STATE OF COLORADO
Department of State

1700 Broadway
Suite 200
Denver, CO 80290

Wayne W. Williams

Secretary of State

Judd Choate
Director, Elections Division

November 5, 2015

Dear UVS Providers:

I send this communication on behalf of the Pilot Election Review Committee and Secretary of State Williams, in order to address the following issues:

- Section I confirms in writing the current status of the UVS Request for Proposal dated October 1, 2013
- Section II addresses the Pilot Election Review Committee (PERC) meeting on November 13, 2015, to which providers are invited to make presentations to the committee
- Section III requests each system provider to supply recommended system configurations for the average county six different county tiers, and final-and-best pricing for those recommended systems, in the Cost Proposal Workbook that accompanies this letter
- Section IV requests each provider to supply updated audited financial statements
- Section V requests each provider to submit two narrative documents, one in advance of the PERC meeting on November 13th, and the other in advance of the PERC meeting on December 4th
- Section VI discusses in more detail the six different county tiers under Colorado's current election model.

I) <u>RFP Cancelation</u>. As a prefatory note, please allow me to confirm in writing that the Department of State has canceled the Uniform Voting System Request for Proposal issued October 1, 2013 (RFP No. CDOS-UVS-2013-01). We have taken this action because, in announcing the pilot elections, Secretary Williams adopted the recommendations of the UVS Advisory Committee and the UVS Public Participation Panel. The recommendations of both public panels deviated from the formal procurement procedures contemplated by the RFP. In addition, due to the passage of time or Colorado-specific legal requirements, several providers obtained temporary approval of voting systems that differ from those proposed in the original RFP responses. In short, we have canceled the RFP because the process for selecting a uniform voting system has changed over time, and is no longer accurately described in the original RFP. Secretary Williams remains committed to the UVS initiative, which will continue under the auspices of the Pilot Election Review Committee.

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Although the original RFP has been canceled, we sometimes refer to its appendices and schedules below, as an expedient way of explaining the format in which we request providers to submit updated or supplemental information.

II) <u>November 13, 2015 Meeting of the Pilot Election Review Committee</u>. We invite providers to make presentations to and answer questions of the Pilot Election Review Committee, according to the following alphabetical schedule:

9:00AM – 10:00AM	Clear Ballot Group presentation
10:00AM – 10:30AM	Committee Q&A with Clear Ballot Group
10:30-10:45AM	Break
10:45AM – 11:45AM	Dominion Voting Systems presentation
11:45AM – 12:15PM	Committee Q&A with Dominion Voting Systems
12:15PM – 1:00PM	Lunch (Note: We will provide lunch for committee members only)
1:00PM – 2:00PM	Election Systems and Software presentation
2:00PM – 2:30PM	Committee Q&A with Election Systems & Software
2:30PM – 2:45PM	Break
2:45PM – 3:45PM	Hart InterCivic presentation
3:45PM – 4:15PM	Committee Q&A with Hart InterCivic
4:15PM	New business; adjournment

A) <u>Content of presentations</u>: Providers should view their presentations as an opportunity to explain in person why their systems should be selected as Colorado's uniform voting system. The committee requests that both qualified technical and sales representatives attend the meeting on behalf of each provider, so that any questions regarding the design, operation, pricing and customer service issues can be meaningfully addressed. Other than that, the content of each presentation is up to each individual provider. In this regard, providers may but are not required to:

- Discuss their experience in, and the performance of their temporarily approved voting system during, the 2015 Coordinated Election. (Note: Representatives of the pilot counties will be afforded the opportunity to describe their experiences with the various voting systems at the committee's hearing on December 4th);

- Demonstrate the operation of their voting system and components.

- Discuss planned improvements and enhancements to the temporarily approved systems, and describe expectations for completing system development and obtaining federal or state certifications;

- Discuss other products and services offered by the provider that were not part of the Colorado temporary approval campaign, such as ballot-on-demand, electronic ballot delivery, and election night reporting technology or platforms;

- Inform the committee of other issues the provider believes gives it a competitive advantage.

B) Housekeeping items:

- If providers want to demonstrate product offerings with actual units, please contact edward.morgan@sos.state.co.us to make shipping and room setup arrangements. Equipment setup will need to occur after 5PM on Thursday, November 12th, and early on Friday, November 13th. Department of State staff will be available to assist with room setup until 10PM on the 12th, and at 6AM and during the scheduled breaks on the 13th.

- Please let us know your anticipated power supply needs at your earliest convenience, so that we can arrange to have an adequate number of extension cords, power strips, etc.

- PowerPoint and similar presentations can be emailed in advance to edward.morgan@sos.state.co.us. Alternatively, you can bring them with you on a laptop (which we can connect to our A/V system via VGA), or on a thumb drive (which can be inserted into our meeting room computer). Our security protocols require our IT Department to scan external media connected to our computers, but that process takes a matter of seconds and our IT staff will be available to perform this task before the meeting starts. If you do not provide us with a copy of the presentation in advance, we will request one immediately before the meeting, so we can post it to PERC's page on our website.

- PERC meetings audio is webcast to members of the public. For the November 13th meeting, we intend to video record the each provider's presentation and product demonstrations. We cannot webcast the video, but will post it separately after the meeting to PERC's page on our website.

III) Cost Proposal Workbook. We request each provider to provide the following information in appropriate tabs of the Cost Proposal Workbook that accompanies this letter.[1] Please

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[1] With a few exceptions, the Cost Proposal Workbook that accompanies this letter generally follows the same format as the original RFP's Appendix C - Cost Proposal Worksheet. The tabs have been renumbered to accommodate the six county tiers, however.

submit the completed Cost Proposal Workbook via email to pilot.elections@sos.state.co.us, between 8AM – 12PM MST on Thursday, November 12, 2015.

A) <u>Recommended System Configurations for Average County in Six County Tiers (Tabs 1.1, 1.2, 1.3, 1.4, 2.0, and 3.0)</u>. We request each provider to recommend a specific system configuration for the average county in each of 6 different county tiers. Providers should separately itemize the recommended hardware and software components for each recommended configuration. Data regarding the county tiers are contained in the County Tier Workbook that accompanies this letter, and we explain the related concepts in more detail in part VI of this letter.

B) <u>Final and Best Pricing – Hardware Purchase and Lease Costs (Tab 4.0)</u>. For each hardware component itemized in any of your recommended system configurations, please provide us with a final and best price to purchase and lease the component. Please specify the material terms and conditions of any offered equipment leasing arrangements. For each hardware component, please also specify annual firmware license fees, if any, and state whether the first year's firmware license fees are included in the purchase and/or annual lease costs.

