

HART INTERCIVIC NARRATIVE – DECEMBER 17

RESPONSES TO QUESTIONS IN EMAIL SENT DECEMBER 10, 2015, 6:24 P.M. MST

1. Identify any mistakes or inaccuracies in the detail page for your organization’s voting system, or the manner in which the cost detail is aggregated on the first page, based on the information you have provided us to date. I have done my best to confirm with each provider that the detail content is both accurate and complete, and the first page utilizes formulas to incorporate the detail in appropriate locations. But mistakes and data entry errors can happen. Please describe any such mistakes or inaccuracies in narrative form in a Word document, and indicate in red font in a copy of the comparative workbook the corrections or revisions that you believe should be made.

Hart has identified the corrections and revisions we believe should be made on the Hart detail page and the cost aggregation on the first page of the Comparative Cost Proposal Workbook, based on the information we have provided you to date. This marked-up comparative workbook is included with this submission as “**Comparative Cost Proposal Workbook - Hart InterCivic.xlsx.**”

The following is a list of mistakes and inaccuracies we have identified:

1. Hart Detail tab, cell A7 – change incorrect unit price from \$74,250 to \$37,125 (please note this price is changed again in our most recent 12/15 price submission)
2. Hart Detail tab, cell A8 – change incorrect unit price from \$55,710 to \$9,285 (please note this price is changed again in our most recent 12/15 price submission)
3. Hart Detail tab, cell L12 – remove cell contents; correct content is \$0
4. Hart Detail tab, cell M12 – remove cell contents; correct content is \$0
5. Hart Detail tab, cell L13 – change cell contents from \$0 to \$12,200
6. Hart Detail tab, cell M13 – change cell contents from \$0 to \$12,200
7. Summary Comparison tab, cell B33 – change “Dominion” to “Hart”



2. Identify any shortcomings or inaccuracies regarding the system configurations and pricing proposed by the other providers, and any anomalies indicating the comparative cost proposal workbook does not accomplish a fair, “apples-to-apples” comparison. Again, please describe the shortcomings, inaccuracies or anomalies in narrative form in the Word document, and indicate the corrections that should be made in red font in the copy of the comparative workbook.

To assist the Colorado SOS in considering shortcomings and anomalies in the configurations and pricing proposed by the other providers, Hart has provided a table that identifies the key differentiators of our Verity proposal, compared to proposals offered by other vendors. Please refer to “The Verity Advantage” in this narrative.

3. If you want to modify your proposed system configurations or pricing, please describe the changes in the Word document and indicate them in red font in the copy of the comparative workbook. In addition, please submit an updated version of the Cost Proposal Workbook (the version that I originally circulated on November 5th is also attached), again noting any changes from your most recent submission in red font.

Hart has provided modified pricing in the comparative workbook, included with this submission as “**Comparative Cost Proposal Workbook - Hart InterCivic.xlsx.**” Additionally, we have provided an updated version of the Cost Proposal Workbook, included with this submission as “**Cost Proposal Workbook - Hart InterCivic Revised 12-15-15.xlsx.**” These price reductions represent our best and final offer (BAFO); they indicate our commitment to serve as Colorado’s UVS provider.

The following is a list of changes to the pricing we provided on December 1, 2015, as noted in “**Comparative Cost Proposal Workbook - Hart InterCivic.xlsx.**”

1. Verity Central (Server) software price reduced from \$37,125/seat to \$21,000/seat
2. Verity Central (Client) software price reduced from \$9,285/seat to \$7,250/seat
3. Verity Count software price reduced from \$8,915/seat to \$6,300/seat
4. Verity Data software price reduced from \$8,915/seat to \$6,300/seat
5. Verity Build software price reduced from \$29,700/seat to \$18,000/seat
6. Tier 2 (Full) annual licensing fee reduced from \$23,247/year to \$12,000/year
7. Tier 2 (Minimal) annual licensing fee reduced from \$12,847/year to \$6,600/year
8. Tier 3 (Full) annual licensing fee reduced from \$13,291/year to \$7,500/year
9. Tier 3 (Minimal) annual licensing fee reduced from \$2,891/year to \$1,650/year

10. As a result of the changes made to the “Hart Detail” tab, the calculated totals on the “Summary Comparison” tab (rows 29, 30, 31, 33 and 39) are also changed

Note: Tier 2 and Tier 3 licensing rates are fixed, flat amounts that are not tied to individual software titles or quantities.

