

<b>Data Entry for</b>	<b>PM25</b>	Updated on	November 5, 2012	<b>Sampling Schedule</b>				<b>Sampler Type</b>				Spares	<b>Sampling Platforms</b>					
Overall Comment	Report Org 133			1/1 (daily)	148	sequential	733	110	1/3			585	single channel	144	22	975		
				1/6	270	single channel collocated	190		seasonal			52	continuous	606	91			
				Filter-Based Total	1055	speciation	198		Avg Percent Sampled			39%	Analyzer Spare Factor	15.00%				

General Costs										Year 1 2013			Year 2 2014			Year 3 2015			Average Yearly Costs											
										Labor			Non Labor O & M			Equipment														
<b>Element 1 - Network Design</b>										<b>Element 1 - Network Design</b>			<b>Element 1 - Network Design</b>			<b>Element 1 - Network Design</b>														
a) Network Design (by Reporting Organization)										Per RO			Entire Network			Per RO			Entire Network											
Labor Category										TEC1			TEC2			PRO1			PRO2			PRO3			PRO4			Per RO Total		
Hours per RO										0			0			0			5			5			5			15		
Costs per RO										0			0			0			246			277			293			\$816		
b) Site Selection (Reporting Organization)										Per RO			Entire Network			Per RO			Entire Network			Per RO			Entire Network					
Hours per RO										0			0			2			2			2			0			6		
Costs per RO										0			0			88			99			111			0			\$298		
Sub Total - Hours										0			0			2			7			7			5			21		
Sub Total - Costs										\$0			\$0			\$88			\$345			\$388			\$293			\$1,114		

Element 2 - Site Installation										Element 2 - Site Installation			Element 2 - Site Installation			Element 2 - Site Installation																	
Materials										Per Site			Entire Network			Per Site			Entire Network			Per Site			Entire Network								
Unit cost										Adjusted			Total			Adjusted			Total			Adjusted			Total								
Year										Yearly Cost			Yearly Cost			Yearly Cost			Yearly Cost			Yearly Cost											
Single-channel analyzers										\$7,000			2013			\$8,386			\$1,207,584			\$172,512			\$176,112			\$179,568					
Spare Single-channel analyzers										\$7,000			2013			\$8,386			\$181,138			\$25,877			\$8,561			\$184,918			\$26,417		
Collocated Single-channel analyzers										\$7,000			2013			\$8,386			\$1,593,340			\$227,620			\$8,561			\$1,626,590			\$232,370		
Seasonal Single-channel analyzers										\$11,000			2013			\$13,178			\$685,256			\$97,894			\$8,561			\$445,172			\$63,596		
Sequential Sampler										\$11,000			2013			\$13,178			\$9,659,474			\$1,379,925			\$13,453			\$9,861,049			\$1,408,721		
Spare Sequential Samplers										\$11,000			2013			\$13,178			\$1,448,921			\$206,989			\$13,453			\$1,479,157			\$211,308		
Continuous Sampler										\$18,300			2013			\$21,923			\$13,285,580			\$1,897,940			\$22,381			\$13,562,825			\$1,937,546		
Spare Continuous Samplers										\$18,300			2013			\$21,923			\$1,992,837			\$284,691			\$22,381			\$2,034,424			\$290,632		
Speciation Sampler										\$12,000			2013			\$14,376			\$2,846,448			\$406,635			\$14,676			\$2,905,848			\$415,121		
Data acquisition (laptop/PDA)										\$400			2013			\$479			\$536,225			\$76,604			\$489			\$547,415			\$78,202		
Sampling Platform										\$2,000			2013			\$2,396			\$2,336,100			\$333,729			\$2,446			\$2,384,850			\$340,693		
