}	24-Hour	93.0	33	126.0	150	150
	Annual	14.0	16	30.0	50	50
$PM_{2.5}$	24-Hour	20.1	13	33.1	65 [1]	65
	Annual	3.8	5	8.8	15 [1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.18 Maximum Predicted Cumulative Impacts Within the JIDPA from Preferred Alternative
Mitigation 40% Emissions Reduction WDR250 and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	20.8	3.4	24.2	100	100
SO_2	3 Hour	59.8	132	191.8	1,300	1,300
	24-Hour	12.1	43	55.1	260	365
	Annual	1.2	9	10.2	60	80
PM_{10}	24-Hour	69.8	33	102.8	150	150
	Annual	10.5	16	26.5	50	50
$PM_{2.5}$	24-Hour	15.0	13	28.0	65 [1]	65
	Annual	2.8	5	7.8	15 [1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.19 Maximum Predicted Cumulative Impacts Within the JIDPA from Preferred Alternative
Mitigation 60% Emissions Reduction WDR250 and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	13.9	3.4	17.3	100	100
SO_2	3 Hour	39.8	132	171.8	1,300	1,300
	24-Hour	8.0	43	51.0	260	365
	Annual	0.8	9	9.8	60	80
PM_{10}	24-Hour	46.6	33	79.6	150	150
	Annual	7.0	16	23.0	50	50
$PM_{2.5}$	24-Hour	10.0	13	23.0	65 [1]	65
	Annual	1.9	5	6.9	15 [1]	15

[1] Standard not yet enforced in Wyoming.

Table C.5.20 Maximum Predicted Cumulative Impacts Within the JIDPA from Preferred Alternative
Mitigation 80% Emissions Reduction WDR250 and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact	Background Concentration	Total Concentration	WAAQS	NAAQS
		$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
NO_2	Annual	7.1	3.4	10.5	100	100
SO_2	3 Hour	19.9	132	151.9	1,300	1,300
	24-Hour	4.0	43	47.0	260	365
	Annual	0.4	9	9.4	60	80
PM_{10}	24-Hour	23.3	33	56.3	150	150
	Annual	3.5	16	19.5	50	50
$PM_{2.5}$	24-Hour	5.0	13	18.0	65 [1]	65
	Annual	1.0	5	6.0	15	15

[1] Standard not yet enforced in Wyoming.

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Table C.6.1 Maximum Modeled Nitrogen (N) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources

| | Modeling Scenario | | | | | | | | | | Deposition Analysis |
Receptor Area	Low Emissions WDR250	Low Emissions WDR150	Low Emissions WDR075	High Emissions WDR250	High Emissions WDR150	High Emissions WDR075	20% Emissions Reduction WDR250	40% Emissions Reduction WDR250	60% Emissions Reduction WDR250	80% Emissions Reduction WDR250	Threshold for Project Alone[1]
Bridger WA	0.0334	0.023	0.016	0.077	0.051	0.031	0.062	0.046	0.031	0.015	0.005
Fitzpatrick WA	0.00256	0.0018	0.0012	0.0055	0.0036	0.0020	0.0044	0.0033	0.0022	0.0011	0.005
Grand Teton NP	0.00112	0.0008	0.00051	0.00239	0.0015	0.00088	0.00191	0.0014	0.00096	0.00048	0.005
Popo Agie WA	0.0159	0.011	0.007	0.0354	0.023	0.014	0.0283	0.021	0.014	0.0071	0.005
Teton WA	0.00053	0.00037	0.00024	0.00113	0.00073	0.00041	0.00090	0.00068	0.00045	0.00023	0.005
Washakie WA	0.00069	0.00048	0.00031	0.00142	0.00092	0.00052	0.00114	0.00085	0.00057	0.00028	0.005
Wind River RA	0.00945	0.0067	0.0043	0.0214	0.014	0.0077	0.0172	0.0129	0.0086	0.0043	0.005
Yellowstone NP	0.000390	0.00027	0.00018	0.00084	0.00054	0.00031	0.00067	0.00050	0.00034	0.00017	0.005

[1] National Park Service (2001).

Table C.6.2 Maximum Modeled Total Nitrogen (N) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative and Regional Sources

Receptor Area	Low Emissions WDR250		Low Emissions WDR150		Low Emissions WDR075		High Emissions WDR250		High Emissions WDR150		Level of Concern for Total Impacts [1]
	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	
Bridger WA	0.055	1.555	0.047	1.547	0.040	1.540	0.093	1.593	0.070	1.570	3.00
Fitzpatrick WA	0.0078	1.508	0.0070	1.507	0.0064	1.506	0.011	1.511	0.0088	1.509	3.00
Grand Teton NP	0.0103	1.510	0.010	1.510	0.010	1.510	0.012	1.512	0.011	1.511	3.00
Popo Agie WA	0.028	1.528	0.023	1.523	0.020	1.520	0.048	1.548	0.035	1.535	3.00
Teton WA	0.0036	1.504	0.0035	1.503	0.0033	1.503	0.0042	1.504	0.0038	1.504	3.00
Washakie WA	0.0040	1.504	0.0039	1.504	0.0037	1.504	0.0046	1.505	0.0042	1.504	3.00
Wind River RA	0.020	1.520	0.017	1.517	0.015	1.515	0.032	1.532	0.025	1.525	3.00
Yellowstone NP	0.0026	1.503	0.0025	1.503	0.0024	1.502	0.0030	1.503	0.0028	1.503	3.00

Receptor Area	High Emissions WDR075		20% Emissions Reduction WDR250		40% Emissions Reduction WDR250		60% Emissions Reduction WDR250		80% Emissions Reduction WDR250		Level of Concern for Total Impacts [1]
	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	
Bridger WA	0.050	1.550	0.080	1.580	0.067	1.567	0.054	1.554	0.042	1.542	3.00
Fitzpatrick WA	0.0072	1.507	0.0096	1.510	0.0085	1.509	0.0074	1.507	0.0063	1.506	3.00
Grand Teton NP	0.010	1.510	0.011	1.511	0.011	1.511	0.010	1.510	0.010	1.510	3.00
Popo Agie WA	0.026	1.526	0.041	1.541	0.033	1.533	0.026	1.526	0.019	1.519	3.00
Teton WA	0.0035	1.503	0.0040	1.504	0.0038	1.504	0.0035	1.504	0.0033	1.503	3.00
Washakie WA	0.0039	1.504	0.0044	1.504	0.0041	1.504	0.0039	1.504	0.0037	1.504	3.00
Wind River RA	0.018	1.518	0.028	1.528	0.024	1.524	0.019	1.519	0.015	1.515	3.00
Yellowstone NP	0.0025	1.503	0.0029	1.503	0.0027	1.503	0.0026	1.503	0.0024	1.502	3.00

[1] Fox et al. (1989)
[2] Includes N deposition value of 1.5 kg/ha-yr measured near Pinedale for the year 2001.

Table C.6.3 Maximum Modeled Sulfur (S) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Sources

Receptor Area	Modeling Scenario										Deposition Analysis Threshold for Project Alone[1]
	Low Emissions WDR250	Low Emissions WDR150	Low Emissions WDR075	High Emissions WDR250	High Emissions WDR150	High Emissions WDR075	20% Emissions Reduction WDR250	40% Emissions Reduction WDR250	60% Emissions Reduction WDR250	80% Emissions Reduction WDR250	
Bridger WA	0.0016	0.0010	0.00057	0.0077	0.0048	0.0027	0.00616	0.0046	0.0031	0.0015	0.005
Fitzpatrick WA	0.00016	0.00010	0.000050	0.00079	0.00048	0.00023	0.00063	0.00047	0.00032	0.00016	0.005
Grand Teton NP	0.000073	0.000044	0.000022	0.00035	0.00021	0.00010	0.00028	0.00021	0.00014	0.000070	0.005
Popo Agie WA	0.00081	0.00050	0.00027	0.00390	0.0024	0.0012	0.00312	0.0023	0.0016	0.00078	0.005
Teton WA	0.000041	0.000025	0.000012	0.00020	0.00012	0.000057	0.0016	0.00012	0.000078	0.000039	0.005
Washakie WA	0.000047	0.000029	0.000014	0.00023	0.00014	0.000065	0.0018	0.00014	0.000091	0.000045	0.005
Wind River RA	0.00047	0.00029	0.00014	0.0023	0.0014	0.00065	0.0018	0.0014	0.00091	0.00045	0.005
Yellowstone NP	0.000027	0.000016	0.000008	0.00013	0.000078	0.000038	0.00010	0.000077	0.000051	0.000026	0.005

[1] National Park Service (2001).

Table C.6.4 Maximum Modeled Total Sulfur (S) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative and Regional Sources

Receptor Area	Low Emissions WDR250		Low Emissions WDR150		Low Emissions WDR075		High Emissions WDR250		High Emissions WDR150		Level of Concern for Total Impacts[1]
	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	
Bridger WA	-0.00085	0.74915	-0.00087	0.74913	-0.00089	0.74911	0.0041	0.75408	0.0011	0.75113	5.00
Fitzpatrick WA	-0.00075	0.74925	-0.00078	0.74922	-0.00079	0.74921	-0.00051	0.74949	-0.00063	0.74937	5.00
Grand Teton NP	0.0034	0.75345	0.0034	0.75342	0.0034	0.75340	0.0037	0.75372	0.0036	0.75358	5.00
Popo Agie WA	-0.0021	0.74793	-0.0023	0.74770	-0.0025	0.74753	0.00027	0.75027	-0.00089	0.74911	5.00
Teton WA	0.00085	0.75085	0.00084	0.75084	0.00082	0.75082	0.00101	0.75101	0.00093	0.75093	5.00
Washakie WA	-0.00013	0.74987	-0.00013	0.74987	-0.00014	0.74986	-0.00008	0.74992	-0.00011	0.74989	5.00
Wind River RA	-0.0011	0.74892	-0.0011	0.74889	-0.0011	0.74887	-0.0004	0.74961	-0.0010	0.74904	5.00
Yellowstone NP	0.0010	0.75102	0.0010	0.75101	0.0010	0.75100	0.0011	0.75110	0.0011	0.75106	5.00

Receptor Area	High Emissions WDR075		20% Emissions Reduction WDR250		40% Emissions Reduction WDR250		60% Emissions Reduction WDR250		80% Emissions Reduction WDR250		Level of Concern for Total Impacts[1]
	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	Modeled Impact	Total Impact[2]	
Bridger WA	-0.00083	0.74917	0.00254	0.75254	0.0010	0.75100	-0.00054	0.74946	-0.00085	0.74915	5.00
Fitzpatrick WA	-0.00072	0.74928	-0.00057	0.74943	-0.00063	0.74937	-0.00069	0.74931	-0.00075	0.74925	5.00
Grand Teton NP	0.0035	0.75348	0.0037	0.75365	0.0036	0.75358	0.0035	0.75351	0.0034	0.75344	5.00
Popo Agie WA	-0.0018	0.74823	-0.00034	0.74966	-0.00093	0.74907	-0.0015	0.74849	-0.0021	0.74790	5.00
Teton WA	0.00087	0.75087	0.00097	0.75097	0.00093	0.75093	0.00089	0.75089	0.00085	0.75085	5.00
Washakie WA	-0.00012	0.74988	-0.00009	0.74991	-0.00011	0.74989	-0.00012	0.74988	-0.00013	0.74987	5.00
Wind River RA	-0.0011	0.74894	-0.0008	0.74916	-0.0010	0.74904	-0.0010	0.74898	-0.0011	0.74891	5.00
Yellowstone NP	0.0010	0.75103	0.0011	0.75108	0.0011	0.75106	0.0010	0.75104	0.0010	0.75102	5.00

[1] Fox et al. (1989)
[2] Includes S deposition value of 0.75 kg/ha-yr measured near Pinedale for the year 2001.

Note: Negative results reflect a net decrease in cumulative SO_2 emissions.

Table C.7.1 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Low Emissions WDR250

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.70	0.10	0.149%
Deep	Bridger	59.9	5.99	0.11	0.183%
Hobbs	Bridger	69.9	6.99	0.02	0.029%
Lazy Boy	Bridger	18.8	1.00	0.01	0.037%
Lower Saddlebag	Popo Agie	55.5	5.55	0.12	0.223%
Ross	Fitzpatrick	53.5	5.35	0.01	0.013%
Upper Frozen	Bridger	5.0	1.00	0.14	2.705%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.2 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Low Emissions WDR150

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.7	0.07	0.105%
Deep	Bridger	59.9	6.0	0.08	0.129%
Hobbs	Bridger	69.9	7.0	0.01	0.020%
Lazy Boy	Bridger	18.8	1.0	0.00	0.026%
Lower Saddlebag	Popo Agie	55.5	5.6	0.09	0.157%
Ross	Fitzpatrick	53.5	5.4	0.00	0.009%
Upper Frozen	Bridger	5.0	1.0	0.10	1.903%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.3 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from
Preferred Alternative Low Emissions WDR075

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.7	0.047	0.071%
Deep	Bridger	59.9	6.0	0.051	0.085%
Hobbs	Bridger	69.9	7.0	0.009	0.013%
Lazy Boy	Bridger	18.8	1.0	0.003	0.017%
Lower Saddlebag	Popo Agie	55.5	5.6	0.058	0.104%
Ross	Fitzpatrick	53.5	5.4	0.003	0.006%
Upper Frozen	Bridger	5.0	1.0	0.062	1.235%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.4 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative High Emissions WDR250

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.7	0.234	0.350%
Deep	Bridger	59.9	6.0	0.257	0.429%
Hobbs	Bridger	69.9	7.0	0.048	0.068%
Lazy Boy	Bridger	18.8	1.0	0.015	0.082%
Lower Saddlebag	Popo Agie	55.5	5.6	0.283	0.509%
Ross	Fitzpatrick	53.5	5.4	0.015	0.029%
Upper Frozen	Bridger	5.0	1.0	0.322	6.432%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.5 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative High Emissions WDR150

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.7	0.151	0.226%
Deep	Bridger	59.9	6.0	0.167	0.278%
Hobbs	Bridger	69.9	7.0	0.030	0.043%
Lazy Boy	Bridger	18.8	1.0	0.010	0.054%
Lower Saddlebag	Popo Agie	55.5	5.6	0.183	0.329%
Ross	Fitzpatrick	53.5	5.4	0.010	0.019%
Upper Frozen	Bridger	5.0	1.0	0.210	4.191%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.6 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative High Emissions WDR075

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.7	0.087	0.130%
Deep	Bridger	59.9	6.0	0.093	0.156%
Hobbs	Bridger	69.9	7.0	0.016	0.023%
Lazy Boy	Bridger	18.8	1.0	0.006	0.030%
Lower Saddlebag	Popo Agie	55.5	5.6	0.109	0.197%
Ross	Fitzpatrick	53.5	5.4	0.006	0.011%
Upper Frozen	Bridger	5.0	1.0	0.117	2.334%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.7 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Mitigation 20% Emissions Reduction WDR250

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.7	0.187	0.280%
Deep	Bridger	59.9	6.0	0.206	0.343%
Hobbs	Bridger	69.9	7.0	0.038	0.055%
Lazy Boy	Bridger	18.8	1.0	0.012	0.066%
Lower Saddlebag	Popo Agie	55.5	5.6	0.226	0.407%
Ross	Fitzpatrick	53.5	5.4	0.012	0.023%
Upper Frozen	Bridger	5.0	1.0	0.257	5.146%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.8 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from
Preferred Alternative Mitigation 40% Emissions Reduction WDR250

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.7	0.141	0.210%
Deep	Bridger	59.9	6.0	0.154	0.257%
Hobbs	Bridger	69.9	7.0	0.029	0.041%
Lazy Boy	Bridger	18.8	1.0	0.009	0.049%
Lower Saddlebag	Popo Agie	55.5	5.6	0.170	0.305%
Ross	Fitzpatrick	53.5	5.4	0.009	0.017%
Upper Frozen	Bridger	5.0	1.0	0.193	3.859%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.9 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Mitigation 60% Emissions Reduction WDR250

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.7	0.094	0.140%
Deep	Bridger	59.9	6.0	0.103	0.172%
Hobbs	Bridger	69.9	7.0	0.019	0.027%
Lazy Boy	Bridger	18.8	1.0	0.006	0.033%
Lower Saddlebag	Popo Agie	55.5	5.6	0.113	0.204%
Ross	Fitzpatrick	53.5	5.4	0.006	0.012%
Upper Frozen	Bridger	5.0	1.0	0.129	2.573%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.10 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Mitigation 80% Emissions Reduction WDR250

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.7	0.047	0.070%
Deep	Bridger	59.9	6.0	0.051	0.086%
Hobbs	Bridger	69.9	7.0	0.010	0.014%
Lazy Boy	Bridger	18.8	1.0	0.003	0.016%
Lower Saddlebag	Popo Agie	55.5	5.6	0.057	0.102%
Ross	Fitzpatrick	53.5	5.4	0.003	0.006%
Upper Frozen	Bridger	5.0	1.0	0.064	1.286%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.11 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Low Emissions WDR250 and Regional Sources

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.70	0.180	0.27%
Deep	Bridger	59.9	5.99	0.190	0.32%
Hobbs	Bridger	69.9	6.99	0.061	0.09%
Lazy Boy	Bridger	18.8	1.00	0.031	0.17%
Lower Saddlebag	Popo Agie	55.5	5.55	0.215	0.39%
Ross	Fitzpatrick	53.5	5.35	0.032	0.06%
Upper Frozen	Bridger	5.0	1.00	0.220	4.40%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.12 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Low Emissions WDR150 and Regional Sources

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.70	0.152	0.23%
Deep	Bridger	59.9	5.99	0.160	0.27%
Hobbs	Bridger	69.9	6.99	0.055	0.08%
Lazy Boy	Bridger	18.8	1.00	0.029	0.16%
Lower Saddlebag	Popo Agie	55.5	5.55	0.179	0.32%
Ross	Fitzpatrick	53.5	5.35	0.030	0.06%
Upper Frozen	Bridger	5.0	1.00	0.182	3.64%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.13 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Low Emissions WDR075 and Regional Sources

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.70	0.130	0.19%
Deep	Bridger	59.9	5.99	0.135	0.23%
Hobbs	Bridger	69.9	6.99	0.050	0.07%
Lazy Boy	Bridger	18.8	1.00	0.028	0.15%
Lower Saddlebag	Popo Agie	55.5	5.55	0.152	0.27%
Ross	Fitzpatrick	53.5	5.35	0.029	0.05%
Upper Frozen	Bridger	5.0	1.00	0.150	3.00%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.14 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative High Emissions WDR250 and Regional Sources

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.70	0.299	0.45%
Deep	Bridger	59.9	5.99	0.321	0.54%
Hobbs	Bridger	69.9	6.99	0.084	0.12%
Lazy Boy	Bridger	18.8	1.00	0.038	0.20%
Lower Saddlebag	Popo Agie	55.5	5.55	0.354	0.64%
Ross	Fitzpatrick	53.5	5.35	0.039	0.07%
Upper Frozen	Bridger	5.0	1.00	0.387	7.74%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.15 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative High Emissions WDR150 and Regional Sources

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.70	0.224	0.33%
Deep	Bridger	59.9	5.99	0.239	0.40%
Hobbs	Bridger	69.9	6.99	0.068	0.10%
Lazy Boy	Bridger	18.8	1.00	0.034	0.18%
Lower Saddlebag	Popo Agie	55.5	5.55	0.264	0.48%
Ross	Fitzpatrick	53.5	5.35	0.034	0.06%
Upper Frozen	Bridger	5.0	1.00	0.283	5.66%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.16 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative High Emissions WDR075 and Regional Sources

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.70	0.166	0.25%
Deep	Bridger	59.9	5.99	0.172	0.29%
Hobbs	Bridger	69.9	6.99	0.056	0.08%
Lazy Boy	Bridger	18.8	1.00	0.030	0.16%
Lower Saddlebag	Popo Agie	55.5	5.55	0.197	0.36%
Ross	Fitzpatrick	53.5	5.35	0.031	0.06%
Upper Frozen	Bridger	5.0	1.00	0.199	3.98%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.17 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Mitigation 20% Emissions Reduction WDR250 and Regional Sources

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.70	0.256	0.38%
Deep	Bridger	59.9	5.99	0.274	0.46%
Hobbs	Bridger	69.9	6.99	0.075	0.11%
Lazy Boy	Bridger	18.8	1.00	0.036	0.19%
Lower Saddlebag	Popo Agie	55.5	5.55	0.303	0.55%
Ross	Fitzpatrick	53.5	5.35	0.036	0.07%
Upper Frozen	Bridger	5.0	1.00	0.326	6.51%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.18 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Mitigation 40% Emissions Reduction WDR250 and Regional Sources

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.70	0.213	0.32%
Deep	Bridger	59.9	5.99	0.227	0.38%
Hobbs	Bridger	69.9	6.99	0.067	0.10%
Lazy Boy	Bridger	18.8	1.00	0.033	0.17%
Lower Saddlebag	Popo Agie	55.5	5.55	0.251	0.45%
Ross	Fitzpatrick	53.5	5.35	0.034	0.06%
Upper Frozen	Bridger	5.0	1.00	0.267	5.33%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.19 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Mitigation 60% Emissions Reduction WDR250 and Regional Sources

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.70	0.170	0.25%
Deep	Bridger	59.9	5.99	0.180	0.30%
Hobbs	Bridger	69.9	6.99	0.058	0.08%
Lazy Boy	Bridger	18.8	1.00	0.030	0.16%
Lower Saddlebag	Popo Agie	55.5	5.55	0.199	0.36%
Ross	Fitzpatrick	53.5	5.35	0.031	0.06%
Upper Frozen	Bridger	5.0	1.00	0.208	4.16%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.7.20 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Preferred Alternative Mitigation 80% Emissions Reduction WDR250 and Regional Sources

Lake	Wilderness Area	Background ANC	Level of Acceptable Change[1]	ANC Change	Percent ANC Change
		(µeq/L)	(µeq/L)	(µeq/L)	(%)
Black Joe	Bridger	67.0	6.70	0.127	0.19%
Deep	Bridger	59.9	5.99	0.133	0.22%
Hobbs	Bridger	69.9	6.99	0.050	0.07%
Lazy Boy	Bridger	18.8	1.00	0.027	0.15%
Lower Saddlebag	Popo Agie	55.5	5.55	0.147	0.27%
Ross	Fitzpatrick	53.5	5.35	0.028	0.05%
Upper Frozen	Bridger	5.0	1.00	0.149	2.98%

[1] USFS Level of Acceptable Change (USFS 2000).

Table C.8.1 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Low Emissions WDR250

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	2.96	22	9	3.26	26	9
Fitzpatrick WA	0.53	2	0	0.61	3	0
Grand Teton NP	0.31	0	0	0.31	0	0
Popo Agie WA	0.51	2	0	0.59	2	0
Teton WA	0.13	0	0	0.14	0	0
Washakie WA	0.23	0	0	0.23	0	0
Wind River RA	0.43	0	0	0.50	0	0
Yellowstone NP	0.15	0	0	0.15	0	0

[1] Δdv = change in deciview.

Table C.8.2   Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Low Emissions WDR150

	FLAG Background Data[1]			IMPROVE Background Data[1]		
Receptor Area	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	2.23	13	5	2.46	18	6
Fitzpatrick WA	0.37	0	0	0.43	0	0
Grand Teton NP	0.22	0	0	0.23	0	0
Popo Agie WA	0.37	0	0	0.43	0	0
Teton WA	0.10	0	0	0.10	0	0
Washakie WA	0.17	0	0	0.17	0	0
Wind River RA	0.31	0	0	0.35	0	0
Yellowstone NP	0.11	0	0	0.11	0	0

[1] Δdv = change in deciview.

Table C.8.3 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Low Emissions WDR075

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	1.59	9	2	1.77	10	2
Fitzpatrick WA	0.25	0	0	0.29	0	0
Grand Teton NP	0.15	0	0	0.15	0	0
Popo Agie WA	0.28	0	0	0.31	0	0
Teton WA	0.06	0	0	0.06	0	0
Washakie WA	0.11	0	0	0.11	0	0
Wind River RA	0.22	0	0	0.25	0	0
Yellowstone NP	0.07	0	0	0.07	0	0

[1] Δdv = change in deciview.

Table C.8.4   Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR250

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	5.92	67	23	6.44	70	31
Fitzpatrick WA	1.34	6	2	1.54	9	3
Grand Teton NP	0.65	1	0	0.66	1	0
Popo Agie WA	1.21	17	2	1.36	19	2
Teton WA	0.27	0	0	0.28	0	0
Washakie WA	0.47	0	0	0.48	0	0
Wind River RA	1.06	10	1	1.22	15	1
Yellowstone NP	0.30	0	0	0.31	0	0

[1] Δdv = change in deciview.

Table C.8.5 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative High Emissions WDR150

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	4.23	38	15	4.64	46	17
Fitzpatrick WA	0.88	3	0	1.01	4	1
Grand Teton NP	0.44	0	0	0.45	0	0
Popo Agie WA	0.79	3	0	0.90	5	0
Teton WA	0.18	0	0	0.18	0	0
Washakie WA	0.31	0	0	0.32	0	0
Wind River RA	0.69	2	0	0.80	3	0
Yellowstone NP	0.20	0	0	0.20	0	0

[1] Δdv = change in deciview.

Table C.8.6 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative High Emissions WDR075

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	2.61	17	8	2.97	21	7
Fitzpatrick WA	0.50	0	0	0.58	1	0
Grand Teton NP	0.26	0	0	0.26	0	0
Popo Agie WA	0.47	0	0	0.55	2	0
Teton WA	0.10	0	0	0.10	0	0
Washakie WA	0.18	0	0	0.18	0	0
Wind River RA	0.41	0	0	0.47	0	0
Yellowstone NP	0.12	0	0	0.12	0	0

[1] Δdv = change in deciview.

Table C.8.7 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Mitigation 20% Emissions Reduction WDR250

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	4.98	52	19	5.45	52	20
Fitzpatrick WA	1.08	4	1	1.25	4	1
Grand Teton NP	0.53	1	0	0.53	1	0
Popo Agie WA	0.98	11	0	1.11	12	2
Teton WA	0.22	0	0	0.22	0	0
Washakie WA	0.38	0	0	0.38	0	0
Wind River RA	0.85	6	0	0.98	8	0
Yellowstone NP	0.24	0	0	0.25	0	0

[1] Δdv = change in deciview.

Table C.8.8 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Mitigation 40% Emissions Reduction WDR250

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	3.95	37	14	4.34	39	15
Fitzpatrick WA	0.82	3	0	0.95	3	0
Grand Teton NP	0.40	0	0	0.40	0	0
Popo Agie WA	0.74	2	0	0.84	4	0
Teton WA	0.17	0	0	0.17	0	0
Washakie WA	0.28	0	0	0.29	0	0
Wind River RA	0.65	1	0	0.75	1	0
Yellowstone NP	0.18	0	0	0.19	0	0

[1] Δdv = change in deciview.

Table C.8.9 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Mitigation 60% Emissions Reduction WDR250

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	2.80	20	9	3.09	20	9
Fitzpatrick WA	0.56	1	0	0.64	2	0
Grand Teton NP	0.27	0	0	0.27	0	0
Popo Agie WA	0.50	1	0	0.57	2	0
Teton WA	0.11	0	0	0.11	0	0
Washakie WA	0.19	0	0	0.19	0	0
Wind River RA	0.44	0	0	0.50	1	0
Yellowstone NP	0.12	0	0	0.12	0	0

[1] Δdv = change in deciview.

Table C.8.10 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Mitigation 80% Emissions Reduction WDR250

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	1.50	9	2	1.66	9	3
Fitzpatrick WA	0.28	0	0	0.33	0	0
Grand Teton NP	0.13	0	0	0.14	0	0
Popo Agie WA	0.25	0	0	0.29	0	0
Teton WA	0.06	0	0	0.06	0	0
Washakie WA	0.10	0	0	0.10	0	0
Wind River RA	0.22	0	0	0.26	0	0
Yellowstone NP	0.06	0	0	0.06	0	0

[1] Δdv = change in deciview.

Table C.8.11 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR250 and Regional Sources

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	3.43	37	11	3.78	44	15
Fitzpatrick WA	0.74	5	0	0.85	7	0
Grand Teton NP	0.48	0	0	0.49	0	0
Popo Agie WA	0.83	8	0	0.97	13	0
Teton WA	0.23	0	0	0.23	0	0
Washakie WA	0.33	0	0	0.33	0	0
Wind River RA	1.07	6	1	1.19	11	2
Yellowstone NP	0.24	0	0	0.25	0	0

[1] Δdv = change in deciview.

Table C.8.12 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR150 and Regional Sources

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	2.74	27	8	3.03	34	9
Fitzpatrick WA	0.60	3	0	0.69	4	0
Grand Teton NP	0.40	0	0	0.40	0	0
Popo Agie WA	0.73	6	0	0.85	8	0
Teton WA	0.20	0	0	0.20	0	0
Washakie WA	0.28	0	0	0.28	0	0
Wind River RA	0.97	5	0	1.08	7	2
Yellowstone NP	0.20	0	0	0.20	0	0

[1] Δdv = change in deciview.

Table C.8.13 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Low Emissions WDR075 and Regional Sources

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	2.30	20	4	2.63	24	6
Fitzpatrick WA	0.52	1	0	0.60	2	0
Grand Teton NP	0.36	0	0	0.36	0	0
Popo Agie WA	0.66	3	0	0.76	6	0
Teton WA	0.18	0	0	0.18	0	0
Washakie WA	0.24	0	0	0.24	0	0
Wind River RA	0.89	4	0	0.99	6	0
Yellowstone NP	0.18	0	0	0.18	0	0

[1] Δdv = change in deciview.

Table C.8.14 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative High Emissions WDR250 and Regional Sources

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	6.28	80	32	6.82	90	39
Fitzpatrick WA	1.37	10	3	1.58	13	3
Grand Teton NP	0.82	3	0	0.83	3	0
Popo Agie WA	1.45	28	4	1.67	31	6
Teton WA	0.34	0	0	0.34	0	0
Washakie WA	0.57	1	0	0.58	1	0
Wind River RA	1.39	22	3	1.54	22	5
Yellowstone NP	0.39	0	0	0.40	0	0

[1] Δdv = change in deciview.

Table C.8.15 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative High Emissions WDR150 and Regional Sources

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	4.66	62	18	5.09	63	24
Fitzpatrick WA	0.93	7	0	1.07	9	2
Grand Teton NP	0.61	1	0	0.62	1	0
Popo Agie WA	1.06	17	1	1.22	21	3
Teton WA	0.27	0	0	0.27	0	0
Washakie WA	0.41	0	0	0.42	0	0
Wind River RA	1.15	15	2	1.28	17	2
Yellowstone NP	0.29	0	0	0.30	0	0

[1] Δdv = change in deciview.