C) <u>Final and Best Pricing – Software Purchase and Lease Costs (Tab 5.0)</u>. For each software application or module itemized in any of your recommended system configurations, please specify the final and best price to purchase or lease the application. As with hardware components, we also request you to specify material terms and conditions of any software lease arrangements, itemize annual software license fees, and specify whether the first year's license fees are included in the acquisition or lease price.

D) <u>Project Labor (Tab 6.0)</u>. For the average county in each county tier, please itemize any project management, training, implementation/installation/configuration/acceptance testing, and other similar costs for qualified representatives of your organization to deploy the recommended system configuration onsite at acquiring counties.

E) <u>Post-implementation Support Costs (Tab 7.0)</u>. For the average county in each county tier, please list the costs associated with warranty, operations support, maintenance support and application support over a 4-year period, including the time of acquisition.

F) <u>Miscellaneous Cost Table (Tab 8.0)</u>. For the average county in each county tier, enter any miscellaneous costs associated with documentation, non-training travel, training travel, escrow agent, and other costs associated with implementing your solution in the average county for each county tier.

G) <u>Hourly Rate Table (Tab 9.0)</u>. List position descriptions for your billable personnel and the hourly rates you charge for their services during the warranty period and the projected rates for the following three years of support.

IV) <u>Company Financials</u>: Please provide updated financial statements for your company, in the manner specified by section 5.3.5 of the original RFP.

    A) <u>Original RFP requirement</u>: For ease of reference, section 5.3.5 of the original RFP stated:

    You must provide company financial information. If the company is publicly traded, include a financial statement for the last two years, which includes at a minimum, a profit and loss statement and a balance sheet. If the company is not publicly held, submit a copy of the most recently audited financial statement and organization/financial structure of your company. Unaudited financial statements or Dun and Bradstreet reports alone are unacceptable and, if submitted without additional supporting documentation, may be grounds to eliminate the company from consideration. You must identify any financial information (except public information for a publicly held company) that should be treated as confidential and should be used for the proposal evaluation only.

    You must also include a statement of your other contractual obligations that might have an influence on your capabilities to perform the conditions of a contract resulting from this RFP process. Examples of influences are personnel constraints or a financial condition deemed to be a risk to CDOS for successful performance of a subsequent contract.

    CDOS may disqualify from consideration any Vendor who is involved in bankruptcy proceedings.

    B) <u>Submission method</u>: Please submit updated financial information in paper format by 5:00PM on Friday, November 13, 2015, to: Gary Zimmerman, Chief of Staff, Colorado Department of State, 1700 Broadway, Suite 200, Denver, CO 80290. Please be sure to identify whether some or all of your updated financial statements should be treated as confidential.

V) <u>Provider Narratives</u>. In separate Word documents, please provide the following information on the dates indicated.

    A) <u>Narrative for November 13th Meeting</u>: Please submit the following information in a Word document by email to pilot.elections@sos.state.co.us, between 8AM – 12PM MST on Thursday, November 12, 2015. Providers may discuss some or all of this information in their presentations on November 13th.

        1) <u>Near-term plans for enhancements to or further development of temporarily approved voting system</u>. Please describe your current plans, if any, to enhance or further develop the temporarily approved voting system within the next 12 months. Please specify the dates on which you expect to complete the development or enhancement, and the dates on which you expect to commence and complete certification by federal or state authorities, if applicable.

2) <u>Other Products and Services Offered</u>. Colorado does not regard ancillary or dependent systems – such as electronic ballot delivery, ballot-on-demand, and election night reporting systems – as part of a voting system that requires testing and certification. As a result, we did not learn about any ancillary systems you offer as part of your temporary approval campaign. In the event your organization offers these or other products and services, please describe them in your narrative document. Although currently the Secretary of State provides electronic ballot delivery and election night reporting system on a statewide basis, we are certain that individual counties will be very interested in the acquisition and carrying costs of any ballot-on-demand systems you offer. If available, please provide cost estimates for these products and services.

B) <u>Narrative for December 4th PERC meeting</u>: Please submit the following information in a separate Word document via email to pilot.elections@sos.state.co.us, between 8AM – 5PM MST on Tuesday, December 1, 2015:

1) <u>Preliminary Project Schedule and Staffing Plan</u>. At the time of the original RFP, the exact number of initial UVS counties was not known. For that reason, Section 5.3.12 of the original RFP requested you to provide a preliminary project schedule and staffing plan for a "large Colorado Target County…." Since the original RFP, the committee surveyed all Colorado counties and has determined that, at this juncture, 24 counties tentatively plan to convert to the new voting system before the June 28, 2016 Primary Election. Please update the preliminary project schedule and staffing plan submitted with your original RFP response, to show how your organization will support the transition of the 24 counties before the 2016 Primary Election, giving due regard to the certification application and testing schedule set forth in the attached UVS timeline.

2) <u>Proposed Staffing</u>. Section 5.3.13 of the original RFP requested you to identify and provide information about proposed staffing to implement UVS. To the extent necessary, please update your original RFP response on this issue.

3) <u>Updated Schedule of Activities in Other Jurisdictions</u>. Please provide us with the information regarding your activities in other jurisdictions. For each of the following categories, please list the individual jurisdictions, and provide the name, title, telephone number and email address of your organization's principal local contact.

(a) Jurisdictions in which provider has deployed the temporarily approved (or a substantially similar) voting system;

(b) Jurisdictions in which provider has contractually committed to deploy voting system(s) in 2016-2020;

(c) Jurisdictions in which provider has an outstanding offer but has not yet contracted to deploy voting system(s) in 2016-2020.

VI) <u>County Tiers</u>

    A) Explanation of Methodology: In the Cost Proposal Workbook, that accompanies this letter, each provider is requested to recommend a configuration of its temporarily approved voting system suitable for use by the "average" county in each of six separate county tiers. The individual county tiers are predicated on the number of voters in active status, plus the number of voters in status "inactive – failed to vote" (I-FTV) status, as of the 2012 General Election.[2] For counties within certain tiers, the sum of those two voter registration counts determines the minimum number of Voter Service and Polling Centers the county is required to open and operate on Election Day. In most county tiers, the minimum number of Election Day VSPCs is typically higher (and never less) than the minimum number of VSPCs during the early voting period.

    Most counties want to acquire a voting system capable of tabulating the highest projected daily volume of mail and in-person ballots in any given election. Colorado's current election model was first adopted in 2013, and represents a mail ballot/same-day registration/vote center hybrid. In the three statewide elections conducted thus far, approximately 95% of electors vote by mail ballot, and 5% vote in-person at voter service and polling centers. Our methodology assumes this mix of mail and in-person voters will continue in the future. The highest voter turnout experienced thus far – 69% of active voters – occurred in the 2014 General Election. With few, immaterial exceptions, all Colorado counties experienced the highest single-day mail and in-person ballot volume on Election Day, a pattern we currently expect to recur in future elections.