Labor										TEC1			TEC2			PRO1			PRO2			PRO3			PRO4			Per Site Total					
Procurement										0			0			8			8			0			0			16					
Hours per site										0			0			353			394			0			0			\$747					
Cost per site										0			0			\$895			\$1,919,976			\$274,282			\$914			\$1,960,042			\$280,006		
Installation										Per Site			Entire Network			Per Site			Entire Network			Per Site			Entire Network								
a) Single Channel										0			4			2			2			0			0			8					
Hours per site										0			163			88			99			0			0			\$350					
Cost per site										0			\$419			\$140,046			\$20,007			\$428			\$142,969			\$20,424					
b) Sequential										0			4			2			2			0			0			8					
Hours per site										0			163			88			99			0			0			\$350					
Cost per site										0			\$419			\$307,347			\$43,907			\$428			\$313,761			\$44,823					
c) Seasonal										0			4			2			2			0			0			8					
Hours per site										0			163			88			99			0			0			\$350					
Cost per site										0			\$419			\$21,804			\$3,115			\$428			\$22,259			\$3,180					
d) Continuous										0			2			3			3			0			0			8					
Hours per site										0			82			132			148			0			0			\$362					
Cost per site										0			\$434			\$262,808			\$37,544			\$443			\$268,292			\$38,327					
e) Speciation										0			2			8			2			0			0			12					
Hours per site										0			82			353			99			0			0			\$534					
Cost per site										0			\$640			\$126,667			\$18,095			\$653			\$129,310			\$18,473					
Sub Total - Hours										0			16			17			11			0			0			44					
Sub Total - Costs										\$0			\$653			\$749			\$544			\$0			\$0			\$1,946					

Element 3 - Sampling and Analysis										Element 3 - Supplies and Site Visits			Element 3 - Supplies and Site Visits			Element 3 - Supplies and Site Visits																	
Supplies										Per Site			Entire Network			Per Site			Entire Network			Per Site			Entire Network								
Unit cost										Adjusted			Total			Adjusted			Total			Adjusted			Total								
Year										Yearly Cost			Yearly Cost			Yearly Cost			Yearly Cost			Yearly Cost											
Filters										\$400			2013			\$423			\$446,375			\$446,375			\$432			\$455,690			\$455,690		
Speciation sampling national contract										\$7,057,204			2013			\$8,454,530			\$8,454,530			\$8,454,530			\$8,630,960			\$8,630,960			\$8,630,960		
Microbalance										\$3,000			2013			\$3,594			\$3,594			\$513			\$3,669			\$3,669			\$524		
Clean Room for Weighing										\$75,000			2013			\$89,850			\$89,850			\$12,836			\$91,725			\$91,725			\$13,104		
Routine visits										TEC1			TEC2			PRO1			PRO2			PRO3			PRO4			Per Site Total					
1/1, 1/3, and 1/6 sites										0			80			20			0			0			180								
Hours per site										0			3269			3530			985			0			0			\$7,784					
Cost per site										0			\$9,325			\$5,366,671			\$5,366,671			\$9,520			\$5,478,663			\$5,478,663					
Seasonal sites										0			20			5			0			0			45								
Hours per site										0			817			882			246			0			0			\$1,945					
Cost per site										0			\$2,330			\$121,166			\$121,166			\$2,379			\$123,694			\$123,694					
Continuous sites										0			6			26			0			0			32								
Hours per site										0			0			265			1281			0			0			\$1,546					