Table C.8.16 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative High Emissions WDR075 and Regional Sources

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	3.11	32	11	3.42	40	13
Fitzpatrick WA	0.66	4	0	0.76	6	0
Grand Teton NP	0.43	0	0	0.44	0	0
Popo Agie WA	0.78	7	0	0.90	11	0
Teton WA	0.21	0	0	0.21	0	0
Washakie WA	0.29	0	0	0.30	0	0
Wind River RA	0.95	5	0	1.06	10	2
Yellowstone NP	0.21	0	0	0.21	0	0

[1] Δdv = change in deciview.

Table C.8.17 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Mitigation 20% Emissions Reduction WDR250 and Regional Sources

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	5.38	71	25	5.87	73	29
Fitzpatrick WA	1.12	9	2	1.29	12	3
Grand Teton NP	0.70	1	0	0.70	2	0
Popo Agie WA	1.23	22	3	1.42	26	4
Teton WA	0.30	0	0	0.30	0	0
Washakie WA	0.48	0	0	0.48	0	0
Wind River RA	1.26	18	2	1.40	20	3
Yellowstone NP	0.33	0	0	0.34	0	0

[1] Δdv = change in deciview.

Table C.8.18 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Mitigation 40% Emissions Reduction WDR250 and Regional Sources

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	4.39	52	16	4.80	58	21
Fitzpatrick WA	0.86	7	0	1.00	9	0
Grand Teton NP	0.57	1	0	0.58	1	0
Popo Agie WA	1.01	15	1	1.16	21	3
Teton WA	0.26	0	0	0.26	0	0
Washakie WA	0.38	0	0	0.39	0	0
Wind River RA	1.13	11	1	1.26	15	2
Yellowstone NP	0.27	0	0	0.28	0	0

[1] Δdv = change in deciview.

Table C.8.19 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Preferred Alternative Mitigation 60% Emissions Reduction WDR250 and Regional Sources

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	3.29	34	11	3.62	41	15
Fitzpatrick WA	0.66	4	0	0.76	6	0
Grand Teton NP	0.44	0	0	0.45	0	0
Popo Agie WA	0.79	7	0	0.92	11	0
Teton WA	0.21	0	0	0.22	0	0
Washakie WA	0.30	0	0	0.30	0	0
Wind River RA	1.00	4	0	1.11	10	2
Yellowstone NP	0.21	0	0	0.22	0	0

[1] Δdv = change in deciview.

Table C.8.20 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from
Preferred Alternative Mitigation 80% Emissions Reduction WDR250 and Regional Sources

Receptor Area	FLAG Background Data[1]			IMPROVE Background Data[1]		
	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	2.29	19	5	2.62	21	6
Fitzpatrick WA	0.49	0	0	0.57	2	0
Grand Teton NP	0.34	0	0	0.35	0	0
Popo Agie WA	0.64	2	0	0.75	4	0
Teton WA	0.17	0	0	0.17	0	0
Washakie WA	0.23	0	0	0.23	0	0
Wind River RA	0.86	4	0	0.96	4	0
Yellowstone NP	0.17	0	0	0.18	0	0

[1] Δdv = change in deciview.

Table C.8.21 Bridger Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2	1	2	-	-	-	0.65	-	-	0.52	-	-	-	0.80	0.78	0.77	1.10	0.90	0.77	0.98	0.86	0.78	0.77
3	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72	0.58	-	0.63	0.54	-	-
4	1	4	-	-	-	0.97	0.72	-	0.78	0.59	-	-	0.53	-	-	1.06	0.81	0.56	0.88	0.69	-	-
6	1	6	2.77	2.06	1.46	5.70	4.08	2.61	4.79	3.79	2.68	1.43	3.05	2.62	2.30	5.91	4.33	2.89	5.02	4.05	2.96	2.29
7	1	7	1.55	1.17	0.85	3.28	2.28	1.36	2.71	2.10	1.45	0.75	2.06	1.70	1.39	3.71	2.75	1.87	3.16	2.58	1.96	1.29
17	1	17	-	-	-	0.76	-	-	0.62	-	-	-	0.52	-	-	0.94	0.68	-	0.80	0.65	0.50	-
18	1	18	-	-	-	0.86	0.54	-	0.70	0.53	-	-	-	-	-	0.99	0.67	-	0.82	0.65	-	-
20	1	20	0.50	-	-	1.21	0.82	-	0.98	0.74	0.50	-	0.61	-	-	1.32	0.93	0.61	1.09	0.85	0.62	-
21	1	21	0.66	-	-	1.62	1.10	0.69	1.32	1.00	0.68	-	0.85	0.67	0.54	1.79	1.28	0.87	1.49	1.18	0.87	0.54
22	1	22	-	-	-	0.64	-	-	0.52	-	-	-	-	-	-	0.71	0.55	-	0.59	-	-	-
23	1	23	1.27	0.89	0.64	2.92	1.92	1.25	2.40	1.86	1.27	0.66	1.56	1.19	0.95	3.17	2.19	1.53	2.66	2.13	1.56	0.96
24	1	24	0.63	-	-	1.34	0.85	0.56	1.09	0.83	0.56	-	1.58	1.41	1.26	2.23	1.75	1.35	2.00	1.76	1.52	1.27
26	1	26	0.51	-	-	1.03	0.67	-	0.83	0.63	-	-	0.60	-	-	1.11	0.76	-	0.91	0.71	0.51	-
27	1	27	-	-	-	0.91	0.60	-	0.73	0.56	-	-	0.60	0.50	-	1.00	0.74	0.54	0.84	0.69	0.54	-
28	1	28	-	-	-	-	-	-	-	-	-	-	0.91	0.85	0.84	1.07	0.88	0.86	1.01	0.96	0.91	0.85
30	1	30	1.68	1.22	0.79	4.00	2.80	1.63	3.32	2.58	1.79	0.94	1.75	1.28	0.86	4.05	2.86	1.70	3.37	2.64	1.86	1.01
39	2	8	-	-	-	0.95	0.66	-	0.76	0.58	-	-	-	-	-	0.99	0.70	-	0.80	0.62	-	-
40	2	9	0.61	-	-	1.39	0.93	-	1.13	0.86	0.58	-	0.64	-	-	1.42	0.96	-	1.16	0.89	0.61	-
41	2	10	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-
43	2	12	-	-	-	-	-	-	-	-	-	-	-	-	-	0.64	0.50	-	0.56	-	-	-
44	2	13	0.77	0.57	-	1.84	1.26	0.74	1.49	1.14	0.77	-	0.94	0.74	0.57	1.99	1.42	0.91	1.65	1.30	0.94	0.57
45	2	14	-	-	-	0.62	-	-	-	-	-	-	0.56	-	-	0.87	0.67	0.52	0.75	0.63	0.51	-
53	2	22	-	-	-	0.56	-	-	-	-	-	-	0.62	0.62	0.62	0.69	0.62	0.62	0.62	0.62	0.62	0.62
54	2	23	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-
56	2	25	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	-	-	-	-	-	-
57	2	26	-	-	-	0.52	-	-	-	-	-	-	-	-	-	0.61	-	-	0.51	-	-	-
58	2	27	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	-	-	-	-	-	-
61	3	2	-	-	-	0.89	0.57	-	0.72	0.54	-	-	0.83	0.71	0.60	1.30	0.99	0.72	1.13	0.96	0.80	0.62
62	3	3	-	-	-	0.86	0.56	-	0.70	0.53	-	-	0.57	-	-	1.02	0.73	0.53	0.86	0.69	0.55	-
63	3	4	-	-	-	0.87	0.60	-	0.70	0.53	-	-	0.69	0.57	-	1.08	0.82	0.59	0.91	0.75	0.58	-
74	3	15	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-
76	3	17	-	-	-	0.64	-	-	0.52	-	-	-	-	-	-	0.71	0.52	-	0.58	-	-	-
77	3	18	-	-	-	0.57	-	-	-	-	-	-	-	-	-	0.62	-	-	0.50	-	-	-
84	3	25	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	-	-	-	-	-	-
85	3	26	-	-	-	0.85	0.60	-	0.69	0.52	-	-	-	-	-	0.91	0.65	-	0.74	0.58	-	-
86	3	27	-	-	-	0.94	0.64	-	0.76	0.57	-	-	0.65	0.53	-	1.13	0.84	0.59	0.96	0.78	0.59	-
87	3	28	-	-	-	0.54	-	-	-	-	-	-	-	-	-	0.72	0.55	-	0.61	0.51	-	-
90	3	31	-	-	-	0.94	0.65	-	0.76	0.58	-	-	0.52	-	-	1.05	0.75	-	0.87	0.68	-	-
92	4	2	-	-	-	0.75	0.52	-	0.61	-	-	-	-	-	-	0.83	0.60	-	0.68	0.54	-	-
103	4	13	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	-	-	-	-
108	4	18	1.14	0.83	0.58	2.65	1.78	1.06	2.17	1.67	1.14	0.59	1.18	0.87	0.62	2.68	1.82	1.10	2.20	1.71	1.18	0.63
109	4	19	1.61	1.17	0.80	3.70	2.58	1.53	3.06	2.38	1.65	0.86	1.65	1.21	0.84	3.73	2.61	1.57	3.10	2.42	1.69	0.90
116	4	26	-	-	-	-	-	-	-	-	-	-	-	-	-	0.65	0.50	-	0.56	-	-	-
119	4	29	-	-	-	0.62	-	-	-	-	-	-	-	-	-	0.74	0.51	-	0.62	0.50	-	-
132	5	12	-	-	-	0.98	0.74	-	0.79	0.60	-	-	0.68	0.59	-	1.22	0.99	0.57	1.04	0.85	0.66	-
198	7	17	-	-	-	0.57	-	-	-	-	-	-	-	-	-	0.61	-	-	-	-	-	-
201	7	20	-	-	-	0.73	0.51	-	0.58	-	-	-	-	-	-	0.74	0.52	-	0.59	-	-	-
205	7	24	-	-	-	0.55	-	-	-	-	-	-	-	-	-	0.62	-	-	0.51	-	-	-
254	9	11	-	-	-	0.58	-	-	-	-	-	-	-	-	-	0.63	-	-	0.51	-	-	-
262	9	19	-	-	-	0.58	-	-	-	-	-	-	-	-	-	0.63	-	-	0.52	-	-	-
263	9	20	-	-	-	0.74	-	-	0.60	-	-	-	-	-	-	0.88	0.63	-	0.74	0.60	-	-
265	9	22	0.57	-	-	1.32	0.94	0.57	1.07	0.81	0.55	-	0.65	0.52	-	1.40	1.02	0.65	1.15	0.90	0.64	-
266	9	23	-	-	-	0.62	-	-	0.50	-	-	-	-	-	-	0.82	0.59	-	0.70	0.58	-	-
268	9	25	-	-	-	0.67	-	-	0.54	-	-	-	-	-	-	0.73	0.53	-	0.60	-	-	-
269	9	26	-	-	-	0.65	-	-	0.53	-	-	-	-	-	-	0.67	-	-	0.55	-	-	-
274	10	1	0.94	0.67	-	2.24	1.52	0.91	1.83	1.41	0.96	-	1.25	0.99	0.78	2.52	1.81	1.22	2.12	1.70	1.27	0.81
275	10	2	-	-	-	0.54	-	-	-	-	-	-	-	-	-	0.61	-	-	0.50	-	-	-
279	10	6	-	-	-	0.68	-	-	0.55	-	-	-	-	-	-	0.74	0.55	-	0.61	-	-	-
280	10	7	-	-	-	0.71	-	-	0.57	-	-	-	-	-	-	0.85	0.62	-	0.71	0.58	-	-
281	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	0.62	0.50	-	0.54	-	-	-
282	10	9	0.64	0.52	-	1.37	1.02	0.67	1.11	0.85	0.57	-	0.69	0.57	-	1.41	1.06	0.72	1.15	0.89	0.62	-
309	11	5	-	-	-	1.18	0.80	0.50	0.96	0.73	-	-	0.62	-	-	1.34	0.97	0.69	1.12	0.89	0.66	-
320	11	16	-	-	-	0.84	0.61	-	0.68	0.51	-	-	-	-	-	0.89	0.66	-	0.73	0.56	-	-
322	11	18	-	-	-	0.82	-	-	0.66	0.50	-	-	-	-	-	0.88	0.56	-	0.72	0.56	-	-
325	11	21	-	-	-	0.54	-	-	-	-	-	-	-	-	-	0.67	-	-	0.56	-	-	-
326	11	22	-	-	-	0.57	-	-	-	-	-	-	-	-	-	0.76	0.57	-	0.65	0.54	-	-
351	12	17	-	-	-	0.91	0.61	-	0.73	0.56	-	-	0.52	-	-	0.97	0.67	-	0.80	0.62	-	-
352	12	18	1.10	0.81	0.62	2.50	1.72	1.18	2.05	1.58	1.08	0.55	1.18	0.90	0.71	2.58	1.80	1.27	2.13	1.66	1.17	0.65
353	12	19	0.85	0.63	-	1.84	1.22	0.83	1.50	1.14	0.78	-	0.89	0.68	0.54	1.88	1.26	0.88	1.54	1.19	0.82	-
354	12	20	0.70	-	-	1.54	0.95	-	1.25	0.95	0.65	-	0.77	0.56	-	1.61	1.03	0.54	1.32	1.03	0.72	-
355	12	21	-	-	-	0.70	-	-	0.56	-	-	-	-	-	-	0.75	0.51	-	0.62	-	-	-
356	12	22	2.95	2.23	1.59	5.92	4.23	2.61	4.98	3.95	2.80	1.50	3.43	2.74	2.14	6.28	4.66	3.11	5.38	4.39	3.29	2.05
357	12	23	1.16	0.85	0.60	2.42	1.60	0.88	1.98	1.52	1.04	0.53	1.46	1.16	0.91	2.69	1.89	1.17	2.26	1.81	1.35	0.86
358	12	24	-	-	-	0.50	-	-	-	-	-	-	-	-	-	0.58	-	-	-	-	-	-
359	12	25	-	-	-	-	-	-	-	-	-	-	-	-	-	0.59	-	-	0.53	-	-	-
360	12	26	-	-	-	0.69	-	-	0.55	-	-	-	-	-	-	0.73	0.52	-	0.59	-	-	-
361	12	27	-	-	-	0.55	-	-	-	-	-	-	-	-	-	0.71	0.53	-	0.61	0.50	-	-
362	12	28	0.52	-	-	1.07	0.71	-	0.87	0.66	-	-	0.92	0.85	0.81	1.32	0.97	0.83	1.12	0.94	0.86	0.78
363	12	29	0.70	-	-	1.70	1.11	-	1.38	1.06	0.72	-	0.95	0.75	0.55	1.93	1.35	0.76	1.62	1.30	0.97	0.63
364	12	30	-	-	-	0.74	-	-	0.60	-	-	-	-	-	-	0.83	0.57	-	0.69	0.54	-	-
Number of Days Δ dv >= 0.5			22	13	9	67	38	17	52	37	20	9	37	27	20	80	62	32	71	52	34	19
Number of Days Δ dv >= 1.0			9	5	2	23	15	8	19	14	9	2	11	8	4	33	18	11	25	16	11	5
Maximum Δ dv			2.95	2.23	1.59	5.92	4.23	2.61	4.98	3.95	2.80	1.50	3.43	2.74	2.30	6.28	4.66	3.11	5.38	4.39	3.29	2.29

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2	1	2	-	-	-	0.75	0.51	-	0.60	-	-	-	0.92	0.90	0.89	1.27	1.04	0.89	1.13	0.99	0.90	0.89
3	1	3	-	-	-	0.54	-	-	-	-	-	-	0.52	-	-	0.83	0.68	0.51	0.73	0.63	0.52	-
4	1	4	0.50	-	-	1.12	0.83	0.53	0.90	0.69	-	-	0.62	0.52	-	1.23	0.94	0.65	1.01	0.80	0.58	-
6	1	6	3.15	2.36	1.67	6.38	4.61	2.97	5.39	4.29	3.05	1.64	3.47	2.98	2.63	6.61	4.88	3.29	5.64	4.57	3.37	2.62
7	1	7	1.78	1.35	0.98	3.72	2.60	1.56	3.08	2.40	1.66	0.86	2.36	1.95	1.60	4.20	3.13	2.14	3.59	2.93	2.24	1.49
12	1	12	-	-	-	-	-	-	-	-	-	-	-	-	-	0.55	-	-	-	-	-	-
13	1	13	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-
14	1	14	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58	-	-	0.51	-	-	-
16	1	16	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-
17	1	17	-	-	-	0.88	0.57	-	0.71	0.54	-	-	0.60	-	-	1.09	0.78	0.54	0.92	0.75	0.58	-
18	1	18	-	-	-	1.00	0.63	-	0.80	0.61	-	-	0.55	-	-	1.14	0.77	0.54	0.95	0.75	0.56	-
20	1	20	0.58	-	-	1.39	0.95	0.58	1.13	0.86	0.58	-	0.71	0.56	-	1.51	1.08	0.71	1.25	0.99	0.71	-
21	1	21	0.76	0.55	-	1.86	1.27	0.79	1.51	1.15	0.79	-	0.98	0.77	0.62	2.05	1.48	1.01	1.71	1.36	1.00	0.62
22	1	22	-	-	-	0.74	0.55	-	0.60	-	-	-	-	-	-	0.83	0.64	-	0.68	0.54	-	-
23	1	23	1.46	1.02	0.74	3.33	2.20	1.43	2.74	2.12	1.47	0.76	1.78	1.37	1.09	3.60	2.50	1.76	3.03	2.43	1.79	1.11
24	1	24	0.73	0.51	-	1.54	0.98	0.65	1.25	0.95	0.65	-	1.82	1.62	1.45	2.55	2.01	1.54	2.28	2.02	1.74	1.46
26	1	26	0.59	-	-	1.18	0.78	-	0.96	0.73	-	-	0.69	0.52	-	1.28	0.88	0.56	1.05	0.82	0.59	-
27	1	27	-	-	-	1.05	0.69	-	0.85	0.64	-	-	0.69	0.58	-	1.15	0.86	0.63	0.96	0.80	0.63	-
28	1	28	-	-	-	-	-	-	-	-	-	-	1.05	0.98	0.97	1.23	1.02	0.99	1.17	1.11	1.04	0.98
30	1	30	1.93	1.40	0.91	4.51	3.19	1.87	3.76	2.94	2.06	1.08	2.00	1.48	0.99	4.57	3.25	1.95	3.82	3.01	2.13	1.16
39	2	8	-	-	-	1.10	0.76	-	0.89	0.67	-	-	0.53	-	-	1.14	0.81	0.54	0.93	0.72	0.50	-
40	2	9	0.70	0.52	-	1.61	1.08	0.50	1.31	1.00	0.68	-	0.74	0.56	-	1.64	1.12	0.57	1.34	1.03	0.71	-
41	2	10	-	-	-	0.54	-	-	-	-	-	-	-	-	-	0.60	-	-	0.50	-	-	-
43	2	12	-	-	-	0.50	-	-	-	-	-	-	-	-	-	0.75	0.58	-	0.65	0.55	-	-
44	2	13	0.89	0.66	-	2.11	1.45	0.86	1.72	1.32	0.90	-	1.09	0.86	0.66	2.28	1.64	1.05	1.90	1.51	1.09	0.66
45	2	14	-	-	-	0.72	-	-	0.58	-	-	-	0.65	0.56	-	1.01	0.78	0.60	0.87	0.74	0.60	-
53	2	22	-	-	-	0.65	-	-	0.52	-	-	-	0.72	0.72	0.72	0.80	0.72	0.72	0.72	0.72	0.72	0.72
54	2	23	-	-	-	0.52	-	-	-	-	-	-	-	-	-	0.61	-	-	0.51	-	-	-
56	2	25	-	-	-	0.55	-	-	-	-	-	-	-	-	-	0.65	-	-	0.55	-	-	-
57	2	26	-	-	-	0.60	-	-	-	-	-	-	-	-	-	0.70	0.52	-	0.59	-	-	-
58	2	27	-	-	-	-	-	-	-	-	-	-	-	-	-	0.65	-	-	0.56	-	-	-
61	3	2	-	-	-	1.03	0.67	-	0.83	0.63	-	-	0.96	0.82	0.70	1.50	1.15	0.83	1.31	1.12	0.92	0.72
62	3	3	-	-	-	1.00	0.65	-	0.81	0.61	-	-	0.66	0.57	-	1.18	0.84	0.61	0.99	0.80	0.64	-
63	3	4	0.54	-	-	1.00	0.69	-	0.81	0.61	-	-	0.80	0.67	0.56	1.25	0.94	0.69	1.06	0.87	0.67	0.51
74	3	15	-	-	-	-	-	-	-	-	-	-	0.54	0.53	0.53	0.60	0.55	0.54	0.56	0.55	0.54	0.53
75	3	16	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	-	-	-	-	-	-
76	3	17	-	-	-	0.74	0.53	-	0.60	-	-	-	-	-	-	0.82	0.61	-	0.68	0.53	-	-
77	3	18	-	-	-	0.67	-	-	0.54	-	-	-	-	-	-	0.71	0.50	-	0.59	-	-	-
78	3	19	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50	-	-	-	-	-	-
84	3	25	-	-	-	0.57	-	-	-	-	-	-	-	-	-	0.65	-	-	0.54	-	-	-
85	3	26	-	-	-	0.99	0.69	-	0.80	0.60	-	-	-	-	-	1.05	0.75	-	0.86	0.67	-	-
86	3	27	0.52	-	-	1.09	0.74	-	0.88	0.67	-	-	0.76	0.62	0.50	1.31	0.97	0.68	1.11	0.90	0.69	-
87	3	28	-	-	-	0.63	-	-	0.51	-	-	-	-	-	-	0.83	0.64	-	0.71	0.59	-	-
90	3	31	-	-	-	1.09	0.75	-	0.88	0.67	-	-	0.61	-	-	1.21	0.87	-	1.00	0.79	0.58	-
91	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-
92	4	2	-	-	-	0.68	-	-	0.55	-	-	-	-	-	-	0.75	0.54	-	0.62	-	-	-
108	4	18	1.04	0.75	0.52	2.42	1.63	0.96	1.98	1.52	1.04	0.53	1.07	0.79	0.56	2.45	1.66	1.00	2.01	1.55	1.07	0.57
109	4	19	1.46	1.07	0.72	3.40	2.36	1.39	2.81	2.17	1.50	0.78	1.50	1.10	0.76	3.43	2.39	1.43	2.84	2.21	1.54	0.82
116	4	26	-	-	-	-	-	-	-	-	-	-	-	-	-	0.59	-	-	0.51	-	-	-
119	4	29	-	-	-	0.56	-	-	-	-	-	-	-	-	-	0.67	-	-	0.57	-	-	-
132	5	12	-	-	-	0.89	0.67	-	0.72	0.54	-	-	0.61	0.53	-	1.11	0.89	0.52	0.94	0.77	0.60	-
198	7	17	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-
201	7	20	-	-	-	0.61	-	-	-	-	-	-	-	-	-	0.62	-	-	-	-	-	-
205	7	24	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-
254	9	11	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-
262	9	19	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-
263	9	20	-	-	-	0.61	-	-	-	-	-	-	-	-	-	0.73	0.52	-	0.61	-	-	-
265	9	22	-	-	-	1.09	0.77	-	0.88	0.67	-	-	0.54	-	-	1.16	0.84	0.54	0.95	0.74	0.52	-
266	9	23	-	-	-	0.51	-	-	-	-	-	-	-	-	-	0.67	-	-	0.57	-	-	-
268	9	25	-	-	-	0.55	-	-	-	-	-	-	-	-	-	0.60	-	-	-	-	-	-
269	9	26	-	-	-	0.54	-	-	-	-	-	-	-	-	-	0.55	-	-	-	-	-	-
274	10	1	0.77	0.55	-	1.87	1.26	0.75	1.52	1.16	0.79	-	1.03	0.82	0.64	2.10	1.50	1.01	1.76	1.41	1.05	0.67
275	10	2	-	-	-	0.61	-	-	-	-	-	-	-	-	-	0.69	0.50	-	0.57	-	-	-
279	10	6	-	-	-	0.77	0.56	-	0.62	-	-	-	-	-	-	0.83	0.62	-	0.68	0.53	-	-
280	10	7	-	-	-	0.80	0.54	-	0.64	-	-	-	0.56	-	-	0.96	0.70	0.53	0.80	0.65	0.50	-
281	10	8	-	-	-	-	-	-	-	-	-	-	0.53	-	-	0.70	0.57	-	0.61	0.54	-	-
282	10	9	0.72	0.59	-	1.54	1.15	0.76	1.25	0.95	0.64	-	0.77	0.64	0.51	1.59	1.20	0.81	1.30	1.00	0.70	-
291	10	18	-	-	-	0.50	-	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-
309	11	5	0.50	-	-	1.31	0.89	0.56	1.06	0.81	0.55	-	0.69	0.56	-	1.49	1.08	0.77	1.24	0.99	0.73	-
320	11	16	-	-	-	0.94	0.68	-	0.76	0.57	-	-	-	-	-	0.99	0.73	-	0.81	0.63	-	-
322	11	18	-	-	-	0.91	0.54	-	0.74	0.56	-	-	-	-	-	0.98	0.62	-	0.80	0.62	-	-
325	11	21	-	-	-	0.60	-	-	-	-	-	-	-	-	-	0.74	0.54	-	0.63	0.51	-	-
326	11	22	-	-	-	0.64	-	-	0.51	-	-	-	0.53	-	-	0.85	0.63	-	0.72	0.60	-	-
329	11	25	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-
342	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-
349	12	15	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	-	-	-	-
351	12	17	0.50	-	-	1.01	0.68	-	0.82	0.62	-	-	0.58	-	-	1.08	0.75	-	0.89	0.69	-	-
352	12	18	1.22	0.90	0.69	2.77	1.90	1.32	2.27	1.75	1.20	0.62	1.32	1.00	0.79	2.85	1.99	1.41	2.36	1.84	1.30	0.72
353	12	19	0.94	0.70	0.56	2.04	1.36	0.93	1.66	1.27	0.87	-	1.00	0.75	0.61	2.09	1.41	0.98	1.71	1.32	0.92	-
354	12	20	0.78	0.54	-	1.71	1.06	0.51	1.39	1.06	0.72	-	0.86	0.62	-	1.79	1.14	0.60	1.47	1.14	0.81	-
355	12	21	-	-	-	0.78	0.51	-	0.63	-	-	-	-	-	-	0.84	0.57	-	0.69	0.54	-	-
356	12	22	3.26	2.46	1.77	6.44	4.64	2.88	5.45	4.34	3.09	1.66	3.78	3.03	2.37	6.82	5.09	3.42	5.86	4.80	3.62	2.27
357	12	23	1.29	0.95	0.67	2.67	1.77	0.98	2.19	1.69	1.16	0.60	1.62	1.29	1.01	2.97	2.09	1.31	2.50	2.01	1.50	0.95
358	12	24	-	-	-	0.56	-	-	-	-	-	-	-	-	-	0.65	-	-	0.54	-	-	-
359	12	25	-	-	-	-	-	-	-	-	-	-	-	-	-	0.66	0.54	-	0.59	0.52	-	-
360	12	26	-	-	-	0.77	0.53	-	0.62	-	-	-	-	-	-	0.81	0.58	-	0.66	0.51	-	-
361	12	27	-	-	-	0.61	-	-	-	-	-	-	-	-	-	0.80	0.59	-	0.68	0.56	-	-
362	12	28	0.59	-	-	1.19	0.79	-	0.96	0.73	-	-	1.02	0.95	0.90	1.47	1.08	0.92	1.25	1.04	0.95	0.87
363	12	29	0.78	0.55	-	1.89	1.23	0.56	1.54	1.18	0.80	-	1.06	0.84	0.62	2.14	1.50	0.84	1.80	1.45	1.08	0.70
364	12	30	-	-	-	0.83	0.54	-	0.67	0.50	-	-	-	-	-	0.93	0.64	-	0.77	0.61	-	-
Number of Days Δ dv >= 0.5			26	18	10	70	46	21	52	39	20	9	44	34	24	90	63	40	73	58	41	21
Number of Days Δ dv >= 1.0			9	6	2	33	17	7	20	16	9	3	16	9	6	39	24	13	29	21	15	6
Maximum Δ dv			3.26	2.46	1.77	6.44	4.64	2.97	5.45	4.34	3.09	1.66	3.78	3.03	2.63	6.82	5.09	3.42	5.86	4.80	3.62	2.62

Table C.8.23 Fitzpatrick Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6	1	6	-	-	-	0.54	-	-	-	-	-	-	0.50	-	-	0.77	0.61	-	0.68	0.58	-	-
7	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	0.59	-	-	0.51	-	-	-
23	1	23	-	-	-	0.50	-	-	-	-	-	-	-	-	-	0.58	-	-	-	-	-	-
26	1	26	-	-	-	0.93	0.60	-	0.75	0.57	-	-	0.64	0.50	-	1.10	0.78	0.52	0.93	0.75	0.56	-
27	1	27	0.51	-	-	1.05	0.71	-	0.85	0.64	-	-	0.74	0.60	-	1.26	0.93	0.66	1.06	0.86	0.66	-
30	1	30	0.53	-	-	1.34	0.88	-	1.08	0.82	0.56	-	0.57	-	-	1.37	0.92	0.54	1.12	0.86	0.60	-
44	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63	-	-	0.54	-	-	-
45	2	14	-	-	-	-	-	-	-	-	-	-	0.61	0.56	0.52	0.78	0.66	0.57	0.71	0.63	0.56	-
83	3	24	-	-	-	0.69	-	-	0.56	-	-	-	-	-	-	0.79	0.58	-	0.66	0.52	-	-
356	12	22	-	-	-	-	-	-	-	-	-	-	-	-	-	0.74	0.56	-	0.65	0.56	-	-
Number of Days Δ dv >= 0.5			2	0	0	6	3	0	4	3	1	0	5	3	1	10	7	4	9	7	4	0
Number of Days Δ dv >= 1.0			0	0	0	2	0	0	1	0	0	0	0	0	0	3	0	0	2	0	0	0
Maximum Δ dv			0.53	0.00	0.00	1.34	0.88	0.00	1.08	0.82	0.56	0.00	0.74	0.60	0.52	1.37	0.93	0.66	1.12	0.86	0.66	0.00