The following is a list of changes to the pricing we provided on December 1, 2015, as noted in “**Cost Proposal Workbook - Hart InterCivic Revised 12-15-15.xlsx.**”

1. (5.0 Software Cost Table tab) Verity Central (Server) purchase price reduced from \$37,125/seat to \$21,000/seat
2. (5.0 Software Cost Table tab) Verity Central (Server) lease price reduced from \$8,135.20/seat to \$4,601.73/seat
3. (5.0 Software Cost Table tab) Verity Central (Client) purchase price reduced from \$9,285/seat to \$7,250/seat
4. (5.0 Software Cost Table tab) Verity Central (Client) lease price reduced from \$2,034.62/seat to \$1,588.69/seat
5. (5.0 Software Cost Table tab) Verity Count purchase price reduced from \$8,915/seat to \$6,300/seat
6. (5.0 Software Cost Table tab) Verity Count lease price reduced from \$1,953.54/seat to \$1,380.52/seat
7. (5.0 Software Cost Table tab) Verity Data purchase price reduced from \$8,915/seat to \$6,300/seat
8. (5.0 Software Cost Table tab) Verity Data lease price reduced from \$1,953.54/seat to \$1,380.52/seat
9. (5.0 Software Cost Table tab) Verity Build purchase price reduced from \$29,700/seat to \$18,000/seat
10. (5.0 Software Cost Table tab) Verity Build lease price reduced from \$6,508.16/seat to \$3,944.34/seat
11. (6.0 Proj Labor Cost Table tab) Cell A45 – total labor days reduced from 6.0 to 5.5, causing prices reflected in cells B45 and B50 to reduce from \$7,200 to \$6,600
12. (6.0 Proj Labor Hart BPS tab) Cell A5 – corrected 6 days to 10 days, causing prices in cells B5 and B10 to change to \$12,000
13. (6.0 Proj Labor Hart BPS tab) Cell A13 – corrected 6 days to 7 days, causing prices in cells B13 and B18 to change to \$8,400



14. (6.0 Proj Labor Hart BPS tab) Cell A21 – corrected 6 days to 7 days, causing prices in cells B21 and B26 to change to \$8,400
15. (1.4 System Config-Tier 1.4 tab) Cell G127; changed Yes to No
16. (2.0 System Config-Tier 2 tab) Cell G127; changed Yes to No
17. (3.0 System Config-Tier 3 tab) Cell G24; changed Yes to No

RESPONSES TO QUESTIONS IN EMAIL SENT DECEMBER 11, 2015, 4:46 P.M. MST

1. For all components used for in-person voting at Voter Service and Polling Centers, please provide:

- a. State the weight of the component;

The Verity components used for in-person voting at Voter Service and Polling Centers (VSPCs) are Verity Scan and Verity Touch Writer. Verity Scan weighs 29.1 pounds. Verity Touch Writer weighs 28.5 pounds. The OKI printer for use with Touch Writer weighs 26 pounds.

- b. State the physical dimensions of the component (height, width and depth);

Verity Scan and Touch Writer each include an integrated carrying case for secure, durable protection during storage and transport. The dimensions of the closed carrying cases for all purpose-built Verity components with the devices inside are uniform, for ease of storing and transporting the units. The height, width and depth of the **Verity Scan** and **Verity Touch Writer** units follow:

Height: 7.7 inches

Width: 18.8 inches

Depth: 15.6 (17.4 with handle)

The height, width and depth of the **OKI printer** for use with Touch Writer are:

Height: 9.6 inches

Width: 15.2 inches

Depth: 14.3 inches

- c. To the extent applicable, please also state the weight and depth of any cases or trunks in which the component is packed for purposes of transport;

The carrying cases for the VSPC devices are integral to the units themselves and are thus included in the weights and depth of units provided in our response to item b, above.