    Although Colorado has not yet conducted a presidential election under its new model, we have extrapolated Election Day volumes of mail and in-person ballots by adjusting the 2014 General Election volumes for the higher statewide turnout experienced in Colorado's two most recent presidential elections (92% of active voters in both 2008 and 2012). The system configurations you recommend should be capable of processing in twelve hours the highest projected daily volume of mail ballots and in-person voters per VSPC for the average county in each particular tier, assuming an 8.5 x 18", double-sided (duplex) ballot. The raw and average statistics for Colorado's 64 counties and the 6 county tiers are contained in the County Tier Workbook accompanying this letter. These data are summarized in Table A, immediately below:

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[2] As used hereafter, the term "active voter" includes both voters in active status and those in inactive-failed to vote (I-FTV) status as of the 2012 General Election. This is because the legislation that transformed Colorado's election model – House Bill 13-1303 (HB 1303) – eliminated the I-FTV status, and required the Secretary of State to convert all I-FTV voters to active status. Therefore, the current number of active voters in the state and each county includes all former I-FTV voters as of the 2012 General Election.

TABLE A – COUNTY TIERS	Tier 1.1	Tier 1.2	Tier 1.3	Tier 1.4	Tier 2	Tier 3
Tier definition – sum of active and I-FTV voters as of 2014 General Election (2014G)	300,000 or more	200,000-299,999	100,000-199,999	25,000-99,999	10,000-24,999	9,999 or less
No. of counties in tier	4	2	3	6	14	35
Avg. no. of active voters for counties in tier	349,888	208,576	173,533	50,463	15,427	4,072
Avg. total mail ballots in 2014 General Election (2014G)	226,892	131,697	118,954	33,313	10,487	2,839
Avg. highest daily volume of mail ballots-2014G	47,980	28,310	25,060	6,673	1,906	513
Avg. total in-person ballots-2014G	11,689	8,740	6,445	1,334	468	84
Avg. highest daily volume of in-person ballots-2014G	8,575	6,324	4,830	967	335	53
Avg. minimum number of Election Day VSPCs required	23	14	11	4	3	1
Avg. highest daily volume of in-person ballots per Election Day VSPC-2014G	377	468	426	252	112	53
Projected avg. total mail ballots in 2016 Presidential Election (2016P)	**301,766**	**175,157**	**158,209**	**44,306**	**13,947**	**3,776**
Projected avg. highest daily volume of mail ballots-2016P	**63,813**	**37,652**	**33,330**	**8,875**	**2,534**	**683**
Projected avg. total in-person ballots cast-2016P	**15,547**	**11,624**	**8,572**	**1,774**	**622**	**112**
Projected avg. highest daily volume of in-person ballots per Election Day VSPC-2016P	**501**	**623**	**567**	**336**	**149**	**71**

B) Practical Issues Concerning System Configurations: In recommending system configurations, providers should be aware of the following practical considerations and nuances of Colorado law:

1) <u>Accessible voting devices are required</u>: Colorado law requires the counties to deploy one or more accessible voting devices in the required minimum number of Election Day VSPCs, whether or not the county in question had any in-person voters in the 2014 General Election, or any other election.

2) <u>Polling place tabulators are optional</u>: County clerks may but are not required to equip each or any VSPC with a tabulation device. The clerk and recorder of each county has the discretion to implement a procedure under which in-person electors vote on paper ballots (marked manually or with ballot marking devices) and deposit their voted ballots into ballot boxes, which election judges periodically return to the county's central counting facility for tabulation. Please provide final and best pricing for polling location tabulation devices, if offered with your system. We will separately calculate the costs of equipping VSPCs for all county tiers – with and without polling location tabulators – when we compile information from all providers.

3) <u>Full and Minimal EMS Solutions</u>: Colorado law does not require all counties to acquire voting system components needed to build their own election databases, or layout, format and edit ballot styles. Over one-half of Colorado's 64 counties currently own legacy systems with components that enable them only to program voting devices, tabulate ballots and report results. These counties contract with their provider to build the voting system database, layout ballots, and generate ballot artwork for their ballot printing vendors. In the Cost Proposal Workbook, we ask you to provide cost estimates for both full and minimal election management-data management solutions. Counties interested in the full solution will be able to do their own programming, and counties with the minimal solution will engage the vendor to provide programming services for each election.

4) <u>Purchase and Lease Options</u>: Colorado counties are permitted to acquire certified voting systems in any manner that best suits their needs, as determined by the respective board of county commissioners. The counties are interested in the cost of all available methods of acquisition: outright purchase or lease. We ask you to provide cost estimates for each of these acquisition methods, to the extent your organization offers them.

Thank you all for the time and energy you have devoted to Colorado's UVS initiative thus far, and for all that you did to assist the pilot counties successfully conduct their 2015 Coordinated Elections. We look forward to seeing you on November 13th, and please do not hesitate to contact me if you have any questions.

Very truly yours,

Dwight Shellman

Dwight K. Shellman
County Support Manager
Elections Division | Colorado Department of State

UNIFORM VOTING SYSTEM TIMELINE

EVENT	RESPONSIBLE PARTY/PARTIES	DATE
Deadline to file Applications for Temporary Approval/Use with State Elections Division Voting Systems Team, together with Technical Data Package (TDP) consisting of all system documentation, and certifications and test reports from other jurisdictions (if any)	Voting System Providers	4/6/2015
Completion of documentation review	Voting Systems Team	4/13/2015
Create test plan for previously untested 2002 VSS and Colorado specific requirements	Voting Systems Team Voting System Providers Voting System Testing Labs (VSTLs)	4/20/2015
Finalize Test Plan Agreement	Voting Systems Team Voting System Providers	4/23/2015
Complete testing per Test Plan Agreement	VSTL	6/19/2015
Review test results and conduct additional testing, if necessary	Voting Systems Team	7/14/2015
Issue Temporary Use Approvals for compliant systems	Secretary of State	7/31/2015
Deploy pilot system components to counties; install trusted build	Voting System Providers Voting Systems Team	8/14/2015
Ballot certification deadline for Coordinated Election	Pilot counties	9/04/2015
UOCAVA ballot deadline	Pilot counties	9/19/2015
Deadline to send mail ballots to domestic voters	Pilot counties	10/16/2015
2015 Coordinated Election	Pilot counties	11/3/2015
Deadline to complete canvass and report post-election audit	Pilot counties	11/20/2015
Feedback and data from stakeholders submitted for evaluation and ranking by PERC	Pilot counties Secretary of State observers	12/1/2015
Recommendation of UVS finalist(s) to Secretary	PERC	12/15/2015
Selection of UVS finalist(s)	Secretary of State	12/31/2015
Deadline for finalist(s) to file Applications for Certification with State Elections Division Voting Systems Team, together with Technical Data Package (TDP) consisting of all system documentation, prior certifications and test reports	Voting System Provider finalist(s)	1/19/2016
Completion of documentation review	Voting Systems Team	1/26/2016
Prepare and finalize Test Plan Agreement, if final system differs from system temporarily authorized	Voting Systems Team Voting System Provider finalist(s) VSTL	1/29/2016
Complete supplemental testing, if necessary	VSTL	2/15/2016
Certification of system, issuance of conditions of use (if any), and county authorization to purchase	Secretary of State Voting Systems Team	3/1/2016
Finalist(s) deploy system components to acquiring counties	Voting System Provider finalist(s)	3/15/2016
Install trusted build at acquiring counties	Voting Systems Team	4/4/2016
Ballot certification deadline for Primary Election	Counties	5/2/2016
UOCAVA ballot deadline	Counties	5/14/2016
Deadline to send mail ballots to domestic voters	Counties	6/10/2016
Primary Election	Counties	6/28/2016