Cost per site										0			\$1,852			\$1,122,377			\$1,122,377			\$1,891			\$1,145,799			\$1,145,799					
Speciation										0			0			90			90			0			0			180					
Hours per site										0			0			3971			4434			0			0			\$8,405					
Cost per site										0			\$10,069			\$1,993,700			\$1,993,700			\$10,279			\$2,035,304			\$2,035,304					
Laboratory										0			108			132			0			0			240								
Hours per site										0			4413			0			6503			0			0			\$10,916					
Cost per site										0			\$13,077			\$6,362,140			\$6,362,140			\$13,350			\$6,494,905			\$6,494,905					
Sub Total - Hours										0			208			196			273			0			0			677					
Sub Total - Costs										\$0			\$8,499			\$4,677			\$9,015			\$0			\$0			\$22,191					

Element 4 - Maintenance			Comment						Element 4 - Maintenance			Element 4 - Maintenance			Element 4 - Maintenance						
Spare parts/supplies	Unit cost	Year	TEC1	TEC2	PRO1	PRO2	PRO3	PRO4	Per Site Total	Per Site	Entire Network		Per Site	Entire Network		Per Site	Entire Network		NA	\$268,864	NA
										Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost			
Sequential	\$300	2013								\$359	\$263,440	\$263,440	\$367	\$268,938	\$268,938	\$374	\$274,215	\$274,215	NA	\$268,864	NA
Single channel	\$250	2013								\$300	\$100,033	\$100,033	\$306	\$102,121	\$102,121	\$312	\$104,125	\$104,125	NA	\$102,093	NA
Seasonal	\$275	2013								\$329	\$17,131	\$17,131	\$336	\$17,489	\$17,489	\$343	\$17,832	\$17,832	NA	\$17,484	NA
Continuous	\$155	2013								\$186	\$112,528	\$112,528	\$190	\$114,876	\$114,876	\$193	\$117,131	\$117,131	NA	\$114,845	NA
Speciation	\$500	2013								\$599	\$118,602	\$118,602	\$612	\$121,077	\$121,077	\$624	\$123,453	\$123,453	NA	\$121,044	NA
<b>Remedial Repairs</b>																					
Sequential	Hours per site		0	2	6	6	0	0	14	14	10,262	10,262	14	10,262	10,262	14	10,262	10,262	10,262	NA	NA
	Cost per site		\$0	\$82	\$265	\$296	\$0	\$0	\$643	\$770	\$564,640	\$564,640	\$786	\$576,423	\$576,423	\$802	\$587,735	\$587,735	\$576,266	NA	NA
Single channel	Hours per site		0	2	2	4	0	0	8	8	2,672	2,672	8	2,672	2,672	8	2,672	2,672	2,672	NA	NA
	Cost per site		\$0	\$82	\$88	\$197	\$0	\$0	\$367	\$440	\$146,848	\$146,848	\$449	\$149,913	\$149,913	\$458	\$152,855	\$152,855	\$149,872	NA	NA
Seasonal	Hours per site		0	2	6	6	0.0	0	14	14	728	728	14	728	728	14	728	728	728	NA	NA
	Cost per site		\$0	\$82	\$265	\$296	\$0	\$0	\$643	\$770	\$40,056	\$40,056	\$786	\$40,892	\$40,892	\$802	\$41,695	\$41,695	\$40,881	NA	NA
Continuous	Hours per site		0	2	6	6	0.0	0	14	14	8,484	8,484	14	8,484	8,484	14	8,484	8,484	8,484	NA	NA
	Cost per site		\$0	\$82	\$265	\$296	\$0	\$0	\$643	\$770	\$466,810	\$466,810	\$786	\$476,552	\$476,552	\$802	\$485,904	\$485,904	\$476,422	NA	NA
Speciation	Hours per site		0	0	4	6	4.0	0	14	14	2,772	2,772	14	2,772	2,772	14	2,772	2,772	2,772	NA	NA
	Cost per site		\$0	\$0	\$176	\$296	\$222	\$0	\$694	\$831	\$164,620	\$164,620	\$849	\$168,055	\$168,055	\$865	\$171,353	\$171,353	\$168,009	NA	NA
<b>Routine Maintenance</b>																					
Sequential	Hours per site		0	2	6	8	0	0	16	16	11,728	11,728	16	11,728	11,728	16	11,728	11,728	11,728	NA	NA
	Cost per site		\$0	\$82	\$265	\$394	\$0	\$0	\$741	\$888	\$650,697	\$650,697	\$906	\$664,276	\$664,276	\$924	\$677,312	\$677,312	\$664,095	NA	NA