- d. Please be sure to include this information for all components of the ballot-on-demand system you offer (which, in Colorado, technically is not a part or component of a voting system).

The optional Verity Print ballot-on-demand system weighs 28.5 pounds. The dimensions of the closed carrying cases for all purpose-built Verity components with the devices inside are uniform, for ease of storing and transporting the units. The height, width and depth of the Verity Print unit follows:

Height: 7.7 inches

Width: 18.8 inches

Depth: 15.6 (17.4 with handle)

The height, width and depth of the **OKI printer** for use with Verity Print are:

Height: 9.6 inches

Width: 15.2 inches

Depth: 14.3 inches

- 2. Please use the 12/15 narrative to “make your case.” Why is your system better than the others? Please identify the strengths of your system, and the shortcomings and limitations of the others.

As the Pilot Election Review Committee weighs the factors that define the Uniform Voting System that best serves the counties and voters of Colorado, one question must be answered. Which option presents the best balance of forward-thinking election technology combined with the lowest risk? Hart and Verity constitute that highest-value, lowest-risk option.



THE CASE FOR CHOOSING HART AND VERITY

Built for Colorado

Verity is Hart's second-generation digital system. As election solution provider to 45 of Colorado's counties, Hart has first-hand knowledge of how elections operate in the State. Colorado is in Verity's DNA; as evidenced by the following points:

- Unlike other systems under consideration, **Verity is 100 percent complete and ready for Colorado's use.** All the functionality you require is included from day one. The system is fully developed; it is federally tested, VSTL-tested, Colorado-tested and election-tested.
- **Verity fits Colorado.** Verity provides the optimum blend of by-mail efficiencies and in-person voting functionality to support your VSPCs:
 - The most advanced digital scanning system for paper ballots.
 - Equality of access for all voters, with uniform paper ballots system-wide
 - Scalable high-speed scanning solutions for all counties, large and small.
 - Designed for transparency and auditability, with robust image review and export of cast vote record data.
 - Compact equipment for VSPCs
- **System transparency makes election administrators' life easier.** Verity is designed for transparency, supporting streamlined CORA responses and trouble-free RLAs.

Optimal Value

The only fully integrated, all-new system that meets all of Colorado's requirements today (with adaptability for tomorrow), Verity offers the greatest long-term value, providing:

- **Flexible pricing.** Verity's flexible, modular architecture enables us to configure a UVS solution for Colorado that includes everything the State's counties need and nothing they do not. For example, counties that do not wish to use the ballot production software included in our best and final offer (BAFO) may realize further savings by using our proven, responsive ballot production services.
- **COTS done right.** Verity is built on a robust hybrid approach that combines purpose-built components where needed with rugged, enterprise-grade (not consumer-grade) COTS devices where appropriate, maximizing cost savings while reducing the risk of obsolescence.

- **Pricing transparency.** Throughout the Colorado UVS procurement process, Hart has provided straightforward pricing that clearly reflects the proposed system configuration.
- **Ease of use.** Verity's ease of use for election administrators and voters translates to a smoother transition to the future of voting in Colorado.

Proven Partnership

A successful partnership is essential to the success of the Colorado UVS initiative. In the near term, the election solution provider you select must have the proven experience and capacity to successfully roll out the system to counties as they purchase it, including some 24 early-adopter counties. In the long term, this partner must provide consistently responsive service and support to ensure trouble-free ongoing operations.