County	Actives Electors-11/2012	Active Electors-10/2015	Total Electors (Active+Inactive+Prereg)-10/2015	Tentative Acquisition Date	Total Mail Ballots Cast - 2014G	Total Election Day Mail Ballots-2012G	Total In-person Ballots Cast-2014G	Total Election Day In-person Ballots-2014G	Min Gen Elec Day VSPCs thru 2016
Arapahoe	340,839	325,736	387,428	2016	214,513	43,293	12,676	9,246	22
Denver	354,536	346,207	425,832	2016	219,762	57,867	15,553	11,309	23
El Paso	350,197	342,162	414,338	No plans	223,056	37,687	8,493	6,374	23
Jefferson	353,979	350,116	401,181	2016	250,237	53,072	10,035	7,371	23
Adams	210,622	209,126	243,479	2016	125,304	27,196	7,514	5,728	14
Larimer	206,530	204,122	235,089	2017	138,090	29,423	9,966	6,919	13
Boulder	197,393	190,921	246,449	2017	135,891	28,022	8,429	5,890	13
Douglas	186,500	191,403	224,287	2017	133,952	26,675	5,637	4,535	12
Weld	136,707	141,527	162,672	2016	87,020	20,483	5,269	4,064	9
Broomfield	36,599	37,537	44,364	2016	26,491	5,326	1,551	1,148	3
Eagle	27,032	26,759	31,797	2016	17,748	4,464	24	5	3
Garfield	28,213	28,841	32,533	2019	19,406	5,313	260	240	3
La Plata	34,122	32,744	40,750	2017	21,662	5,165	1,549	1,020	3
Mesa	84,736	81,363	108,908	2016	56,199	10,057	2,490	1,902	5
Pueblo	92,073	90,449	107,402	2016	58,369	9,712	2,131	1,487	6
Chaffee	11,854	11,653	13,574	2016	8,748	1,190	336	226	3
Delta	17,974	17,894	20,798	No plans	13,186	2,088	490	351	3
Elbert	16,266	16,274	18,167	No plans	12,338	2,455	305	232	3
Fremont	24,610	24,831	28,260	No plans	16,892	3,642	716	480	3
Logan	10,599	10,647	12,554	2016	7,664	871	217	169	3
Montezuma	15,491	14,741	18,582	No plans	9,865	2,277	0	0	3
Montrose	22,939	22,560	25,273	2020	16,149	1,849	746	492	3
Morgan	13,172	12,908	14,533	2017	8,598	1,169	405	338	3
Otero	10,110	9,874	11,352	2017	6,834	1,332	3	3	3
Park	11,099	11,004	13,085	2016	8,001	1,204	137	98	3
Pitkin	11,704	11,887	14,461	2016	6,698	1,497	1,165	763	3
Routt	15,873	15,183	18,581	2017	10,264	1,890	410	296	3
Summit	18,361	18,073	25,119	2018	10,408	2,728	1,287	1,060	3
Teller	15,921	15,220	17,821	2016	11,167	2,486	330	185	3
Alamosa	7,859	7,409	8,845	2019	5,232	823	61	58	1
Archuleta	7,938	7,876	9,609	2017	5,583	1,175	0	0	1
Baca	2,539	2,474	2,762	2016	1,898	237	51	26	1
Bent	2,351	2,242	2,755	2016	1,630	390	0	0	1
Cheyenne	1,272	1,286	1,402	No plans	1,037	178	31	22	1
Clear Creek	6,677	6,425	7,509	2017	4,507	913	227	151	1
Conejos	4,912	4,708	5,578	No plans	3,531	530	56	27	1
Costilla	2,351	2,343	2,769	2017	1,515	239	0	0	1
Crowley	1,782	1,757	1,987	No plans	1,360	202	0	0	1
Custer	3,077	3,125	3,508	No plans	2,502	220	51	24	1
Dolores	1,470	1,390	1,633	No plans	1,002	129	0	0	1
Gilpin	4,145	4,257	4,784	2016	2,698	567	255	168	1
Grand	9,624	9,559	10,962	2017	6,776	1,302	203	104	1
Gunnison	9,804	9,815	11,912	2016	7,109	1,987	0	0	1
Hinsdale	680	643	692	No plans	542	79	0	0	1
Huerfano	4,251	4,170	4,674	No plans	3,279	544	0	0	1
Jackson	1,253	1,002	1,180	No plans	786	102	0	0	1
Kiowa	951	956	1,026	2019	795	74	0	0	1
Kit Carson	4,288	4,143	4,735	2017	3,085	504	86	71	1
Lake	4,677	3,638	5,128	2016	2,159	659	429	219	1
Las Animas	8,276	7,718	9,601	2017	5,446	839	326	168	1
Lincoln	2,625	2,565	2,971	2016	2,028	354	16	10	1
Mineral	754	730	816	2016	635	75	0	0	1
Moffat	7,281	6,808	9,523	No plans	4,759	808	205	149	1
Ouray	3,508	3,526	4,171	No plans	2,660	422	85	51	1
Phillips	2,635	2,597	3,141	2016	2,037	402	0	0	1
Prowers	6,071	5,789	6,940	2017	4,081	762	0	0	1
Rio Blanco	3,894	3,605	4,338	2017	2,746	400	44	38	1
Rio Grande	6,594	6,389	7,624	No plans	4,405	530	140	95	1
Saguache	3,553	3,487	4,230	No plans	2,369	293	80	54	1
San Juan	613	603	733	No plans	478	125	0	0	1
San Miguel	5,055	4,827	5,817	2017	2,927	1,035	389	285	1
Sedgwick	1,561	1,518	1,682	No plans	1,215	172	26	25	1
Washington	2,894	2,820	3,118	2016	2,329	231	67	41	1
Yuma	5,307	5,345	5,969	2016	4,225	660	108	85	1
Totals	2,998,573	2,949,307	3,522,793		1,973,878	408,395	101,060	73,802	252