Table C.8.24 Fitzpatrick Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6	1	6	-	-	-	0.62	-	-	-	-	-	-	0.58	0.51	-	0.89	0.70	0.54	0.78	0.67	0.56	-
7	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	0.68	0.53	-	0.59	0.50	-	-
23	1	23	-	-	-	0.58	-	-	-	-	-	-	-	-	-	0.67	-	-	0.56	-	-	-
26	1	26	0.53	-	-	1.08	0.69	-	0.87	0.66	-	-	0.74	0.58	-	1.27	0.90	0.60	1.07	0.86	0.65	-
27	1	27	0.59	-	-	1.21	0.82	-	0.98	0.74	0.50	-	0.85	0.69	0.56	1.45	1.07	0.76	1.22	1.00	0.76	0.52
30	1	30	0.61	-	-	1.54	1.01	0.58	1.25	0.95	0.64	-	0.65	-	-	1.58	1.06	0.62	1.29	0.99	0.69	-
44	2	13	-	-	-	0.55	-	-	-	-	-	-	-	-	-	0.73	0.55	-	0.63	0.52	-	-
45	2	14	-	-	-	-	-	-	-	-	-	-	0.70	0.65	0.60	0.90	0.77	0.66	0.82	0.74	0.65	0.57
83	3	24	-	-	-	0.80	0.55	-	0.65	-	-	-	0.52	-	-	0.92	0.67	-	0.76	0.61	-	-
282	10	9	-	-	-	0.50	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-
356	12	22	-	-	-	0.53	-	-	-	-	-	-	0.54	-	-	0.82	0.63	0.50	0.72	0.62	0.52	-
357	12	23	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	0.51	-	-	-
362	12	28	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	0.51	-	-	-
Number of Days Δ dv >= 0.5			3	0	0	9	4	1	4	3	2	0	7	4	2	13	9	6	12	9	6	2
Number of Days Δ dv >= 1.0			0	0	0	3	1	0	1	0	0	0	0	0	0	3	2	0	3	1	0	0
Maximum Δ dv			0.61	0.00	0.00	1.54	1.01	0.58	1.25	0.95	0.64	0.00	0.85	0.69	0.60	1.58	1.07	0.76	1.29	1.00	0.76	0.57

Table C.8.25 Grand Teton National Park - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.57	-	-	-	-	-	-
25	1	25	-	-	-	0.65	-	-	0.53	-	-	-	-	-	-	0.82	0.61	-	0.69	0.57	-	-
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-
Number of Days Δ dv >= 0.5			0	0	0	1	0	0	1	0	0	0	0	0	0	3	1	0	1	1	0	0
Number of Days Δ dv >= 1.0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Δ dv			0.00	0.00	0.00	0.65	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.61	0.00	0.69	0.57	0.00	0.00

Table C.8.26 Grand Teton National Park - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58	-	-	0.50	-	-	-
25	1	25	-	-	-	0.66	-	-	0.53	-	-	-	-	-	-	0.83	0.62	-	0.70	0.58	-	-
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	-	-	-	-
Number of Days Δ dv >= 0.5			0	0	0	1	0	0	1	0	0	0	0	0	0	3	1	0	2	1	0	0
Number of Days Δ dv >= 1.0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Δ dv			0.00	0.00	0.00	0.66	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.62	0.00	0.70	0.58	0.00	0.00

Table C.8.27 Popo Agie Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.61	0.50	-	0.55	-	-	-
3	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	0.70	0.56	-	0.61	0.53	-	-
7	1	7	0.51	-	-	1.18	0.78	-	0.96	0.73	-	-	0.79	0.66	0.55	1.45	1.06	0.76	1.23	1.01	0.78	0.54
18	1	18	-	-	-	0.65	-	-	0.52	-	-	-	-	-	-	0.80	0.56	-	0.68	0.55	-	-
23	1	23	-	-	-	0.64	-	-	0.52	-	-	-	-	-	-	0.80	0.58	-	0.68	0.55	-	-
24	1	24	-	-	-	0.69	-	-	0.56	-	-	-	0.62	0.55	-	1.01	0.76	0.61	0.88	0.75	0.61	-
28	1	28	-	-	-	-	-	-	-	-	-	-	-	-	-	0.55	-	-	0.50	-	-	-
30	1	30	-	-	-	0.67	-	-	0.54	-	-	-	-	-	-	0.71	-	-	0.58	-	-	-
43	2	12	-	-	-	0.51	-	-	-	-	-	-	-	-	-	0.74	0.57	-	0.64	0.54	-	-
44	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	0.57	-	-	0.51	-	-	-
45	2	14	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-
46	2	15	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-
61	3	2	-	-	-	0.79	0.52	-	0.63	-	-	-	0.83	0.73	0.65	1.22	0.97	0.77	1.08	0.94	0.79	0.64
62	3	3	-	-	-	0.63	-	-	0.51	-	-	-	0.59	0.51	-	0.91	0.71	0.54	0.80	0.67	0.55	-
86	3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	-	-	-	-
92	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	-	-	-	-	-	-
119	4	29	-	-	-	0.50	-	-	-	-	-	-	-	-	-	0.62	-	-	0.52	-	-	-
263	9	20	-	-	-	-	-	-	-	-	-	-	-	-	-	0.59	-	-	0.53	-	-	-
274	10	1	-	-	-	0.67	-	-	0.54	-	-	-	-	-	-	0.76	0.54	-	0.64	0.51	-	-
281	10	8	-	-	-	0.51	-	-	-	-	-	-	0.50	-	-	0.78	0.62	-	0.68	0.58	-	-
309	11	5	-	-	-	0.67	-	-	0.54	-	-	-	-	-	-	0.80	0.59	-	0.68	0.54	-	-
326	11	22	-	-	-	0.56	-	-	-	-	-	-	-	-	-	0.75	0.56	-	0.64	0.53	-	-
354	12	20	-	-	-	0.53	-	-	-	-	-	-	-	-	-	0.58	-	-	-	-	-	-
356	12	22	-	-	-	0.57	-	-	-	-	-	-	-	-	-	0.71	0.51	-	0.60	-	-	-
357	12	23	0.51	-	-	1.21	0.79	-	0.98	0.74	0.50	-	0.70	0.58	0.50	1.38	0.97	0.64	1.15	0.92	0.69	-
361	12	27	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-
362	12	28	-	-	-	-	-	-	-	-	-	-	0.57	0.51	-	0.80	0.65	0.54	0.71	0.62	0.53	-
363	12	29	-	-	-	0.75	-	-	0.61	-	-	-	0.57	-	-	0.98	0.72	0.51	0.83	0.69	0.54	-
Number of Days Δ dv >= 0.5			2	0	0	17	3	0	11	2	1	0	8	6	3	28	17	7	22	15	7	2
Number of Days Δ dv >= 1.0			0	0	0	2	0	0	0	0	0	0	0	0	0	4	1	0	3	1	0	0
Maximum Δ dv			0.51	0.00	0.00	1.21	0.79	0.00	0.98	0.74	0.50	0.00	0.83	0.73	0.65	1.45	1.06	0.77	1.23	1.01	0.79	0.64

Table C.8.28 Popo Agie Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2	1	2	-	-	-	-	-	-	-	-	-	-	0.51	-	-	0.70	0.58	-	0.63	0.56	-	-
3	1	3	-	-	-	0.51	-	-	-	-	-	-	-	-	-	0.81	0.65	0.51	0.71	0.61	0.51	-
7	1	7	0.59	-	-	1.36	0.90	0.55	1.11	0.84	0.57	-	0.92	0.76	0.64	1.67	1.22	0.88	1.42	1.16	0.90	0.63
18	1	18	-	-	-	0.75	-	-	0.60	-	-	-	-	-	-	0.93	0.65	-	0.78	0.64	-	-
23	1	23	-	-	-	0.74	-	-	0.60	-	-	-	0.53	-	-	0.92	0.67	-	0.78	0.64	-	-
24	1	24	-	-	-	0.80	-	-	0.64	-	-	-	0.72	0.64	0.57	1.16	0.88	0.70	1.01	0.86	0.71	0.57
27	1	27	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-
28	1	28	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63	0.51	-	0.58	0.53	-	-
30	1	30	-	-	-	0.77	-	-	0.62	-	-	-	-	-	-	0.82	0.54	-	0.67	0.52	-	-
43	2	12	-	-	-	0.59	-	-	-	-	-	-	0.56	-	-	0.86	0.67	0.51	0.74	0.63	0.52	-
44	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67	0.54	-	0.59	0.52	-	-
45	2	14	-	-	-	-	-	-	-	-	-	-	-	-	-	0.59	0.52	-	0.55	0.51	-	-
46	2	15	-	-	-	-	-	-	-	-	-	-	0.52	-	-	0.61	0.55	0.51	0.58	0.54	0.51	-
60	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	0.50	-	-	-
61	3	2	-	-	-	0.91	0.60	-	0.74	0.56	-	-	0.97	0.85	0.76	1.41	1.12	0.90	1.25	1.08	0.92	0.75
62	3	3	-	-	-	0.73	-	-	0.59	-	-	-	0.69	0.59	0.51	1.06	0.83	0.63	0.92	0.78	0.64	0.50
86	3	27	-	-	-	0.51	-	-	-	-	-	-	-	-	-	0.62	-	-	0.52	-	-	-
92	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50	-	-	-	-	-	-
119	4	29	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	-	-	-	-	-	-
274	10	1	-	-	-	0.55	-	-	-	-	-	-	-	-	-	0.63	-	-	0.52	-	-	-
281	10	8	-	-	-	0.58	-	-	-	-	-	-	0.57	0.51	-	0.88	0.70	0.56	0.77	0.66	0.55	-
305	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	-	-	-	-
309	11	5	-	-	-	0.75	0.50	-	0.60	-	-	-	-	-	-	0.89	0.65	-	0.75	0.61	-	-
322	11	18	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-
326	11	22	-	-	-	0.63	-	-	0.51	-	-	-	0.51	-	-	0.83	0.62	-	0.71	0.59	-	-
354	12	20	-	-	-	0.60	-	-	-	-	-	-	-	-	-	0.64	-	-	0.53	-	-	-
356	12	22	-	-	-	0.64	-	-	0.51	-	-	-	-	-	-	0.79	0.57	-	0.67	0.55	-	-
357	12	23	0.57	-	-	1.34	0.88	0.50	1.09	0.83	0.56	-	0.78	0.65	0.56	1.53	1.08	0.71	1.28	1.03	0.77	-
361	12	27	-	-	-	-	-	-	-	-	-	-	-	-	-	0.57	-	-	0.50	-	-	-
362	12	28	-	-	-	0.52	-	-	-	-	-	-	0.64	0.57	0.52	0.90	0.73	0.60	0.80	0.70	0.60	-
363	12	29	-	-	-	0.84	0.55	-	0.68	0.51	-	-	0.64	0.53	-	1.09	0.81	0.57	0.93	0.77	0.61	-
Number of Days Δ dv >= 0.5			2	0	0	19	5	2	12	4	2	0	13	8	6	31	21	11	26	21	11	4
Number of Days Δ dv >= 1.0			0	0	0	2	0	0	2	0	0	0	0	0	0	6	3	0	4	3	0	0
Maximum Δ dv			0.59	0.00	0.00	1.36	0.90	0.55	1.11	0.84	0.57	0.00	0.97	0.85	0.76	1.67	1.22	0.90	1.42	1.16	0.92	0.75

Table C.8.29 Washakie Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
27	1	27	-	-	-	-	-	-	-	-	-	-	-	-	-	0.57	-	-	-	-	-	-
Number of Days Δ dv >= 0.5			0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Number of Days Δ dv >= 1.0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Δ dv			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00

Table C.8.30 Washakie Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
27	1	27	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58	-	-	-	-	-	-
Number of Days Δ dv >= 0.5			0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Number of Days Δ dv >= 1.0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Δ dv			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00

Table C.8.31 Wind River Roadless Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-
7	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67	0.52	-	0.58	-	-	-
16	1	16	-	-	-	-	-	-	-	-	-	-	-	-	-	0.61	0.55	-	0.56	0.52	-	-
23	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-
24	1	24	-	-	-	-	-	-	-	-	-	-	-	-	-	0.61	-	-	0.52	-	-	-
26	1	26	-	-	-	0.54	-	-	-	-	-	-	-	-	-	0.67	0.51	-	0.57	-	-	-
27	1	27	-	-	-	0.65	-	-	0.52	-	-	-	0.54	-	-	0.87	0.66	-	0.75	0.62	-	-
30	1	30	-	-	-	1.06	0.69	-	0.85	0.65	-	-	-	-	-	1.10	0.73	-	0.89	0.69	-	-
44	2	13	-	-	-	0.54	-	-	-	-	-	-	-	-	-	0.75	0.57	-	0.65	0.55	-	-
45	2	14	-	-	-	0.63	-	-	0.50	-	-	-	0.96	0.88	0.80	1.23	1.04	0.88	1.11	1.00	0.88	0.76
61	3	2	-	-	-	-	-	-	-	-	-	-	0.62	0.56	0.51	0.88	0.72	0.59	0.79	0.70	0.61	0.51
62	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	0.69	0.54	-	0.60	0.50	-	-
74	3	15	-	-	-	-	-	-	-	-	-	-	0.61	0.58	0.57	0.69	0.60	0.57	0.66	0.63	0.60	0.57
83	3	24	-	-	-	0.50	-	-	-	-	-	-	-	-	-	0.59	-	-	-	-	-	-
263	9	20	-	-	-	-	-	-	-	-	-	-	-	-	-	0.59	-	-	0.53	-	-	-
274	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.57	-	-	-	-	-	-
280	10	7	-	-	-	0.53	-	-	-	-	-	-	-	-	-	0.64	-	-	0.54	-	-	-
281	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	0.74	0.59	-	0.65	0.56	-	-
351	12	17	-	-	-	0.70	0.54	-	0.56	-	-	-	-	-	-	0.75	0.59	-	0.62	-	-	-
356	12	22	-	-	-	-	-	-	-	-	-	-	-	-	-	0.66	0.50	-	0.57	-	-	-
357	12	23	-	-	-	0.63	-	-	0.51	-	-	-	0.58	0.51	-	0.84	0.66	0.52	0.72	0.60	-	-
362	12	28	-	-	-	0.73	-	-	0.59	-	-	-	1.07	0.97	0.89	1.39	1.15	0.95	1.26	1.13	1.00	0.86
Number of Days Δ dv >= 0.5			0	0	0	10	2	0	6	1	0	0	6	5	4	22	15	5	18	11	4	4
Number of Days Δ dv >= 1.0			0	0	0	1	0	0	0	0	0	0	1	0	0	3	2	0	2	2	1	0
Maximum Δ dv			0.00	0.00	0.00	1.06	0.69	0.00	0.85	0.65	0.00	0.00	1.07	0.97	0.89	1.39	1.15	0.95	1.26	1.13	1.00	0.86

Table C.8.32 Wind River Roadless Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	0.61	-	-	0.53	-	-	-
7	1	7	-	-	-	0.52	-	-	-	-	-	-	-	-	-	0.77	0.61	-	0.68	0.57	-	-
16	1	16	-	-	-	-	-	-	-	-	-	-	0.57	0.54	0.51	0.71	0.63	0.57	0.65	0.60	0.54	-
23	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	0.61	-	-	0.51	-	-	-
24	1	24	-	-	-	0.54	-	-	-	-	-	-	-	-	-	0.71	-	-	0.60	-	-	-
26	1	26	-	-	-	0.62	-	-	0.50	-	-	-	-	-	-	0.77	0.59	-	0.66	0.54	-	-
27	1	27	-	-	-	0.75	-	-	0.60	-	-	-	0.63	0.53	-	1.00	0.76	0.58	0.86	0.72	0.57	-
30	1	30	-	-	-	1.22	0.80	-	0.98	0.75	0.50	-	0.54	-	-	1.26	0.84	0.52	1.03	0.79	0.55	-
44	2	13	-	-	-	0.62	-	-	0.50	-	-	-	0.54	-	-	0.88	0.67	0.51	0.76	0.64	0.51	-
45	2	14	-	-	-	0.73	-	-	0.59	-	-	-	1.12	1.01	0.92	1.42	1.20	1.02	1.29	1.15	1.02	0.88
61	3	2	-	-	-	0.57	-	-	-	-	-	-	0.72	0.65	0.59	1.02	0.84	0.68	0.92	0.81	0.70	0.59
62	3	3	-	-	-	0.56	-	-	-	-	-	-	0.51	-	-	0.80	0.62	-	0.69	0.58	-	-
74	3	15	-	-	-	-	-	-	-	-	-	-	0.70	0.67	0.66	0.80	0.69	0.66	0.77	0.73	0.70	0.67
83	3	24	-	-	-	0.59	-	-	-	-	-	-	-	-	-	0.69	0.51	-	0.57	-	-	-
280	10	7	-	-	-	0.60	-	-	-	-	-	-	-	-	-	0.72	0.53	-	0.61	-	-	-
281	10	8	-	-	-	0.54	-	-	-	-	-	-	0.55	-	-	0.83	0.67	0.54	0.73	0.63	0.52	-
309	11	5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-
325	11	21	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-
351	12	17	-	-	-	0.78	0.60	-	0.63	-	-	-	-	-	-	0.84	0.66	-	0.69	0.54	-	-
356	12	22	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73	0.56	-	0.64	0.54	-	-
357	12	23	-	-	-	0.70	-	-	0.57	-	-	-	0.65	0.57	0.52	0.94	0.74	0.58	0.81	0.68	0.55	-
362	12	28	-	-	-	0.82	0.53	-	0.66	-	-	-	1.19	1.08	0.99	1.54	1.28	1.06	1.40	1.26	1.11	0.96
Number of Days Δ dv >= 0.5			0	0	0	15	3	0	8	1	1	0	11	7	6	22	17	10	20	15	10	4
Number of Days Δ dv >= 1.0			0	0	0	1	0	0	0	0	0	0	2	2	0	5	2	2	3	2	2	0
Maximum Δ dv			0.00	0.00	0.00	1.22	0.80	0.00	0.98	0.75	0.50	0.00	1.19	1.08	0.99	1.54	1.28	1.06	1.40	1.26	1.11	0.96

Table C.9.1 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from
Preferred Alternative Low Emissions WDR250

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	1.64	2	1.89	4
Big Sandy	2.64	17	2.92	21
Boulder	2.01	7	2.30	10
Bronx	1.40	1	1.60	1
Cora	2.66	1	3.03	1
Daniel	2.12	1	2.42	1
Farson	1.93	5	2.21	5
Labarge	1.10	2	1.27	2
Merna	0.65	0	0.75	0
Pinedale	3.60	2	4.07	3

[1] Δdv = change in deciview.

Table C.9.2 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from
Preferred Alternative Low Emissions WDR150

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	1.21	1	1.40	2
Big Sandy	1.97	8	2.18	13
Boulder	1.46	3	1.67	4
Bronx	1.01	1	1.16	1
Cora	1.95	1	2.23	1
Daniel	1.54	1	1.77	1
Farson	1.36	3	1.57	5
Labarge	0.78	0	0.90	0
Merna	0.48	0	0.55	0
Pinedale	2.69	1	3.07	2

[1] Δdv = change in deciview.

Table C.9.3 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from
Preferred Alternative Low Emissions WDR075

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	0.85	0	0.98	0
Big Sandy	1.43	2	1.58	3
Boulder	0.98	0	1.12	2
Bronx	0.66	0	0.76	0
Cora	1.28	1	1.47	1
Daniel	1.01	1	1.17	1
Farson	0.92	0	1.06	2
Labarge	0.51	0	0.59	0
Merna	0.32	0	0.37	0
Pinedale	1.83	1	2.09	1

[1] Δdv = change in deciview.

Table C.9.4 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Preferred Alternative High Emissions WDR250

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	3.45	21	3.93	18
Big Sandy	5.28	56	5.76	62
Boulder	4.06	33	4.58	30
Bronx	3.37	7	3.82	9
Cora	6.00	11	6.70	14
Daniel	4.89	16	5.50	15
Farson	4.33	10	4.88	13
Labarge	2.27	6	2.59	5
Merna	1.43	4	1.64	5
Pinedale	7.66	18	8.48	21

[1] Δdv = change in deciview.

Table C.9.5 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from
Preferred Alternative High Emissions WDR150

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	(Δdv)[1]	(days)	(Δdv)[1]	(days)
Big Piney	2.36	11	2.71	13
Big Sandy	3.76	29	4.13	33
Boulder	2.84	21	3.23	21
Bronx	2.34	1	2.67	1
Cora	4.32	3	4.87	5
Daniel	3.46	3	3.92	5
Farson	2.96	8	3.37	8
Labarge	1.52	2	1.74	4
Merna	0.98	0	1.13	2
Pinedale	5.67	7	6.34	8

[1] Δdv = change in deciview.

Table C.9.6 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from
Preferred Alternative High Emissions WDR075

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	1.35	2	1.56	2
Big Sandy	2.49	16	2.75	20
Boulder	1.75	7	2.01	7
Bronx	1.35	1	1.56	1
Cora	2.58	1	2.94	1
Daniel	2.04	1	2.33	1
Farson	1.87	4	2.14	5
Labarge	0.88	0	1.02	1
Merna	0.57	0	0.66	0
Pinedale	3.52	1	3.98	2

[1] Δdv = change in deciview.

Table C.9.7 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from
Preferred Alternative Mitigation 20% Emissions Reduction WDR250

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	(Δdv)[1]	(days)	(Δdv)[1]	(days)
Big Piney	2.85	16	3.25	16
Big Sandy	4.42	38	4.84	45
Boulder	3.37	25	3.82	26
Bronx	2.78	1	3.16	2
Cora	5.06	6	5.68	9
Daniel	4.09	9	4.61	13
Farson	3.60	8	4.08	10
Labarge	1.85	5	2.12	4
Merna	1.16	2	1.34	3
Pinedale	6.53	14	7.27	16

[1] Δdv = change in deciview.

Table C.9.8 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from
Preferred Alternative Mitigation 40% Emissions Reduction WDR250

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	2.21	8	2.53	12
Big Sandy	3.48	28	3.83	27
Boulder	2.63	17	2.99	21
Bronx	2.15	1	2.46	1
Cora	4.01	1	4.53	3
Daniel	3.21	2	3.64	4
Farson	2.82	7	3.20	8
Labarge	1.42	2	1.63	3
Merna	0.88	0	1.02	1
Pinedale	5.25	5	5.89	6

[1] Δdv = change in deciview.

Table C.9.9 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from
Preferred Alternative Mitigation 60% Emissions Reduction WDR250

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	1.53	2	1.76	2
Big Sandy	2.45	17	2.71	19
Boulder	1.83	8	2.09	9
Bronx	1.48	1	1.70	1
Cora	2.85	1	3.24	1
Daniel	2.25	1	2.57	1
Farson	1.96	5	2.25	5
Labarge	0.97	0	1.12	2
Merna	0.60	0	0.69	0
Pinedale	3.79	2	4.28	3

[1] Δdv = change in deciview.

Table C.9.10 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from
Preferred Alternative Mitigation 80% Emissions Reduction WDR250

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	0.79	0	0.92	0
Big Sandy	1.30	1	1.45	4
Boulder	0.95	0	1.10	2
Bronx	0.77	0	0.89	0
Cora	1.52	1	1.75	1
Daniel	1.19	1	1.37	1
Farson	1.03	1	1.19	1
Labarge	0.50	0	0.57	0
Merna	0.30	0	0.35	0
Pinedale	2.07	1	2.37	1

[1] Δdv = change in deciview.

Table C.9.11 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Preferred Alternative Low Emissions WDR250 and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	(Δdv)[1]	(days)	(Δdv)[1]	(days)
Big Piney	2.25	16	2.57	19
Big Sandy	3.16	31	3.48	32
Boulder	3.17	18	3.60	20
Bronx	1.46	1	1.68	1
Cora	2.75	6	3.13	7
Daniel	2.20	6	2.52	11
Farson	2.42	11	2.68	11
Labarge	2.50	9	2.85	11
Merna	0.99	0	1.11	4
Pinedale	3.70	8	4.18	8

[1] Δdv = change in deciview.

Table C.9.12 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Preferred Alternative Low Emissions WDR150 and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	(Δdv)[1]	(days)	(Δdv)[1]	(days)
Big Piney	2.09	13	2.39	15
Big Sandy	2.51	17	2.78	23
Boulder	2.88	11	3.27	11
Bronx	1.08	1	1.24	1
Cora	2.04	2	2.34	5
Daniel	1.63	1	1.87	6
Farson	1.94	10	2.22	10
Labarge	2.24	6	2.56	9
Merna	0.96	0	1.07	1
Pinedale	2.80	8	3.19	8

[1] Δdv = change in deciview.

Table C.9.13 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from
Preferred Alternative Low Emissions WDR075 and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	2.04	9	2.33	13
Big Sandy	2.00	10	2.22	13
Boulder	2.78	7	3.16	9
Bronx	0.73	0	0.84	0
Cora	1.38	1	1.58	3
Daniel	1.11	1	1.27	1
Farson	1.71	10	1.96	10
Labarge	2.02	6	2.31	6
Merna	0.94	0	1.04	1
Pinedale	1.94	5	2.23	7

[1] Δdv = change in deciview.

Table C.9.14 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from
Preferred Alternative High Emissions WDR250 and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	3.81	34	4.32	36
Big Sandy	5.67	64	6.18	74
Boulder	4.97	39	5.58	40
Bronx	3.42	12	3.88	15
Cora	6.07	16	6.77	17
Daniel	4.95	21	5.56	23
Farson	4.49	19	5.05	21
Labarge	3.51	15	3.97	16
Merna	1.68	9	1.93	10
Pinedale	7.73	23	8.56	27

[1] Δdv = change in deciview.

Table C.9.15 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Preferred Alternative High Emissions WDR150 and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	2.76	24	3.16	25
Big Sandy	4.22	43	4.63	50
Boulder	3.87	28	4.38	26
Bronx	2.40	2	2.73	5
Cora	4.40	12	4.96	13
Daniel	3.54	14	4.00	16
Farson	3.14	12	3.56	15
Labarge	2.86	11	3.25	14
Merna	1.26	5	1.45	6
Pinedale	5.75	16	6.43	18

[1] Δdv = change in deciview.

Table C.9.16 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Preferred Alternative High Emissions WDR075 and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	2.11	13	2.41	18
Big Sandy	3.01	25	3.32	29
Boulder	2.87	14	3.27	15
Bronx	1.42	1	1.63	1
Cora	2.67	2	3.04	7
Daniel	2.13	3	2.43	7
Farson	2.09	10	2.39	11
Labarge	2.33	6	2.66	9
Merna	0.97	0	1.08	1
Pinedale	3.62	8	4.09	8

[1] Δdv = change in deciview.

Table C.9.17 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Preferred Alternative Mitigation 20% Emissions Reduction WDR250 and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv (days)
Big Piney	3.23	28	3.68	30
Big Sandy	4.85	53	5.30	59
Boulder	4.36	34	4.91	32
Bronx	2.83	6	3.22	12
Cora	5.13	13	5.75	16
Daniel	4.15	16	4.69	19
Farson	3.77	15	4.26	19
Labarge	3.14	14	3.57	14
Merna	1.42	6	1.64	9
Pinedale	6.60	19	7.35	21

[1] Δdv = change in deciview.

Table C.9.18 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Preferred Alternative Mitigation 40% Emissions Reduction WDR250 and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	2.61	21	2.99	24
Big Sandy	3.96	35	4.34	40
Boulder	3.71	25	4.20	22
Bronx	2.21	1	2.53	5
Cora	4.09	7	4.62	12
Daniel	3.29	14	3.73	16
Farson	2.99	12	3.40	14
Labarge	2.77	11	3.15	12
Merna	1.16	4	1.35	6
Pinedale	5.34	14	5.98	15

[1] Δdv = change in deciview.

Table C.9.19 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Preferred Alternative Mitigation 60% Emissions Reduction WDR250 and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	2.20	14	2.51	17
Big Sandy	2.97	27	3.28	30
Boulder	3.02	16	3.43	17
Bronx	1.55	1	1.78	1
Cora	2.93	6	3.33	7
Daniel	2.33	3	2.66	9
Farson	2.16	10	2.46	11
Labarge	2.40	7	2.74	9
Merna	0.97	0	1.08	2
Pinedale	3.89	8	4.39	9

[1] Δdv = change in deciview.

Table C.9.20 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Preferred Alternative Mitigation 80% Emissions Reduction WDR250 and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 1.0 Δdv
	$(\Delta dv)^1$	(days)	$(\Delta dv)^1$	(days)
Big Piney	1.99	8	2.28	13
Big Sandy	1.88	9	2.13	12
Boulder	2.72	6	3.09	9
Bronx	0.84	0	0.97	0
Cora	1.62	1	1.86	2
Daniel	1.28	1	1.47	2
Farson	1.63	8	1.87	10
Labarge	2.02	6	2.30	6
Merna	0.93	0	1.03	1
Pinedale	2.19	5	2.50	6

[1] Δdv = change in deciview.