Single channel	Hours per site		0	2	4	6	0	0	12	12	4,008	4,008	12	4,008	4,008	12	4,008	4,008	4,008	NA	NA
	Cost per site		\$0	\$82	\$176	\$296	\$0	\$0	\$554	\$664	\$221,673	\$221,673	\$678	\$226,299	\$226,299	\$691	\$230,740	\$230,740	\$226,237	NA	NA
Seasonal	Hours per site		0	2	6	8	0.0	0	16	16	832	832	16	832	832	16	832	832	832	NA	NA
	Cost per site		\$0	\$82	\$265	\$394	\$0	\$0	\$741	\$888	\$46,161	\$46,161	\$906	\$47,125	\$47,125	\$924	\$48,049	\$48,049	\$47,112	NA	NA
Continuous	Hours per site		0	5	5	4	0.0	0	14	14	8,484	8,484	14	8,484	8,484	14	8,484	8,484	8,484	NA	NA
	Cost per site		\$0	\$204	\$221	\$197	\$0	\$0	\$622	\$745	\$451,565	\$451,565	\$761	\$460,988	\$460,988	\$776	\$470,034	\$470,034	\$460,862	NA	NA
Speciation	Hours per site		0	0	4	12	0.0	0	16	16	3,168	3,168	16	3,168	3,168	16	3,168	3,168	3,168	NA	NA
	Cost per site		\$0	\$0	\$176	\$591	\$0	\$0	\$767	\$919	\$181,935	\$181,935	\$938	\$185,732	\$185,732	\$956	\$189,377	\$189,377	\$185,681	NA	NA
<b>Sub Total - Hours</b>			0	19	49	66	4	0	138	138	53,138	53,138	138	53,138	53,138	138	53,138	53,138	53,138	NA	NA
<b>Sub Total - Costs</b>			\$0	\$778	\$2,162	\$3,253	\$222	\$0	\$6,415	\$7,685	\$3,546,741	\$3,546,741	\$7,846	\$3,620,755	\$3,620,755	\$8,000	\$3,691,808	\$3,691,808	\$2,995,438	\$624,330	NA

Element 5 - Data Management			Comment						Element 5 - Data Management			Element 5 - Data Management			Element 5 - Data Management					
Data aquisition/processing	TEC1	TEC2	PRO1	PRO2	PRO3	PRO4	Per Site Total	Per Site	Entire Network		Per Site	Entire Network		Per Site	Entire Network		NA	\$3,588,444	NA	
								Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost				
Sequential	Hours per site	0	18	54	18	0	90	90	65,970	65,970	90	65,970	65,970	90	65,970	65,970	65,970	NA	NA	
	Cost per site	0	735	2382	887	0	\$4,004	\$4,797	\$3,516,049	\$3,516,049	\$4,897	\$3,589,422	\$3,589,422	\$4,993	\$3,659,860	\$3,659,860	\$3,588,444	NA	NA	
Single-channel	Hours per site	0	0	6	12	0	18	18	6,012	6,012	18	6,012	6,012	18	6,012	6,012	6,012	NA	NA	
	Cost per site	0	0	265	591	0	\$856	\$1,025	\$342,513	\$342,513	\$1,047	\$349,661	\$349,661	\$1,067	\$356,522	\$356,522	\$349,565	NA	NA	
Seasonal	Hours per site	0	18	54	18	0	90	90	4,680	4,680	90	4,680	4,680	90	4,680	4,680	4,680	NA	NA	
	Cost per site	0	735	2382	887	0	\$4,004	\$4,797	\$249,433	\$249,433	\$4,897	\$254,638	\$254,638	\$4,993	\$259,635	\$259,635	\$254,569	NA	NA	
Continuous	Hours per site	0	0	2.5	10.5	3	16	16	9,696	9,696	16	9,696	9,696	16	9,696	9,696	9,696	NA	NA	
	Cost per site	0	0	110	517	166	\$793	\$950	\$575,708	\$575,708	\$970	\$587,722	\$587,722	\$989	\$599,256	\$599,256	\$587,562	NA	NA	
<b>Data Reporting</b>																				
Sequential	Hours per site	0	4.5	13.5	4.5	0	22.5	23	16,493	16,493	23	16,493	16,493	22.5	16,493	16,493	16,493	NA	NA	
	Cost per site	0	184	596	222	0	\$1,002	\$1,200	\$879,890	\$879,890	\$1,225	\$898,252	\$898,252	\$1,249	\$915,879	\$915,879	\$898,007	NA	NA	
Single-channel	Hours per site	0	1	2	1	2	6	6	2,004	2,004	6	2,004	2,004	6.0	2,004	2,004	2,004	NA	NA	
	Cost per site	0	41	88	49	111	\$289	\$346	\$115,638	\$115,638	\$353	\$118,051	\$118,051	\$360	\$120,368	\$120,368	\$118,019	NA	NA	
