

ADDENDUM NO. 2

RFP NO 89624

DATE OF RFP OPENING: February 21, 2014

TIME: 4:00 PM

DEPARTMENT: Public Works - Waste Resources

COMMODITY: Flow and Rain Gauge Monitoring Service

Questions and Answers

The attached 2 pages provide answers to questions received from potential bidders.

(SIGNED) _____

COMPANY: _____

PLEASE SIGN ONE (1) COPY OF ADDENDUM AND RETURN TO THE PURCHASING DEPARTMENT EITHER PRIOR TO BIDDING OR WITH YOUR BID. RETAIN THE OTHER COPY FOR YOUR FILES.

1. Q: What type of ADS flow meters are currently being used by the City?
A: Generally, Flow Sharks
2. Q: Does the City intend to continue with the ADS flow meters?
A: That depends on the proposals that are received.
3. Q: Who is the current holds the current contract for this project?
A: ADS, LLC
4. Q: Is a pre-proposal meeting or site visit scheduled? If not, can we request a site visit?
A: Site visits are not planned. The flow meters are dispersed throughout the sewer system.
5. Q: Is a flow meter site location map and/or schematic available?
A: Yes, it is attached.
6. Q: Are the flow meter requirements at the 18 permanent sites different than the other sites? Flumes, Scada, hardwired, VAC power, etc..?
A: No, same requirements.
7. Q: In Section 1.1 B.; As stated, 18 sites are designated as permanent and the others subject to relocation. Will the relocation sites be at new locations or previously monitored sites?
A: Either, depending on circumstances.
8. Q: Are the 3 plant effluent sites part of the billing sites?
A: No, but they are part of the permanent sites, that is to say, of the 18 permanent sites, 3 are permanent plant effluent sites and 15 are permanent billing sites.
9. Q: In Section B 8. A. Billing Reports; How is this report different from the "Monthly Reports"? Can we obtain an example of both?
A: Billing reports are specific to the billing monitors; monthly reports present data from all monitors deployed in the field. An example billing report is attached; monthly reports are automated and cannot be provided at this time..

10. Q: In Section B 9. Comprehensive Performance Reports; What types of I/I Analysis equations or parameters are to be utilized? Infiltration- GPD per Diameter mile, Inflow -Gallons per LF, etc?

A: Quantitative analysis in the terms suggested would certainly be acceptable; qualitative comparisons of best v. worst mini-basins would also be useful

11. Q: In Section 3.2 B. 1.f.; "... place in service new flow monitors and/or rain gauges ...". Does "new" apply to mounting hardware as well?

A: The 'new' requirement is primarily for electronic equipment, but may include mounting hardware in some circumstances.

12. Q: On the Pricing request; Item 1: What is the scope of work for "Comprehensive Monitoring Network Maintenance Services"? It's not specifically described in the RFP.

A: Whatever is required to maintain the measurement network in satisfactory operating condition.

13. Q: On the Pricing request; Item 4: Is the Rain Gauge a stand alone or combined with a flow meter?

A: Rain Gauges would more than likely be stand alone items.

14. Q: On the Pricing request; Item 4: Rain Gauge Purchase. Does the City want to own them or rent them?

A: The City currently owns twelve gauges that are reported and maintained in the same fashion as the leased flowmeters

15. Q: On the Pricing request; Item 2 & 6: What is the difference between "Flowmeter Installation" and "Site Relocation"?

A: Flowmeter installation would be specific to one site; Site Relocation would be removing a meter from one site and installing it at another.

16. Q: On the Pricing request; Item 7 & 8: What is the difference between "Data Collection and Reporting" and "Data Analysis and Monthly Report"?

A: Data Collection and Reporting is more of a day to day collection and maintenance routine to ensure that field equipment is generating the data required; Data Analysis and Monthly Reporting is the periodic analysis and reporting of the flow and rain gauge data.