Averages by County Tier	Tier 1.1	Tier 1.2	Tier 1.3	Tier 1.4	Tier 2	Tier 3
Counties within tier	4	2	3	6	14	35
Avg number of active plus I-FTV electors-2012G	349,888	208,576	173,533	50,463	15,427	4,072
Avg number of active electors-Current	341,055	206,624	174,617	49,616	15,196	3,930
Avg total mail ballots cast-2014 General Election	226,892	131,697	118,954	33,313	10,487	2,839
Avg highest day volume of mail ballots-2014 General Election	47,980	28,310	25,060	6,673	1,906	513
Avg total in-person ballots cast-2014 General	11,689	8,740	6,445	1,334	468	84
Avg highest daily volume of in-person ballots-2014 General	8,575	6,324	4,830	967	335	53
Avg min number of Election Day VSPCs for General Elections	23	14	11	4	3	1
Avg highest daily volume of In-person ballots per Election Day VSPC-2014 General Election	377	468	426	252	112	53
Projected total mail ballots cast - 2016 Presidential Election	301,766	175,157	158,209	44,306	13,947	3,776
Projected highest daily volume of mail ballots - 2016 Presidential Election	63,813	37,652	33,330	8,875	2,534	683
Projected total in-person ballots cast - 2016 Presidential Election	15,547	11,624	8,572	1,774	622	112
Projected highest daily volume of in-person ballots per Election Day VSPC-2016 Presidential Election	501	623	567	336	149	71

State of Colorado

Department of State

Pilot Election Review Committee

Cost Proposal Workbook

COST PROPOSAL WORKBOOK INSTRUCTIONS

1.0 Recommended System Configurations for County Tiers
Recommend a system configuration for the average county in each of the six county tiers, as explained in the cover letter. The recommended system should enable county users to process the projected highest daily volume of mail and in-person ballots for each tier in 12 hours. For central count operations, the configuration should be predicated on the time required to scan 8.5 x 18" double-sided ballots. For Voter Service and Polling Centers, please recommend a system configuration for a single VSPC capable of processing the projected highest daily volume of in-person voters per required VSPC. We will multiply the cost of equipping a single VSPC by the average number of required VSPCs for each separate tier when we compile the information received from all providers. For all operations (back office, central count and VSPCs, please indicate any voting system components that are optional, in the event a county desires to acquire less than the complete solution. Please provide this information separately for each county tier in Tabs 1.1, 1.2, 1.3, 1.4, 2.0, and 3.0 of this workbook.

4.0 Hardware Cost Table
List the description, make, model and unit purchase cost and, if offered, lease cost, of each piece of hardware proposed in any of your recommended system configurations. The hardware cost table also requests you to specify ongoing annual firmware license fees, to the extent applicable for each piece of hardware.

5.0 Software Cost Table
List the description, version and unit purchase cost and, if offered, lease cost, of each software component proposed in your recommended system configurations. The software cost table also requests you to specify ongoing annual software licence fees, to the extent applicable, for each software application or component.

6.0 Project Labor Cost Table
List the description and total cost of each category provided for labor required to deploy and implement your voting system for the average county in each county tier.

7.0 Vendor Hourly Rate Cost Table
List position descriptions for your billable personnel and the hourly rates you charge for their services during the warranty period and the projected rates for the following three years of support.

8.0 Miscellaneous Cost Table
Itemize any miscellanous costs associated with the acquisition or deployment of your voting system in the average county for each tier.

9.0 Hourly Rate Table
List position descriptions for your billable personnel and the hourly rates you charge for their services during the warranty period and the projected rates for the following three (3) years of support.

Tier 1.1-Recommended System Configuration

A. Election Management Solution (including election definition, election data management, ballot layout, editing & generation, tabulation, and results reporting)

Tier 1.1 Recap:	
Average active voters-2012G	349,888
No. of counties in tier	4
Avg min number of Election Day VSPCs required	23
Projected total mail ballots-2016P	301,766
Projected highest daily volume of mail ballots-2016P	63,813
Projected total of in-person ballots cast-2016P	15,547
Projected highest daily volume of in-person ballots per VSPC-2016P	501

1. EMS Hardware

a. EMS servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. EMS workstations/clients

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. EMS miscellaneous/peripherals

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

d. EMS backup hardware (if any)

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

e. Other EMS hardware

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

Tier 1.1-Recommended System Configuration

2. EMS Software

a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Tabulation and results reporting

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

d. Other EMS software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

3. Election Programming Services

Preface: Historically, over half of Colorado's 64 counties have opted to acquire less than the complete EMS solution for their legacy voting systems, and instead engaged their voting system vendor to provide election definition and device programming services. In the cell below, please describe the election and device programming services that your organization can offer with respect to the temporarily approved voting system, and describe the manner in which you charge for these services in sufficient detail to enable us to calculate the cost for this service for an average county in this tier. Please be sure to include in your response whether these service charges are based on the number of registered voters, the number of ballot styles, or other factors. Please also indicate all EMS hardware and software components that counties opting for this service will not need to acquire.

Response:

Tier 1.1-Recommended System Configuration

B. Central Count Solution

1. Central count hardware

a. Central count servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Central count workstations/clients

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Central count scanners

Item No.	Quantity	Manufacturer	Model	Throughput
1				
2				
3				
4				
5				

d. Miscellaneous/peripheral/other central count hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

2. Central count software

a. Central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

b. Digital ballot resoultion and adjudication applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Other/miscellaneous central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

Tier 1.1-Recommended System Configuration

C. Polling Location Solution

1. Polling location hardware and software

a. Polling location servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Ballot marking devices (tablets/workstations/clients)

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Polling location tabulators

Item No.	Quantity	Manufacturer	Model	Optional
1				X
2				X
3				X
4				X
5				X

d. Polling location miscellaneous/peripheral/other hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Tier 1.2-Recommended System Configuration

A. Election Management Solution (including election definition, election data management, ballot layout, editing & generation, tabulation, and results reporting)