Table C.9.21 Big Piney - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6	1	6	-	-	-	1.97	1.33	-	1.61	1.23	-	-	1.40	1.16	-	2.38	1.77	1.21	2.03	1.67	1.29	-
7	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.16	-	-	1.01	-	-	-
20	1	20	-	-	-	-	-	-	-	-	-	-	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
21	1	21	-	-	-	1.58	1.06	-	1.28	-	-	-	1.33	1.14	-	2.09	1.63	1.22	1.83	1.55	1.27	-
22	1	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	-	-	-	-
23	1	23	-	-	-	2.01	1.29	-	1.64	1.25	-	-	2.25	2.00	1.82	3.20	2.58	2.11	2.88	2.55	2.20	1.84
24	1	24	-	-	-	-	-	-	-	-	-	-	2.16	2.09	2.04	2.32	2.18	2.09	2.24	2.16	2.08	1.99
28	1	28	-	-	-	-	-	-	-	-	-	-	1.14	1.12	1.10	1.20	1.15	1.12	1.17	1.15	1.12	1.09
39	2	8	-	-	-	1.32	-	-	1.07	-	-	-	-	-	-	1.40	-	-	1.15	-	-	-
40	2	9	-	-	-	1.72	1.13	-	1.40	1.07	-	-	1.11	-	-	1.98	1.40	-	1.66	1.34	1.01	-
44	2	13	-	-	-	1.89	1.24	-	1.54	1.18	-	-	1.40	1.20	1.03	2.37	1.76	1.30	2.03	1.70	1.37	1.02
45	2	14	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	-	-	1.04	-	-	-
61	3	2	1.64	1.21	-	3.45	2.36	1.35	2.85	2.21	1.53	-	2.07	1.67	1.33	3.81	2.76	1.81	3.23	2.61	1.96	1.29
62	3	3	1.32	-	-	2.64	1.73	1.21	2.17	1.67	1.14	-	1.47	1.08	-	2.78	1.88	1.37	2.31	1.82	1.30	-
87	3	28	-	-	-	1.49	1.01	-	1.21	-	-	-	-	-	-	1.76	1.29	-	1.48	1.20	-	-
88	3	29	-	-	-	1.48	1.02	-	1.20	-	-	-	-	-	-	1.53	1.08	-	1.25	-	-	-
109	4	19	-	-	-	-	-	-	-	-	-	-	-	-	-	1.34	1.01	-	1.17	1.00	-	-
118	4	28	-	-	-	1.05	-	-	-	-	-	-	-	-	-	1.25	-	-	1.06	-	-	-
124	5	4	-	-	-	1.45	-	-	1.18	-	-	-	1.11	-	-	1.79	1.28	-	1.53	1.26	-	-
147	5	27	-	-	-	1.04	-	-	-	-	-	-	-	-	-	1.17	-	-	-	-	-	-
213	8	1	-	-	-	1.05	-	-	-	-	-	-	-	-	-	1.19	-	-	-	-	-	-
216	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1.14	-	-	-	-	-	-
217	8	5	-	-	-	1.40	-	-	1.14	-	-	-	-	-	-	1.61	1.14	-	1.35	1.08	-	-
252	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	-	-
264	9	21	-	-	-	1.00	-	-	-	-	-	-	-	-	-	1.35	1.04	-	1.16	-	-	-
351	12	17	-	-	-	1.68	1.26	-	1.37	1.04	-	-	-	-	-	1.79	1.38	-	1.48	1.16	-	-
352	12	18	-	-	-	1.40	-	-	1.14	-	-	-	-	-	-	1.48	1.00	-	1.22	-	-	-
353	12	19	-	-	-	1.52	-	-	1.23	-	-	-	-	-	-	1.68	1.13	-	1.40	1.11	-	-
354	12	20	-	-	-	-	-	-	-	-	-	-	1.15	1.04	-	1.48	1.19	1.02	1.36	1.23	1.10	-
355	12	21	-	-	-	1.12	-	-	-	-	-	-	1.01	-	-	1.62	1.22	-	1.41	1.21	-	-
356	12	22	-	-	-	1.71	1.14	-	1.39	1.06	-	-	1.71	1.50	1.32	2.55	2.03	1.58	2.26	1.96	1.64	1.32
357	12	23	-	-	-	-	-	-	-	-	-	-	1.22	1.11	1.03	1.37	1.20	1.08	1.25	1.14	1.03	-
358	12	24	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	-	-	-	-
361	12	27	-	-	-	-	-	-	-	-	-	-	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Number of Days Δ dv >= 1.0			2	1	0	21	11	2	16	8	2	0	16	13	9	34	24	13	28	21	14	8
Maximum Δ dv			1.64	1.21	0.00	3.45	2.36	1.35	2.85	2.21	1.53	0.00	2.25	2.09	2.04	3.81	2.76	2.11	3.23	2.61	2.20	1.99

Table C.9.22 Big Piney - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
3	1	3	-	-	-	-	-	-	-	-	-	-	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
6	1	6	1.09	-	-	2.26	1.53	-	1.84	1.41	-	-	1.61	1.33	1.09	2.72	2.03	1.39	2.33	1.91	1.49	1.04
7	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.34	1.05	-	1.17	-	-	-
20	1	20	-	-	-	-	-	-	-	-	-	-	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
21	1	21	-	-	-	1.81	1.22	-	1.47	1.12	-	-	1.52	1.32	1.14	2.39	1.87	1.41	2.09	1.78	1.47	1.13
22	1	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.21	-	-	1.05	-	-	-
23	1	23	1.04	-	-	2.30	1.48	-	1.88	1.44	-	-	2.57	2.29	2.08	3.64	2.94	2.41	3.28	2.90	2.51	2.11
24	1	24	-	-	-	-	-	-	-	-	-	-	2.47	2.39	2.33	2.65	2.49	2.39	2.56	2.47	2.37	2.28
28	1	28	-	-	-	-	-	-	-	-	-	-	1.31	1.29	1.27	1.38	1.33	1.29	1.35	1.32	1.29	1.26
39	2	8	-	-	-	1.53	-	-	1.24	-	-	-	-	-	-	1.62	1.09	-	1.33	1.04	-	-
40	2	9	-	-	-	1.98	1.30	-	1.62	1.24	-	-	1.28	1.01	-	2.27	1.61	1.11	1.92	1.55	1.16	-
43	2	12	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	-	-	-	-	-
44	2	13	-	-	-	2.17	1.44	-	1.77	1.36	-	-	1.62	1.38	1.20	2.71	2.03	1.50	2.34	1.96	1.58	1.18
45	2	14	-	-	-	1.08	-	-	-	-	-	-	-	-	-	1.41	1.06	-	1.21	1.00	-	-
61	3	2	1.88	1.40	-	3.92	2.71	1.56	3.25	2.53	1.76	-	2.37	1.92	1.54	4.32	3.15	2.08	3.68	2.99	2.25	1.49
62	3	3	1.52	1.06	-	3.02	1.99	1.39	2.49	1.92	1.32	-	1.70	1.25	-	3.18	2.16	1.58	2.65	2.09	1.50	-
87	3	28	-	-	-	1.72	1.17	-	1.39	1.06	-	-	1.11	-	-	2.02	1.49	1.02	1.71	1.39	1.06	-
88	3	29	-	-	-	1.70	1.18	-	1.38	1.06	-	-	-	-	-	1.76	1.25	-	1.45	1.12	-	-
89	3	30	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	-	-	-	-
109	4	19	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	-	-	1.06	-	-	-
118	4	28	-	-	-	-	-	-	-	-	-	-	-	-	-	1.14	-	-	-	-	-	-
124	5	4	-	-	-	1.32	-	-	1.07	-	-	-	1.01	-	-	1.63	1.17	-	1.39	1.14	-	-
147	5	27	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	-
217	8	5	-	-	-	1.18	-	-	-	-	-	-	-	-	-	1.35	-	-	1.13	-	-	-
264	9	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12	-	-	-	-	-	-
325	11	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	-	-	-	-
351	12	17	-	-	-	1.87	1.40	-	1.52	1.16	-	-	1.06	-	-	1.99	1.53	1.01	1.65	1.29	-	-
352	12	18	-	-	-	1.56	1.03	-	1.27	-	-	-	-	-	-	1.65	1.12	-	1.36	1.06	-	-
353	12	19	-	-	-	1.69	1.08	-	1.37	1.05	-	-	-	-	-	1.86	1.26	-	1.55	1.23	-	-
354	12	20	-	-	-	-	-	-	-	-	-	-	1.27	1.15	1.08	1.65	1.33	1.13	1.51	1.37	1.22	1.08
355	12	21	-	-	-	1.24	-	-	1.00	-	-	-	1.12	-	-	1.79	1.36	1.07	1.57	1.34	1.11	-
356	12	22	-	-	-	1.90	1.27	-	1.55	1.18	-	-	1.90	1.66	1.46	2.82	2.25	1.76	2.50	2.17	1.82	1.47
357	12	23	-	-	-	-	-	-	-	-	-	-	1.35	1.24	1.14	1.52	1.34	1.20	1.39	1.27	1.14	1.02
358	12	24	-	-	-	-	-	-	-	-	-	-	-	-	-	1.17	-	-	1.03	-	-	-
360	12	26	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	1.02	-	-	-
361	12	27	-	-	-	-	-	-	-	-	-	-	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
Number of Days Δ dv >= 1.0			4	2	0	18	13	2	16	12	2	0	19	15	13	36	25	18	30	24	17	13
Maximum Δ dv			1.88	1.40	0.00	3.92	2.71	1.56	3.25	2.53	1.76	0.00	2.57	2.39	2.33	4.32	3.15	2.41	3.68	2.99	2.51	2.28

Table C.9.23 Big Sandy - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2	1	2	-	-	-	1.27	-	-	1.03	-	-	-	1.23	1.10	-	1.84	1.49	1.12	1.62	1.38	1.14	-
3	1	3	-	-	-	1.09	-	-	-	-	-	-	1.01	-	-	1.55	1.24	-	1.35	1.14	-	-
4	1	4	-	-	-	1.94	1.43	1.07	1.58	1.21	-	-	1.14	-	-	2.17	1.68	1.33	1.82	1.46	1.09	-
6	1	6	-	-	-	2.00	1.41	1.10	1.63	1.25	-	-	1.02	-	-	2.13	1.56	1.25	1.77	1.39	1.00	-
7	1	7	1.54	1.15	-	3.30	2.29	1.40	2.72	2.11	1.46	-	2.14	1.77	1.46	3.81	2.85	1.99	3.26	2.68	2.06	1.40
17	1	17	-	-	-	1.62	1.09	-	1.32	1.01	-	-	1.03	-	-	1.91	1.39	-	1.61	1.31	-	-
20	1	20	-	-	-	1.09	-	-	-	-	-	-	1.15	-	-	1.56	1.27	1.15	1.36	1.16	-	-
22	1	22	1.20	-	-	2.60	1.96	1.27	2.13	1.64	1.12	-	1.30	1.07	-	2.69	2.06	1.37	2.22	1.74	1.22	-
23	1	23	1.85	1.31	-	4.08	2.74	1.32	3.38	2.64	1.83	-	2.28	1.76	1.26	4.42	3.13	1.75	3.76	3.04	2.27	1.43
24	1	24	1.41	1.02	-	3.14	2.22	1.53	2.59	2.00	1.38	-	2.19	1.86	1.55	3.82	2.98	2.28	3.31	2.76	2.19	1.58
28	1	28	1.38	-	-	3.12	1.87	1.12	2.57	1.99	1.37	-	2.45	2.05	1.81	4.04	2.90	2.22	3.54	3.01	2.45	1.86
30	1	30	1.10	-	-	2.46	1.62	-	2.01	1.55	1.06	-	1.45	1.15	-	2.76	1.95	1.31	2.33	1.88	1.41	-
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	-	-	-	-	-
40	2	9	-	-	-	1.32	-	-	1.07	-	-	-	-	-	-	1.35	-	-	1.10	-	-	-
41	2	10	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-
44	2	13	1.07	-	-	2.50	1.70	-	2.05	1.57	1.08	-	1.26	-	-	2.67	1.88	1.18	2.23	1.76	1.27	-
53	2	22	-	-	-	1.37	-	-	1.11	-	-	-	-	-	-	1.57	1.11	-	1.32	1.06	-	-
54	2	23	-	-	-	1.13	-	-	-	-	-	-	-	-	-	1.36	1.01	-	1.15	-	-	-
55	2	24	-	-	-	1.08	-	-	-	-	-	-	-	-	-	1.17	-	-	-	-	-	-
56	2	25	-	-	-	1.00	-	-	-	-	-	-	-	-	-	1.22	1.02	-	1.03	-	-	-
57	2	26	-	-	-	1.01	-	-	-	-	-	-	-	-	-	1.17	-	-	-	-	-	-
60	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.26	-	-	1.08	-	-	-
61	3	2	-	-	-	1.04	-	-	-	-	-	-	-	-	-	1.37	1.03	-	1.18	-	-	-
63	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	-	-
85	3	26	-	-	-	1.06	-	-	-	-	-	-	-	-	-	1.18	-	-	-	-	-	-
86	3	27	-	-	-	2.08	1.44	-	1.70	1.30	-	-	1.24	1.01	-	2.35	1.73	1.07	1.98	1.59	1.19	-
90	3	31	1.74	1.30	-	3.89	2.71	1.53	3.23	2.51	1.74	-	1.89	1.45	1.05	4.01	2.85	1.68	3.35	2.65	1.89	1.07
91	4	1	-	-	-	1.05	-	-	-	-	-	-	-	-	-	1.23	-	-	1.03	-	-	-
92	4	2	-	-	-	1.94	1.37	-	1.58	1.21	-	-	1.06	-	-	2.11	1.54	-	1.75	1.38	1.00	-
93	4	3	-	-	-	1.41	-	-	1.15	-	-	-	-	-	-	1.62	1.12	-	1.36	1.09	-	-
115	4	25	-	-	-	1.24	-	-	1.01	-	-	-	-	-	-	1.36	1.03	-	1.12	-	-	-
116	4	26	-	-	-	1.68	1.11	-	1.37	1.04	-	-	1.01	-	-	1.95	1.39	-	1.64	1.33	1.00	-
119	4	29	-	-	-	1.32	-	-	1.07	-	-	-	-	-	-	1.49	1.07	-	1.25	-	-	-
132	5	12	-	-	-	1.16	-	-	-	-	-	-	-	-	-	1.41	1.05	-	1.19	-	-	-
184	7	3	-	-	-	1.24	-	-	1.00	-	-	-	-	-	-	1.28	-	-	1.04	-	-	-
263	9	20	1.17	-	-	2.62	1.78	1.01	2.14	1.65	1.13	-	1.30	-	-	2.73	1.90	1.14	2.26	1.77	1.26	-
265	9	22	-	-	-	1.06	-	-	-	-	-	-	-	-	-	1.16	-	-	-	-	-	-
266	9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	-	-
273	9	30	1.35	-	-	2.97	2.04	1.22	2.44	1.88	1.30	-	1.59	1.23	-	3.17	2.26	1.46	2.66	2.11	1.54	-
274	10	1	1.71	1.24	-	3.82	2.65	1.65	3.17	2.46	1.71	-	2.06	1.62	1.26	4.11	2.98	2.01	3.47	2.79	2.06	1.27
279	10	6	-	-	-	1.15	-	-	-	-	-	-	-	-	-	1.23	-	-	1.01	-	-	-
281	10	8	-	-	-	1.21	-	-	-	-	-	-	-	-	-	1.54	1.10	-	1.31	1.09	-	-
282	10	9	-	-	-	1.37	1.05	-	1.11	-	-	-	-	-	-	1.44	1.12	-	1.18	-	-	-
297	10	24	-	-	-	1.18	-	-	-	-	-	-	-	-	-	1.35	-	-	1.13	-	-	-
309	11	5	-	-	-	1.76	1.37	-	1.44	1.10	-	-	1.07	-	-	2.03	1.65	-	1.71	1.38	1.04	-
320	11	16	-	-	-	2.19	1.29	-	1.79	1.37	-	-	1.01	-	-	2.26	1.36	-	1.86	1.44	1.01	-
322	11	18	-	-	-	1.32	-	-	1.07	-	-	-	-	-	-	1.39	-	-	1.14	-	-	-
325	11	21	-	-	-	1.20	-	-	-	-	-	-	-	-	-	1.27	-	-	1.04	-	-	-
326	11	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.20	-	-	1.04	-	-	-
338	12	4	-	-	-	1.14	-	-	-	-	-	-	-	-	-	1.27	-	-	1.05	-	-	-
341	12	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	-	-	-	-	-
350	12	16	-	-	-	1.05	-	-	-	-	-	-	-	-	-	1.13	-	-	-	-	-	-
352	12	18	-	-	-	2.21	1.49	1.04	1.81	1.38	-	-	1.04	-	-	2.29	1.57	1.13	1.89	1.47	1.03	-
353	12	19	-	-	-	1.42	-	-	1.15	-	-	-	-	-	-	1.47	1.01	-	1.20	-	-	-
354	12	20	1.43	-	-	3.38	2.22	-	2.79	2.16	1.49	-	1.52	1.08	-	3.46	2.31	1.07	2.87	2.25	1.58	-
355	12	21	-	-	-	2.07	1.53	-	1.69	1.29	-	-	-	-	-	2.18	1.64	1.07	1.80	1.41	1.00	-
356	12	22	2.64	1.97	1.42	5.28	3.76	2.49	4.42	3.48	2.45	1.30	3.15	2.51	2.00	5.67	4.22	3.01	4.85	3.96	2.97	1.88
357	12	23	1.88	1.40	1.04	4.06	2.85	1.89	3.37	2.63	1.83	-	2.26	1.79	1.45	4.36	3.19	2.27	3.69	2.98	2.20	1.36
359	12	25	1.14	-	-	2.34	1.77	-	1.92	1.47	1.00	-	1.58	1.36	1.09	2.73	2.18	1.39	2.32	1.90	1.45	-
360	12	26	1.24	-	-	2.72	2.05	1.11	2.23	1.72	1.18	-	1.42	1.17	-	2.87	2.21	1.30	2.39	1.89	1.36	-
361	12	27	-	-	-	1.21	-	-	-	-	-	-	1.00	-	-	1.58	1.17	-	1.36	1.14	-	-
362	12	28	-	-	-	1.62	1.15	-	1.31	1.00	-	-	1.16	-	-	1.89	1.44	1.11	1.60	1.29	-	-
363	12	29	1.59	1.17	-	3.57	2.46	1.51	2.95	2.29	1.59	-	2.12	1.73	1.40	4.01	2.95	2.04	3.42	2.79	2.12	1.40
364	12	30	-	-	-	-	-	-	-	-	-	-	-	-	-	1.11	-	-	-	-	-	-
Number of Days Δ dv >= 1.0			17	8	2	56	29	16	38	28	17	1	31	17	10	64	43	25	53	35	27	9
Maximum Δ dv			2.64	1.97	1.42	5.28	3.76	2.49	4.42	3.48	2.45	1.30	3.15	2.51	2.00	5.67	4.22	3.01	4.85	3.96	2.97	1.88

Table C.9.24 Big Sandy - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2	1	2	1.18	-	-	1.89	1.45	-	1.54	1.18	-	-	1.85	1.68	1.51	2.52	2.11	1.67	2.19	1.85	1.50	1.13
3	1	3	1.06	-	-	1.65	1.27	-	1.34	1.02	-	-	1.54	1.39	1.24	2.11	1.74	1.36	1.82	1.52	1.22	-
2	1	2	-	-	-	1.46	1.04	-	1.19	-	-	-	1.41	1.27	1.12	2.11	1.71	1.29	1.85	1.59	1.32	1.04
3	1	3	-	-	-	1.25	-	-	1.02	-	-	-	1.16	1.04	-	1.77	1.43	1.03	1.55	1.32	1.08	-
4	1	4	1.01	-	-	2.22	1.64	1.23	1.81	1.39	-	-	1.31	1.10	-	2.48	1.92	1.53	2.09	1.68	1.25	-
6	1	6	1.01	-	-	2.29	1.62	1.27	1.87	1.43	-	-	1.18	-	-	2.44	1.79	1.43	2.03	1.60	1.15	-
7	1	7	1.77	1.33	-	3.75	2.61	1.61	3.10	2.41	1.67	-	2.45	2.03	1.67	4.30	3.24	2.28	3.70	3.05	2.35	1.61
13	1	13	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	-	-
14	1	14	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12	-	-	-	-	-	-
17	1	17	-	-	-	1.86	1.25	-	1.52	1.16	-	-	1.19	-	-	2.18	1.60	1.12	1.85	1.50	1.14	-
20	1	20	-	-	-	1.26	-	-	1.02	-	-	-	1.33	1.15	1.08	1.79	1.46	1.32	1.56	1.33	1.09	-
22	1	22	1.38	1.11	-	2.96	2.24	1.46	2.44	1.88	1.29	-	1.50	1.23	-	3.06	2.35	1.57	2.54	1.99	1.41	-
23	1	23	2.12	1.50	-	4.60	3.12	1.51	3.84	3.01	2.10	1.11	2.61	2.02	1.45	4.98	3.56	2.01	4.25	3.45	2.59	1.64
24	1	24	1.62	1.17	-	3.57	2.54	1.76	2.95	2.29	1.58	-	2.50	2.13	1.78	4.32	3.38	2.60	3.75	3.14	2.50	1.81
28	1	28	1.58	1.06	-	3.55	2.14	1.29	2.93	2.28	1.57	-	2.80	2.34	2.07	4.56	3.30	2.54	4.00	3.41	2.79	2.13
30	1	30	1.27	-	-	2.80	1.86	1.12	2.30	1.77	1.22	-	1.66	1.33	1.08	3.14	2.23	1.50	2.66	2.15	1.62	1.05
39	2	8	-	-	-	1.14	-	-	-	-	-	-	-	-	-	1.19	-	-	-	-	-	-
40	2	9	-	-	-	1.52	1.01	-	1.23	-	-	-	-	-	-	1.55	1.04	-	1.27	-	-	-
41	2	10	-	-	-	1.02	-	-	-	-	-	-	-	-	-	1.16	-	-	-	-	-	-
44	2	13	1.24	-	-	2.86	1.95	1.14	2.35	1.81	1.24	-	1.46	1.13	-	3.06	2.16	1.37	2.55	2.03	1.47	-
52	2	21	-	-	-	1.03	-	-	-	-	-	-	-	-	-	1.14	-	-	-	-	-	-
53	2	22	-	-	-	1.59	1.05	-	1.29	-	-	-	1.05	-	-	1.81	1.29	1.11	1.52	1.22	-	-
54	2	23	-	-	-	1.31	-	-	1.06	-	-	-	-	-	-	1.57	1.17	-	1.33	1.08	-	-
55	2	24	-	-	-	1.25	-	-	1.01	-	-	-	-	-	-	1.35	1.10	-	1.11	-	-	-
56	2	25	-	-	-	1.16	-	-	-	-	-	-	-	-	-	1.41	1.18	-	1.20	-	-	-
57	2	26	-	-	-	1.17	-	-	-	-	-	-	-	-	-	1.35	1.02	-	1.13	-	-	-
60	3	1	-	-	-	1.13	-	-	-	-	-	-	-	-	-	1.46	1.12	-	1.25	1.04	-	-
61	3	2	-	-	-	1.20	-	-	-	-	-	-	-	-	-	1.58	1.19	-	1.36	1.14	-	-
62	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1.11	-	-	-	-	-	-
63	3	4	-	-	-	1.03	-	-	-	-	-	-	-	-	-	1.24	-	-	1.05	-	-	-
67	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1.13	-	-	-	-	-	-
75	3	16	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	-	-	-	-
76	3	17	-	-	-	1.03	-	-	-	-	-	-	-	-	-	1.10	-	-	-	-	-	-
77	3	18	-	-	-	-	-	-	-	-	-	-	-	-	-	1.11	-	-	-	-	-	-
78	3	19	-	-	-	-	-	-	-	-	-	-	-	-	-	1.13	-	-	-	-	-	-
85	3	26	-	-	-	1.22	-	-	-	-	-	-	-	-	-	1.37	-	-	1.13	-	-	-
86	3	27	1.09	-	-	2.39	1.66	-	1.95	1.50	1.02	-	1.43	1.17	-	2.69	1.99	1.24	2.27	1.83	1.37	-
90	3	31	2.01	1.50	1.03	4.42	3.10	1.77	3.67	2.88	2.01	1.05	2.18	1.67	1.21	4.55	3.25	1.94	3.82	3.03	2.17	1.24
91	4	1	-	-	-	1.21	-	-	-	-	-	-	-	-	-	1.42	1.08	-	1.20	-	-	-
92	4	2	-	-	-	1.77	1.24	-	1.44	1.10	-	-	-	-	-	1.92	1.40	-	1.60	1.26	-	-
93	4	3	-	-	-	1.29	-	-	1.04	-	-	-	-	-	-	1.47	1.02	-	1.23	-	-	-
115	4	25	-	-	-	1.13	-	-	-	-	-	-	-	-	-	1.23	-	-	1.02	-	-	-
116	4	26	-	-	-	1.53	1.01	-	1.25	-	-	-	-	-	-	1.78	1.26	-	1.50	1.21	-	-
119	4	29	-	-	-	1.20	-	-	-	-	-	-	-	-	-	1.36	-	-	1.13	-	-	-
132	5	12	-	-	-	1.06	-	-	-	-	-	-	-	-	-	1.28	-	-	1.08	-	-	-
184	7	3	-	-	-	1.04	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	-	-
263	9	20	-	-	-	2.19	1.48	-	1.78	1.37	-	-	1.07	-	-	2.28	1.58	-	1.89	1.47	1.04	-
273	9	30	1.12	-	-	2.49	1.69	1.01	2.04	1.57	1.07	-	1.32	1.02	-	2.66	1.88	1.21	2.22	1.76	1.27	-
274	10	1	1.42	1.03	-	3.22	2.22	1.37	2.66	2.06	1.42	-	1.72	1.34	1.04	3.47	2.50	1.67	2.92	2.34	1.72	1.05
279	10	6	-	-	-	1.29	-	-	1.04	-	-	-	-	-	-	1.38	-	-	1.13	-	-	-
281	10	8	-	-	-	1.36	-	-	1.11	-	-	-	1.03	-	-	1.72	1.23	1.07	1.48	1.22	-	-
282	10	9	-	-	-	1.53	1.18	-	1.25	-	-	-	-	-	-	1.61	1.26	-	1.33	1.03	-	-
295	10	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12	-	-	-	-	-	-
297	10	24	-	-	-	1.32	-	-	1.07	-	-	-	-	-	-	1.52	1.08	-	1.28	1.02	-	-
298	10	25	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	-	-	-	-
309	11	5	-	-	-	1.95	1.52	-	1.59	1.22	-	-	1.19	1.03	-	2.24	1.82	-	1.89	1.53	1.15	-
320	11	16	1.04	-	-	2.42	1.43	-	1.98	1.52	1.04	-	1.12	-	-	2.49	1.51	-	2.05	1.60	1.12	-
322	11	18	-	-	-	1.46	-	-	1.19	-	-	-	-	-	-	1.54	1.02	-	1.27	-	-	-
325	11	21	-	-	-	1.33	-	-	1.08	-	-	-	-	-	-	1.41	1.01	-	1.15	-	-	-
326	11	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.33	1.05	-	1.15	-	-	-
338	12	4	-	-	-	1.27	-	-	1.03	-	-	-	-	-	-	1.41	1.01	-	1.17	-	-	-
341	12	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	-	-	1.04	-	-	-
349	12	15	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	-
350	12	16	-	-	-	1.16	-	-	-	-	-	-	-	-	-	1.25	-	-	1.03	-	-	-
352	12	18	1.06	-	-	2.45	1.65	1.16	2.00	1.54	1.05	-	1.16	-	-	2.54	1.75	1.26	2.10	1.63	1.15	-
353	12	19	-	-	-	1.58	1.07	-	1.28	-	-	-	-	-	-	1.63	1.13	-	1.34	1.03	-	-
354	12	20	1.59	1.09	-	3.72	2.46	1.09	3.08	2.39	1.66	-	1.69	1.20	-	3.80	2.55	1.19	3.17	2.49	1.76	-
355	12	21	-	-	-	2.29	1.70	1.05	1.87	1.44	-	-	1.05	-	-	2.41	1.83	1.19	2.00	1.57	1.12	-
356	12	22	2.92	2.18	1.58	5.76	4.13	2.75	4.84	3.83	2.71	1.45	3.47	2.78	2.22	6.18	4.63	3.32	5.30	4.34	3.28	2.09
357	12	23	2.09	1.55	1.16	4.46	3.15	2.09	3.71	2.90	2.03	1.07	2.50	1.98	1.62	4.78	3.51	2.51	4.06	3.28	2.44	1.51
359	12	25	1.26	1.02	-	2.59	1.96	1.05	2.12	1.63	1.12	-	1.75	1.52	1.22	3.02	2.42	1.55	2.57	2.10	1.61	1.09
360	12	26	1.38	1.10	-	3.00	2.26	1.24	2.47	1.90	1.31	-	1.58	1.30	-	3.17	2.45	1.44	2.65	2.10	1.51	-
361	12	27	-	-	-	1.35	-	-	1.09	-	-	-	1.12	-	-	1.76	1.30	1.04	1.51	1.27	1.02	-
362	12	28	-	-	-	1.79	1.28	-	1.46	1.11	-	-	1.29	1.07	-	2.09	1.60	1.24	1.77	1.44	1.09	-
363	12	29	1.77	1.31	-	3.93	2.72	1.67	3.26	2.54	1.76	-	2.35	1.91	1.56	4.40	3.25	2.26	3.76	3.08	2.34	1.55
364	12	30	-	-	-	1.03	-	-	-	-	-	-	-	-	-	1.23	-	-	1.04	-	-	-
Number of Days Δ dv >= 1.0			23	13	3	64	35	20	47	29	19	4	34	25	15	76	52	31	61	42	32	13
Maximum Δ dv			2.92	2.18	1.58	5.76	4.13	2.75	4.84	3.83	2.71	1.45	3.47	2.78	2.22	6.18	4.63	3.32	5.30	4.34	3.28	2.13