The following factors illustrate Hart's suitability as Colorado's partner in this historic undertaking:

- **Unmatched Colorado implementation experience.** Between March and June 2006, 45 Colorado counties chose to do business with Hart, and all were successfully implemented. While other companies have elections experience in Colorado, either inherently or through acquisition, only Hart has deployed a voting system for two-thirds of the State's counties within a condensed timeframe.
- **Off-the-charts customer satisfaction.** Hart has measured customer satisfaction since 2007. In our 2015 Customer Satisfaction Survey, 94 percent of Hart customers rated our service as excellent or above average. We believe it is even more telling that 92 percent said they would recommend us to an industry colleague. We remain committed to providing Colorado jurisdictions best-in-industry service and support.
- **Evolved with Colorado.** Hart's initial election solution for Colorado has evolved as the State's election rules have changed. We helped the counties we currently serve to adapt to the transition to by-mail voting efficiently and effectively. We continue to offer service and technology that accommodates the changes that are inherent to the elections arena.



THE VERITY ADVANTAGE

Compared to other voting systems and vendors under consideration by the Pilot Election Review Committee, Verity and Hart offer the lowest-risk, highest-value option. The following table illustrates Verity’s and Hart’s strengths compared to the shortcomings and limitations of other vendors’ proposals.

Verity and Hart Strengths		
Feature	Verity/Hart	Competitor(s)
System Readiness	<p>Ready to go now – 100%</p> <ul style="list-style-type: none"> • CO VSTL Tested • EAC certified • Scanners for every size county, and for all price points (small, med, large) • True online digital adjudication • True equality of access...standardized, uniform paper ballot for all voters. • Comprehensive array of choices, including high-speed central count tabulation (Verity Central, Verity Count), precinct tabulation (Verity Scan), and choices for ballot programming capabilities/services. • “Smart” COTS and purpose-built devices from a single, experienced vendor that can support all of your needs with a robust, consistent supply chain. • Optional polling place tabulation devices (Verity Scan) for VSPCs 	<p>ES&S:</p> <ul style="list-style-type: none"> • Currently lacks an affordable “mid-grade” high-speed scanner (i.e. DS450 still under development) • Currently lacks digital adjudication • ExpressVote produces unequal, segregated ballots that compromise voter anonymity <p>Dominion:</p> <ul style="list-style-type: none"> • The system temporarily approved in Colorado has never been through extensive VSTL testing (unlike Dominion’s older, EAC-certified system. The CO offering is truly a “pilot system.”) • ImageCast X produces unequal, segregated ballots that compromise voter anonymity. • ImageCast X requires modifications to disable the screen for ADA voters, and other audio modifications. • Dominion’s offering includes <u>no</u> polling place tabulation devices at all, thereby limiting choices for purchasing counties. <p>Clear Ballot:</p> <ul style="list-style-type: none"> • ClearVote is a new system that has gone through only limited VSTL testing (certainly not comprehensive testing showing conformance with all VVSG

Verity and Hart Strengths		
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		<p>2005 standards, as Verity has demonstrated).</p> <ul style="list-style-type: none"> • Despite Clear Ballot’s claims, the system does not offer true online digital adjudication. (See below.) • Many shortcomings and gaps remain to be addressed in future releases, as indicated in Clear Ballot’s long list of planned features (many of which are currently available in Verity...”recorded audio” is only one significant example). • Clear Ballot’s offering includes <u>no</u> polling place tabulation devices at all, thereby limiting choices for purchasing counties (their “P1000” precinct scanning tabulator is still under development; it is neither finished nor certified).
Digital online adjudication	<p>Verity Central offers true online digital adjudication, which allows users to filter and identify ballots containing marks that the system considers overvotes, undervotes, blank ballots, invalid votes, and the like. And, the Verity system allows true “adjudication” in the sense that users can review, confirm, or even digitally “resolve” the manner in which the system has interpreted questionable voter marks, so that Cast Vote Records can always be recorded in a manner consistent with voter intent.</p>	<p>ES&S:</p> <ul style="list-style-type: none"> • Neither the DS850 nor the currently-unfinished, currently-uncertified DS450 offer adjudication. (See p.3 of ES&S follow-up submission of November 12: “Adjudication development will complete in June 2016, with an expected EAC certification in December of 2016.”) Without features that allow digital adjudication, the ES&S offering is more limited, and is not an “apples to apples” comparison to the Hart Verity Central offering, which includes digital adjudication in the scanning software. <p>Clear Ballot:</p> <ul style="list-style-type: none"> • Although Clear Ballot indicates that “adjudication” is included in the ClearCount solution, their use of the term “adjudication” is an overstatement of the system’s



