CSN Assessment - Decision Matrix for 53 Low Value Sites Recommended for Defunding

5/1/14

AQS Site ID	Site Name	State	Region	Freq	2010-2012 DV (8/20/13)	2010-2012 24hr DV (8/20/13)	Popul.	Distance to Closest Site (CSN or IMPROVE) (km)	Distance to 5th Closest Site (km)	County Rank for 2011 NEI Emissions (Highlight=top 5% - Bold = top 1%)								Sites with R>0.75 for..						Statistically Significant Increase in Trends Concentrations for...																Model Bias and Error					Matrix Score
										$PM_{2.5}$	SO_4	NO_3	OC	EC	NH_3	VOC	SO_2	$PM_{2.5}$	SO_4	NO_3	OC	EC	NH_4	$PM_{2.5}$	SO_4	NO_3	OC	EC	NH_4	Fe	S	K	Ca	Na^+	Si	Cu	Br	Zn	$PM_{2.5}$	TC	SO_4	NO_3	NH_4	
34-007-0002	Camden (recently reopened)	NJ	2	alt	9.7	22	5965343	6	77	750	493	982	598	543	2625	1226	784																													-1
34-027-3001	Chester	NJ	2	alt	7.6	21	18897109	41	65	1393	1098	1183	830	608	2492	1134	762	4	5	5	5	1	5																					-14
36-001-0005	Albany Co HD	NY	2	seq	8.1	22	870716	**98**	164	683	208	116	600	445	1830	1485	144	2	5	2	2	0	2												1									-1
36-029-0005	Buffalo	NY	2	1:6	9.6	25	1135509	106	283	259	264	370	234	147	685	518	151	3	5	3	1	0	4																					-3
10-001-0003	Dover	DE	3	1:6	9.0	23	162310	65	98	1728	998	1731	1534	836	423	1327	456	5	5	5	4	3	4																					-15
42-001-0001	NARSTO (Arendtsville)	PA	3	1:6	**11.6**	30	101407	88	117	1511	1089	1447	977	1080	446	1805	1091	3	5	5	4	0	4																					-4
42-011-0011	Reading Airport	PA	3	1:6	10.9	26	411442	46	83	247	202	242	267	202	163	817	250	4	5	5	5	3	5																					-15
42-027-0100	State College	PA	3	1:6	9.5	26	153990	103	159	1312	989	1429	818	766	1470	952	425	2	5	1	3	0	4																					-5
42-043-0401	Harrisburg	PA	3	1:6	**11.9**	31	549475	53	132	726	740	656	417	410	844	1160	694	4	4	2	5	4	5																					-10
42-049-0003	Erie	PA	3	1:6	**11.3**	27	280566	153	190	642	467	1015	464	401	1595	1227	577	1	5	2	3	1	4																					-2
42-069-2006	Scranton	PA	3	1:6	9.1	24	563631	93	149	989	489	1074	738	783	2487	1763	769	0	5	4	5	1	5																					-5
42-133-0008	York	PA	3	1:6	**11.7**	29	434972	36	102	158	88	435	227	188	212	731	51	5	5	4	5	5	5																					-12
54-039-1005	South Charleston Library	WV	3	1:6	**11.9**	24	304284	9	212	446	357	481	376	308	2383	575	131	2	1	3	0	0	1																					0
01-089-0014	Huntsville Old Airport	AL	4	1:6	10.7	21	417593	***79***	179	891	1278	1145	1082	561	1330	644	1359	3	5	4	2	2	4																					-10
01-101-1002	MOMS	AL	4	1:6	**11.1**	22	374536	118	232	455	556	43	552	239	1751	431	658	0	4	4	3	2	4				1																	1
12-073-0012	Tallahassee Community College	FL	4	1:6	9.5	23	367413	***43***	269	309	681	201	173	212	1856	231	879	1	3	1	1	1	2																					-3
13-059-0001	Athens*	GA	4	1:6	*10.4*	*21*	192541	89	183	2819	2861	2801	2686	1970	2727	2058	1180	2	3	2	2	2	2																					-8
13-069-0002	Douglas	GA	4	1:6			50731	***105***	282	796	1163	602	609	810	674	887	1826	0	3	0	0	1	2																		1			0
13-295-0002	Rossville	GA	4	1:6	10.0	21	528143	***65***	173	2472	2315	1745	2056	2129	778	1401	1123	0	5	4	1	0	3																					-2
21-019-0017	Ashland Health Dept	KY	4	1:6	10.6	24	287702	83	229	606	64	278	1208	714	3020	2470	510	3	4	5	3	0	3																	1				-3
21-043-0500	Grayson Lake	KY	4	1:6	8.9	19	287702	115	232	2869	2845	2979	2750	2684	2829	2362	2981	0	1	2	2	0	1																		1			0
21-067-0012	Lexington Health Dept	KY	4	1:6	10.8	22	472099	102	189	1239	1536	1582	900	643	1957	1780	801	1	4	5	5	2	3																					-9
37-021-0034	Buncombe County Board of Education	NC	4	1:6	9.3	18	424858	***32***	167	829	510	1147	648	507	2405	882	384	4	5	0	2	0	4																					-6
37-035-0004	Hickory	NC	4	1:6	10.3	21	365497	***58***	227	303	115	1433	869	586	1993	1057	303	0	5	1	0	0	2																					0
37-057-0002	(NC) - Lexington	NC	4	1:6	**11.1**	21	162878	79	211	1246	363	1082	959	879	1685	1107	817	0	5	2	2	2	3																					-1