						Tier 1.2 Recap:	
1. EMS Hardware						Average active voters-2012G	208,576
	a. EMS servers					No. of counties in tier	2
	Item No.	Quantity	Manufacturer	Model	Optional	Avg min number of Election Day VSPCs required	14
	1					Projected total mail ballots-2016P	175,157
	2					Projected highest daily volume of mail ballots-2016P	37,652
	3					Projected total of in-person ballots cast-2016P	11,624
	4					Projected highest daily volume of in-person ballots per VSPC-2016P	623
	5						
	b. EMS workstations/clients						
	Item No.	Quantity	Manufacturer	Model	Optional		
	1						
	2						
	3						
	4						
	5						
	c. EMS miscellaneous/peripherals						
	Item No.	Quantity	Manufacturer	Model	Optional		
	1						
	2						
	3						
	4						
	5						
	d. EMS backup hardware (if any)						
	Item No.	Quantity	Manufacturer	Model	Optional		
	1						
	2						
	3						
	4						
	5						
	e. Other EMS hardware						
	Item No.	Quantity	Manufacturer	Model	Optional		
	1						
	2						
	3						
	4						
	5						

Tier 1.2-Recommended System Configuration

2. EMS Software

a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Tabulation and results reporting

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

d. Other EMS software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

3. Election Programming Services

Preface: Historically, over half of Colorado's 64 counties have opted to acquire less than the complete EMS solution for their legacy voting systems, and instead engaged their voting system vendor to provide election definition and device programming services. In the cell below, please describe the election and device programming services that your organization can offer with respect to the temporarily approved voting system, and describe the manner in which you charge for these services in sufficient detail to enable us to calculate the cost for this service for an average county in this tier. Please be sure to include in your response whether these service charges are based on the number of registered voters, the number of ballot styles, or other factors. Please also indicate all EMS hardware and software components that counties opting for this service will not need to acquire.

Response:

Tier 1.2-Recommended System Configuration

B. Central Count Solution

1. Central count hardware

a. Central count servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Central count workstations/clients

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Central count scanners

Item No.	Quantity	Manufacturer	Model	Throughput
1				
2				
3				
4				
5				

d. Miscellaneous/peripheral/other central count hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

2. Central count software

a. Central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

b. Digital ballot resoultion and adjudication applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Other/miscellaneous central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

Tier 1.2-Recommended System Configuration

C. Polling Location Solution

1. Polling location hardware and software

a. Polling location servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Ballot marking devices (tablets/workstations/clients)

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Polling location tabulators

Item No.	Quantity	Manufacturer	Model	Optional
1				X
2				X
3				X
4				X
5				X

d. Polling location miscellaneous/peripheral/other hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Tier 1.3-Recommended System Configuration

A. Election Management Solution (including election definition, election data management, ballot layout, editing & generation, tabulation, and results reporting)

Tier 1.3 Recap:	
Average active voters-2012G	173,533
No. of counties in tier	3
Avg min number of Election Day VSPCs required	11
Projected total mail ballots-2016P	158,209
Projected highest daily volume of mail ballots-2016P	33,330
Projected total of in-person ballots cast-2016P	8,572
Projected highest daily volume of in-person ballots per VSPC-2016P	567

1. EMS Hardware

a. EMS servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. EMS workstations/clients

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. EMS miscellaneous/peripherals

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

d. EMS backup hardware (if any)

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

e. Other EMS hardware

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

Tier 1.3-Recommended System Configuration

2. EMS Software

a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Tabulation and results reporting

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

d. Other EMS software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

3. Election Programming Services

Preface: Historically, over half of Colorado's 64 counties have opted to acquire less than the complete EMS solution for their legacy voting systems, and instead engaged their voting system vendor to provide election definition and device programming services. In the cell below, please describe the election and device programming services that your organization can offer with respect to the temporarily approved voting system, and describe the manner in which you charge for these services in sufficient detail to enable us to calculate the cost for this service for an average county in this tier. Please be sure to include in your response whether these service charges are based on the number of registered voters, the number of ballot styles, or other factors. Please also indicate all EMS hardware and software components that counties opting for this service will not need to acquire.

Response:

Tier 1.3-Recommended System Configuration

B. Central Count Solution

1. Central count hardware

a. Central count servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Central count workstations/clients

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Central count scanners

Item No.	Quantity	Manufacturer	Model	Throughput
1				
2				
3				
4				
5				

d. Miscellaneous/peripheral/other central count hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

2. Central count software

a. Central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

b. Digital ballot resoultion and adjudication applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Other/miscellaneous central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

Tier 1.3-Recommended System Configuration

C. Polling Location Solution

1. Polling location hardware and software

a. Polling location servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Ballot marking devices (tablets/workstations/clients)

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Polling location tabulators

Item No.	Quantity	Manufacturer	Model	Optional
1				X
2				X
3				X
4				X
5				X

d. Polling location miscellaneous/peripheral/other hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Tier 1.4-Recommended System Configuration

A. Election Management Solution (including election definition, election data management, ballot layout, editing & generation, tabulation, and results reporting)

Tier 1.4 Recap:	
Average active voters-2012G	50,463
No. of counties in tier	6
Avg min number of Election Day VSPCs required	4
Projected total mail ballots-2016P	44,306
Projected highest daily volume of mail ballots-2016P	8,875
Projected total in-person ballots cast-2016P	1,774
Projected highest daily volume in-person ballots per VSPC-2016P	336

1. EMS Hardware

a. EMS servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. EMS workstations/clients

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. EMS miscellaneous/peripherals

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

d. EMS backup hardware (if any)

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

e. Other EMS hardware

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

Tier 1.4-Recommended System Configuration

2. EMS Software

a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Tabulation and results reporting

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

d. Other EMS software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

3. Election Programming Services

Preface: Historically, over half of Colorado's 64 counties have opted to acquire less than the complete EMS solution for their legacy voting systems, and instead engaged their voting system vendor to provide election definition and device programming services. In the cell below, please describe the election and device programming services that your organization can offer with respect to the temporarily approved voting system, and describe the manner in which you charge for these services in sufficient detail to enable us to calculate the cost for this service for an average county in this tier. Please be sure to include in your response whether these service charges are based on the number of registered voters, the number of ballot styles, or other factors. Please also indicate all EMS hardware and software components that counties opting for this service will not need to acquire.