Verity and Hart Strengths		
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		capabilities. A review of the Clear Count “Administrator’s Guide,” submitted to the SOS, indicates on p. 69 (p. 79 in the PDF) that the “adjudication” feature in ClearCount can <u>only</u> be used to resolve unreadable ballots . What they call “adjudication” is a very thin capability that cannot be compared to the robust capabilities available in Verity Central.
Uniform ballot for all voters, for equality of access and privacy/anonymity.	Verity Touch Writer produces a full paper ballot that is identical in form to the all other ballots used in the Verity system, including those that are hand-marked by voters. In this way, Verity Touch Writer supports true equality of access.	<p>ES&S:</p> <ul style="list-style-type: none"> Comparing ExpressVote BMD to Hart InterCivic’s Verity Touch Writer is not an “apples to apples” comparison because ExpressVote prints a segregated ballot that is different in size and format from regular paper ballots, thereby posing a voter privacy/anonymity issue. <p>Dominion:</p> <ul style="list-style-type: none"> The ImageCast X prints an “Electronic Mobile Ballot” described in the Dominion documentation provided to the SOS. The format of this ballot means that ImageCast X is not “apples to apples” comparison to the Verity Touch Writer accessible BMD. According to Dominion’s documentation, the “Electronic Mobile Ballot” is a summary ballot in compact form that includes only the voter’s selections and a QR code. Like the ES&S ExpressVote, the unique form of the ballot, combined with “regular” or traditional hand-marked ballots, creates a “segregated” or unequal ballot format that compromises voter privacy and anonymity.

Verity and Hart Strengths		
Feature	Verity/Hart	Competitor(s)
Central Scanning Scalability	<p>Verity Central is fully scalable to align with and accommodate the needs of the smallest to largest counties.</p> <p>Verity Central is a software-based solution that uses COTS PC workstations and COTS scanners. Even our lowest-price COTS scanner, the Canon DR-G1100, offers a throughput speed that is superior to the 75 ppm quoted by ES&S for the currently-unfinished, currently-uncertified DS450.</p> <p>Verity Central supports scalable networked configurations where additional COTS scanners can be added to a “cluster” for greater efficiency.</p>	<p>ES&S:</p> <ul style="list-style-type: none"> Until the ES&S DS450 is available, even if ES&S supplies the DS850 in the meantime, the DS850 is a large and complex proprietary machine this is likely to be significant “overkill” for anyone but the largest counties. We do not know for certain whether the DS850 or currently-unfinished, currently-uncertified DS450 are “apples to apples” equivalents to Verity Central, because it is not clear whether those devices can be networked in multiples, to provide true scalability. We do not believe that past versions of the ES&S DS850 are scalable in this manner.
Air Gap Between Scanning and Tabulation	<p>The “air gap”, which forces the scanned voter intent to be physically transferred to the tabulation device is an important step in election integrity by helping enforce the requirement for results to remain confidential until polls close. Only Verity currently enforces this, which protects the integrity and privacy of the vote.</p>	<p>Dominion and ES&S systems can enforce an air gap only through the use of an optional feature in their current systems. The Clear Ballot system tabulates ballots as they are scanned (i.e. no air gap).</p>
White-listing software included as part of core security features	<p>Every Verity component (PC workstations, voting devices) includes in its architecture and pricing McAfee “whitelisting” software, to prevent the execution of unauthorized software applications. In other words, all security software is an integral part of the Verity solution; there are no add-ons, and no surprises.</p>	<p>ES&S:</p> <ul style="list-style-type: none"> Symantec Endpoint Protection Anti-Virus Software: This is not an apples to apples comparison to Verity, because Hart does not believe in charging customers “extra” for “anti-virus” software.