Table C.9.25 Boulder - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
4	1	4	-	-	-	1.45	-	-	1.17	-	-	-	-	-	-	1.70	1.20	-	1.44	1.17	-	-
6	1	6	2.01	1.46	-	4.05	2.80	1.64	3.36	2.62	1.82	-	3.17	2.73	2.35	4.97	3.87	2.87	4.36	3.71	3.02	2.34
7	1	7	-	-	-	1.49	-	-	1.21	-	-	-	1.32	1.14	-	2.09	1.62	1.23	1.82	1.55	1.27	-
20	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-
21	1	21	1.62	1.18	-	3.72	2.57	1.62	3.08	2.39	1.66	-	2.30	1.90	1.59	4.24	3.15	2.29	3.63	2.99	2.32	1.61
23	1	23	-	-	-	1.59	1.04	-	1.29	-	-	-	2.35	2.18	2.04	3.08	2.61	2.23	2.82	2.56	2.29	2.03
24	1	24	-	-	-	1.01	-	-	-	-	-	-	3.00	2.88	2.78	3.34	3.06	2.84	3.19	3.03	2.88	2.72
26	1	26	-	-	-	1.56	1.23	-	1.26	-	-	-	-	-	-	1.67	1.35	-	1.39	1.09	-	-
27	1	27	-	-	-	1.11	-	-	-	-	-	-	-	-	-	1.27	1.00	-	1.06	-	-	-
29	1	29	1.00	-	-	2.37	1.71	1.16	1.94	1.49	1.02	-	1.07	-	-	2.42	1.76	1.22	2.00	1.55	1.08	-
30	1	30	1.76	1.29	-	4.06	2.84	1.75	3.37	2.63	1.83	-	1.96	1.50	1.12	4.22	3.02	1.95	3.54	2.81	2.02	1.17
40	2	9	-	-	-	1.75	1.17	-	1.42	1.09	-	-	-	-	-	1.83	1.25	-	1.51	1.17	-	-
44	2	13	1.28	-	-	2.88	1.98	1.25	2.36	1.82	1.25	-	1.52	1.19	-	3.08	2.20	1.49	2.57	2.04	1.49	-
61	3	2	-	-	-	1.91	1.33	-	1.55	1.19	-	-	1.30	1.11	-	2.36	1.80	1.23	2.02	1.67	1.31	-
62	3	3	-	-	-	1.89	1.31	-	1.54	1.18	-	-	1.06	-	-	2.11	1.54	-	1.77	1.41	1.04	-
87	3	28	-	-	-	1.02	-	-	-	-	-	-	-	-	-	1.15	-	-	-	-	-	-
109	4	19	-	-	-	1.59	1.04	-	1.29	-	-	-	-	-	-	1.62	1.07	-	1.32	1.01	-	-
110	4	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	-	-
111	4	21	-	-	-	1.10	-	-	-	-	-	-	-	-	-	1.21	-	-	1.00	-	-	-
112	4	22	-	-	-	1.21	-	-	-	-	-	-	-	-	-	1.31	-	-	1.08	-	-	-
132	5	12	-	-	-	-	-	-	-	-	-	-	1.06	1.03	1.01	1.14	1.08	1.03	1.11	1.07	1.04	-
198	7	17	-	-	-	1.16	-	-	-	-	-	-	-	-	-	1.23	-	-	1.01	-	-	-
222	8	10	-	-	-	1.62	1.17	-	1.32	1.00	-	-	-	-	-	1.72	1.28	-	1.42	1.11	-	-
262	9	19	-	-	-	1.09	-	-	-	-	-	-	-	-	-	1.25	-	-	1.05	-	-	-
263	9	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	-
265	9	22	-	-	-	1.20	-	-	-	-	-	-	-	-	-	1.43	1.04	-	1.22	-	-	-
268	9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-
269	9	26	-	-	-	1.73	1.17	-	1.41	1.07	-	-	-	-	-	1.83	1.27	-	1.51	1.18	-	-
322	11	18	-	-	-	2.49	1.61	-	2.04	1.57	1.07	-	1.14	-	-	2.65	1.81	1.00	2.21	1.75	1.27	-
325	11	21	-	-	-	2.04	1.32	-	1.66	1.27	-	-	1.02	-	-	2.15	1.42	-	1.78	1.39	-	-
351	12	17	-	-	-	1.26	-	-	1.02	-	-	-	-	-	-	1.33	-	-	1.09	-	-	-
352	12	18	-	-	-	1.89	1.28	-	1.54	1.18	-	-	-	-	-	1.97	1.37	-	1.63	1.26	-	-
353	12	19	1.14	-	-	2.58	1.82	1.21	2.12	1.63	1.11	-	1.21	-	-	2.64	1.88	1.27	2.18	1.69	1.18	-
354	12	20	-	-	-	2.28	1.41	-	1.87	1.43	-	-	1.10	-	-	2.40	1.53	-	1.99	1.56	1.11	-
355	12	21	1.25	-	-	3.02	2.00	1.06	2.49	1.92	1.32	-	1.39	1.02	-	3.13	2.12	1.19	2.60	2.04	1.45	-
356	12	22	-	-	-	1.63	1.09	-	1.33	1.01	-	-	2.35	2.16	2.02	3.01	2.54	2.21	2.75	2.48	2.21	1.93
358	12	24	-	-	-	1.58	1.04	-	1.28	-	-	-	1.04	-	-	1.72	1.19	-	1.43	1.13	-	-
360	12	26	-	-	-	-	-	-	-	-	-	-	-	-	-	1.15	-	-	1.02	-	-	-
364	12	30	-	-	-	1.46	-	-	1.19	-	-	-	-	-	-	1.53	1.01	-	1.26	-	-	-
Number of Days Δ dv >= 1.0			7	3	0	33	21	7	25	17	8	0	18	11	7	39	28	14	34	25	16	6
Maximum Δ dv			2.01	1.46	0.00	4.06	2.84	1.75	3.37	2.63	1.83	0.00	3.17	2.88	2.78	4.97	3.87	2.87	4.36	3.71	3.02	2.72

Table C.9.26 Boulder - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
4	1	4	-	-	-	1.66	1.05	-	1.35	1.03	-	-	1.06	-	-	1.94	1.38	-	1.65	1.35	1.04	-
6	1	6	2.30	1.67	1.12	4.57	3.19	1.88	3.81	2.99	2.09	1.10	3.60	3.10	2.68	5.58	4.38	3.27	4.91	4.20	3.43	2.67
7	1	7	-	-	-	1.71	1.15	-	1.39	1.06	-	-	1.51	1.31	1.14	2.39	1.86	1.41	2.09	1.78	1.47	1.14
20	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.16	-	-	1.02	-	-	-
21	1	21	1.86	1.36	-	4.21	2.93	1.86	3.50	2.73	1.90	-	2.62	2.17	1.82	4.78	3.58	2.62	4.11	3.40	2.65	1.84
22	1	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.14	-	-	-	-	-	-
23	1	23	-	-	-	1.83	1.20	-	1.49	1.13	-	-	2.68	2.49	2.34	3.50	2.97	2.54	3.21	2.92	2.61	2.32
24	1	24	-	-	-	1.17	-	-	-	-	-	-	3.41	3.27	3.16	3.78	3.47	3.23	3.62	3.44	3.27	3.09
26	1	26	-	-	-	1.78	1.41	-	1.45	1.11	-	-	1.08	-	-	1.92	1.55	1.02	1.59	1.25	-	-
27	1	27	-	-	-	1.27	-	-	1.03	-	-	-	-	-	-	1.46	1.15	-	1.22	-	-	-
29	1	29	1.16	-	-	2.70	1.95	1.34	2.22	1.71	1.17	-	1.23	-	-	2.77	2.02	1.41	2.28	1.78	1.24	-
30	1	30	2.02	1.49	1.04	4.58	3.23	2.01	3.82	2.99	2.09	1.10	2.24	1.72	1.28	4.76	3.43	2.23	4.01	3.19	2.31	1.34
40	2	9	-	-	-	2.01	1.35	-	1.64	1.26	-	-	-	-	-	2.11	1.45	-	1.74	1.36	-	-
44	2	13	1.48	1.09	-	3.28	2.28	1.45	2.71	2.10	1.45	-	1.75	1.37	1.09	3.51	2.52	1.72	2.94	2.35	1.71	1.04
61	3	2	-	-	-	2.19	1.53	-	1.79	1.37	-	-	1.50	1.28	1.06	2.70	2.07	1.41	2.32	1.92	1.51	1.09
62	3	3	-	-	-	2.17	1.51	-	1.77	1.36	-	-	1.22	-	-	2.42	1.78	1.13	2.03	1.63	1.21	-
77	3	18	-	-	-	-	-	-	-	-	-	-	-	-	-	1.15	-	-	-	-	-	-
87	3	28	-	-	-	1.18	-	-	-	-	-	-	-	-	-	1.34	-	-	1.11	-	-	-
109	4	19	-	-	-	1.45	-	-	1.18	-	-	-	-	-	-	1.48	-	-	1.20	-	-	-
111	4	21	-	-	-	1.00	-	-	-	-	-	-	-	-	-	1.10	-	-	-	-	-	-
112	4	22	-	-	-	1.10	-	-	-	-	-	-	-	-	-	1.19	-	-	-	-	-	-
132	5	12	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	1.01	-	-	-
198	7	17	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	-	-	-	-
222	8	10	-	-	-	1.37	-	-	1.11	-	-	-	-	-	-	1.45	1.08	-	1.20	-	-	-
262	9	19	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	-	-	-	-
265	9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.18	-	-	1.00	-	-	-
269	9	26	-	-	-	1.43	-	-	1.16	-	-	-	-	-	-	1.52	1.05	-	1.25	-	-	-
320	11	16	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	-	-	-	-
322	11	18	1.04	-	-	2.75	1.79	-	2.26	1.74	1.19	-	1.26	-	-	2.92	2.00	1.12	2.44	1.94	1.41	-
325	11	21	1.01	-	-	2.25	1.46	-	1.84	1.41	-	-	1.13	-	-	2.37	1.57	-	1.97	1.54	1.11	-
351	12	17	-	-	-	1.40	-	-	1.13	-	-	-	-	-	-	1.48	1.01	-	1.22	-	-	-
352	12	18	-	-	-	2.10	1.43	-	1.71	1.31	-	-	1.06	-	-	2.19	1.52	-	1.80	1.41	-	-
353	12	19	1.27	-	-	2.85	2.02	1.34	2.34	1.81	1.24	-	1.34	1.03	-	2.91	2.08	1.42	2.41	1.88	1.31	-
354	12	20	1.08	-	-	2.52	1.56	-	2.07	1.59	1.09	-	1.23	-	-	2.65	1.70	-	2.20	1.73	1.23	-
355	12	21	1.39	-	-	3.33	2.22	1.18	2.75	2.13	1.47	-	1.54	1.13	-	3.45	2.35	1.33	2.88	2.26	1.61	-
356	12	22	-	-	-	1.81	1.21	-	1.48	1.13	-	-	2.59	2.39	2.23	3.31	2.81	2.44	3.03	2.74	2.44	2.14
357	12	23	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-
358	12	24	-	-	-	1.75	1.15	-	1.42	1.09	-	-	1.16	-	-	1.91	1.32	-	1.59	1.26	-	-
360	12	26	-	-	-	-	-	-	-	-	-	-	-	-	-	1.28	-	-	1.14	-	-	-
364	12	30	-	-	-	1.63	1.05	-	1.32	1.01	-	-	-	-	-	1.70	1.13	-	1.40	1.09	-	-
Number of Days Δ dv >= 1.0			10	4	2	30	21	7	26	21	9	2	20	11	9	40	26	15	32	22	17	9
Maximum Δ dv			2.30	1.67	1.12	4.58	3.23	2.01	3.82	2.99	2.09	1.10	3.60	3.27	3.16	5.58	4.38	3.27	4.91	4.20	3.43	3.09

Table C.9.27 Bronx - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
7	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.23	-	-	1.08	-	-	-
21	1	21	-	-	-	1.17	-	-	-	-	-	-	-	-	-	1.36	-	-	1.14	-	-	-
23	1	23	-	-	-	1.04	-	-	-	-	-	-	-	-	-	1.12	-	-	-	-	-	-
30	1	30	1.40	1.01	-	3.37	2.34	1.35	2.78	2.15	1.48	-	1.46	1.08	-	3.42	2.40	1.42	2.83	2.21	1.55	-
40	2	9	-	-	-	1.03	-	-	-	-	-	-	-	-	-	1.36	1.03	-	1.17	-	-	-
45	2	14	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	-	-	-	-
62	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12	-	-	-	-	-	-
87	3	28	-	-	-	1.07	-	-	-	-	-	-	-	-	-	1.31	-	-	1.11	-	-	-
325	11	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.18	-	-	1.01	-	-	-
353	12	19	-	-	-	1.05	-	-	-	-	-	-	-	-	-	1.19	-	-	-	-	-	-
355	12	21	-	-	-	1.01	-	-	-	-	-	-	-	-	-	1.14	-	-	-	-	-	-
356	12	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.09	-	-	-	-	-	-
Number of Days Δ dv >= 1.0			1	1	0	7	1	1	1	1	1	0	1	1	0	12	2	1	6	1	1	0
Maximum Δ dv			1.40	1.01	0.00	3.37	2.34	1.35	2.78	2.15	1.48	0.00	1.46	1.08	0.00	3.42	2.40	1.42	2.83	2.21	1.55	0.00

Table C.9.28 Bronx - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	-
7	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.41	1.12	-	1.24	1.07	-	-
21	1	21	-	-	-	1.34	-	-	1.09	-	-	-	-	-	-	1.56	1.09	-	1.31	1.05	-	-
23	1	23	-	-	-	1.19	-	-	-	-	-	-	-	-	-	1.29	-	-	1.07	-	-	-
27	1	27	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	-	-
30	1	30	1.60	1.16	-	3.82	2.67	1.56	3.16	2.46	1.70	-	1.68	1.24	-	3.88	2.73	1.63	3.22	2.53	1.78	-
40	2	9	-	-	-	1.20	-	-	-	-	-	-	-	-	-	1.57	1.20	-	1.35	1.13	-	-
45	2	14	-	-	-	-	-	-	-	-	-	-	-	-	-	1.20	-	-	1.04	-	-	-
62	3	3	-	-	-	1.05	-	-	-	-	-	-	-	-	-	1.29	-	-	1.09	-	-	-
87	3	28	-	-	-	1.23	-	-	-	-	-	-	-	-	-	1.51	1.14	-	1.28	1.05	-	-
325	11	21	-	-	-	1.02	-	-	-	-	-	-	-	-	-	1.31	-	-	1.12	-	-	-
352	12	18	-	-	-	-	-	-	-	-	-	-	-	-	-	1.11	-	-	-	-	-	-
353	12	19	-	-	-	1.17	-	-	-	-	-	-	-	-	-	1.32	-	-	1.10	-	-	-
355	12	21	-	-	-	1.12	-	-	-	-	-	-	-	-	-	1.27	-	-	1.05	-	-	-
356	12	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	-	-	1.06	-	-	-
Number of Days Δ dv >= 1.0			1	1	0	9	1	1	2	1	1	0	1	1	0	15	5	1	12	5	1	0
Maximum Δ dv			1.60	1.16	0.00	3.82	2.67	1.56	3.16	2.46	1.70	0.00	1.68	1.24	0.00	3.88	2.73	1.63	3.22	2.53	1.78	0.00

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6	1	6	-	-	-	-	-	-	-	-	-	-	1.04	-	-	1.41	1.17	-	1.28	1.14	1.01	-
7	1	7	-	-	-	1.09	-	-	-	-	-	-	1.08	-	-	1.63	1.29	-	1.44	1.24	1.03	-
21	1	21	-	-	-	1.61	1.05	-	1.31	-	-	-	-	-	-	1.85	1.31	-	1.56	1.26	-	-
23	1	23	-	-	-	1.40	-	-	1.13	-	-	-	-	-	-	1.51	1.03	-	1.25	-	-	-
26	1	26	-	-	-	1.61	1.03	-	1.31	-	-	-	1.20	-	-	1.96	1.41	-	1.67	1.37	1.06	-
27	1	27	-	-	-	1.33	-	-	1.08	-	-	-	1.20	1.03	-	1.84	1.42	1.07	1.60	1.35	1.10	-
30	1	30	2.66	1.95	1.27	6.00	4.32	2.58	5.06	4.01	2.85	1.52	2.75	2.04	1.38	6.07	4.40	2.67	5.13	4.09	2.93	1.62
40	2	9	-	-	-	1.18	-	-	-	-	-	-	-	-	-	1.43	1.07	-	1.22	-	-	-
45	2	14	-	-	-	-	-	-	-	-	-	-	-	-	-	1.34	1.02	-	1.15	-	-	-
62	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	-	-	-	-	-
87	3	28	-	-	-	1.08	-	-	-	-	-	-	-	-	-	1.35	1.04	-	1.15	-	-	-
325	11	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.15	-	-	-	-	-	-
352	12	18	-	-	-	1.09	-	-	-	-	-	-	-	-	-	1.30	-	-	1.09	-	-	-
353	12	19	-	-	-	1.33	-	-	1.08	-	-	-	-	-	-	1.48	1.05	-	1.23	-	-	-
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	-	-	-	-	-
356	12	22	-	-	-	1.05	-	-	-	-	-	-	1.01	-	-	1.58	1.21	-	1.39	1.20	1.00	-
Number of Days Δ dv >= 1.0			1	1	1	11	3	1	6	1	1	1	6	2	1	16	12	2	13	7	6	1
Maximum Δ dv			2.66	1.95	1.27	6.00	4.32	2.58	5.06	4.01	2.85	1.52	2.75	2.04	1.38	6.07	4.40	2.67	5.13	4.09	2.93	1.62

Table C.9.30 Cora - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6	1	6	-	-	-	-	-	-	-	-	-	-	1.20	1.10	1.01	1.62	1.35	1.13	1.47	1.32	1.16	1.01
7	1	7	-	-	-	1.25	-	-	1.02	-	-	-	1.24	1.09	-	1.87	1.48	1.14	1.65	1.42	1.18	-
21	1	21	-	-	-	1.85	1.22	-	1.51	1.15	-	-	1.05	-	-	2.12	1.51	1.01	1.79	1.44	1.09	-
23	1	23	-	-	-	1.61	1.06	-	1.30	-	-	-	-	-	-	1.73	1.19	-	1.43	1.13	-	-
26	1	26	-	-	-	1.85	1.19	-	1.50	1.15	-	-	1.38	1.12	-	2.24	1.62	1.14	1.91	1.57	1.22	-
27	1	27	-	-	-	1.53	1.02	-	1.24	-	-	-	1.38	1.19	1.03	2.10	1.63	1.23	1.83	1.55	1.27	-
30	1	30	3.03	2.23	1.47	6.70	4.87	2.94	5.68	4.53	3.23	1.75	3.13	2.34	1.58	6.77	4.96	3.04	5.75	4.62	3.33	1.86
40	2	9	-	-	-	1.36	-	-	1.10	-	-	-	-	-	-	1.65	1.23	-	1.40	1.15	-	-
44	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	-	-	-	-
45	2	14	-	-	-	1.15	-	-	-	-	-	-	-	-	-	1.54	1.18	-	1.33	1.12	-	-
62	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1.20	-	-	1.03	-	-	-
87	3	28	-	-	-	1.25	-	-	1.01	-	-	-	-	-	-	1.56	1.21	-	1.33	1.10	-	-
325	11	21	-	-	-	1.03	-	-	-	-	-	-	-	-	-	1.28	-	-	1.09	-	-	-
352	12	18	-	-	-	1.21	-	-	-	-	-	-	-	-	-	1.44	1.07	-	1.22	-	-	-
353	12	19	-	-	-	1.48	-	-	1.20	-	-	-	-	-	-	1.64	1.17	-	1.37	1.08	-	-
355	12	21	-	-	-	1.10	-	-	-	-	-	-	-	-	-	1.22	-	-	1.02	-	-	-
356	12	22	-	-	-	1.17	-	-	-	-	-	-	1.13	-	-	1.76	1.34	1.04	1.55	1.33	1.11	-
Number of Days Δ dv >= 1.0			1	1	1	14	5	1	9	3	1	1	7	5	3	17	13	7	16	12	7	2
Maximum Δ dv			3.03	2.23	1.47	6.70	4.87	2.94	5.68	4.53	3.23	1.75	3.13	2.34	1.58	6.77	4.96	3.04	5.75	4.62	3.33	1.86

Table C.9.31 Daniel - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	-	-	-	-
6	1	6	-	-	-	1.09	-	-	-	-	-	-	1.01	-	-	1.58	1.23	-	1.38	1.18	-	-
7	1	7	-	-	-	1.03	-	-	-	-	-	-	-	-	-	1.46	1.13	-	1.27	1.07	-	-
21	1	21	-	-	-	1.87	1.21	-	1.52	1.16	-	-	1.17	-	-	2.25	1.62	1.10	1.91	1.57	1.21	-
22	1	22	-	-	-	1.07	-	-	-	-	-	-	-	-	-	1.13	-	-	-	-	-	-
23	1	23	-	-	-	1.28	-	-	1.04	-	-	-	-	-	-	1.40	-	-	1.16	-	-	-
24	1	24	-	-	-	-	-	-	-	-	-	-	1.01	-	-	1.26	1.04	-	1.14	1.02	-	-
27	1	27	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	-
30	1	30	2.12	1.54	1.01	4.89	3.46	2.04	4.09	3.21	2.25	1.19	2.20	1.63	1.11	4.95	3.54	2.12	4.15	3.29	2.33	1.28
40	2	9	-	-	-	1.54	1.04	-	1.25	-	-	-	1.06	-	-	1.85	1.36	-	1.57	1.28	-	-
44	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	1.15	-	-	1.02	-	-	-
45	2	14	-	-	-	1.12	-	-	-	-	-	-	-	-	-	1.46	1.09	-	1.25	1.04	-	-
62	3	3	-	-	-	1.27	-	-	1.03	-	-	-	-	-	-	1.61	1.22	-	1.38	1.14	-	-
87	3	28	-	-	-	1.31	-	-	1.06	-	-	-	-	-	-	1.59	1.17	-	1.34	1.10	-	-
109	4	19	-	-	-	-	-	-	-	-	-	-	-	-	-	1.11	-	-	-	-	-	-
253	9	10	-	-	-	1.00	-	-	-	-	-	-	-	-	-	1.12	-	-	-	-	-	-
325	11	21	-	-	-	1.26	-	-	1.02	-	-	-	-	-	-	1.55	1.13	-	1.32	1.08	-	-
352	12	18	-	-	-	1.21	-	-	-	-	-	-	-	-	-	1.49	1.12	-	1.27	1.04	-	-
353	12	19	-	-	-	1.35	-	-	1.09	-	-	-	-	-	-	1.56	1.07	-	1.31	1.06	-	-
355	12	21	-	-	-	1.46	-	-	1.18	-	-	-	-	-	-	1.75	1.26	-	1.48	1.21	-	-
356	12	22	-	-	-	1.16	-	-	-	-	-	-	1.14	-	-	1.76	1.35	1.05	1.55	1.34	1.12	-
Number of Days Δ dv >= 1.0			1	1	1	16	3	1	9	2	1	1	6	1	1	21	14	3	16	14	3	1
Maximum Δ dv			2.12	1.54	1.01	4.89	3.46	2.04	4.09	3.21	2.25	1.19	2.20	1.63	1.11	4.95	3.54	2.12	4.15	3.29	2.33	1.28

Table C.9.32 Daniel - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	-	-	1.05	-	-	-
6	1	6	-	-	-	1.26	-	-	1.02	-	-	-	1.16	1.01	-	1.82	1.41	1.07	1.59	1.36	1.12	-
7	1	7	-	-	-	1.19	-	-	-	-	-	-	1.07	-	-	1.67	1.30	-	1.46	1.24	1.01	-
21	1	21	-	-	-	2.14	1.40	-	1.75	1.34	-	-	1.34	1.09	-	2.57	1.86	1.26	2.19	1.80	1.39	-
22	1	22	-	-	-	1.23	-	-	-	-	-	-	-	-	-	1.30	-	-	1.07	-	-	-
23	1	23	-	-	-	1.48	-	-	1.20	-	-	-	-	-	-	1.61	1.12	-	1.34	1.06	-	-
24	1	24	-	-	-	-	-	-	-	-	-	-	1.16	1.06	-	1.45	1.20	1.02	1.32	1.18	1.04	-
25	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	1.13	-	-	-	-	-	-
27	1	27	-	-	-	-	-	-	-	-	-	-	-	-	-	1.24	-	-	1.08	-	-	-
30	1	30	2.42	1.77	1.17	5.49	3.92	2.33	4.61	3.64	2.57	1.37	2.52	1.87	1.27	5.56	4.00	2.43	4.69	3.72	2.66	1.47
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1.13	-	-	-	-	-	-
40	2	9	-	-	-	1.78	1.21	-	1.45	1.11	-	-	1.22	1.00	-	2.13	1.57	1.09	1.81	1.48	1.14	-
44	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	1.33	1.07	-	1.18	1.03	-	-
45	2	14	-	-	-	1.30	-	-	1.05	-	-	-	1.03	-	-	1.68	1.26	-	1.45	1.20	-	-
62	3	3	-	-	-	1.46	-	-	1.19	-	-	-	1.08	-	-	1.86	1.41	1.02	1.59	1.32	1.04	-
87	3	28	-	-	-	1.52	1.03	-	1.23	-	-	-	1.11	-	-	1.83	1.36	-	1.55	1.27	-	-
109	4	19	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-
325	11	21	-	-	-	1.39	-	-	1.13	-	-	-	-	-	-	1.71	1.25	-	1.46	1.20	-	-
352	12	18	-	-	-	1.34	-	-	1.09	-	-	-	-	-	-	1.66	1.25	-	1.41	1.16	-	-
353	12	19	-	-	-	1.50	-	-	1.22	-	-	-	-	-	-	1.74	1.19	-	1.46	1.18	-	-
355	12	21	-	-	-	1.62	1.06	-	1.31	1.00	-	-	1.02	-	-	1.94	1.40	-	1.64	1.34	1.03	-
356	12	22	-	-	-	1.29	-	-	1.05	-	-	-	1.27	1.11	-	1.96	1.50	1.17	1.73	1.49	1.25	1.00
357	12	23	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	-	-	-	-
Number of Days Δ dv >= 1.0			1	1	1	15	5	1	13	4	1	1	11	6	1	23	16	7	19	16	9	2
Maximum Δ dv			2.42	1.77	1.17	5.49	3.92	2.33	4.61	3.64	2.57	1.37	2.52	1.87	1.27	5.56	4.00	2.43	4.69	3.72	2.66	1.47

Table C.9.33 Farson - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
3	1	3	-	-	-	-	-	-	-	-	-	-	1.29	1.24	1.20	1.46	1.35	1.27	1.38	1.30	1.22	1.13
7	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	-	-	-	-
22	1	22	1.93	1.36	-	4.33	2.96	1.87	3.60	2.82	1.96	1.03	2.13	1.57	1.14	4.49	3.14	2.06	3.77	2.99	2.16	1.24
23	1	23	1.24	-	-	2.41	1.62	-	1.97	1.51	1.03	-	1.84	1.51	1.21	2.94	2.20	1.57	2.53	2.10	1.65	1.19
28	1	28	1.17	-	-	2.40	1.66	1.04	1.97	1.51	1.03	-	2.21	1.94	1.71	3.33	2.65	2.09	2.93	2.51	2.08	1.63
29	1	29	1.62	1.20	-	3.21	2.25	1.42	2.65	2.05	1.41	-	2.17	1.78	1.44	3.68	2.77	1.98	3.14	2.58	1.97	1.33
41	2	10	-	-	-	-	-	-	-	-	-	-	-	-	-	1.11	-	-	-	-	-	-
43	2	12	-	-	-	-	-	-	-	-	-	-	-	-	-	1.27	-	-	1.10	-	-	-
86	3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	-	-	-	-	-
90	3	31	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	-	-	-	-	-
306	11	2	-	-	-	1.17	-	-	-	-	-	-	-	-	-	1.36	-	-	1.14	-	-	-
332	11	28	-	-	-	1.52	1.06	-	1.24	-	-	-	-	-	-	1.74	1.28	-	1.46	1.17	-	-
354	12	20	-	-	-	1.75	1.12	-	1.43	1.09	-	-	1.00	-	-	1.95	1.33	-	1.63	1.30	-	-
355	12	21	1.85	1.35	-	3.45	2.34	1.43	2.85	2.21	1.52	-	2.42	1.94	1.53	3.93	2.88	2.02	3.36	2.76	2.11	1.42
356	12	22	-	-	-	1.11	-	-	-	-	-	-	-	-	-	1.30	-	-	1.10	-	-	-
357	12	23	-	-	-	1.65	1.12	-	1.34	1.02	-	-	1.42	1.19	1.00	2.15	1.65	1.24	1.86	1.56	1.25	-
359	12	25	-	-	-	-	-	-	-	-	-	-	1.34	1.22	1.13	1.67	1.42	1.23	1.52	1.37	1.21	1.05
360	12	26	-	-	-	-	-	-	-	-	-	-	1.31	1.18	1.07	1.58	1.35	1.15	1.42	1.26	1.11	-
363	12	29	-	-	-	-	-	-	-	-	-	-	1.54	1.49	1.47	1.63	1.54	1.49	1.57	1.51	1.45	1.39
Number of Days Δ dv >= 1.0			5	3	0	10	8	4	8	7	5	1	11	10	10	19	12	10	15	12	10	8
Maximum Δ dv			1.93	1.36	0.00	4.33	2.96	1.87	3.60	2.82	1.96	1.03	2.42	1.94	1.71	4.49	3.14	2.09	3.77	2.99	2.16	1.63

Table C.9.34 Farson - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
3	1	3	-	-	-	-	-	-	-	-	-	-	1.48	1.43	1.38	1.68	1.55	1.46	1.59	1.49	1.40	1.30
7	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.17	-	-	1.07	-	-	-
22	1	22	2.21	1.57	1.06	4.88	3.37	2.14	4.08	3.20	2.24	1.19	2.43	1.80	1.31	5.05	3.56	2.36	4.26	3.40	2.46	1.43
23	1	23	1.43	1.02	-	2.75	1.86	1.09	2.26	1.74	1.19	-	2.11	1.73	1.40	3.34	2.51	1.80	2.88	2.40	1.90	1.37
28	1	28	1.35	1.00	-	2.74	1.90	1.20	2.25	1.73	1.19	-	2.52	2.21	1.96	3.77	3.02	2.39	3.33	2.87	2.38	1.87
29	1	29	1.85	1.38	-	3.64	2.57	1.63	3.01	2.34	1.62	-	2.47	2.04	1.65	4.17	3.15	2.26	3.57	2.93	2.26	1.53
41	2	10	-	-	-	1.10	-	-	-	-	-	-	-	-	-	1.28	-	-	1.08	-	-	-
43	2	12	-	-	-	1.04	-	-	-	-	-	-	-	-	-	1.47	1.14	-	1.28	1.08	-	-
86	3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	1.19	-	-	1.02	-	-	-
90	3	31	-	-	-	1.03	-	-	-	-	-	-	-	-	-	1.28	-	-	1.08	-	-	-
306	11	2	-	-	-	1.30	-	-	1.05	-	-	-	-	-	-	1.51	1.08	-	1.27	1.02	-	-
322	11	18	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-
332	11	28	-	-	-	1.69	1.18	-	1.37	1.05	-	-	-	-	-	1.92	1.42	1.02	1.61	1.29	-	-
354	12	20	-	-	-	1.95	1.25	-	1.59	1.21	-	-	1.12	-	-	2.16	1.48	-	1.81	1.44	1.06	-
355	12	21	2.06	1.50	1.01	3.79	2.59	1.59	3.14	2.44	1.69	-	2.68	2.15	1.70	4.32	3.18	2.24	3.70	3.04	2.34	1.58
356	12	22	-	-	-	1.24	-	-	1.00	-	-	-	-	-	-	1.45	1.03	-	1.22	-	-	-
357	12	23	-	-	-	1.83	1.25	-	1.49	1.14	-	-	1.58	1.33	1.12	2.38	1.84	1.38	2.06	1.73	1.39	1.03
358	12	24	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	-	-
359	12	25	-	-	-	-	-	-	-	-	-	-	1.49	1.36	1.25	1.86	1.58	1.36	1.69	1.52	1.35	1.17
360	12	26	-	-	-	-	-	-	-	-	-	-	1.45	1.32	1.19	1.75	1.50	1.28	1.58	1.41	1.23	1.05
363	12	29	-	-	-	-	-	-	-	-	-	-	1.71	1.65	1.63	1.81	1.72	1.66	1.74	1.67	1.61	1.54
Number of Days Δ dv >= 1.0			5	5	2	13	8	5	10	8	5	1	11	10	10	21	15	11	19	14	11	10
Maximum Δ dv			2.21	1.57	1.06	4.88	3.37	2.14	4.08	3.20	2.24	1.19	2.68	2.21	1.96	5.05	3.56	2.39	4.26	3.40	2.46	1.87