Response:

Tier 1.4-Recommended System Configuration

B. Central Count Solution

1. Central count hardware

a. Central count servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Central count workstations/clients

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Central count scanners

Item No.	Quantity	Manufacturer	Model	Throughput
1				
2				
3				
4				
5				

d. Miscellaneous/peripheral/other central count hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

2. Central count software

a. Central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

b. Digital ballot resoultion and adjudication applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Other/miscellaneous central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

Tier 1.4-Recommended System Configuration

C. Polling Location Solution

1. Polling location hardware and software

a. Polling location servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Ballot marking devices (tablets/workstations/clients)

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Polling location tabulators

Item No.	Quantity	Manufacturer	Model	Optional
1				X
2				X
3				X
4				X
5				X

d. Polling location miscellaneous/peripheral/other hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Tier 2-Recommended System Configuration

A. Election Management Solution (including election definition, election data management, ballot layout, editing & generation, tabulation, and results reporting)

Tier 2 Recap:	
Average active voters-2012G	15,427
No. of counties in tier	14
Avg min number of Election Day VSPCs required	3
Projected total mail ballots-2016P	13,947
Projected highest daily volume of mail ballots-2016P	2,534
Projected total in-person ballots cast-2016P	622
Projected highest daily volume in-person ballots per VSPC-2016P	149

1. EMS Hardware

a. EMS servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. EMS workstations/clients

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. EMS miscellaneous/peripherals

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

d. EMS backup hardware (if any)

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

e. Other EMS hardware

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

Tier 2-Recommended System Configuration

2. EMS Software

a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Tabulation and results reporting

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

d. Other EMS software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

3. Election Programming Services

Preface: Historically, over half of Colorado's 64 counties have opted to acquire less than the complete EMS solution for their legacy voting systems, and instead engaged their voting system vendor to provide election definition and device programming services. In the cell below, please describe the election and device programming services that your organization can offer with respect to the temporarily approved voting system, and describe the manner in which you charge for these services in sufficient detail to enable us to calculate the cost for this service for an average county in this tier. Please be sure to include in your response whether these service charges are based on the number of registered voters, the number of ballot styles, or other factors. Please also indicate all EMS hardware and software components that counties opting for this service will not need to acquire.

Response:

Tier 2-Recommended System Configuration

B. Central Count Solution

1. Central count hardware

a. Central count servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Central count workstations/clients

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Central count scanners

Item No.	Quantity	Manufacturer	Model	Throughput
1				
2				
3				
4				
5				

d. Miscellaneous/peripheral/other central count hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

2. Central count software

a. Central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

b. Digital ballot resoultion and adjudication applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Other/miscellaneous central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

Tier 2-Recommended System Configuration

C. Polling Location Solution

1. Polling location hardware and software

a. Polling location servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Ballot marking devices (tablets/workstations/clients)

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Polling location tabulators

Item No.	Quantity	Manufacturer	Model	Optional
1				X
2				X
3				X
4				X
5				X

d. Polling location miscellaneous/peripheral/other hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Tier 3-Recommended System Configuration

A. Election Management Solution (including election definition, election data management, ballot layout, editing & generation, tabulation, and results reporting)

Tier 3 Recap:					
Average active voters-2012G					**4,072**
No. of counties in tier					**35**
Avg min number of Election Day VSPCs required					**1**
Projected total mail ballots-2016P					**3,776**
Projected highest daily volume of mail ballots-2016P					**683**
Projected total in-person ballots cast-2016P					**112**
Projected highest daily volume in-person ballots per VSPC-2016P					**71**

1. EMS Hardware

a. EMS servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. EMS workstations/clients

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. EMS miscellaneous/peripherals

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

d. EMS backup hardware (if any)

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

e. Other EMS hardware

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

Tier 3-Recommended System Configuration

2. EMS Software

a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Tabulation and results reporting

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

d. Other EMS software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

3. Election Programming Services

Preface: Historically, over half of Colorado's 64 counties have opted to acquire less than the complete EMS solution for their legacy voting systems, and instead engaged their voting system vendor to provide election definition and device programming services. In the cell below, please describe the election and device programming services that your organization can offer with respect to the temporarily approved voting system, and describe the manner in which you charge for these services in sufficient detail to enable us to calculate the cost for this service for an average county in this tier. Please be sure to include in your response whether these service charges are based on the number of registered voters, the number of ballot styles, or other factors. Please also indicate all EMS hardware and software components that counties opting for this service will not need to acquire.

Response:

Tier 3-Recommended System Configuration

B. Central Count Solution

1. Central count hardware

a. Central count servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Central count workstations/clients

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Central count scanners

Item No.	Quantity	Manufacturer	Model	Throughput
1				
2				
3				
4				
5				

d. Miscellaneous/peripheral/other central count hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

2. Central count software

a. Central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

b. Digital ballot resoultion and adjudication applications

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

c. Other/miscellaneous central count software

Item No.	Application Name	Version	Optional
1			
2			
3			
4			
5			

Tier 3-Recommended System Configuration

C. Polling Location Solution

1. Polling location hardware and software

a. Polling location servers

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

b. Ballot marking devices (tablets/workstations/clients)

Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				

c. Polling location tabulators

Item No.	Quantity	Manufacturer	Model	Optional
1				X
2				X
3				X
4				X
5				X

d. Polling location miscellaneous/peripheral/other hardware

Item No.	Quantity	Manufacture	Model	Optional
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

4.0 Hardware Cost Table

Description	Make	Model	Purchase Cost/Unit	Annual Lease Cost / Unit	Annual Firmware License Fees/ Unit
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
			$ -	$ -	$ -
				Please specify material terms of hardware lease arrangments, including minimum and maximum lease terms, and applicable capitilization rate(s):	Please state whether the first year's firmware license fees are included in the purchase cost or first year lease cost:

5.0 Software Cost Table				
Description	**Version**	**Purchase Cost / Unit**	**Lease Cost / Unit**	**Annual License Fees/ Unit**
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
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		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
		$ -	$ -	$ -
			Please specify material terms of software lease arrangments, including minimum and maximum lease terms, and applicable capitilization rate(s):	Please state whether the first year's software license fees are included in the purchase cost or first year lease cost:

6.0 Project Labor Cost Table

Description	Total Cost
Project Management Fees (if any) before Deploying Recommended System for Average County in each County Tier	
Tier 1.1 (Please itemize separate billable components)	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 1.1 County	$ -
Tier 1.2 (Please itemize separate billable components)	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 1.2 County	$ -
Tier 1.3 (Please itemize separate billable components)	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 1.3 County	$ -
Tier 1.4 (Please itemize separate billable components)	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 1.4 County	$ -
Tier 2 (Please itemize separate billable components)	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 2 County	$ -
Tier 3 (Please itemize separate billable components)	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 3 County	$ -
Onsite Training for Average County in each County Tier (List each training class or course, its duration, and specify max. number of trainees) (Any travel should be in Travel sp	
Tier 1.1	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 1.1 County	$ -
Tier 1.2 (Please itemize separate billable components)	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 1.2 County	$ -
Tier 1.3 (Please itemize separate billable components)	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 1.3 County	$ -
Tier 1.4 (Please itemize separate billable components)	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 1.4 County	$ -
Tier 2 (Please itemize separate billable components)	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 2 County	$ -
Tier 3 (Please itemize separate billable components)	
	$ -
	$ -
	$ -
	$ -
	$ -
Total - Tier 3 County	$ -