Billing Sites Daily Flow

DATE	RG03 (inches)	CH01 (Mg/d)	CH02 (Mg/d)	CH03 (Mg/d)	CH04 (Mg/d)	CH15C (Mg/d)	CH24 (Mg/d)	CH25 (Mg/d)	CH27 (Mg/d)	CH28 (Mg/d)	CH29 (Mg/d)	CH30 (Mg/d)	CH31 (Mg/d)	CITY GREEN (Mg/d)	ER01 (Mg/d)	PS19 (Mg/d)
10/1/2013	0.00	0.487	0.509	0.024	0.305	1.717	0.260	0.582	0.172	0.343	0.023	0.048	0.015	0.024	2.029	0.041
10/2/2013	0.00	0.494	0.505	0.023	0.314	1.717	0.230	0.587	0.170	0.309	0.026	0.043	0.013	0.024	2.012	0.033
10/3/2013	0.00	0.486	0.497	0.022	0.307	1.691	0.228	0.576	0.180	0.303	0.024	0.044	0.014	0.025	1.984	0.032
10/4/2013	0.00	0.442	0.486	0.022	0.300	1.717	0.254	0.568	0.172	0.314	0.024	0.046	0.012	0.022	2.000	0.030
10/5/2013	0.00	0.449	0.489	0.024	0.313	1.212	0.287	0.595	0.168	0.309	0.025	0.049	0.013	0.022	2.065	0.037
10/6/2013	0.23	0.468	0.478	0.023	0.315	1.534	0.288	0.660	0.178	0.320	0.023	0.049	0.014	0.026	2.105	0.038
10/7/2013	0.02	0.443	0.491	0.024	0.304	1.677	0.284	0.687	0.188	0.307	0.022	0.043	0.015	0.028	2.139	0.033
10/8/2013	0.00	0.442	0.460	0.025	0.365	1.622	0.260	0.600	0.181	0.302	0.024	0.046	0.013	0.023	2.034	0.033
10/9/2013	0.00	0.425	0.447	0.021	0.379	1.616	0.238	0.597	0.165	0.312	0.027	0.042	0.012	0.025	2.024	0.031
10/10/2013	0.00	0.436	0.425	0.021	0.351	1.567	0.244	0.595	0.174	0.312	0.026	0.044	0.013	0.023	2.017	0.033
10/11/2013	0.00	0.403	0.425	0.022	0.352	1.563	0.246	0.581	0.178	0.312	0.023	0.047	0.013	0.023	1.991	0.035
10/12/2013	0.00	0.381	0.428	0.023	0.325	1.155	0.252	0.606	0.189	0.309	0.022	0.043	0.013	0.025	2.030	0.037
10/13/2013	0.00	0.391	0.425	0.025	0.328	1.468	0.261	0.634	0.201	0.295	0.026	0.044	0.013	0.028	2.048	0.039
10/14/2013	0.00	0.425	0.420	0.024	0.332	1.562	0.266	0.586	0.205	0.301	0.026	0.048	0.013	0.026	1.951	0.037
10/15/2013	0.00	0.442	0.424	0.020	0.339	1.548	0.258	0.570	0.180	0.301	0.022	0.045	0.013	0.023	1.914	0.027
10/16/2013	0.03	0.461	0.431	0.020	0.351	1.558	0.239	0.584	0.176	0.301	0.021	0.046	0.013	0.024	1.957	0.030
10/17/2013	0.19	0.467	0.435	0.022	0.336	1.498	0.244	0.620	0.171	0.298	0.024	0.046	0.013	0.023	1.989	0.034
10/18/2013	0.00	0.440	0.445	0.021	0.308	1.529	0.255	0.584	0.175	0.295	0.022	0.045	0.013	0.025	1.937	0.043
10/19/2013	0.00	0.446	0.433	0.021	0.260	1.075	0.224	0.579	0.172	0.277	0.021	0.048	0.014	0.021	1.982	0.034
10/20/2013	0.00	0.454	0.426	0.020	0.235	1.372	0.247	0.627	0.174	0.298	0.026	0.044	0.014	0.027	1.974	0.047
10/21/2013	0.00	0.454	0.438	0.022	0.236	1.431	0.228	0.478	0.171	0.326	0.023	0.046	0.014	0.023	1.943	0.041
10/22/2013	0.00	0.444	0.437	0.019	0.239	1.452	0.226	0.574	0.158	0.353	0.026	0.044	0.014	0.024	1.899	0.044
10/23/2013	0.00	0.454	0.436	0.020	0.245	1.452	0.228	0.576	0.156	0.299	0.022	0.048	0.014	0.024	1.860	0.038
10/24/2013	0.00	0.450	0.400	0.019	0.242	1.434	0.224	0.573	0.177	0.292	0.024	0.044	0.015	0.023	1.833	0.052
10/25/2013	0.00	0.421	0.393	0.018	0.250	1.525	0.227	0.552	0.163	0.299	0.027	0.046	0.013	0.024	1.880	0.052
10/26/2013	0.00	0.440	0.386	0.019	0.252	1.105	0.243	0.597	0.166	0.304	0.026	0.045	0.014	0.024	2.008	0.044
10/27/2013	0.00	0.440	0.398	0.022	0.262	1.330	0.221	0.628	0.187	0.293	0.026	0.047	0.014	0.027	1.982	0.052
10/28/2013	0.01	0.464	0.407	0.021	0.281	1.488	0.274	0.577	0.190	0.297	0.026	0.047	0.015	0.026	1.948	0.169
10/29/2013	0.00	0.450	0.409	0.018	0.260	1.444	0.210	0.575	0.176	0.290	0.026	0.050	0.014	0.022	1.890	0.043
10/30/2013	0.00	0.448	0.407	0.020	0.264	1.466	0.255	0.545	0.177	0.294	0.023	0.048	0.013	0.023	1.900	0.050
10/31/2013	0.02	0.442	0.413	0.019	0.303	1.474	0.233	0.494	0.190	0.289	0.023	0.051	0.013	0.024	1.853	0.040
Total Volume (Mg)	0.50	13.789	13.603	0.664	9.253	45.999	7.634	18.087	5.480	9.454	0.749	1.426	0.419	0.751	61.178	1.329
Avg. Daily Flow (Mg/d)	N/A	0.445	0.439	0.021	0.298	1.484	0.246	0.583	0.177	0.305	0.024	0.046	0.014	0.024	1.973	0.043

City of Chattanooga
Flow Monitor Locations
January 31, 2014