Table C.9.35 La Barge - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6	1	6	1.08	-	-	2.06	1.36	-	1.68	1.28	-	-	1.21	-	-	2.17	1.48	-	1.79	1.40	-	-
21	1	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.09	-	-	-	-	-	-
22	1	22	-	-	-	-	-	-	-	-	-	-	1.43	1.36	1.31	1.71	1.52	1.37	1.61	1.52	1.42	1.32
23	1	23	1.10	-	-	2.27	1.52	-	1.85	1.42	-	-	2.50	2.24	2.02	3.51	2.86	2.33	3.14	2.77	2.40	2.02
43	2	12	-	-	-	1.49	-	-	1.21	-	-	-	1.00	-	-	1.88	1.29	-	1.61	1.33	1.04	-
61	3	2	-	-	-	1.33	-	-	1.08	-	-	-	-	-	-	1.55	1.12	-	1.31	1.06	-	-
162	6	11	-	-	-	1.30	-	-	1.06	-	-	-	-	-	-	1.59	1.13	-	1.35	1.10	-	-
264	9	21	-	-	-	1.04	-	-	-	-	-	-	-	-	-	1.25	-	-	1.06	-	-	-
354	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.19	-	-	1.09	-	-	-
355	12	21	-	-	-	-	-	-	-	-	-	-	1.84	1.75	1.69	2.14	1.92	1.76	2.02	1.90	1.78	1.65
356	12	22	-	-	-	-	-	-	-	-	-	-	1.04	-	-	1.39	1.14	-	1.24	1.08	-	-
358	12	24	-	-	-	-	-	-	-	-	-	-	-	-	-	1.19	-	-	1.03	-	-	-
359	12	25	-	-	-	-	-	-	-	-	-	-	1.09	1.08	1.06	1.16	1.11	1.08	1.14	1.11	1.08	1.06
360	12	26	-	-	-	-	-	-	-	-	-	-	1.34	1.31	1.29	1.46	1.38	1.32	1.42	1.37	1.33	1.28
363	12	29	-	-	-	-	-	-	-	-	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.57
Number of Days Δ dv >= 1.0			2	0	0	6	2	0	5	2	0	0	9	6	6	15	11	6	14	11	7	6
Maximum Δ dv			1.10	0.00	0.00	2.27	1.52	0.00	1.85	1.42	0.00	0.00	2.50	2.24	2.02	3.51	2.86	2.33	3.14	2.77	2.40	2.02

Table C.9.36 La Barge - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6	1	6	1.25	-	-	2.35	1.56	-	1.92	1.48	1.01	-	1.39	1.03	-	2.48	1.69	1.12	2.05	1.61	1.15	-
21	1	21	-	-	-	-	-	-	-	-	-	-	1.02	-	-	1.26	1.07	-	1.12	-	-	-
22	1	22	-	-	-	-	-	-	-	-	-	-	1.64	1.57	1.50	1.96	1.75	1.58	1.85	1.74	1.63	1.51
23	1	23	1.27	-	-	2.59	1.74	1.02	2.12	1.63	1.12	-	2.85	2.56	2.31	3.97	3.25	2.66	3.57	3.15	2.74	2.30
43	2	12	-	-	-	1.72	1.02	-	1.39	1.06	-	-	1.16	-	-	2.16	1.50	1.07	1.85	1.53	1.21	-
61	3	2	-	-	-	1.53	1.02	-	1.24	-	-	-	-	-	-	1.79	1.30	-	1.51	1.22	-	-
162	6	11	-	-	-	1.21	-	-	-	-	-	-	-	-	-	1.47	1.05	-	1.25	1.02	-	-
264	9	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	-	-	-	-	-
354	12	20	-	-	-	-	-	-	-	-	-	-	1.09	1.00	-	1.32	1.10	-	1.22	1.11	-	-
355	12	21	-	-	-	-	-	-	-	-	-	-	2.04	1.95	1.88	2.37	2.12	1.96	2.24	2.11	1.97	1.83
356	12	22	-	-	-	-	-	-	-	-	-	-	1.16	1.04	-	1.54	1.27	1.06	1.37	1.20	1.02	-
357	12	23	-	-	-	-	-	-	-	-	-	-	-	-	-	1.09	-	-	-	-	-	-
358	12	24	-	-	-	-	-	-	-	-	-	-	-	-	-	1.32	1.00	-	1.14	-	-	-
359	12	25	-	-	-	-	-	-	-	-	-	-	1.22	1.20	1.18	1.29	1.24	1.20	1.26	1.24	1.21	1.18
360	12	26	-	-	-	-	-	-	-	-	-	-	1.49	1.45	1.43	1.62	1.53	1.47	1.57	1.52	1.48	1.43
363	12	29	-	-	-	-	-	-	-	-	-	-	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
Number of Days Δ dv >= 1.0			2	0	0	5	4	1	4	3	2	0	11	9	6	16	14	9	14	12	9	6
Maximum Δ dv			1.27	0.00	0.00	2.59	1.74	1.02	2.12	1.63	1.12	0.00	2.85	2.56	2.31	3.97	3.25	2.66	3.57	3.15	2.74	2.30

Table C.9.37 Merna - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	1	5	-	-	-	1.09	-	-	-	-	-	-	-	-	-	1.34	1.01	-	1.13	-	-	-
24	1	24	-	-	-	-	-	-	-	-	-	-	-	-	-	1.24	-	-	1.09	-	-	-
25	1	25	-	-	-	1.43	-	-	1.16	-	-	-	-	-	-	1.61	1.16	-	1.34	1.07	-	-
40	2	9	-	-	-	1.00	-	-	-	-	-	-	-	-	-	1.41	1.08	-	1.22	1.03	-	-
62	3	3	-	-	-	1.38	-	-	1.12	-	-	-	-	-	-	1.68	1.26	-	1.42	1.16	-	-
353	12	19	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	-	-	-	-	-
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.17	-	-	-	-	-	-
356	12	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	-	-	-	-
357	12	23	-	-	-	-	-	-	-	-	-	-	-	-	-	1.11	1.03	-	1.06	1.01	-	-
Number of Days Δ dv >= 1.0			0	0	0	4	0	0	2	0	0	0	0	0	0	9	5	0	6	4	0	0
Maximum Δ dv			0.00	0.00	0.00	1.43	0.00	0.00	1.16	0.00	0.00	0.00	0.00	0.00	0.00	1.68	1.26	0.00	1.42	1.16	0.00	0.00

Table C.9.38 Merna - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	1	5	-	-	-	1.25	-	-	1.01	-	-	-	-	-	-	1.54	1.16	-	1.31	1.07	-	-
24	1	24	-	-	-	-	-	-	-	-	-	-	1.04	-	-	1.43	1.11	-	1.25	1.07	-	-
25	1	25	-	-	-	1.64	1.13	-	1.34	1.02	-	-	-	-	-	1.84	1.34	-	1.54	1.23	-	-
40	2	9	-	-	-	1.16	-	-	-	-	-	-	1.07	-	-	1.62	1.25	-	1.41	1.20	-	-
62	3	3	-	-	-	1.60	1.10	-	1.30	-	-	-	1.09	-	-	1.93	1.45	-	1.64	1.35	1.04	-
353	12	19	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	-	-	1.05	-	-	-
354	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	-	-	-	-
355	12	21	-	-	-	1.03	-	-	-	-	-	-	-	-	-	1.30	-	-	1.11	-	-	-
356	12	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.14	-	-	1.00	-	-	-
357	12	23	-	-	-	-	-	-	-	-	-	-	1.11	1.07	1.04	1.23	1.14	1.08	1.18	1.13	1.08	1.03
Number of Days Δ dv >= 1.0			0	0	0	5	2	0	3	1	0	0	4	1	1	10	6	1	9	6	2	1
Maximum Δ dv			0.00	0.00	0.00	1.64	1.13	0.00	1.34	1.02	0.00	0.00	1.11	1.07	1.04	1.93	1.45	1.08	1.64	1.35	1.08	1.03

Table C.9.39 Pinedale - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
4	1	4	-	-	-	1.09	-	-	-	-	-	-	-	-	-	1.13	-	-	-	-	-	-
6	1	6	-	-	-	1.53	1.02	-	1.25	-	-	-	2.16	1.98	1.83	2.88	2.43	2.04	2.62	2.37	2.10	1.83
7	1	7	-	-	-	1.28	-	-	1.04	-	-	-	1.31	1.15	1.01	1.95	1.56	1.21	1.72	1.49	1.25	1.01
21	1	21	-	-	-	2.17	1.44	-	1.77	1.36	-	-	1.32	1.07	-	2.55	1.85	1.28	2.17	1.77	1.35	-
22	1	22	-	-	-	1.22	-	-	-	-	-	-	-	-	-	1.30	-	-	1.07	-	-	-
23	1	23	-	-	-	1.32	-	-	1.07	-	-	-	-	-	-	1.49	1.04	-	1.24	-	-	-
24	1	24	-	-	-	-	-	-	-	-	-	-	1.25	1.20	1.15	1.38	1.26	1.18	1.31	1.25	1.18	1.12
26	1	26	1.25	-	-	2.36	1.59	-	1.93	1.48	1.01	-	1.40	1.08	-	2.48	1.72	1.07	2.06	1.62	1.18	-
27	1	27	-	-	-	1.55	1.06	-	1.26	-	-	-	1.20	1.01	-	1.89	1.43	1.05	1.62	1.36	1.09	-
30	1	30	3.60	2.69	1.83	7.66	5.67	3.52	6.53	5.25	3.79	2.07	3.70	2.80	1.94	7.72	5.75	3.62	6.60	5.34	3.88	2.19
40	2	9	-	-	-	1.25	-	-	1.01	-	-	-	-	-	-	1.49	1.10	-	1.26	1.02	-	-
44	2	13	-	-	-	1.24	-	-	1.00	-	-	-	-	-	-	1.50	1.09	-	1.28	1.04	-	-
45	2	14	-	-	-	-	-	-	-	-	-	-	-	-	-	1.18	-	-	1.01	-	-	-
62	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-
87	3	28	-	-	-	1.06	-	-	-	-	-	-	-	-	-	1.34	1.05	-	1.14	-	-	-
109	4	19	-	-	-	1.67	1.08	-	1.36	1.03	-	-	-	-	-	1.70	1.11	-	1.38	1.06	-	-
112	4	22	-	-	-	1.22	-	-	-	-	-	-	-	-	-	1.42	-	-	1.19	-	-	-
351	12	17	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00	-	-	-	-	-	-
352	12	18	-	-	-	1.38	-	-	1.12	-	-	-	-	-	-	1.55	1.13	-	1.30	1.04	-	-
353	12	19	-	-	-	1.83	1.23	-	1.49	1.13	-	-	-	-	-	1.94	1.35	-	1.60	1.26	-	-
354	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	-	-
355	12	21	-	-	-	1.25	-	-	1.01	-	-	-	-	-	-	1.49	1.03	-	1.26	1.02	-	-
356	12	22	-	-	-	1.45	-	-	1.18	-	-	-	1.46	1.27	1.14	2.20	1.71	1.36	1.94	1.68	1.41	1.14
Number of Days Δ dv >= 1.0			2	1	1	18	7	1	14	5	2	1	8	8	5	23	16	8	19	14	8	5
Maximum Δ dv			3.60	2.69	1.83	7.66	5.67	3.52	6.53	5.25	3.79	2.07	3.70	2.80	1.94	7.72	5.75	3.62	6.60	5.34	3.88	2.19

Table C.9.40 Pinedale - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Each Preferred Alternative Modeling Scenario (1-20)

Julian Day	Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
4	1	4	-	-	-	1.26	-	-	1.02	-	-	-	-	-	-	1.30	-	-	1.06	-	-	-
6	1	6	-	-	-	1.76	1.18	-	1.43	1.09	-	-	2.46	2.27	2.10	3.27	2.77	2.33	2.99	2.70	2.40	2.09
7	1	7	-	-	-	1.48	-	-	1.20	-	-	-	1.51	1.33	1.17	2.23	1.79	1.39	1.98	1.71	1.44	1.16
20	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-
21	1	21	1.03	-	-	2.48	1.66	-	2.03	1.56	1.07	-	1.52	1.23	1.01	2.91	2.12	1.47	2.48	2.03	1.55	1.06
22	1	22	-	-	-	1.40	-	-	1.14	-	-	-	-	-	-	1.50	1.09	-	1.24	-	-	-
23	1	23	-	-	-	1.52	-	-	1.23	-	-	-	-	-	-	1.71	1.20	-	1.43	1.14	-	-
24	1	24	-	-	-	-	-	-	-	-	-	-	1.44	1.38	1.33	1.58	1.45	1.35	1.51	1.43	1.36	1.29
26	1	26	1.43	1.03	-	2.69	1.82	1.05	2.21	1.70	1.16	-	1.61	1.25	1.00	2.82	1.97	1.23	2.35	1.86	1.36	-
27	1	27	-	-	-	1.78	1.23	-	1.45	1.11	-	-	1.38	1.17	-	2.16	1.65	1.22	1.86	1.56	1.25	-
29	1	29	-	-	-	1.03	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	-	-
30	1	30	4.07	3.07	2.09	8.48	6.34	3.98	7.27	5.89	4.28	2.37	4.18	3.19	2.22	8.56	6.43	4.09	7.35	5.98	4.39	2.50
40	2	9	-	-	-	1.45	-	-	1.17	-	-	-	-	-	-	1.72	1.27	-	1.46	1.18	-	-
44	2	13	-	-	-	1.43	-	-	1.16	-	-	-	-	-	-	1.74	1.26	-	1.47	1.21	-	-
45	2	14	-	-	-	1.02	-	-	-	-	-	-	-	-	-	1.36	1.04	-	1.17	-	-	-
61	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	-	-	-	-
62	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1.17	-	-	-	-	-	-
87	3	28	-	-	-	1.23	-	-	-	-	-	-	-	-	-	1.55	1.22	-	1.32	1.09	-	-
109	4	19	-	-	-	1.52	-	-	1.23	-	-	-	-	-	-	1.54	1.01	-	1.26	-	-	-
112	4	22	-	-	-	1.11	-	-	-	-	-	-	-	-	-	1.29	-	-	1.08	-	-	-
325	11	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	-	-	-	-	-
351	12	17	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12	-	-	-	-	-	-
352	12	18	-	-	-	1.53	1.04	-	1.24	-	-	-	-	-	-	1.72	1.26	-	1.45	1.16	-	-
353	12	19	-	-	-	2.02	1.37	-	1.65	1.26	-	-	-	-	-	2.15	1.50	-	1.78	1.40	1.03	-
354	12	20	-	-	-	1.04	-	-	-	-	-	-	-	-	-	1.20	-	-	1.01	-	-	-
355	12	21	-	-	-	1.39	-	-	1.13	-	-	-	-	-	-	1.66	1.14	-	1.40	1.14	-	-
356	12	22	-	-	-	1.61	1.03	-	1.31	-	-	-	1.62	1.42	1.27	2.43	1.90	1.51	2.15	1.86	1.57	1.26
Number of Days Δ dv >= 1.0			3	2	1	21	8	2	16	6	3	1	8	8	7	27	18	8	21	15	9	6
Maximum Δ dv			4.07	3.07	2.09	8.48	6.34	3.98	7.27	5.89	4.28	2.37	4.18	3.19	2.22	8.56	6.43	4.09	7.35	5.98	4.39	2.50

Table C.10.1 - Summary of Maximum Modeled NO$_2$ Concentration Impacts (μg/m^3) at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources

Alternative	WDR	Bridger Wilderness Class I		Fitzpatrick Wilderness Class I		Popo Agie Wilderness Class II		Wind River Roadless Area Class II	
		Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]
		Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Low Emissions Cases	250	0.126	3.53	0.005	3.41	0.042	3.44	0.025	3.43
	150	0.087	3.49	0.004	3.40	0.030	3.43	0.018	3.42
	75	0.055	3.45	0.003	3.40	0.020	3.42	0.012	3.41
High Emissions Cases	250	0.306	3.71	0.012	3.41	0.097	3.50	0.058	3.46
	150	0.195	3.60	0.008	3.41	0.063	3.46	0.038	3.44
	75	0.101	3.50	0.004	3.40	0.038	3.44	0.021	3.42
Mitigation Runs	20[2]	0.245	3.65	0.009	3.41	0.077	3.48	0.046	3.45
	40[2]	0.184	3.58	0.007	3.41	0.058	3.46	0.035	3.43
	60[2]	0.123	3.52	0.005	3.40	0.039	3.44	0.023	3.42
	80[2]	0.061	3.46	0.002	3.40	0.019	3.42	0.012	3.41

Alternative	WDR	Grand Teton National Park Class I		Teton Wilderness Class I		Yellowstone National Park Class I		Washakie Wilderness Area Class I	
		Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]
		Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Low Emissions Cases	250	0.002	3.40	0.001	3.40	0.001	3.40	0.001	3.40
	150	0.001	3.40	0.001	3.40	0.000	3.40	0.001	3.40
	75	0.001	3.40	0.000	3.40	0.000	3.40	0.000	3.40
High Emissions Cases	250	0.003	3.40	0.002	3.40	0.001	3.40	0.002	3.40
	150	0.002	3.40	0.001	3.40	0.001	3.40	0.001	3.40
	75	0.001	3.40	0.001	3.40	0.000	3.40	0.001	3.40
Mitigation Runs	20[2]	0.003	3.40	0.001	3.40	0.001	3.40	0.002	3.40
	40[2]	0.002	3.40	0.001	3.40	0.001	3.40	0.001	3.40
	60[2]	0.001	3.40	0.001	3.40	0.000	3.40	0.001	3.40
	80[2]	0.001	3.40	0.000	3.40	0.000	3.40	0.000	3.40

[1] Total concentration includes direct modeled impact and background concentration for comparison to NAAQS/WAAQS which are 100 μg/m^3 on an annual basis.

[2] JIDP % Emissions Reductions

Table C.10.2 - Summary of Maximum Modeled Cumulative NO_2 Concentration Impacts ($\mu g/m^3$) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources

| | | Bridger Wilderness Class I | | Fitzpatrick Wilderness Class I | | Popo Agie Wilderness Class II | | Wind River Roadless Area Class II | |
| | | Direct Modeled Impact | Total Concentration[1] | Direct Modeled Impact | Total Concentration[1] | Direct Modeled Impact | Total Concentration[1] | Direct Modeled Impact | Total Concentration[1] |
Alternative	WDR	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Low Emissions Cases	250	0.237	3.64	0.016	3.42	0.068	3.47	0.049	3.45
	150	0.199	3.60	0.015	3.41	0.056	3.46	0.042	3.44
	75	0.167	3.57	0.014	3.41	0.046	3.45	0.036	3.44
High Emissions Cases	250	0.418	3.82	0.023	3.42	0.120	3.52	0.082	3.48
	150	0.307	3.71	0.019	3.42	0.087	3.49	0.062	3.46
	75	0.213	3.61	0.015	3.42	0.062	3.46	0.045	3.45
Mitigation Runs	20[2]	0.356	3.76	0.020	3.42	0.101	3.50	0.071	3.47
	40[2]	0.295	3.70	0.018	3.42	0.081	3.48	0.059	3.46
	60[2]	0.234	3.63	0.016	3.42	0.063	3.46	0.047	3.45
	80[2]	0.174	3.57	0.013	3.41	0.044	3.44	0.036	3.44

| | | Grand Teton National Park Class I | | Teton Wilderness Class I | | Yellowstone National Park Class I | | Washakie Wilderness Area Class I | |
| | | Direct Modeled Impact | Total Concentration[1] | Direct Modeled Impact | Total Concentration[1] | Direct Modeled Impact | Total Concentration[1] | Direct Modeled Impact | Total Concentration[1] |
Alternative	WDR	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Low Emissions Cases	250	0.030	3.43	0.007	3.41	0.003	3.40	0.010	3.41
	150	0.030	3.43	0.007	3.41	0.003	3.40	0.010	3.41
	75	0.029	3.43	0.007	3.41	0.003	3.40	0.010	3.41
High Emissions Cases	250	0.032	3.43	0.007	3.41	0.004	3.40	0.010	3.41
	150	0.031	3.43	0.007	3.41	0.003	3.40	0.010	3.41
	75	0.030	3.43	0.007	3.41	0.003	3.40	0.010	3.41
Mitigation Runs	20[2]	0.031	3.43	0.007	3.41	0.003	3.40	0.010	3.41
	40[2]	0.031	3.43	0.007	3.41	0.003	3.40	0.010	3.41
	60[2]	0.030	3.43	0.007	3.41	0.003	3.40	0.010	3.41
	80[2]	0.029	3.43	0.007	3.41	0.003	3.40	0.010	3.41

[1] Total concentration includes direct modeled impact and background concentration for comparison to NAAQS/WAAQS which are 100 $\mu g/m^3$ on an annual basis.

[2] JIDP % Emissions Reductions

Table C.10.3 - Summary of Maximum Modeled SO_2 Concentration ($\mu g/m^3$) at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources

		Bridger Wilderness Class I						Fitzpatrick Wilderness Class I						Popo Agie Wilderness Class II						Wind River Roadless Area Class II					
		Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]		
Alternative	WDR	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual
Low Emissions Cases	250	0.254	0.079	0.004	132.25	43.08	9.00	0.021	0.006	0.000	132.02	43.01	9.00	0.090	0.014	0.001	132.09	43.01	9.00	0.041	0.011	0.001	132.04	43.01	9.00
	150	0.157	0.050	0.002	132.16	43.05	9.00	0.014	0.004	0.000	132.01	43.00	9.00	0.060	0.009	0.001	132.06	43.01	9.00	0.026	0.007	0.001	132.03	43.01	9.00
	75	0.081	0.024	0.001	132.08	43.02	9.00	0.007	0.002	0.000	132.01	43.00	9.00	0.029	0.005	0.000	132.03	43.01	9.00	0.012	0.004	0.000	132.01	43.00	9.00
High Emissions Cases	250	1.232	0.382	0.019	133.23	43.38	9.02	0.102	0.028	0.001	132.10	43.03	9.00	0.437	0.068	0.006	132.44	43.07	9.01	0.196	0.055	0.004	132.20	43.06	9.00
	150	0.750	0.237	0.012	132.75	43.24	9.01	0.065	0.018	0.001	132.06	43.02	9.00	0.292	0.045	0.004	132.29	43.04	9.00	0.124	0.034	0.002	132.12	43.03	9.00
	75	0.382	0.113	0.005	132.38	43.11	9.01	0.033	0.009	0.000	132.03	43.01	9.00	0.142	0.027	0.002	132.14	43.03	9.00	0.059	0.019	0.001	132.06	43.02	9.00
Mitigation Runs	20[2]	0.985	0.306	0.015	132.99	43.31	9.02	0.082	0.022	0.001	132.08	43.02	9.00	0.350	0.055	0.005	132.35	43.05	9.00	0.156	0.044	0.003	132.16	43.04	9.00
	40[2]	0.739	0.229	0.012	132.74	43.23	9.01	0.061	0.017	0.001	132.06	43.02	9.00	0.262	0.041	0.004	132.26	43.04	9.00	0.117	0.033	0.002	132.12	43.03	9.00
	60[2]	0.493	0.153	0.008	132.49	43.15	9.01	0.041	0.011	0.000	132.04	43.01	9.00	0.175	0.027	0.002	132.17	43.03	9.00	0.078	0.022	0.002	132.08	43.02	9.00
	80[2]	0.246	0.076	0.004	132.25	43.08	9.00	0.020	0.006	0.000	132.02	43.01	9.00	0.087	0.014	0.001	132.09	43.01	9.00	0.039	0.011	0.001	132.04	43.01	9.00

		Grand Teton National Park Class I						Teton Wilderness Class I						Yellowstone National Park Class I						Washakie Wilderness Area Class I					
		Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]		
Alternative	WDR	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual
Low Emissions Cases	250	0.009	0.003	0.000	132.01	43.00	9.00	0.008	0.001	0.000	132.01	43.00	9.00	0.003	0.001	0.000	132.00	43.00	9.00	0.007	0.002	0.000	132.01	43.00	9.00
	150	0.005	0.002	0.000	132.01	43.00	9.00	0.005	0.001	0.000	132.00	43.00	9.00	0.002	0.001	0.000	132.00	43.00	9.00	0.004	0.001	0.000	132.00	43.00	9.00
	75	0.003	0.001	0.000	132.00	43.00	9.00	0.003	0.000	0.000	132.00	43.00	9.00	0.001	0.000	0.000	132.00	43.00	9.00	0.003	0.001	0.000	132.00	43.00	9.00
High Emissions Cases	250	0.041	0.012	0.000	132.04	43.01	9.00	0.038	0.007	0.000	132.04	43.01	9.00	0.015	0.005	0.000	132.02	43.00	9.00	0.031	0.011	0.000	132.03	43.01	9.00
	150	0.025	0.008	0.000	132.03	43.01	9.00	0.023	0.004	0.000	132.02	43.00	9.00	0.009	0.003	0.000	132.01	43.00	9.00	0.020	0.006	0.000	132.02	43.01	9.00
	75	0.013	0.004	0.000	132.01	43.00	9.00	0.012	0.002	0.000	132.01	43.00	9.00	0.005	0.001	0.000	132.00	43.00	9.00	0.011	0.003	0.000	132.01	43.00	9.00
Mitigation Runs	20[2]	0.033	0.010	0.000	132.03	43.01	9.00	0.031	0.006	0.000	132.03	43.01	9.00	0.012	0.004	0.000	132.01	43.00	9.00	0.024	0.009	0.000	132.02	43.01	9.00
	40[2]	0.025	0.007	0.000	132.02	43.01	9.00	0.023	0.004	0.000	132.02	43.00	9.00	0.009	0.003	0.000	132.01	43.00	9.00	0.018	0.006	0.000	132.02	43.01	9.00
	60[2]	0.017	0.005	0.000	132.02	43.00	9.00	0.015	0.003	0.000	132.02	43.00	9.00	0.006	0.002	0.000	132.01	43.00	9.00	0.012	0.004	0.000	132.01	43.00	9.00
	80[2]	0.008	0.002	0.000	132.01	43.00	9.00	0.008	0.001	0.000	132.01	43.00	9.00	0.003	0.001	0.000	132.00	43.00	9.00	0.006	0.002	0.000	132.01	43.00	9.00

[1]   Total concentration includes direct modeled impact and background concentration for comparison with NAAQS/WAAQS which are 1,300 $\mu g/m^3$ on a 3-hour basis, 365/260 $\mu g/m^3$ on a 24-hour basis

$\mu g/m^3$ on an annual basis.