Verity and Hart Strengths		
Feature	Verity/Hart	Competitor(s)
All required Professional Services Included	Hart’s proposal includes all critical elements of managing the deployment of Verity across multiple counties simultaneously. There are no hidden charges or surprises.	<p>ES&S:</p> <ul style="list-style-type: none"> Particularly given the fact that ES&S’s “Project Management, Implementation and Training) already includes disclaimers and exclusions (i.e. “Does not include onsite voting equipment installation”), one should be aware that ES&S sometimes charges separately for services that Hart includes in our own implementation services. An excellent example is voting equipment acceptance testing; ES&S often charges customers separately to support acceptance testing (while Hart does not), and it is not clear from the ES&S cost proposal whether acceptance testing is included in “Project Management, Implementation, and Training.” Accordingly, it is difficult to assess whether ES&S’s services are an “apples to apples” comparison to other vendors, because they are so accustomed to charging “a la carte” for line items that might not be reflected on this spreadsheet.
Intelligent use of COTS	<p>Verity integrates COTS components where it makes sense for the customer because, used intelligently, they maximize cost savings. Where COTS components introduce risk (of obsolescence, of security breaches, or other negative effects), Verity uses purpose-built components.</p> <p>Verity’s Touch Writer solution functions on embedded software that has been qualified, designed, and tested to function with the</p>	<p>Dominion:</p> <ul style="list-style-type: none"> There is no “apples to apples” equivalent of Dominion’s line-item for the Image Cast X accessible voting terminals, because Dominion’s solution is based on COTS Android tablets (Samsung Galaxy Tab Pro 12.2, according to the <i>Democracy Suite System Overview</i>, dated April 19, provided to the SOS) that have shortcomings not applicable to Verity’s accessible device, the Touch Writer with Access. The two solutions are not comparable, apples to apples, because:

Verity and Hart Strengths		
Feature	Verity/Hart	Competitor(s)
	<p>purpose built Verity hardware, and the integrated software/hardware solution is known and managed by an experienced service provider – Hart InterCivic. Not only does this approach guarantee robust support for our accessible voting solution, it also means that Verity’s brand-new and robust supply chain will minimize additional burdens of testing and configuration for county users.</p>	<ul style="list-style-type: none"> • COTS Android tablets include wireless capabilities, which pose security risks from which the Touch Writer solution does not suffer. According to Colorado Rule 20.5 (f), <i>“If any component of the voting system is equipped with WiFi capability or a wireless device, the county must disable the wireless capability or device.”</i> It is not clear what extra activities would be required to ensure that all wireless capabilities are turned off in the Dominion/Samsung tablets, but in any case, the Verity Voting system does not include wireless capabilities in its voting devices, thereby reducing another important security concern that must be managed. • It is not clear whether the COTS Android tablets that are offered in the Dominion configuration have any sort of cases for storage and transportation. Voting devices are of course a significant investment for any county user, and that is why all Touch Writer with Access devices have a durable, integrated “suitcase style” case to protect the county’s investment, and to facilitate secure and easy storage and transportation. • In contrast to Verity, Dominion’s and Clear Ballots’ approaches to COTS are subject to very rapid turnover of limited supply chains that are driven by the fickle timelines of the consumer electronics marketplace (particularly with respect to tablets and the like). As a result, there is greater uncertainty about how to support and source COTS devices like the Dominion/Clear Ballot