Seasonal	Hours per site	0	4.5	13.5	4.5	0	22.5	23	1,170	1,170	23	1,170	1,170	22.5	1,170	1,170	1,170	NA	NA	
	Cost per site	0	184	596	222	0	\$1,002	\$1,200	\$62,421	\$62,421	\$1,225	\$63,723	\$63,723	\$1,249	\$64,974	\$64,974	\$63,706	NA	NA	
Continuous	Hours per site	0	0	4	6	2	12	12	7,272	7,272	12	7,272	7,272	12.0	7,272	7,272	7,272	NA	NA	
	Cost per site	0	0	176	296	111	\$583	\$698	\$423,251	\$423,251	\$713	\$432,083	\$432,083	\$727	\$440,563	\$440,563	\$431,966	NA	NA	
<b>Data Validation</b>																				
Sequential	Hours per site	0	9	9	18	27	63	63	46,179	46,179	63	46,179	46,179	63.0	46,179	46,179	46,179	NA	NA	
	Cost per site	0	368	397	887	1498	\$3,150	\$3,774	\$2,766,122	\$2,766,122	\$3,852	\$2,823,846	\$2,823,846	\$3,928	\$2,879,261	\$2,879,261	\$2,823,076	NA	NA	
Single-channel	Hours per site	0	0	4	6	2	12	12	3,340	3,340	12	3,340	3,340	12.0	3,340	3,340	3,340	NA	NA	
	Cost per site	0	0	176	296	111	\$583	\$698	\$233,277	\$233,277	\$713	\$238,145	\$238,145	\$727	\$242,818	\$242,818	\$238,080	NA	NA	
Seasonal	Hours per site	0	9	9	13.5	27	58.5	59	3,042	3,042	59	3,042	3,042	58.5	3,042	3,042	3,042	NA	NA	
	Cost per site	0	368	397	665	1498	\$2,928	\$3,508	\$182,403	\$182,403	\$3,581	\$186,209	\$186,209	\$3,651	\$189,863	\$189,863	\$186,158	NA	NA	
Continuous	Hours per site	0	0	5	5	2	13	13	9,529	9,529	13	9,529	9,529	13.0	9,529	9,529	9,529	NA	NA	
	Cost per site	0	0	221	246	111	\$637	\$763	\$462,454	\$462,454	\$779	\$472,105	\$472,105	\$794	\$481,369	\$481,369	\$471,976	NA	NA	
<b>Data Distribution</b>																				
Sequential	Hours per site	0	0	0	9	9	18	18	13,194	13,194	18	13,194	13,194	18.0	13,194	13,194	13,194	NA	NA	
	Cost per site	0	0	0	443	499	\$942	\$1,129	\$827,202	\$827,202	\$1,152	\$844,464	\$844,464	\$1,175	\$861,036	\$861,036	\$844,234	NA	NA	
Single-channel	Hours per site	0	0	0	1	1	2	2	668	668	2	668	668	2.0	668	668	668	NA	NA	
	Cost per site	0	0	0	49	55	\$104	\$125	\$41,614	\$41,614	\$127	\$42,482	\$42,482	\$130	\$43,316	\$43,316	\$42,471	NA	NA	
Seasonal	Hours per site	0	0	0	9	9	18	18												

Element 6 - Quality Assurance		Comment						Element 6 - Quality Assurance			Element 6 - Quality Assurance			Element 6 - Quality Assurance			Non Labor		Equipment	
		Years Amortized															Labor	O & M	Equipment	
		Unit cost	Year					Per Site	Entire Network		Per Site	Entire Network		Per Site	Entire Network					
								Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost				
Filter-based calibration kit		\$120	2013					\$144	\$151,667	\$4,333	\$147	\$154,832	\$4,424	\$150	\$157,870	\$4,511	NA	NA	\$4,423	
Continuous calibration kit		\$75	2013					\$90	\$54,449	\$1,556	\$92	\$55,585	\$1,588	\$94	\$56,676	\$1,619	NA	NA	\$1,588	
Audits		TEC1	TEC2	PRO1	PRO2	PRO3	PRO4	Per Site	Entire Network		Per Site	Entire Network		Per Site	Entire Network					
		Total						Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost				
Sequential	Hours per site	0	2	6	2	0	0	10	10.0	7,330	7,330	10.0	7,330	7,330	10.0	7,330	7,330	7,330	NA	NA
	Cost per site	0	82	265	99	0	0	\$446	\$534	\$391,648	\$391,648	\$545	\$399,821	\$399,821	\$556	\$407,667	\$407,667	\$399,712	NA	NA
Single-channel	Hours per site	0	2	6	2	0	0	10	10	3,340	3,340	10	3,340	3,340	10	3,340	3,340	3,340	NA	NA
