

September 18, 2017

From: Chris Jerdonek, OSVTAC Chair

To: Open Source Voting System Technical Advisory Committee (OSVTAC)

RE: Election Management System (EMS) and Dominion Voting System Costs

At the August 30, 2017 OSVTAC meeting, Member Hage asked about San Francisco's EMS and voting system costs.

Attached are two documents:

1. Page 24 of a contract with DFM Associates signed by Director John Arntz on June 1, 2011 listing the EMS costs.
2. A spreadsheet I put together listing the up-front and annual costs for San Francisco's Dominion Voting System, broken down by various categories and also with calculated total and per-year costs.

**Appendix D
Fee Schedule**

Contract Deliverables

Deliverable	Amount	Description
Licensed Software	170,820.00	Due net 30 days from signing of Agreement
Installation and Acceptance Testing of All Non-ICR/OCR Elements (Phase 1)	38,982.00	Due net 30 days from acceptance of Phase 1
Installation and Acceptance Testing of ICR/OCR Elements (Phase 2)	52,750.00	Due net 30 days from acceptance of Phase 2
Documentation – Escrow Agreement, Written Procedures, and System Documentation	2,000.00	Due net 30 days from receipt of documentation
Maintenance and Support in Year Two	170,820.00	Due net 30 days from receipt of annual invoice
Maintenance and Support in Year Three	170,820.00 - 182,777.40	Due net 30 days from receipt of annual invoice
Maintenance and Support in Year Four	170,820.00 - 195,571.80	Due net 30 days from receipt of annual invoice
Maintenance and Support in Year Five	170,820.00 - 209,261.80	Due net 30 days from receipt of annual invoice
Maintenance and Support in Year Six	170,820.00 - 223,910.20	Due net 30 days from receipt of annual invoice
Maintenance and Support in Year Seven	170,820.00 - 239,583.90	Due net 30 days from receipt of annual invoice
Maintenance and Support in Year Eight	170,820.00 - 256,354.80	Due net 30 days from receipt of annual invoice
Maintenance and Support in Year Nine	170,820.00 - 274,299.60	Due net 30 days from receipt of annual invoice

Year	Hardware*	Software**	Other		Per Election Services	Election Services Total	Year Total	Total (cumulative)	Years	Per Year Total (cumulative)	Notes
Initial	\$6,528,933.25	\$1,400,000.00	\$1,708,000.00				\$9,636,933.25				
2008***	\$0.00	\$0.00		2	\$497,400.00	\$994,800.00	\$994,800.00	\$10,631,733.25	1	\$10,631,733.25	
2009	\$203,800.00	\$182,500.00		1	\$497,400.00	\$497,400.00	\$883,700.00	\$11,515,433.25	2	\$5,757,716.63	
2010	\$203,800.00	\$182,500.00		2	\$497,400.00	\$994,800.00	\$1,381,100.00	\$12,896,533.25	3	\$4,298,844.42	
2011	\$203,800.00	\$182,500.00		1	\$497,400.00	\$497,400.00	\$883,700.00	\$13,780,233.25	4	\$3,445,058.31	End of initial four-year contract.
2012	\$203,800.00	\$182,500.00		2	\$497,400.00	\$994,800.00	\$1,381,100.00	\$15,161,333.25	5	\$3,032,266.65	
2013	\$203,800.00	\$182,500.00		1	\$497,400.00	\$497,400.00	\$883,700.00	\$16,045,033.25	6	\$2,674,172.21	After initial two-year extension.
2014	\$203,800.00	\$182,500.00		2	\$497,400.00	\$994,800.00	\$1,381,100.00	\$17,426,133.25	7	\$2,489,447.61	
2015	\$203,800.00	\$182,500.00		1	\$497,400.00	\$497,400.00	\$883,700.00	\$18,309,833.25	8	\$2,288,729.16	
2016	\$203,800.00	\$182,500.00		2	\$497,400.00	\$994,800.00	\$1,381,100.00	\$19,690,933.25	9	\$2,187,881.47	After third extension.
2017	\$254,750.00	\$228,125.00		0	\$662,004.00	\$0.00	\$482,875.00	\$20,173,808.25	10	\$2,017,380.83	
2018	\$254,750.00	\$228,125.00		2	\$662,004.00	\$1,324,008.00	\$1,806,883.00	\$21,980,691.25	11	\$1,998,244.66	After fourth extension (approved).
Total	\$8,668,833.25	\$3,316,250.00	\$1,708,000.00			\$8,287,608.00		\$21,980,691.25			
Notes:											
The initial contract was four years with options to renew two additional years.											
*The per-year hardware costs (i.e. after the "initial") are for hardware maintenance (i.e. parts and repairs).											
**The per-year software costs (i.e. after the "initial") are the software license fees.											
***The hardware maintenance and software license fees for 2008 were included in the initial cost.											
The numbers above are not adjusted for inflation to be in "today's dollars."											
Source:											
The numbers in this spreadsheet for 2008 to 2011 come from the following document provided to me by Director Arntz: City and County of San Francisco, Office of Contract Administration, Purchasing Division, First Amendment ("San Francisco Purchase Agreement First Amendment 01/18/08"). The numbers for 2012 to 2016 come from SF LAFCo's draft "Study on Open Source Voting Systems," dated May 13, 2015.											