2   20, 40, 60, and 80% Emissions Reductions

Table C.10.4 - Summary of Maximum Modeled Cumulative SO_2 Concentration ($\mu g/m^3$) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources

| | | Bridger Wilderness Class I | | | | | | Fitzpatrick Wilderness Class I | | | | | | Popo Agie Wilderness Class II | | | | | | Wind River Roadless Area Class II | | | | | |
| | | Direct Modeled Impact | | | Total Concentration[1] | | | Direct Modeled Impact | | | Total Concentration[1] | | | Direct Modeled Impact | | | Total Concentration[1] | | | Direct Modeled Impact | | | Total Concentration[1] | | |
Alternative	WDR	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Amual
Low Emissions Cases	250	0.269	0.086	0.000	132.27	43.09	9.00	0.023	0.007	0.000	132.02	43.01	9.00	0.091	0.016	0.000	132.09	43.02	9.00	0.118	0.015	0.000	132.12	43.01	9.00
	150	0.170	0.056	0.000	132.17	43.06	9.00	0.020	0.007	0.000	132.02	43.01	9.00	0.062	0.011	0.000	132.06	43.01	9.00	0.110	0.014	0.000	132.11	43.01	9.00
	75	0.167	0.042	0.000	132.17	43.04	9.00	0.020	0.006	0.000	132.02	43.01	9.00	0.032	0.010	0.000	132.03	43.01	9.00	0.110	0.014	0.000	132.11	43.01	9.00
High Emissions Cases	250	**1.246**	**0.388**	0.014	133.25	43.39	9.01	0.086	0.023	0.000	132.09	43.02	9.00	0.438	0.070	0.002	132.44	43.07	9.00	0.196	0.046	0.001	132.20	43.05	9.00
	150	0.765	**0.243**	0.006	132.76	43.24	9.01	0.054	0.014	0.000	132.05	43.01	9.00	0.294	0.047	0.000	132.29	43.05	9.00	0.124	0.025	0.000	132.12	43.03	9.00
	75	0.395	0.119	0.000	132.39	43.12	9.00	0.029	0.008	0.000	132.03	43.01	9.00	0.144	0.028	0.000	132.14	43.03	9.00	0.110	0.014	0.000	132.11	43.01	9.00
Mitigation Runs	20[2]	1.000	**0.312**	0.010	133.00	43.31	9.01	0.069	0.019	0.000	132.07	43.02	9.00	0.351	0.056	0.001	132.35	43.06	9.00	0.157	0.035	0.000	132.16	43.04	9.00
	40[2]	0.753	**0.236**	0.006	132.75	43.24	9.01	0.052	0.014	0.000	132.05	43.01	9.00	0.263	0.043	0.000	132.26	43.04	9.00	0.133	0.024	0.000	132.13	43.02	9.00
	60[2]	0.507	0.159	0.002	132.51	43.16	9.00	0.034	0.009	0.000	132.03	43.01	9.00	0.176	0.029	0.000	132.18	43.03	9.00	0.125	0.016	0.000	132.13	43.02	9.00
	80[2]	0.261	0.083	0.000	132.26	43.08	9.00	0.023	0.007	0.000	132.02	43.01	9.00	0.089	0.016	0.000	132.09	43.02	9.00	0.117	0.015	0.000	132.12	43.01	9.00

| | | Grand Teton National Park Class I | | | | | | Teton Wilderness Class I | | | | | | Yellowstone National Park Class I | | | | | | Washakie Wilderness Area Class I | | | | | |
| | | Direct Modeled Impact | | | Total Concentration[1] | | | Direct Modeled Impact | | | Total Concentration[1] | | | Direct Modeled Impact | | | Total Concentration[1] | | | Direct Modeled Impact | | | Total Concentration[1] | | |
Alternative	WDR	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual
Low Emissions Cases	250	0.201	0.038	0.007	132.20	43.04	9.01	0.037	0.012	0.001	132.04	43.01	9.00	0.075	0.013	0.001	132.07	43.01	9.00	0.022	0.008	0.000	132.02	43.01	9.00
	150	0.201	0.038	0.007	132.20	43.04	9.01	0.037	0.012	0.001	132.04	43.01	9.00	0.075	0.013	0.001	132.07	43.01	9.00	0.022	0.008	0.000	132.02	43.01	9.00
	75	0.201	0.038	0.007	132.20	43.04	9.01	0.037	0.012	0.001	132.04	43.01	9.00	0.075	0.013	0.001	132.07	43.01	9.00	0.022	0.008	0.000	132.02	43.01	9.00
High Emissions Cases	250	0.201	0.038	0.007	132.20	43.04	9.01	0.043	0.012	0.001	132.04	43.01	9.00	0.075	0.013	0.001	132.07	43.01	9.00	0.022	0.010	0.000	132.02	43.01	9.00
	150	0.201	0.038	0.007	132.20	43.04	9.01	0.037	0.012	0.001	132.04	43.01	9.00	0.075	0.013	0.001	132.07	43.01	9.00	0.022	0.008	0.000	132.02	43.01	9.00
	75	0.201	0.038	0.007	132.20	43.04	9.01	0.037	0.012	0.001	132.04	43.01	9.00	0.075	0.013	0.001	132.07	43.01	9.00	0.022	0.008	0.000	132.02	43.01	9.00
Mitigation Runs	20[2]	0.201	0.038	0.007	132.20	43.04	9.01	0.037	0.012	0.001	132.04	43.01	9.00	0.075	0.013	0.001	132.07	43.01	9.00	0.022	0.008	0.000	132.02	43.01	9.00
	40[2]	0.201	0.038	0.007	132.20	43.04	9.01	0.037	0.012	0.001	132.04	43.01	9.00	0.075	0.013	0.001	132.07	43.01	9.00	0.022	0.008	0.000	132.02	43.01	9.00
	60[2]	0.201	0.038	0.007	132.20	43.04	9.01	0.037	0.012	0.001	132.04	43.01	9.00	0.075	0.013	0.001	132.07	43.01	9.00	0.022	0.008	0.000	132.02	43.01	9.00
	80[2]	0.201	0.038	0.007	132.20	43.04	9.01	0.037	0.012	0.001	132.04	43.01	9.00	0.075	0.013	0.001	132.07	43.01	9.00	0.022	0.008	0.000	132.02	43.01	9.00

[1] Total concentration includes direct modeled impact and background concentration for comparison with NAAQS/WAAQS which are 1,300 $\mu g/m^3$ on a 3-hour basis, 365/260 $\mu g/m^3$ on a 24-hour basis

   $\mu g/m^3$ on an annual basis.

and 80/60% Emissions Reductions

Table C.10.5 - Summary of Maximum Modeled PM$_{10}$ Concentration Impacts (μg/m^3) at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources

		Bridger Wilderness Class I				Fitzpatrick Wilderness Class I				Popo Agie Wilderness Class II				Wind River Roadless Area Class II			
		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]	
Alternative	WDR	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Low Emissions Case	250	1.502	0.058	34.50	16.06	0.168	0.006	33.17	16.01	0.237	0.016	33.24	16.02	0.182	0.012	33.18	16.01
	150	1.195	0.047	34.19	16.05	0.128	0.005	33.13	16.00	0.201	0.013	33.20	16.01	0.157	0.010	33.16	16.01
	75	0.937	0.038	33.94	16.04	0.097	0.004	33.10	16.00	0.171	0.010	33.17	16.01	0.137	0.008	33.14	16.01
High Emissions Case	250	3.165	0.117	36.17	16.12	0.396	0.012	33.40	16.01	0.414	0.034	33.41	16.03	0.319	0.023	33.32	16.02
	150	2.199	0.082	35.20	16.08	0.264	0.008	33.26	16.01	0.296	0.023	33.30	16.02	0.215	0.016	33.21	16.02
	75	1.393	0.054	34.39	16.05	0.161	0.005	33.16	16.01	0.211	0.015	33.21	16.02	0.156	0.011	33.16	16.01
Mitigation Runs	20[2]	2.532	0.094	35.53	16.09	0.317	0.009	33.32	16.01	0.331	0.027	33.33	16.03	0.255	0.018	33.26	16.02
	40[2]	1.899	0.070	34.90	16.07	0.238	0.007	33.24	16.01	0.248	0.020	33.25	16.02	0.191	0.014	33.19	16.01
	60[2]	1.266	0.047	34.27	16.05	0.158	0.005	33.16	16.00	0.165	0.013	33.17	16.01	0.128	0.009	33.13	16.01
	80[2]	0.633	0.023	33.63	16.02	0.079	0.002	33.08	16.00	0.083	0.007	33.08	16.01	0.064	0.005	33.06	16.00

		Grand Teton National Park Class I				Teton Wilderness Class I				Yellowstone National Park Class I				Washakie Wilderness Area Class I			
		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]	
Alternative	WDR	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Low Emissions Case	250	0.088	0.003	33.09	16.00	0.040	0.002	33.04	16.00	0.041	0.001	33.04	16.00	0.072	0.002	33.07	16.00
	150	0.067	0.002	33.07	16.00	0.031	0.001	33.03	16.00	0.031	0.001	33.03	16.00	0.055	0.001	33.05	16.00
	75	0.048	0.001	33.05	16.00	0.027	0.001	33.03	16.00	0.022	0.001	33.02	16.00	0.040	0.001	33.04	16.00
High Emissions Case	250	0.182	0.005	33.18	16.01	0.081	0.003	33.08	16.00	0.081	0.002	33.08	16.00	0.145	0.004	33.15	16.00
	150	0.125	0.004	33.12	16.00	0.055	0.002	33.05	16.00	0.055	0.001	33.05	16.00	0.100	0.003	33.10	16.00
	75	0.077	0.002	33.08	16.00	0.034	0.001	33.03	16.00	0.033	0.001	33.03	16.00	0.061	0.002	33.06	16.00
Mitigation Runs	20[2]	0.146	0.004	33.15	16.00	0.065	0.003	33.06	16.00	0.065	0.002	33.06	16.00	0.116	0.003	33.12	16.00
	40[2]	0.109	0.003	33.11	16.00	0.049	0.002	33.05	16.00	0.049	0.001	33.05	16.00	0.087	0.002	33.09	16.00
	60[2]	0.073	0.002	33.07	16.00	0.032	0.001	33.03	16.00	0.032	0.001	33.03	16.00	0.058	0.002	33.06	16.00
	80[2]	0.036	0.001	33.04	16.00	0.016	0.001	33.02	16.00	0.016	0.000	33.02	16.00	0.029	0.001	33.03	16.00

[1] Total Concentration includes direct modeled impact and background concentration for comparison to NAAQS/WAAQS whaich are 150 μg/m^3 on a 24-hour basis and 50 μg/m^3 on an annual basis.

[2] JIDP % Emissions Reductions

Table C.10.6 - Summary of Maximum Modeled Cumulative PM$_{10}$ Concentration Impacts (μg/m^3) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources

		Bridger Wilderness Class I				Fitzpatrick Wilderness Class I				Popo Agie Wilderness Class II				Wind River Roadless Area		Class II	
		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]	
Alternative	WDR	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Low Emissions Case	250	1.661	0.075	34.66	16.08	0.195	0.011	33.20	16.01	0.293	0.022	33.29	16.02	0.287	0.020	33.29	16.02
	150	1.354	0.064	34.35	16.06	0.172	0.010	33.17	16.01	0.256	0.019	33.26	16.02	0.264	0.017	33.26	16.02
	75	1.096	0.055	34.10	16.06	0.161	0.009	33.16	16.01	0.226	0.017	33.23	16.02	0.245	0.016	33.24	16.02
High Emissions Case	250	3.319	0.134	36.32	16.13	0.406	0.017	33.41	16.02	0.462	0.040	33.46	16.04	0.371	0.031	33.37	16.03
	150	2.353	0.099	35.35	16.10	0.273	0.013	33.27	16.01	0.351	0.029	33.35	16.03	0.316	0.024	33.32	16.02
	75	1.547	0.071	34.55	16.07	0.179	0.010	33.18	16.01	0.266	0.021	33.27	16.02	0.270	0.019	33.27	16.02
Mitigation Runs	20[2]	2.686	0.111	35.69	16.11	0.326	0.014	33.33	16.01	0.379	0.033	33.38	16.03	0.335	0.026	33.34	16.03
	40[2]	2.053	0.087	35.05	16.09	0.247	0.012	33.25	16.01	0.297	0.026	33.30	16.03	0.300	0.022	33.30	16.02
	60[2]	1.420	0.064	34.42	16.06	0.173	0.010	33.17	16.01	0.222	0.020	33.22	16.02	0.265	0.017	33.26	16.02
	80[2]	0.787	0.041	33.79	16.04	0.151	0.007	33.15	16.01	0.180	0.013	33.18	16.01	0.230	0.012	33.23	16.01

		Grand Teton National Park Class I				Teton Wilderness Class I				Yellowstone National Park		Class I		Washakie Wilderness Area Class I			
		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]	
Alternative	WDR	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Low Emissions Case	250	0.136	0.015	33.14	16.01	0.077	0.006	33.08	16.01	0.062	0.005	33.06	16.00	0.087	0.005	33.09	16.00
	150	0.133	0.014	33.13	16.01	0.067	0.006	33.07	16.01	0.056	0.005	33.06	16.00	0.070	0.004	33.07	16.00
	75	0.129	0.014	33.13	16.01	0.060	0.006	33.06	16.01	0.052	0.004	33.05	16.00	0.059	0.004	33.06	16.00
High Emissions Case	250	0.227	0.018	33.23	16.02	0.120	0.008	33.12	16.01	0.098	0.006	33.10	16.01	0.160	0.007	33.16	16.01
	150	0.170	0.016	33.17	16.02	0.093	0.007	33.09	16.01	0.071	0.005	33.07	16.01	0.115	0.006	33.11	16.01
	75	0.130	0.015	33.13	16.01	0.073	0.006	33.07	16.01	0.058	0.005	33.06	16.00	0.077	0.005	33.08	16.00
Mitigation Runs	20[2]	0.190	0.016	33.19	16.02	0.104	0.007	33.10	16.01	0.082	0.005	33.08	16.01	0.131	0.006	33.13	16.01
	40[2]	0.154	0.015	33.15	16.02	0.088	0.007	33.09	16.01	0.067	0.005	33.07	16.00	0.103	0.005	33.10	16.01
	60[2]	0.129	0.014	33.13	16.01	0.072	0.006	33.07	16.01	0.058	0.005	33.06	16.00	0.074	0.004	33.07	16.00
	80[2]	0.125	0.013	33.13	16.01	0.056	0.006	33.06	16.01	0.050	0.004	33.05	16.00	0.054	0.004	33.05	16.00

[1]   Total Concentration includes direct modeled impact and background concentration for comparison to NAAQS/WAAQS whaich are 150 μg/m^3 on a 24-hour basis and 50 μg/m^3 on an annual basis.

[2]   JIDP % Emissions Reductions

Table C.10.7 - Summary of Maximum Modeled PM$_{2.5}$ Concentration Impacts (μg/m^3) at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources

Alternative	WDR	Bridger Wilderness Class I				Fitzpatrick Wilderness Class I				Popo Agie Wilderness Class II				Wind River Roadless Area Class II			
		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]	
		24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Low Emissions Case	250	1.502	0.058	14.50	5.06	0.168	0.006	13.17	5.01	0.237	0.016	13.24	5.02	0.182	0.012	13.18	5.01
	150	1.195	0.047	14.19	5.05	0.128	0.005	13.13	5.00	0.201	0.013	13.20	5.01	0.157	0.010	13.16	5.01
	75	0.937	0.038	13.94	5.04	0.097	0.004	13.10	5.00	0.171	0.010	13.17	5.01	0.137	0.008	13.14	5.01
High Emissions Case	250	3.165	0.117	16.17	5.12	0.396	0.012	13.40	5.01	0.414	0.034	13.41	5.03	0.319	0.023	13.32	5.02
	150	2.199	0.082	15.20	5.08	0.264	0.008	13.26	5.01	0.296	0.023	13.30	5.02	0.215	0.016	13.21	5.02
	75	1.393	0.054	14.39	5.05	0.161	0.005	13.16	5.01	0.211	0.015	13.21	5.02	0.156	0.011	13.16	5.01
Mitigation Runs	20[2]	2.532	0.094	15.53	5.09	0.317	0.009	13.32	5.01	0.331	0.027	13.33	5.03	0.255	0.018	13.26	5.02
	40[2]	1.899	0.070	14.90	5.07	0.238	0.007	13.24	5.01	0.248	0.020	13.25	5.02	0.191	0.014	13.19	5.01
	60[2]	1.266	0.047	14.27	5.05	0.158	0.005	13.16	5.00	0.165	0.013	13.17	5.01	0.128	0.009	13.13	5.01
	80[2]	0.633	0.023	13.63	5.02	0.079	0.002	13.08	5.00	0.083	0.007	13.08	5.01	0.064	0.005	13.06	5.00

Alternative	WDR	Grand Teton National Park Class I				Teton Wilderness Class I				Yellowstone National Park Class I				Washakie Wilderness Area Class I			
		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]	
		24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Low Emissions Case	250	0.088	0.003	13.09	5.00	0.040	0.002	13.04	5.00	0.041	0.001	13.04	5.00	0.072	0.002	13.07	5.00
	150	0.067	0.002	13.07	5.00	0.031	0.001	13.03	5.00	0.031	0.001	13.03	5.00	0.055	0.001	13.05	5.00
	75	0.048	0.001	13.05	5.00	0.027	0.001	13.03	5.00	0.022	0.001	13.02	5.00	0.040	0.001	13.04	5.00
High Emissions Case	250	0.182	0.005	13.18	5.01	0.081	0.003	13.08	5.00	0.081	0.002	13.08	5.00	0.145	0.004	13.15	5.00
	150	0.125	0.004	13.12	5.00	0.055	0.002	13.05	5.00	0.055	0.001	13.05	5.00	0.100	0.003	13.10	5.00
	75	0.077	0.002	13.08	5.00	0.034	0.001	13.03	5.00	0.033	0.001	13.03	5.00	0.061	0.002	13.06	5.00
Mitigation Runs	20[2]	0.146	0.004	13.15	5.00	0.065	0.003	13.06	5.00	0.065	0.002	13.06	5.00	0.116	0.003	13.12	5.00
	40[2]	0.109	0.003	13.11	5.00	0.049	0.002	13.05	5.00	0.049	0.001	13.05	5.00	0.087	0.002	13.09	5.00
	60[2]	0.073	0.002	13.07	5.00	0.032	0.001	13.03	5.00	0.032	0.001	13.03	5.00	0.058	0.002	13.06	5.00
	80[2]	0.036	0.001	13.04	5.00	0.016	0.001	13.02	5.00	0.016	0.000	13.02	5.00	0.029	0.001	13.03	5.00

[1] Total concentration includes direct modeled impact and background concentration for comparison to NAAQS/WAAQS which are 65 μg/m^3 on a 24-hour basis and 15 μg/m^3 on an annual basis.

[2] JIDP % Emissions Reductions

Table C.10.8 - Summary of Maximum Modeled Cumulative PM$_{2.5}$ Concentration Impacts (μg/m^3) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources

| | | Bridger Wilderness Class I | | | | Fitzpatrick Wilderness Class I | | | | Popo Agie Wilderness Class II | | | | Wind River Roadless Area Class II | | | |
| | | Direct Modeled Impact | | Total Concentration[1] | | Direct Modeled Impact | | Total Concentration[1] | | Direct Modeled Impact | | Total Concentration[1] | | Direct Modeled Impact | | Total Concentration[1] | |
Alternative	WDR	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Low Emissions Case	250	1.659	0.076	14.66	5.08	0.195	0.012	13.20	5.01	0.291	0.025	13.29	5.03	0.278	0.021	13.28	5.02
	150	1.351	0.065	14.35	5.07	0.166	0.010	13.17	5.01	0.254	0.021	13.25	5.02	0.255	0.019	13.26	5.02
	75	1.094	0.056	14.09	5.06	0.155	0.009	13.16	5.01	0.224	0.019	13.22	5.02	0.236	0.017	13.24	5.02
High Emissions Case	250	3.317	0.135	16.32	5.14	0.406	0.017	13.41	5.02	0.460	0.042	13.46	5.04	0.361	0.032	13.36	5.03
	150	2.351	0.100	15.35	5.10	0.273	0.014	13.27	5.01	0.349	0.032	13.35	5.03	0.306	0.025	13.31	5.03
	75	1.545	0.072	14.54	5.07	0.179	0.011	13.18	5.01	0.264	0.024	13.26	5.02	0.261	0.020	13.26	5.02
Mitigation Runs	20 [2]	2.684	0.112	15.68	5.11	0.326	0.015	13.33	5.02	0.377	0.036	13.38	5.04	0.326	0.027	13.33	5.03
	40 [2]	2.051	0.088	15.05	5.09	0.247	0.013	13.25	5.01	0.295	0.029	13.29	5.03	0.291	0.023	13.29	5.02
	60 [2]	1.418	0.065	14.42	5.06	0.169	0.010	13.17	5.01	0.216	0.022	13.22	5.02	0.256	0.018	13.26	5.02
	80 [2]	0.785	0.042	13.79	5.04	0.145	0.008	13.14	5.01	0.170	0.015	13.17	5.02	0.221	0.014	13.22	5.01

| | | Grand Teton National Park Class I | | | | Teton Wilderness Class I | | | | Yellowstone National Park Class I | | | | Washakie Wilderness Area Class I | | | |
| | | Direct Modeled Impact | | Total Concentration[1] | | Direct Modeled Impact | | Total Concentration[1] | | Direct Modeled Impact | | Total Concentration[1] | | Direct Modeled Impact | | Total Concentration[1] | |
Alternative	WDR	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Low Emissions Case	250	0.134	0.015	13.13	5.02	0.073	0.007	13.07	5.01	0.060	0.005	13.06	5.01	0.087	0.005	13.09	5.01
	150	0.125	0.015	13.13	5.01	0.063	0.006	13.06	5.01	0.055	0.005	13.06	5.00	0.070	0.005	13.07	5.00
	75	0.122	0.014	13.12	5.01	0.056	0.006	13.06	5.01	0.051	0.005	13.05	5.00	0.059	0.004	13.06	5.00
High Emissions Case	250	0.229	0.018	13.23	5.02	0.117	0.008	13.12	5.01	0.100	0.006	13.10	5.01	0.160	0.007	13.16	5.01
	150	0.171	0.016	13.17	5.02	0.089	0.007	13.09	5.01	0.074	0.005	13.07	5.01	0.115	0.006	13.11	5.01
	75	0.123	0.015	13.12	5.02	0.069	0.007	13.07	5.01	0.057	0.005	13.06	5.00	0.077	0.005	13.08	5.00
Mitigation Runs	20 [2]	0.192	0.017	13.19	5.02	0.100	0.008	13.10	5.01	0.084	0.006	13.08	5.01	0.131	0.006	13.13	5.01
	40 [2]	0.156	0.016	13.16	5.02	0.084	0.007	13.08	5.01	0.068	0.005	13.07	5.01	0.103	0.006	13.10	5.01
	60 [2]	0.121	0.015	13.12	5.01	0.068	0.007	13.07	5.01	0.057	0.005	13.06	5.00	0.074	0.005	13.07	5.00
	80 [2]	0.118	0.014	13.12	5.01	0.052	0.006	13.05	5.01	0.050	0.004	13.05	5.00	0.054	0.004	13.05	5.00

[1] Total concentration includes direct modeled impact and background concentration for comparison to NAAQS/WAAQS which are 65 μg/m^3 on a 24-hour basis and 15 μg/m^3 on an annual basis.

[2] JIDP % Emissions Reductions

Table C.10.9 - Summary of Maximum Modeled In-field Pollutant Concentrations ($\mu g/m^3$) from Direct Project Sources Within the JIDPA Compared to NAAQS/WAAQS

| | | NO$_2$ | | | SO$_2$ | | | | | | | | | | PM$_{10}$ | | | | | | PM$_{2.5}$ | | | | | |
| | | Direct Modeled Impact | Total Concentration[1] | NAAQS/WAAQS | Direct Modeled Impact | | | Total Concentration[1] | | | NAAQS/WAAQS | | | Direct Modeled Impact | | Total Concentration[1] | | NAAQS/WAAQS | | Direct Modeled Impact | | Total Concentration[1] | | NAAQS/WAAQS | |
Alternative	WDR	Annual	Annual	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Low Emissions Case	250	13.0	16.4	100	20.3	4.1	0.4	152.3	47.1	9.4	1,300	365/260	80/60	113.0	15.8	146.0	31.8	150	50	21.3	2.9	34.3	7.9	65	15
	150	11.5	14.9	100	15.4	3.8	0.4	147.4	46.8	9.4	1,300	365/260	80/60	103.8	14.6	136.8	30.6	150	50	19.2	2.6	32.2	7.6	65	15
	75	9.6	13.0	100	15.4	3.8	0.3	147.4	46.8	9.3	1,300	365/260	80/60	97.0	13.6	130.0	29.6	150	50	17.7	2.4	30.7	7.4	65	15
High Emissions Case	250	34.2	37.6	100	99.9	20.3	2.0	231.9	63.3	11.0	1,300	365/260	80/60	116.1	17.5	149.1	33.5	150	50	25.2	4.7	38.2	9.7	65	15
	150	30.7	34.1	100	75.8	18.5	1.8	207.8	61.5	10.8	1,300	365/260	80/60	104.9	16.1	137.9	32.1	150	50	22.0	4.2	35.0	9.2	65	15
	75	24.8	28.2	100	75.8	18.5	1.4	207.8	61.5	10.4	1,300	365/260	80/60	97.1	14.9	130.1	30.9	150	50	21.9	3.8	34.9	8.8	65	15
Mitigation Runs	20[2]	27.3	30.7	100	79.9	16.2	1.6	211.9	59.2	10.6	1,300	365/260	80/60	92.9	14.0	125.9	30.0	150	50	20.1	3.7	33.1	8.7	65	15
	40[2]	20.5	23.9	100	59.9	12.2	1.2	191.9	55.2	10.2	1,301	365/261	80/61	69.7	10.5	102.7	26.5	150	50	15.1	2.8	28.1	7.8	65	15
	60[2]	13.7	17.1	100	39.9	8.1	0.8	171.9	51.1	9.8	1,300	365/260	80/60	46.5	7.0	79.5	23.0	150	50	10.1	1.9	23.1	6.9	65	15
	80[2]	6.8	10.2	100	20.0	4.1	0.4	152.0	47.1	9.4	1,300	365/260	80/60	23.2	3.5	56.2	19.5	150	50	5.0	0.9	18.0	5.9	65	15

[1] Total concentration includes direct modeled impact and background concentration.
[2] JIDP % Emissions Reductions

Table C.10.10 - Summary of Maximum Modeled Cumulative In-field Pollutant Concentrations ($\mu g/m^3$) from Direct Project and Regional Sources Within the JIDPA Compared to NAAQS/WAAQS

| | | NO$_2$ | | | SO$_2$ | | | | | | | | | PM$_{10}$ | | | | | | PM$_{2.5}$ | | | | | |
| | | Direct Modeled Impact | Total Concentration[1] | NAAQS/WAAQS | Direct Modeled Impact | | | Total Concentration[1] | | | NAAQS/WAAQS | | | Direct Modeled Impact | | Total Concentration[1] | | NAAQS/WAAQS | | Direct Modeled Impact | | Total Concentration[1] | | NAAQS/WAAQS | |
Alternative	WDR	Annual	Annual	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Low Emissions Case	250	13.3	16.7	100	20.2	4.0	0.4	152.2	47.0	9.4	1,300	365/260	80/60	113.1	15.8	146.1	31.8	150	50	21.4	2.9	34.4	7.9	65	15
	150	11.7	15.1	100	15.4	3.6	0.4	147.4	46.6	9.4	1,300	365/260	80/60	103.9	14.6	136.9	30.6	150	50	19.3	2.6	32.3	7.6	65	15
	75	9.9	13.3	100	15.4	3.6	0.3	147.4	46.6	9.3	1,300	365/260	80/60	97.1	13.6	130.1	29.6	150	50	17.8	2.4	30.8	7.4	65	15
High Emissions Case	250	34.4	37.8	100	99.8	20.2	1.9	231.8	63.2	10.9	1,300	365/260	80/60	116.3	17.5	149.3	33.5	150	50	25.1	4.7	38.1	9.7	65	15
	150	31.0	34.4	100	75.8	18.4	1.8	207.8	61.4	10.8	1,300	365/260	80/60	105.0	16.1	138.0	32.1	150	50	22.0	4.2	35.0	9.2	65	15
	75	25.1	28.5	100	75.8	18.4	1.4	207.8	61.4	10.4	1,300	365/260	80/60	97.3	14.9	130.3	30.9	150	50	21.9	3.8	34.9	8.8	65	15
Mitigation Runs	20[2]	27.6	31.0	100	79.8	16.1	1.5	211.8	59.1	10.5	1,300	365/260	80/60	93.0	14.0	126.0	30.0	150	50	20.1	3.8	33.1	8.8	65	15
	40[2]	20.8	24.2	100	59.8	12.1	1.2	191.8	55.1	10.2	1,301	365/261	80/61	69.8	10.5	102.8	26.5	150	50	15.0	2.8	28.0	7.8	65	15
	60[2]	13.9	17.3	100	39.8	8.0	0.8	171.8	51.0	9.8	1,300	365/260	80/60	46.6	7.0	79.6	23.0	150	50	10.0	1.9	23.0	6.9	65	15
	80[2]	7.1	10.5	100	19.9	3.9	0.4	151.9	46.9	9.4	1,300	365/260	80/60	23.3	3.5	56.3	19.5	150	50	5.0	1.0	18.0	6.0	65	15

[1] Total concentration includes direct modeled impact and background concentration.
[2] JIDP % Emissions Reductions

Table C.10.11 - Summary of Maximum Modeled Nitrogen (N) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources[1]

Alternative	WDR	Bridger Wilderness Class I	Fitzpatrick Wilderness Class I	Popo Agie Wilderness Class II	Wind River Roadless Area Class II	Grand Teton National Park Class I	Teton Wilderness Class I	Yellowstone National Park Class I	Washakie Wilderness Area Class I
Low Emissions Case	250	0.0334	0.0026	0.0159	0.0095	0.0011	0.0005	0.0004	0.0007
	150	0.0235	0.0018	0.0112	0.0067	0.0008	0.0004	0.0003	0.0005
	75	0.0160	0.0012	0.0075	0.0043	0.0005	0.0002	0.0002	0.0003
High Emissions Case	250	0.0770	0.0055	0.0354	0.0214	0.0024	0.0011	0.0008	0.0014
	150	0.0506	0.0036	0.0232	0.0140	0.0015	0.0007	0.0005	0.0009
	75	0.0312	0.0020	0.0137	0.0077	0.0009	0.0004	0.0003	0.0005
Mitigation Runs	20 [2]	0.0616	0.0044	0.0283	0.0172	0.0019	0.0009	0.0007	0.0011
	40 [2]	0.0462	0.0033	0.0213	0.0129	0.0014	0.0007	0.0005	0.0009
	60 [2]	0.0308	0.0022	0.0142	0.0086	0.0010	0.0005	0.0003	0.0006
	80 [2]	0.0154	0.0011	0.0071	0.0043	0.0005	0.0002	0.0002	0.0003

[1] gen deposition analysis threshold for direct project impacts = 0.005 kg/ha-yr.

[2] Nitro MDP % Emissions Reductions

Table C.10.12 - Summary of Maximum Modeled Total Nitrogen (N) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources[1]

		Bridger Wilderness Class I		Fitzpatrick Wilderness Class I		Popo Agie Wilderness Class II		Wind River Roadless Area Class II	
Alternative	WDR	Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]
Low Emissions Case	250	0.0555	1.5555	0.0078	1.5078	0.0280	1.5280	0.0201	1.5201
	150	0.0473	1.5473	0.0070	1.5070	0.0234	1.5234	0.0173	1.5173
	75	0.0404	1.5404	0.0064	1.5064	0.0197	1.5197	0.0150	1.5150
High Emissions Case	250	0.0929	1.5929	0.0107	1.5107	0.0476	1.5476	0.0321	1.5321
	150	0.0697	1.5697	0.0088	1.5088	0.0354	1.5354	0.0247	1.5247
	75	0.0502	1.5502	0.0072	1.5072	0.0258	1.5258	0.0184	1.5184
Mitigation Runs	20[2]	0.0801	1.5801	0.0096	1.5096	0.0405	1.5405	0.0278	1.5278
	40[2]	0.0672	1.5672	0.0085	1.5085	0.0334	1.5334	0.0235	1.5235
	60[2]	0.0544	1.5544	0.0074	1.5074	0.0264	1.5264	0.0192	1.5192
	80[2]	0.0415	1.5415	0.0063	1.5063	0.0193	1.5193	0.0149	1.5149

		Grand Teton National Park Class I		Teton Wilderness Class I		Yellowstone National Park Class I		Washakie Wilderness Area Class I	
Alternative	WDR	Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]
Low Emissions Case	250	0.0103	1.5103	0.0036	1.5036	0.0026	1.5026	0.0040	1.5040
	150	0.0100	1.5100	0.0035	1.5035	0.0025	1.5025	0.0039	1.5039
	75	0.0098	1.5098	0.0033	1.5033	0.0024	1.5024	0.0037	1.5037
High Emissions Case	250	0.0116	1.5116	0.0042	1.5042	0.0030	1.5030	0.0046	1.5046
	150	0.0107	1.5107	0.0038	1.5038	0.0028	1.5028	0.0042	1.5042
	75	0.0101	1.5101	0.0035	1.5035	0.0025	1.5025	0.0039	1.5039
Mitigation Runs	20[2]	0.0111	1.5111	0.0040	1.5040	0.0029	1.5029	0.0044	1.5044
	40[2]	0.0107	1.5107	0.0038	1.5038	0.0027	1.5027	0.0041	1.5041
	60[2]	0.0102	1.5102	0.0035	1.5035	0.0026	1.5026	0.0039	1.5039
	80[2]	0.0097	1.5097	0.0033	1.5033	0.0024	1.5024	0.0037	1.5037

[1] gen deposition analysis level of concern for total impacts - 3.00 kg/ha-yr.