	Cost per site	0	82	265	99	0	0	\$446	\$534	\$178,459	\$178,459	\$545	\$182,183	\$182,183	\$556	\$185,758	\$185,758	\$182,133	NA	NA
Seasonal	Hours per site	0	2	6	2	0	0	10	10	520	520	10	520	520	10	520	520	520	NA	NA
	Cost per site	0	82	265	99	0	0	\$446	\$534	\$27,784	\$27,784	\$545	\$28,364	\$28,364	\$556	\$28,920	\$28,920	\$28,356	NA	NA
Continuous	Hours per site	0	3	5	2	0	0	10	10	6,060	6,060	10	6,060	6,060	10	6,060	6,060	6,060	NA	NA
	Cost per site	0	123	221	99	0	0	\$443	\$531	\$321,613	\$321,613	\$542	\$328,324	\$328,324	\$552	\$334,767	\$334,767	\$328,235	NA	NA
Reporting		TEC1	TEC2	PRO1	PRO2	PRO3	PRO4	Per Site	Entire Network		Per Site	Entire Network		Per Site	Entire Network					
		Total						Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost				
Sequential	Hours per site	0	0	0	2	2	0	4	4	2,932	2,932	4	2,932	2,932	4	2,932	2,932	2,932	NA	NA
	Cost per site	0	0	0	99	111	0	\$210	\$252	\$184,408	\$184,408	\$257	\$188,256	\$188,256	\$262	\$191,951	\$191,951	\$188,205	NA	NA
Single-channel	Hours per site	0	0	0	2	2	0	4	4	3,340	3,340	4	3,340	3,340	4	3,340	3,340	3,340	NA	NA
	Cost per site	0	0	0	99	111	0	\$210	\$252	\$84,028	\$84,028	\$257	\$85,781	\$85,781	\$262	\$87,465	\$87,465	\$85,758	NA	NA
Seasonal	Hours per site	0	0	0	2	2	0	4	4	208	208	4	208	208	4	208	208	208	NA	NA
	Cost per site	0	0	0	99	111	0	\$210	\$252	\$13,082	\$13,082	\$257	\$13,355	\$13,355	\$262	\$13,617	\$13,617	\$13,352	NA	NA
Continuous	Hours per site	0	0	0	2	2	0	4	4	2,424	2,424	4	2,424	2,424	4	2,424	2,424	2,424	NA	NA
	Cost per site	0	0	0	99	111	0	\$210	\$252	\$152,457	\$152,457	\$257	\$155,639	\$155,639	\$262	\$158,693	\$158,693	\$155,597	NA	NA
Implementation/coordination		TEC1	TEC2	PRO1	PRO2	PRO3	PRO4	Per Site	Entire Network		Per Site	Entire Network		Per Site	Entire Network					
		Total						Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost				
Sequential	Hours per site	0	5	5	2	1	0	13	13	9,529	9,529	13	9,529	9,529	13	9,529	9,529	9,529	NA	NA
	Cost per site	0	204	221	99	55	0	\$579	\$694	\$508,440	\$508,440	\$708	\$519,050	\$519,050	\$722	\$529,236	\$529,236	\$518,908	NA	NA
Single-channel	Hours per site	0	5	5	2	1	0	13	13	3,340	3,340	13	3,340	3,340	13	3,340	3,340	3,340	NA	NA
	Cost per site	0	204	221	99	55	0	\$579	\$694	\$231,676	\$231,676	\$708	\$236,511	\$236,511	\$722	\$241,152	\$241,152	\$236,447	NA	NA
Seasonal	Hours per site	0	5	5	2	1	0	13	13	676	676	13	676	676	13	676	676	676	NA	NA
	Cost per site	0	204	221	99	55	0	\$579	\$694	\$36,069	\$36,069	\$708	\$36,822	\$36,822	\$722	\$37,545	\$37,545	\$36,812	NA	NA
Continuous	Hours per site	0	0	5	5	2	1	13	13	7,878	7,878	13	7,878	7,878	13	7,878	7,878	7,878	NA	NA
	Cost per site	0	0	221	246	111	59	\$637	\$763	\$462,454	\$462,454	\$779	\$472,105	\$472,105	\$794	\$481,369	\$481,369	\$471,976	NA	NA
Training		TEC1	TEC2	PRO1	PRO2	PRO3	PRO4	Per Site	Entire Network		Per Site	Entire Network		Per Site	Entire Network					
		Total						Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost				
Sequential	Hours per site	0	0	3	2	1	0	6	6	4,398	4,398	6	4,398	4,398	6	4,398	4,398	4,398	NA	NA
	Cost per site	0	0	132	99	55	0	\$286	\$343	\$251,146	\$251,146	\$350	\$256,387	\$256,387	\$357	\$261,419	\$261,419	\$256,317	NA	NA