6.0 Project Labor Cost Table

Implementation / Installation / Configuration / Acceptance Testing for Average County in each County Tier

Tier 1.1 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 1.1 County	$	-

Tier 1.2 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 1.2 County	$	-

Tier 1.3 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 1.3 County	$	-

Tier 1.4 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 1.4 County	$	-

Tier 2 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 2 County	$	-

Tier 3 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 3 County	$	-

Other Costs - Please itemize other project management/training/implementation costs not captured above for Average County in each County Tier

Tier 1.1 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 1.1 County	$	-

Tier 1.2 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 1.2 County	$	-

Tier 1.3 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 1.3 County	$	-

Tier 1.4 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 1.4 County	$	-

Tier 2 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 2 County	$	-

Tier 3 (Please itemize separate billable components)

	$	-
	$	-
	$	-
	$	-
	$	-
Total - Tier 3 County	$	-
	$	-
	$	-
	$	-
	$	-
Other Total	$	-

7.0 Post-Implementation Support Cost Table							Note: CDOS requests a warranty period for one-year from the date of acquisition. Please feel free to explain the terms and conditions of warranties, operations support, maintenance support and application support in an attachment to your final submission.
Support Category for Tier 1.1 County	**Warranty Period**	**Post-Warranty Year 1**	**Post-Warranty Year 2**	**Post-Warranty Year 3**	**Total**		
Warranty	$ -				$ -		
Operations Support		$ -	$ -	$ -	$ -		
Maintenance Support		$ -	$ -	$ -	$ -		
Application Support		$ -	$ -	$ -	$ -		
SUPPORT SUB-TOTAL - Tier 1.1	$ -	$ -	$ -	$ -	**$ -**		
Support Category for Tier 1.2 County	**Warranty Period**	**Post-Warranty Year 1**	**Post-Warranty Year 2**	**Post-Warranty Year 3**	**Total**		
Warranty	$ -				$ -		
Operations Support		$ -	$ -	$ -	$ -		
Maintenance Support		$ -	$ -	$ -	$ -		
Application Support		$ -	$ -	$ -	$ -		
SUPPORT SUB-TOTAL - Tier 1.2	$ -	$ -	$ -	$ -	**$ -**		
Support Category for Tier 1.3 County	**Warranty Period**	**Post-Warranty Year 1**	**Post-Warranty Year 2**	**Post-Warranty Year 3**	**Total**		
Warranty	$ -				$ -		
Operations Support		$ -	$ -	$ -	$ -		
Maintenance Support		$ -	$ -	$ -	$ -		
Application Support		$ -	$ -	$ -	$ -		
SUPPORT SUB-TOTAL - Tier 1.3	$ -	$ -	$ -	$ -	**$ -**		
Support Category for Tier 1.4 County	**Warranty Period**	**Post-Warranty Year 1**	**Post-Warranty Year 2**	**Post-Warranty Year 3**	**Total**		
Warranty	$ -				$ -		
Operations Support		$ -	$ -	$ -	$ -		
Maintenance Support		$ -	$ -	$ -	$ -		
Application Support		$ -	$ -	$ -	$ -		
SUPPORT SUB-TOTAL - Tier 1.4	$ -	$ -	$ -	$ -	**$ -**		
Support Category for Tier 2 County	**Warranty Period**	**Post-Warranty Year 1**	**Post-Warranty Year 2**	**Post-Warranty Year 3**	**Total**		
Warranty	$ -				$ -		
Operations Support		$ -	$ -	$ -	$ -		
Maintenance Support		$ -	$ -	$ -	$ -		
Application Support		$ -	$ -	$ -	$ -		
SUPPORT SUB-TOTAL - Tier 2	$ -	$ -	$ -	$ -	**$ -**		
Support Category for Tier 3 County	**Warranty Period**	**Post-Warranty Year 1**	**Post-Warranty Year 2**	**Post-Warranty Year 3**	**Total**		
Warranty	$ -				$ -		
Operations Support		$ -	$ -	$ -	$ -		
Maintenance Support		$ -	$ -	$ -	$ -		
Application Support		$ -	$ -	$ -	$ -		
SUPPORT SUB-TOTAL - Tier 3	$ -	$ -	$ -	$ -	**$ -**		

8.0 Miscellaneous Cost Table for Average County in each County Tier		
Item	**Description**	**Total Cost**
Tier 1.1 Counties		$ -
Documentation		$ -
Non-Training Travel		$ -
Training Travel		$ -
Escrow Agent (Source Code)		$ -
Other:		$ -
Other:		$ -
Other:		$ -
Total Miscellaneous Costs - Tier 1.1		$ -
Tier 1.2 Counties		$ -
Documentation		$ -
Non-Training Travel		$ -
Training Travel		$ -
Escrow Agent (Source Code)		$ -
Other:		$ -
Other:		$ -
Other:		$ -
Total Miscellaneous Costs - Tier 1.2		$ -
Tier 1.3 Counties		$ -
Documentation		$ -
Non-Training Travel		$ -
Training Travel		$ -
Escrow Agent (Source Code)		$ -
Other:		$ -
Other:		$ -
Other:		$ -
Total Miscellaneous Costs - Tier 1.3		$ -
Tier 1.4 Counties		$ -
Documentation		$ -
Non-Training Travel		$ -
Training Travel		$ -
Escrow Agent (Source Code)		$ -
Other:		$ -
Other:		$ -
Other:		$ -
Total Miscellaneous Costs - Tier 1.4		$ -
Tier 2 Counties		$ -
Documentation		$ -
Non-Training Travel		$ -
Training Travel		$ -
Escrow Agent (Source Code)		$ -
Other:		$ -
Other:		$ -
Other:		$ -
Total Miscellaneous Costs - Tier 2		$ -
Tier 3 Counties		$ -
Documentation		$ -
Non-Training Travel		$ -
Training Travel		$ -
Escrow Agent (Source Code)		$ -
Other:		$ -
Other:		$ -
Other:		$ -
Total Miscellaneous Costs - Tier 3		$ -

9.0 Vendor Hourly Rate Cost Table				
Position Description	**Rate / Hour thru Warranty Period**	**Rate / Hour Post-Warranty Year 1**	**Rate / Hour Post-Warranty Year 2**	**Rate / Hour Post-Warranty Year 3**
	$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	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$0.00