[2] NiJIDP % Emissions Reductions

[3] position value of 1.5 kg/ha-yr measured near Pinedale for the year 2001. Includes N de

Table C.10.13 - Summary of Maximum Modeled Sulfur (S) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources[1]

Alternative	WDR	Bridger Wilderness Class I	Fitzpatrick Wilderness Class I	Popo Agie Wilderness Class II	Wind River Roadless Area Class II	Grand Teton National Park Class I	Teton Wilderness Class I	Yellowstone National Park Class I	Washakie Wilderness Area Class I
Low Emissions Case	250	0.00160	0.00016	0.00081	0.00047	0.00007	0.00004	0.00003	0.00005
	150	0.00100	0.00010	0.00050	0.00029	0.00004	0.00002	0.00002	0.00003
	75	0.00057	0.00005	0.00027	0.00014	0.00002	0.00001	0.00001	0.00001
High Emissions Case	250	0.00770	0.00079	0.00390	0.00226	0.00035	0.00020	0.00013	0.00023
	150	0.00477	0.00048	0.00239	0.00138	0.00021	0.00012	0.00008	0.00014
	75	0.00265	0.00023	0.00125	0.00065	0.00010	0.00006	0.00004	0.00007
Mitigation Runs	20 [2]	0.00616	0.00063	0.00312	0.00181	0.00028	0.00016	0.00010	0.00018
	40 [2]	0.00462	0.00047	0.00234	0.00136	0.00021	0.00012	0.00008	0.00014
	60 [2]	0.00308	0.00032	0.00156	0.00091	0.00014	0.00008	0.00005	0.00009
	80 [2]	0.00154	0.00016	0.00078	0.00045	0.00007	0.00004	0.00003	0.00005

[1] position analysis threshold for direct Project impacts = 0.005 kg/ha-yr.
[2] Sulfur de JIDP % Emissions Reductions

Table C.10.14 - Summary of Maximum Modeled Total Sulfur (S) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources[1]

| Alternative | WDR | Bridger Wilderness Class I | | Fitzpatrick Wilderness Class I | | Popo Agie Wilderness Class II | | Wind River Roadless Area Class II | |
		Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]
Low Emissions Case	250	-0.0009	0.7491	-0.0008	0.7492	-0.0021	0.7479	-0.0011	0.7489
	150	-0.0009	0.7491	-0.0008	0.7492	-0.0023	0.7477	-0.0011	0.7489
	75	-0.0009	0.7491	-0.0008	0.7492	-0.0025	0.7475	-0.0011	0.7489
High Emissions Case	250	0.0041	0.7541	-0.0005	0.7495	0.0003	0.7503	-0.0004	0.7496
	150	0.0011	0.7511	-0.0006	0.7494	-0.0009	0.7491	-0.0010	0.7490
	75	-0.0008	0.7492	-0.0007	0.7493	-0.0018	0.7482	-0.0011	0.7489
Mitigation Runs	20 [2]	0.0025	0.7525	-0.0006	0.7494	-0.0003	0.7497	-0.0008	0.7492
	40 [2]	0.0010	0.7510	-0.0006	0.7494	-0.0009	0.7491	-0.0010	0.7490
	60 [2]	-0.0005	0.7495	-0.0007	0.7493	-0.0015	0.7485	-0.0010	0.7490
	80 [2]	-0.0009	0.7491	-0.0008	0.7492	-0.0021	0.7479	-0.0011	0.7489

| Alternative | WDR | Grand Teton National Park Class I | | Teton Wilderness Class I | | Yellowstone National Park Class I | | Washakie Wilderness Area Class I | |
		Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]	Modeled Impact	Total Impact[3]
Low Emissions Case	250	0.0034	0.7534	0.0009	0.7509	0.0010	0.7510	-0.0001	0.7499
	150	0.0034	0.7534	0.0008	0.7508	0.0010	0.7510	-0.0001	0.7499
	75	0.0034	0.7534	0.0008	0.7508	0.0010	0.7510	-0.0001	0.7499
High Emissions Case	250	0.0037	0.7537	0.0010	0.7510	0.0011	0.7511	-0.0001	0.7499
	150	0.0036	0.7536	0.0009	0.7509	0.0011	0.7511	-0.0001	0.7499
	75	0.0035	0.7535	0.0009	0.7509	0.0010	0.7510	-0.0001	0.7499
Mitigation Runs	20 [2]	0.0037	0.7537	0.0010	0.7510	0.0011	0.7511	-0.0001	0.7499
	40 [2]	0.0036	0.7536	0.0009	0.7509	0.0011	0.7511	-0.0001	0.7499
	60 [2]	0.0035	0.7535	0.0009	0.7509	0.0010	0.7510	-0.0001	0.7499
	80 [2]	0.0034	0.7534	0.0009	0.7509	0.0010	0.7510	-0.0001	0.7499

[1] Sulfur deposition analysis level of concern for total impacts = 5.0 kg/ha-y.

[2] JIDP % Emissions Reductions

[3] Includes S deposition value of 0.75 kg/ha-yr measured near Pinedale for the year 2001.

Note: Negative results reflect a net decrease in cumulative SO₂ emissions.

Table C.10.15 - Summary of Maximum Modeled Change in ANC (µeq/L) at Acid Sensitive Lakes from Direct Project Sources

| | | Black Joe Lake | | Deep Lake | | Hobbs Lake | | Lazy Boy Lake | | Upper Frozen Lake | | Lower Saddlebag | | Ross Lake | |
| | | Bridger Wilderness Class I | | Bridger Wilderness Class I | | Bridger Wilderness Class I | | Bridger Wilderness Class I | | Bridger Wilderness Class I | | Popo Agie Wilderness Class II | | Fitzpatrick Wilderness Class I | |
Alternative	WDR	ANC Change (µeq/L)	ANC Change (%)	ANC Change (µeq/L)	ANC Change (%)	ANC Change (µeq/L)	ANC Change (%)	ANC Change (µeq/L)	ANC Change (%)	ANC Change (µeq/L)	ANC Change (%)	ANC Change (µeq/L)	ANC Change (%)	ANC Change (µeq/L)	ANC Change (%)
Level of Acceptable Change (meq/L)	--	6.70	--	5.99	--	6.99	--	1.00	--	1.00	--	5.55	--	5.35	--
Background[1]	--	67.0	--	59.9	--	69.9	--	18.8	--	5.0	--	55.5	--	53.5	--
Low Emissions Case	250	0.100	0.15%	0.109	0.18%	0.021	0.03%	0.007	0.04%	0.135	2.71%	0.124	0.22%	0.007	0.01%
	150	0.071	0.11%	0.077	0.13%	0.014	0.02%	0.005	0.03%	0.095	1.90%	0.087	0.16%	0.005	0.01%
	75	0.047	0.07%	0.051	0.08%	0.009	0.01%	0.003	0.02%	0.062	1.23%	0.058	0.10%	0.003	0.01%
High Emissions Case	250	0.234	0.35%	0.257	0.43%	0.048	0.07%	0.016	0.08%	0.322	6.43%	0.283	0.51%	0.015	0.03%
	150	0.151	0.23%	0.167	0.28%	0.030	0.04%	0.010	0.05%	0.210	4.19%	0.183	0.33%	0.010	0.02%
	75	0.087	0.13%	0.093	0.16%	0.016	0.02%	0.006	0.03%	0.117	2.33%	0.109	0.20%	0.006	0.01%
Mitigation Runs	20 [1]	0.187	0.28%	0.206	0.34%	0.038	0.05%	0.012	0.07%	0.257	5.15%	0.226	0.41%	0.012	0.02%
	40 [1]	0.141	0.21%	0.154	0.26%	0.029	0.04%	0.009	0.05%	0.193	3.86%	0.170	0.31%	0.009	0.02%
	60 [1]	0.094	0.14%	0.103	0.17%	0.019	0.03%	0.006	0.03%	0.129	2.57%	0.113	0.20%	0.006	0.01%
	80 [1]	0.047	0.07%	0.051	0.09%	0.010	0.01%	0.003	0.02%	0.064	1.29%	0.057	0.10%	0.003	0.01%

[1] JIDP % Emissions Reductions

Table C.10.16 - Summary of Maximum Modeled Cumulative Change in ANC (μeq/L) at Acid Sensitive Lakes from Direct Project and Regional Sources

| Alternative | WDR | Black Joe Lake Bridger Wilderness Class I | | Deep Lake Bridger Wilderness Class I | | Hobbs Lake Bridger Wilderness Class I | | Lazy Boy Lake Bridger Wilderness Class I | |
		ANC Change (μeq/L)	Percent ANC Change (%)	ANC Change (μeq/L)	Percent ANC Change (%)	ANC Change (μeq/L)	Percent ANC Change (%)	ANC Change (μeq/L)	Percent ANC Change (%)
Level of Acceptable Change (meq/L)	--	6.70	--	5.99	--	6.99	--	1.00	--
Background ANC	--	67.0	--	59.9	--	69.9	--	18.8	--
Low Emissions Case	250	0.180	0.27%	0.190	0.32%	0.061	0.09%	0.031	0.17%
	150	0.152	0.23%	0.160	0.27%	0.055	0.08%	0.029	0.16%
	75	0.130	0.19%	0.135	0.23%	0.050	0.07%	0.028	0.15%
High Emissions Case	250	0.299	0.45%	0.321	0.54%	0.084	0.12%	0.038	0.20%
	150	0.224	0.33%	0.239	0.40%	0.068	0.10%	0.034	0.18%
	75	0.166	0.25%	0.172	0.29%	0.057	0.08%	0.030	0.16%
Mitigation Runs	20 [1]	0.256	0.38%	0.274	0.46%	0.075	0.11%	0.036	0.19%
	40 [1]	0.213	0.32%	0.227	0.38%	0.067	0.10%	0.033	0.17%
	60 [1]	0.170	0.25%	0.180	0.30%	0.059	0.08%	0.030	0.16%
	80 [1]	0.127	0.19%	0.133	0.22%	0.050	0.07%	0.028	0.15%

| Alternative | WDR | Upper Frozen Lake Bridger Wilderness Class I | | Lower Saddlebag Popo Agie Wilderness Class II | | Ross Lake Fitzpatrick Wilderness Class I | |
		ANC Change (μeq/L)	Percent ANC Change (%)	ANC Change (μeq/L)	Percent ANC Change (%)	ANC Change (μeq/L)	Percent ANC Change (%)
Level of Acceptable Change (meq/L)	--	1.00	--	5.55	--	5.35	--
Background ANC	--	5.0	--	55.5	--	53.5	--
Low Emissions Case	250	0.220	4.40%	0.215	0.39%	0.032	0.06%
	150	0.182	3.64%	0.179	0.32%	0.030	0.06%
	75	0.150	3.00%	0.152	0.27%	0.029	0.05%
High Emissions Case	250	0.387	7.74%	0.354	0.64%	0.039	0.07%
	150	0.283	5.66%	0.264	0.48%	0.034	0.06%
	75	0.199	3.98%	0.197	0.36%	0.031	0.06%
Mitigation Runs	20 [1]	0.326	6.51%	0.303	0.55%	0.036	0.07%
	40 [1]	0.267	5.33%	0.251	0.45%	0.034	0.06%
	60 [1]	0.208	4.16%	0.199	0.36%	0.031	0.06%
	80 [1]	0.149	2.98%	0.147	0.27%	0.028	0.05%

[1] JIDP % Emissions Reductions

Table C.10.17 - Summary of Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources Using FLAG Background Data

		Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Agie Wilderness Class II			Wind River Roadless Area Class II		
Alternative	WDR	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Low Emissions Case	250	2.96	22	9	0.53	2	0	0.51	2	0	0.43	0	0
	150	2.23	13	5	0.37	0	0	0.37	0	0	0.31	0	0
	75	1.59	9	2	0.25	0	0	0.28	0	0	0.22	0	0
High Emissions Case	250	5.92	67	23	1.34	6	2	1.21	17	2	1.06	10	1
	150	4.23	38	15	0.88	3	0	0.79	3	0	0.69	2	0
	75	2.61	17	8	0.50	0	0	0.47	0	0	0.41	0	0
Mitigation Runs	20 [1]	4.98	52	19	1.08	4	1	0.98	11	0	0.85	6	0
	40 [1]	3.95	37	14	0.82	3	0	0.74	2	0	0.65	1	0
	60 [1]	2.80	20	9	0.56	1	0	0.50	1	0	0.44	0	0
	80 [1]	1.50	9	2	0.28	0	0	0.25	0	0	0.22	0	0

		Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I		
Alternative	WDR	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Low Emissions Case	250	0.31	0	0	0.13	0	0	0.15	0	0	0.23	0	0
	150	0.22	0	0	0.10	0	0	0.11	0	0	0.17	0	0
	75	0.15	0	0	0.06	0	0	0.07	0	0	0.11	0	0
High Emissions Case	250	0.65	1	0	0.27	0	0	0.30	0	0	0.47	0	0
	150	0.44	0	0	0.18	0	0	0.20	0	0	0.31	0	0
	75	0.26	0	0	0.10	0	0	0.12	0	0	0.18	0	0
Mitigation Runs	20 [1]	0.53	1	0	0.22	0	0	0.24	0	0	0.38	0	0
	40 [1]	0.40	0	0	0.17	0	0	0.18	0	0	0.28	0	0
	60 [1]	0.27	0	0	0.11	0	0	0.12	0	0	0.19	0	0
	80 [1]	0.13	0	0	0.06	0	0	0.06	0	0	0.10	0	0

Note: Δdv = change in deciview.
[1] JIDP % Emissions Reductions

Table C.10.18 - Summary of Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources Using IMPROVE Background Data

		Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Agie Wilderness Class II			Wind River Roadless Area Class II		
Alternative	WDR	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Low Emissions Case	250	3.26	26	9	0.61	3	0	0.59	2	0	0.50	0	0
	150	2.46	18	6	0.43	0	0	0.43	0	0	0.35	0	0
	75	1.77	10	2	0.29	0	0	0.31	0	0	0.25	0	0
High Emissions Case	250	6.44	70	31	1.54	9	3	1.36	19	2	1.22	15	1
	150	4.64	46	17	1.01	4	1	0.90	5	0	0.80	3	0
	75	2.97	21	7	0.58	1	0	0.55	2	0	0.47	0	0
Mitigation Runs	20 [1]	5.45	52	20	1.25	4	1	1.11	12	2	0.98	8	0
	40 [1]	4.34	39	15	0.95	3	0	0.84	4	0	0.75	1	0
	60 [1]	3.09	20	9	0.64	2	0	0.57	2	0	0.50	1	0
	80 [1]	1.66	9	3	0.33	0	0	0.29	0	0	0.26	0	0

		Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I		
Alternative	WDR	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Low Emissions Case	250	0.31	0	0	0.14	0	0	0.15	0	0	0.23	0	0
	150	0.23	0	0	0.10	0	0	0.11	0	0	0.17	0	0
	75	0.15	0	0	0.06	0	0	0.07	0	0	0.11	0	0
High Emissions Case	250	0.66	1	0	0.28	0	0	0.31	0	0	0.48	0	0
	150	0.45	0	0	0.18	0	0	0.20	0	0	0.32	0	0
	75	0.26	0	0	0.10	0	0	0.12	0	0	0.18	0	0
Mitigation Runs	20 [1]	0.53	1	0	0.22	0	0	0.25	0	0	0.38	0	0
	40 [1]	0.40	0	0	0.17	0	0	0.19	0	0	0.29	0	0
	60 [1]	0.27	0	0	0.11	0	0	0.12	0	0	0.19	0	0
	80 [1]	0.14	0	0	0.06	0	0	0.06	0	0	0.10	0	0

Note: Δdv = change in deciview.

[1] JIDP % Emissions Reductions

Table C.10.19 - Summary of Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources Using FLAG Background Data

		Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Agie Wilderness Class II			Wind River Roadless Area Class II		
		Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
Alternative	WDR	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Low Emissions Case	250	3.43	37	11	0.74	5	0	0.83	8	0	1.07	6	1
	150	2.74	27	8	0.60	3	0	0.73	6	0	0.97	5	0
	75	2.30	20	4	0.52	1	0	0.66	3	0	0.89	4	0
High Emissions Case	250	6.28	80	32	1.37	10	3	1.45	28	4	1.39	22	3
	150	4.66	62	18	0.93	7	0	1.06	17	1	1.15	15	2
	75	3.11	32	11	0.66	4	0	0.78	7	0	0.95	5	0
Mitigation Runs	20[2]	5.38	71	25	1.12	9	2	1.23	22	3	1.26	18	2
	40[2]	4.39	52	16	0.86	7	0	1.01	15	1	1.13	11	1
	60[2]	3.29	34	11	0.66	4	0	0.79	7	0	1.00	4	0
	80[2]	2.29	19	5	0.49	0	0	0.64	2	0	0.86	4	0

		Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I		
		Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
Alternative	WDR	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Low Emissions Case	250	0.48	0	0	0.23	0	0	0.24	0	0	0.33	0	0
	150	0.40	0	0	0.20	0	0	0.20	0	0	0.28	0	0
	75	0.36	0	0	0.18	0	0	0.18	0	0	0.24	0	0
High Emissions Case	250	0.82	3	0	0.34	0	0	0.39	0	0	0.57	1	0
	150	0.61	1	0	0.27	0	0	0.29	0	0	0.41	0	0
	75	0.43	0	0	0.21	0	0	0.21	0	0	0.29	0	0
Mitigation Runs	20[2]	0.70	1	0	0.30	0	0	0.33	0	0	0.48	0	0
	40[2]	0.57	1	0	0.26	0	0	0.27	0	0	0.38	0	0
	60[2]	0.44	0	0	0.21	0	0	0.21	0	0	0.30	0	0
	80[2]	0.34	0	0	0.17	0	0	0.17	0	0	0.23	0	0

[1] Δdv = change in deciview.

[2] JIDP % Emissions Reductions

Table C.10.20 - Summary of Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources Using IMPROVE Background Data

		Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Agie Wilderness Class II			Wind River Roadless Area Class II		
Alternative	WDR	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Low Emissions Case	250	3.78	44	15	0.85	7	0	0.97	13	0	1.19	11	2
	150	3.03	34	9	0.69	4	0	0.85	8	0	1.08	7	2
	75	2.63	24	6	0.60	2	0	0.76	6	0	0.99	6	0
High Emissions Case	250	6.82	90	39	1.58	13	3	1.67	31	6	1.54	22	5
	150	5.09	63	24	1.07	9	2	1.22	21	3	1.28	17	2
	75	3.42	40	13	0.76	6	0	0.90	11	0	1.06	10	2
Mitigation Runs	20 [2]	5.87	73	29	1.29	12	3	1.42	26	4	1.40	20	3
	40 [2]	4.8	58	21	1.00	9	0	1.16	21	3	1.26	15	2
	60 [2]	3.62	41	15	0.76	6	0	0.92	11	0	1.11	10	2
	80 [2]	2.62	21	6	0.57	2	0	0.75	4	0	0.96	4	0

		Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I		
Alternative	WDR	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Low Emissions Case	250	0.49	0	0	0.23	0	0	0.25	0	0	0.33	0	0
	150	0.40	0	0	0.20	0	0	0.20	0	0	0.28	0	0
	75	0.36	0	0	0.18	0	0	0.18	0	0	0.24	0	0
High Emissions Case	250	0.83	3	0	0.34	0	0	0.40	0	0	0.58	1	0
	150	0.62	1	0	0.27	0	0	0.30	0	0	0.42	0	0
	75	0.44	0	0	0.21	0	0	0.21	0	0	0.30	0	0
Mitigation Runs	20 [2]	0.70	2	0	0.30	0	0	0.34	0	0	0.48	0	0
	40 [2]	0.58	1	0	0.26	0	0	0.28	0	0	0.39	0	0
	60 [2]	0.45	0	0	0.22	0	0	0.22	0	0	0.30	0	0
	80 [2]	0.35	0	0	0.17	0	0	0.18	0	0	0.23	0	0

[1] Δdv = change in deciview.

[2] JIDP % Emissions Reductions

Table C.10.21 - Summary of Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Direct Project Sources Using FLAG Background Data

		Big Piney		Big Sandy		Boulder		Bronx		Cora	
Alternative	WDR	Maximum Visibility Impact $(\Delta dv)^1$	Number of Days > 1.0 Δdv^1 (days)	Maximum Visibility Impact $(\Delta dv)^1$	Number of Days > 1.0 Δdv^1 (days)	Maximum Visibility Impact $(\Delta dv)^1$	Number of Days > 1.0 Δdv^1 (days)	Maximum Visibility Impact $(\Delta dv)^1$	Number of Days > 1.0 Δdv^1 (days)	Maximum Visibility Impact $(\Delta dv)^1$	Number of Days > 1.0 Δdv^1 (days)
Low Emissions Case	250	1.64	2	2.64	17	2.01	7	1.40	1	2.66	1
	150	1.21	1	1.97	8	1.46	3	1.01	1	1.95	1
	75	0.85	0	1.43	2	0.98	0	0.66	0	1.28	1
High Emissions Case	250	3.45	21	5.28	56	4.06	33	3.37	7	6.00	11
	150	2.36	11	3.76	29	2.84	21	2.34	1	4.32	3
	75	1.35	2	2.49	16	1.75	7	1.35	1	2.58	1
Mitigation Runs	20 [2]	2.85	16	4.42	38	3.37	25	2.78	1	5.06	6
	40 [2]	2.21	8	3.48	28	2.63	17	2.15	1	4.01	1
	60 [2]	1.53	2	2.45	17	1.83	8	1.48	1	2.85	1
	80 [2]	0.79	0	1.30	1	0.95	0	0.77	0	1.52	1

		Daniel		Farson		Labarge		Merna		Pinedale	
Alternative	WDR	Maximum Visibility Impact $(\Delta dv)^1$	Number of Days > 1.0 Δdv^1 (days)	Maximum Visibility Impact $(\Delta dv)^1$	Number of Days > 1.0 Δdv^1 (days)	Maximum Visibility Impact $(\Delta dv)^1$	Number of Days > 1.0 Δdv^1 (days)	Maximum Visibility Impact $(\Delta dv)^1$	Number of Days > 1.0 Δdv^1 (days)	Maximum Visibility Impact $(\Delta dv)^1$	Number of Days > 1.0 Δdv^1 (days)
Low Emissions Case	250	2.12	1	1.93	5	1.10	2	0.65	0	3.60	2
	150	1.54	1	1.36	3	0.78	0	0.48	0	2.69	1
	75	1.01	1	0.92	0	0.51	0	0.32	0	1.83	1
High Emissions Case	250	4.89	16	4.33	10	2.27	6	1.43	4	7.66	18
	150	3.46	3	2.96	8	1.52	2	0.98	0	5.67	7
	75	2.04	1	1.87	4	0.88	0	0.57	0	3.52	1
Mitigation Runs	20 [2]	4.09	9	3.60	8	1.85	5	1.16	2	6.53	14
	40 [2]	3.21	2	2.82	7	1.42	2	0.88	0	5.25	5
	60 [2]	2.25	1	1.96	5	0.97	0	0.60	0	3.79	2
	80 [2]	1.19	1	1.03	1	0.50	0	0.30	0	2.07	1

[1] Δdv = change in deciview.

[2] JIDP % Emissions Reductions

Table C.10.22 - Summary of Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Direct Project Sources Using IMPROVE Background Data

Alternative	WDR	Big Piney Maximum Visibility Impact (Δdv)[1]	Big Piney Number of Days > 1.0 Δdv[1] (days)	Big Sandy Maximum Visibility Impact (Δdv)[1]	Big Sandy Number of Days > 1.0 Δdv[1] (days)	Boulder Maximum Visibility Impact (Δdv)[1]	Boulder Number of Days > 1.0 Δdv[1] (days)	Bronx Maximum Visibility Impact (Δdv)[1]	Bronx Number of Days > 1.0 Δdv[1] (days)	Cora Maximum Visibility Impact (Δdv)[1]	Cora Number of Days > 1.0 Δdv[1] (days)
Low Emissions Case	250	1.89	4	2.92	21	2.30	10	1.60	1	3.03	1
	150	1.40	2	2.18	13	1.67	4	1.16	1	2.23	1
	75	0.98	0	1.58	3	1.12	2	0.76	0	1.47	1
High Emissions Case	250	3.93	18	5.76	62	4.58	30	3.82	9	6.70	14
	150	2.71	13	4.13	33	3.23	21	2.67	1	4.87	5
	75	1.56	2	2.75	20	2.01	7	1.56	1	2.94	1
Mitigation Runs	20 [2]	3.25	16	4.84	45	3.82	26	3.16	2	5.68	9
	40 [2]	2.53	12	3.83	27	2.99	21	2.46	1	4.53	3
	60 [2]	1.76	2	2.71	19	2.09	9	1.70	1	3.24	1
	80 [2]	0.92	0	1.45	4	1.10	2	0.89	0	1.75	1

Alternative	WDR	Daniel Maximum Visibility Impact (Δdv)[1]	Daniel Number of Days > 1.0 Δdv[1] (days)	Farson Maximum Visibility Impact (Δdv)[1]	Farson Number of Days > 1.0 Δdv[1] (days)	Labarge Maximum Visibility Impact (Δdv)[1]	Labarge Number of Days > 1.0 Δdv[1] (days)	Merna Maximum Visibility Impact (Δdv)[1]	Merna Number of Days > 1.0 Δdv[1] (days)	Pinedale Maximum Visibility Impact (Δdv)[1]	Pinedale Number of Days > 1.0 Δdv[1] (days)
Low Emissions Case	250	2.42	1	2.21	5	1.27	2	0.75	0	4.07	3
	150	1.77	1	1.57	5	0.90	0	0.55	0	3.07	2
	75	1.17	1	1.06	2	0.59	0	0.37	0	2.09	1
High Emissions Case	250	5.50	15	4.88	13	2.59	5	1.64	5	8.48	21
	150	3.92	5	3.37	8	1.74	4	1.13	2	6.34	8
	75	2.33	1	2.14	5	1.02	1	0.66	0	3.98	2
Mitigation Runs	20 [2]	4.61	13	4.08	10	2.12	4	1.34	3	7.27	16
	40 [2]	3.64	4	3.20	8	1.63	3	1.02	1	5.89	6
	60 [2]	2.57	1	2.25	5	1.12	2	0.69	0	4.28	3
	80 [2]	1.37	1	1.19	1	0.57	0	0.35	0	2.37	1

[1] Δdv = change in deciview.

[2] JIDP % Emissions Reductions

Table C.10.23 - Summary of Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Direct Project and Regional Sources Using FLAG Background Data

		Big Piney		Big Sandy		Boulder		Bronx		Cora	
Alternative	WDR	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)
Low Emissions Case	250	2.25	16	3.16	31	3.17	18	1.46	1	2.75	6
	150	2.09	13	2.51	17	2.88	11	1.08	1	2.04	2
	75	2.04	9	2.00	10	2.78	7	0.73	0	1.38	1
High Emissions Case	250	3.81	34	5.67	64	4.97	39	3.42	12	6.07	16
	150	2.76	24	4.22	43	3.87	28	2.40	2	4.40	12
	75	2.11	13	3.01	25	2.87	14	1.42	1	2.67	2
Mitigation Runs	20 [2]	3.23	28	4.85	53	4.36	34	2.83	6	5.13	13
	40 [2]	2.61	21	3.96	35	3.71	25	2.21	1	4.09	7
	60 [2]	2.20	14	2.97	27	3.02	16	1.55	1	2.93	6
	80 [2]	1.99	8	1.88	9	2.72	6	0.84	0	1.62	1

		Daniel		Farson		Labarge		Merna		Pinedale	
Alternative	WDR	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)
Low Emissions Case	250	2.20	6	2.42	11	2.50	9	0.99	0	3.70	8
	150	1.63	1	1.94	10	2.24	6	0.96	0	2.80	8
	75	1.11	1	1.71	10	2.02	6	0.94	0	1.94	5
High Emissions Case	250	4.95	21	4.49	19	3.51	15	1.68	9	7.73	23
	150	3.54	14	3.14	12	2.86	11	1.26	5	5.75	16
	75	2.13	3	2.09	10	2.33	6	0.97	0	3.62	8
Mitigation Runs	20 [2]	4.15	16	3.77	15	3.14	14	1.42	6	6.60	19
	40 [2]	3.29	14	2.99	12	2.77	11	1.16	4	5.34	14
	60 [2]	2.33	3	2.16	10	2.40	7	0.97	0	3.89	8
	80 [2]	1.28	1	1.63	8	2.02	6	0.93	0	2.19	5

[1] Δdv = change in deciview.

[2] JIDP % Emissions Reductions

Table C.10.24 - Summary of Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Direct Project and Regional Sources Using IMPROVE Background Data

		Big Piney		Big Sandy		Boulder		Bronx		Cora	
		Maximum Visibility Impact	Number of Days > 1.0 Δdv[1]	Maximum Visibility Impact	Number of Days > 1.0 Δdv[1]	Maximum Visibility Impact	Number of Days > 1.0 Δdv[1]	Maximum Visibility Impact	Number of Days > 1.0 Δdv[1]	Maximum Visibility Impact	Number of Days > 1.0 Δdv[1]
Alternative	WDR	(Δdv)[1]	(days)	(Δdv)[1]	(days)	(Δdv)[1]	(days)	(Δdv)[1]	(days)	(Δdv)[1]	(days)
Low Emissions Case	250	2.57	19	3.48	32	3.60	20	1.68	1	3.13	7
	150	2.39	15	2.78	23	3.27	11	1.24	1	2.34	5
	75	2.33	13	2.22	13	3.16	9	0.84	0	1.58	3
High Emissions Case	250	4.32	36	6.18	74	5.58	40	3.88	15	6.77	17
	150	3.16	25	4.63	50	4.38	26	2.73	5	4.96	13
	75	2.41	18	3.32	29	3.27	15	1.63	1	3.04	7
Mitigation Runs	20 [2]	3.68	30	5.30	59	4.91	32	3.22	12	5.75	16
	40 [2]	2.99	24	4.37	40	4.20	22	2.53	5	4.62	12
	60 [2]	2.51	17	3.28	30	3.43	17	1.78	1	3.33	7
	80 [2]	2.28	13	2.13	12	3.09	9	0.97	0	1.86	2

		Daniel		Farson		Labarge		Merna		Pinedale	
		Maximum Visibility Impact	Number of Days > 1.0 Δdv[1]	Maximum Visibility Impact	Number of Days > 1.0 Δdv[1]	Maximum Visibility Impact	Number of Days > 1.0 Δdv[1]	Maximum Visibility Impact	Number of Days > 1.0 Δdv[1]	Maximum Visibility Impact	Number of Days > 1.0 Δdv[1]
Alternative	WDR	(Δdv)[1]	(days)	(Δdv)[1]	(days)	(Δdv)[1]	(days)	(Δdv)[1]	(days)	(Δdv)[1]	(days)
Low Emissions Case	250	2.52	11	2.68	11	2.85	11	1.11	4	4.18	8
	150	1.87	6	2.22	10	2.56	9	1.07	1	3.19	8
	75	1.27	1	1.96	10	2.31	6	1.04	1	2.23	7
High Emissions Case	250	5.56	23	5.05	21	3.97	16	1.93	10	8.56	27
	150	4.00	16	3.56	15	3.25	14	1.45	6	6.43	18
	75	2.43	7	2.39	11	2.66	9	1.08	1	4.09	8
Mitigation Runs	20 [2]	4.69	19	4.26	19	3.57	14	1.64	9	7.35	21
	40 [2]	3.73	16	3.40	14	3.15	12	1.35	6	5.98	15
	60 [2]	2.66	9	2.46	11	2.74	9	1.08	2	4.39	9
	80 [2]	1.47	2	1.87	10	2.30	6	1.03	1	2.50	6

[1] Δdv = change in deciview.

[2] JIDP % Emissions Reductions