Single-channel	Hours per site	0	0	3	2	1	0	6	6	3,340	3,340	6	3,340	3,340	6	3,340	3,340	3,340	NA	NA
	Cost per site	0	0	132	99	55	0	\$286	\$343	\$114,438	\$114,438	\$350	\$116,826	\$116,826	\$357	\$119,118	\$119,118	\$116,794	NA	NA
Seasonal	Hours per site	0	0	3	2	1	0	6	6	312	312	6	312	312	6	312	312	312	NA	NA
	Cost per site	0	0	132	99	55	0	\$286	\$343	\$17,817	\$17,817	\$350	\$18,188	\$18,188	\$357	\$18,545	\$18,545	\$18,183	NA	NA
Continuous	Hours per site	0	0	3	2	1	0	6	6	3,636	3,636	6	3,636	3,636	6	3,636	3,636	3,636	NA	NA
	Cost per site	0	0	132	99	55	0	\$286	\$343	\$207,633	\$207,633	\$350	\$211,965	\$211,965	\$357	\$216,125	\$216,125	\$211,908	NA	NA
QA Plan preparation		Years Amortized						Per RO	Entire Network		Per RO	Entire Network		Per RO	Entire Network					
		5							Total	Yearly Cost	Total	Yearly Cost	Total	Yearly Cost	Total	Yearly Cost				
Hours per RO		0	0	5	5	5	0	15	NA	1,995	399	NA	1,995	399	NA	1,995	399	399	NA	NA
Cost per RO		0	0	221	246	277	0	\$744	\$891	\$118,544	\$23,709	\$910	\$121,018	\$24,204	\$928	\$123,393	\$24,679	\$24,197	NA	NA
QA Plan review (annual)		TEC1	TEC2	PRO1	PRO2	PRO3	PRO4	Labor per RO	Entire Network		Adjusted per RO	Entire Network		Adjusted per RO	Entire Network					
		Total							Total	Yearly Cost	Total	Yearly Cost	Total	Yearly Cost	Total	Yearly Cost				
Hours per RO		0	0	0	5	5	5	15	NA	1,995	1,995	NA	1,995	1,995	NA	1,995	1,995	1,995	NA	NA
Cost		0	0	0	246	277	293	\$816	\$978	\$130,017	\$26,003	\$998	\$132,730	\$26,546	\$1,018	\$135,334	\$27,067	\$26,539	NA	NA
Sub Total - Hours		0	24	60	45	27	6	162	132	59,263	59,263	132	59,263	59,263	132	59,263	59,263	59,263	NA	NA
Sub Total - Costs		\$0	\$981	\$2,649	\$2,223	\$1,494	\$352	\$7,699	\$9,223	\$3,637,829	\$3,238,753	\$9,416	\$3,713,743	\$3,306,340	\$9,601	\$3,786,621	\$3,371,223	\$3,361,085	\$0	\$6,010

Element 7 - Supervision		Comment						Element 7 - Supervision			Element 7 - Supervision			Element 7 - Supervision						
		TEC1	TEC2	PRO1	PRO2	PRO3	PRO4	Per Site	Entire Network		Per Site	Entire Network		Per Site	Entire Network					
		Total						Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost				
Planning/coordination	Sequential	Hours per site	0	6	3	3	0	12	NA	8,796	8,796	NA	8,796	8,796	NA	8,796	8,796	8,796	NA	NA
	Cost per site	0	245	132	148	0	0	\$525	\$629	\$461,020	\$461,020	\$642	\$470,641	\$470,641	\$655	\$479,877	\$479,877	\$470,513	NA	NA
Single Channel	Hours per site	0	6	3	3	0	0	12	NA	1,728	1,728	NA	1,728	1,728	NA	1,728	1,728	1,728	NA	NA
	Cost per site	0	245	132	148	0	0	\$525	\$629	\$90,569	\$90,569	\$642	\$92,459	\$92,459	\$655	\$94,273	\$94,273	\$92,434	NA	NA
Seasonal	Hours per site	0	6	3	3	0	0	12	NA	624	624	NA	624	624	NA	624	624	624	NA	NA
	Cost per site	0	245	132	148	0	0	\$525	\$629	\$32,705	\$32,705	\$642	\$33,388	\$33,388	\$655	\$34,043	\$34,043	\$33,379	NA	NA
Continuous	Hours per site	0	0	0	12	24	0	36	NA	21,816	21,816	NA	21,816	21,816	NA	21,816	21,816	21,816	NA	NA
	Cost per site	0	0	0	591	1331	0	\$1,922	\$2,303	\$1,395,349	\$1,395,349	\$2,351	\$1,424,467	\$1,424,467	\$2,397	\$1,452,421	\$1,452,421	\$1,424,079	NA	NA
Speciation	Hours per site	0	0	0	7	7	0	14	NA	2,772	2,772	NA	2,772	2,772	NA	2,772	2,772	2,772	NA	NA
	Cost per site	0	0	0	345	388	0	\$733	\$878	\$173,871	\$173,871	\$896	\$177,499	\$177,499	\$914	\$180,982	\$180,982	\$177,451	NA	NA