Verity and Hart Strengths		
Feature	Verity/Hart	Competitor(s)
		model. If new Samsung tablets are required, and if the old model is no longer available in the COTS marketplace, it is not clear how new hardware would be identified, tested, qualified, and configured. None of these challenges exist with the Verity system.
No Separate Server for Accessible Voting at VSPCs	Hart’s accessible voting solution is not burdened with the need for an extra server component in each VSPC. Verity’s Touch Writer with Access is a bundle that is self-sufficient and self-contained, with the voting device itself, an ADA-compliant voting booth with privacy panels, and a COTS printer that prints a full marked ballot, for equality of access. The absence of a need for a separate server also makes Touch Writer easier to set up in the VSPC.	Dominion: appears to require and charge separately for the “ImageCast X Server”
Acquisition Pricing and TCO	Verity pricing is among the most affordable at time of purchase and, possibly more importantly, offers a significantly lower 10 year total cost of ownership (TCO) compared to all competitors.	
Clear pricing for a comprehensive Accessible Voting Solution	Pricing for Hart’s Verity Touch Writer with Access includes an ADA/VVSG compliant booth, and a COTS printer that prints a full paper ballot.	ES&S: <ul style="list-style-type: none"> Please note that ES&S often quotes the price of the ExpressVote BMD without important options, such as booths, stands, or ES&S’s latest (large and cumbersome) kiosk. It is not clear from the comparative workbook whether the ExpressVote BMD includes some form of an accessible booth or kiosk, which would be required to provide fully accessible voting.

Verity and Hart Strengths		
Feature	Verity/Hart	Competitor(s)
		Dominion and Clear Ballot: <ul style="list-style-type: none"> Because both solutions rely on COTS hardware (either Android tablets or “all-in-one” PCs), it is not clear how they comply with the need for an ADA-compliant voting booth.
All-inclusive Functions and Price for Central Count Software	The acquisition and software license for Verity Central always includes robust on-line digital adjudication, which we have offered since the early 2000s. We do not charge customers separately for this “upgrade”. In Verity, it’s always included in our central scanning solution.	Dominion: <ul style="list-style-type: none"> Dominion appears to charge separately for the “Adjudication Module” for their central count software (at purchase and ongoing licensing fees). Why would this feature, a critical requirement for Colorado, be a separate “add-on”?
EMS Software Suite Pricing	Verity’s full suite of software (Verity Data, Verity Build, Verity Central Sever, Verity Count) totals \$51,600.	Dominion: <ul style="list-style-type: none"> Our best interpretation for Dominion pricing indicates their EMS software is considerably more expensive than the equivalent offerings in Verity. While there is some guesswork, because Dominion has not transparently priced each component individually, as Hart does, it appears the relevant comparative price for the Dominion EMS is \$250K.
Central Scan Hardware Pricing	Verity Central PC workstation + Canon DR-G1130 high speed scanner is \$10,660	Dominion: <ul style="list-style-type: none"> For Dominion’s equivalent of Verity Central hardware, they are charging \$25,000 for the COTS workstation and the Canon DR-G1130 (same exact scanner as Hart/Verity). Why is Dominion’s price more than 2x Hart’s? It appears the vendor is significantly marking-up the prices of the COTS PC or the COTS scanner or both.
PC Hardware Pricing	Verity pricing for required PC workstations is \$3,220 per unit across the board. Period.	Dominion: <ul style="list-style-type: none"> We have no idea why Dominion’s PC workstations (i.e. the COTS hardware itself) is so costly, but their PowerEdge



Verity and Hart Strengths		
Feature	Verity/Hart	Competitor(s)
		Server workstations are \$17,940 each, and their cheapest (non-server) workstation is \$4,637.

COLORADO POSITIONED FOR SUCCESS

Hart is focused on the future of elections in Colorado. This focus stands on the foundation of our many successes on behalf of the Colorado counties we have served for nearly a decade. Our accomplishments, achieved side-by-side with our Colorado customers, include meeting and exceeding requirements for Americans with Disabilities Act (ADA), meeting ballot production needs, implementing by-mail voting, accommodating vote centers and other needed changes.

Colorado's potential advantages in adopting a uniform system are great. Yet, to meet the distinctive needs of each county, a one-size-fits-all approach will not work. A unique benefit of the solution Hart proposes is the flexibility it embodies. We offer a flexible technology solution, flexible services and flexible pricing, enabling Colorado counties to purchase a solution that fits.

Selecting Hart and Verity for the Colorado UVS positions the State for a successful rollout of the robust new Verity Voting system – a system that is ready to serve Colorado counties today and designed to adapt as needs change in the future.