37-067-0022	Winston-Salem - Hattie Ave	NC	4	1:6	9.7	20	477717	109	233	1104	528	1767	968	705	2011	1146	670	0	4	2	1	0	2																					-2
37-159-0021	Rockwell	NC	4	1:6	10.1	20	138428	49	217	1177	509	1186	1222	806	1476	1168	296	0	5	3	2	2	3																		1			-2
45-025-0001	Chesterfield	SC	4	1:6	9.3	20	767598	87	217	1855	1370	1111	1332	1698	1098	574	1704	0	3	2	1	0	3											1						1			0
45-045-0015	Greenville ESC	SC	4	1:6	10.9	23	636986	***69***	164	493	386	1118	512	243	2244	417	757	1	4	2	1	1	2																					-7
47-037-0023	Lockeland School	TN	4	1:6	10.9	22	1589934	***118***	246	489	384	636	527	119	2261	391	528	2	2	4	1	0	1																					-1
47-065-4002	UTC	TN	4	1:6	10.9	21	528143	***67***	177	1152	664	707	1004	318	2313	801	682	3	4	0	3	2	3																					-4
47-099-0002	Lawrence County	TN	4	1:6	8.7	18	41869	***87***	218	2625	1778	2355	2463	2576	1473	1194	944	1	4	3	1	0	2							1			1									1	0
18-039-0008	Elkhart Prarie Street	IN	5	1:6	**11.2**	31	197559	111	205	1333	1372	1675	1493	689	331	1546	1310	2	5	5	0	2	5																					-2
18-065-0003	Shenandoah High School - Mechanicsburg	IN	5	1:6	10.5	25	49462	55	192	2084	1313	2465	2335	1718	1488	2891	2780	4	4	5	2	0	4					1								1								-4
26-091-0007	Tecumseh	MI	5	1:6	9.2	24	99892	66	196	1052	1781	1855	1061	1048	868	1931	1345	4	5	5	4	1	5																					-13
26-113-0001	Houghton Lake	MI	5	1:6	6.0	17	47584	160	279	1941	2425	1743	948	2220	1468	1881	1135	1	5	1	1	0	2													1								-2
26-115-0006	Sterling Park (moved from Luna Pier)	MI	5	1:6	9.6	25	152021	56	204	561	61	1832	1460	683	1780	1812	**15**	4	5	4	3	2	5																					-10
26-147-0005	Port Huron	MI	5	1:6	9.2	24	4296250	91	255	1135	892	1445	1358	726	1884	1488	**12**	3	3	4	3	1	2																					-8
26-163-0015	Southwest High School	MI	5	1:6	10.9	25	4296250	3	220	134	89	178	209	**29**	987	186	**22**	3	3	4	3	2	4									1					1	1	1			1	1
27-109-5008	MN-Rochester	MN	5	1:6	9.0	25	186011	***84***	313	403	786	962	306	479	504	1537	736	3	3	4	1	0	2																		1	1		-3
39-049-0081	Columbus - Maple Canyon	OH	5	1:6	**11.0**	24	1836536	110	169	189	327	560	226	55	1393	397	855	2	5	5	3	0	4																1					0
39-087-0012	ODOT Garage	OH	5	1:6	**11.3**	23	287702	85	227	2025	723	559	1544	663	2804	2025	1974	0	0	4	0	0	0																					1
39-095-0026	Toledo Airport	OH	5	1:6	10.7	25	651429	76	209	364	105	565	619	227	1230	1047	138	3	5	4	3	2	5																			1		-8
39-099-0014	Head Start	OH	5	1:6	**11.3**	25	565773	70	95	1575	876	1382	1411	466	1707	1725	514	3	5	5	4	2	5																					-11
39-153-0023	Akron - 5 Points	OH	5	1:6	**11.2**	25	703200	36	118	830	682	1432	675	192	2097	1059	301	1	5	3	5	0	4																	1		1	-2
55-009-0005	Green Bay East High School	WI	5	1:6	9.6	29	306241	126	263	651	459	1238	570	528	288	1682	95	1	4	4	0	0	3																					-2
55-119-8001	Perkinstown CASTNET	WI	5	1:6	7.8	26	161151	***154***	314	2469	2706	2581	1814	2473	1028	1803	2729	1	3	5	2	0	3																					-4
55-133-0027	Waukesha, Cleveland Ave. site	WI	5	1:6	**11.3**	27	1555908	25	173	1122	720	1158	981	376	1759	1109	1116	4	5	5	4	0	5													1								-5
19-113-0040	Linn County Health	IA	7	1:6	10.3	27	257940	103	331	323	436	898	616	569	432	1417	214	1	1	3	1	1	2																					-7
19-153-0030	Public Health Building	IA	7	1:6	9.7	25	569633	***136***	287	481	1133	985	501	394	1114	966	926	2	3	5	0	0	2				1																	-3
29-047-0005	Liberty	MO	7	1:3	9.5	22	2035334	30	253	736	809	1645	877	474	2351	1544	416	4	5	5	1	1	1				1								1									-5
29-186-0005	Bonne Terre	MO	7	1:3			65359	86	262	983	107	292	1900	1604	1449	1651	324	2	4	3	1	0	2							1														-2
53-011-0023	VANNEVAN (moved from VAN4PLN)*	WA	10	1:6	*7.0*	*26*		17	143	615	311	915	328	306	1594	975	1306	0	2	1	0	0	1							1														-2

*Not a DV site, average of nearby monitors

Positive points - reason to fund

Negative points - reason to defund

Note - Please refer to the CSN assessment presentation for additional information regarding scoring and the assessment process