Supervision/review		TEC1	TEC2	PRO1	PRO2	PRO3	PRO4	Per Site	Entire Network		Per Site	Entire Network		Per Site	Entire Network					
		Total																		

Summary by Element	PM25							Year 1	2013			Year 2	2014			Year 3	2015							
	TEC1	TEC2	PRO1	PRO2	PRO3	PRO4	Total	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost					
1 - Network Design	Hours	0	0	2	7	7	5	21	NA	2,793	399	NA	2,793	399	NA	2,793	399	NA	2,793	399	399			
	Costs	\$0	\$0	\$88	\$345	\$388	\$293	\$1,114	\$1,335	\$177,498	\$25,357	\$1,362	\$181,202	\$25,886	\$1,389	\$184,758	\$26,394	\$25,879	\$184,758	\$26,394	\$25,879	NA	NA	
2 - Site Installation	Hours	0	16	17	11	0	0	44	NA	36,999	5,625	NA	36,999	5,625	NA	36,999	5,625	NA	36,999	5,625	5,625			
	Costs	\$0	\$653	\$749	\$544	\$0	\$0	\$1,946	\$129,016	\$38,551,550	\$5,507,364	\$126,817	\$39,101,664	\$5,585,952	\$129,305	\$39,868,991	\$5,695,570	\$405,123	\$39,868,991	\$5,695,570	\$405,123	NA	\$5,191,173	
3 - Supplies & site visits	Hours	0	208	196	273	0	0	677	NA	206,781	206,781	NA	206,781	206,781	NA	206,781	206,781	NA	206,781	206,781	19,392	NA	NA	
	Costs	\$0	\$8,499	\$4,677	\$9,015	\$0	\$0	\$22,191	\$8,491,608	\$23,866,959	\$23,866,959	\$8,668,811	\$24,365,017	\$24,365,017	\$8,838,927	\$24,843,153	\$24,843,153	\$15,274,202	\$24,843,153	\$24,843,153	\$15,274,202	\$455,566	\$8,642,232	
4 - Maintenance	Hours	0	19	49	66	4	0	138	138	53,138	53,138	138	53,138	53,138	138	53,138	53,138	138	53,138	53,138	53,138			
	Costs	\$0	\$778	\$2,162	\$3,253	\$222	\$0	\$7,685	#REF!	\$3,546,741	\$3,546,741	\$7,846	\$3,620,755	\$3,620,755	\$8,000	\$3,691,808	\$3,691,808	\$2,995,438	\$3,691,808	\$3,691,808	\$2,995,438	\$624,330	NA	
5 - Data Managment	Hours	0	64	176.5	139	86	1	466.5	467	193,215	193,215	467	193,215	193,215	467	193,215	193,215	467	193,215	193,215	193,215	NA	NA	
	Costs	\$0	\$2,615	\$7,786	\$6,848	\$4,770	\$59	\$22,078	\$26,449	\$10,924,689	\$10,924,689	\$27,001	\$11,152,667	\$11,152,667	\$27,531	\$11,371,525	\$11,371,525	\$11,149,627	\$11,371,525	\$11,371,525	\$11,149,627	NA	NA	
6 - Quality Assurance	Hours	0	24	60	45	27	6	162	132	59263	59263	132	59263	59263	132	59263	59263	132	59263	59263	59263	NA	NA	
	Costs	\$0	\$981	\$2,649	\$2,223	\$1,494	\$352	\$7,699	\$9,223	\$3,637,829	\$3,238,753	\$9,416	\$3,713,743	\$3,306,340	\$9,601	\$3,786,621	\$3,371,223	\$3,361,085	\$3,786,621	\$3,371,223	\$3,361,085	\$0	\$6,010	
7 - Supervision	Hours	0	18	19	57	69	30	193	NA	79830	79830	NA	79830	79830	NA	79830	79830	NA	79830	79830	79830	NA	NA	
	Costs	\$0	\$735	\$838	\$2,808	\$3,828	\$1,757	\$9,966	NA	\$4,978,067	\$4,978,067	NA	\$5,081,950	\$5,081,950	NA	\$5,181,678	\$5,181,678	\$5,080,565	\$5,181,678	\$5,181,678	\$5,080,565	NA	NA	
<b>Total</b>		TEC1	TEC2	PRO1	PRO2	PRO3	PRO4	Total	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost	Adjusted	Total	Yearly Cost							
	Hours	0	349	520	598	193	42	1,702	NA	572,755	598,250	NA	572,755	598,250	NA	572,755	598,250	410,862	572,755	598,250	410,862		NA	
	Costs	\$0	\$14,261	\$18,949	\$25,036	\$10,702	\$2,461	\$72,679	NA	\$82,045,505	\$52,087,931	NA	\$83,503,255	\$53,138,567	NA	\$85,141,913	\$54,181,351	\$38,291,920	\$85,141,913	\$54,181,351	\$38,291,920	\$1,079,896	\$13,839,415	

\$53,211,231