Election Equipment
Salt Lake County

Providers for Election Equipment & System

- **U.S. Election Assistance Commission (EAC) Testing and Certification Program –** *the process of maintaining the reliability and security of the voting systems used in our nation's elections*

- EAC's Certified Systems:
  - **Premier Election Solutions , Inc.(formerly Diebold)**
  - **Dominion Voting System Corp**
  - **Clear Ballot Group, Inc.**
  - **MicroVote General Corp.**
  - **Election Systems and Software**
  - **Unisyn Voting Solution**
  - **Hart InterCivic, Inc.**

State of Utah's Election Environment

- Selected Election System & Software (ES&S) as their solution via RFP process in 2017
- Other counties in the state different needs and population size

County IT Reviewed Dominion and ES&S

DOMINION

Meets security and technical concerns

ES&S

Meets security and technical concern

Concerns on different treatment of provisional voting from typical voting

2020 BUDGET IMPACT

In April, 2020 the Mayor's Office asked every department to implement a 3%, 5% or 10% budget cut due to COVID-19. The Clerk's Division submitted a $1,000,000 reduction by cutting the purchase of touchscreen voting machines from 1,000 to 700. For next years budget cycle, the Clerk's Division will be asking for funding to purchase the needed 300 touchscreens for the 2022 Election Cycle.

Salt Lake County Election Division Prefers Dominion

Functionalities

- **Similar to current election equipment**
  - **Touch screen**
  - **Paper trail**

- **Provisionals are processed/ tabulated the same way as normal ballots**
  - **Provisional use touch screens and also have paper trail**

Cost Comparison based on quotes from both vendors on July 20, 2020.

Purchase and Maintenance Costs

	ES & S	Dominion
Purchase Cost	$ 4,689,859	$ 3,341,925
TSX Trade In	(85,000)	
State Funding	(1,510,940)	
Discount/Rebate	(283,234)	(827,978)
Total Purchase Cost	$ 2,811,485	$ 2,513,948
8 Yrs. Maintenance Contracts	$ 1,072,010	$ 1,180,375
Total Cost Over 8 Years	$ 3,883,495	$ 3,694,323

HARDWARE

Hardware		Each	Amount		Subtotal	Hardware	Each	Amount		Subtotal
ES&S (with Kiosk Silver)						**Dominion**				
DS200 Precinct Scanner						Scanners				
DS200 Tabulator (Vote Centers)		110	$ 5,186	$	570,460	Image Cast Central Kit Scanners	7	$ 25,000	$	175,000
DS200 Tote Bins		110	$ 225	$	24,750					
						In-Person Voting				
DS850 High Speed Scanner						MBP Kit 2 Portable High Volume	5	$ 5,800	$	29,000
DS850 Scanner		7	$ 103,880	$	727,160	Image Cast X Kit - Prime VVPAT	700	$ 3,500	$	2,450,000
Additional Thumb Drives 8GB		50	$ 210	$	10,500	Image Cast Privacy Screen	700	$ 15	$	10,500
						Booths for Image Cast Machines	700	$ 250	$	175,000
Express Vote Ballot Marking Device										
Express Vote Terminal		700	$ 3,204	$	2,242,800	Accessories				
Express Vote Kiosk		700	$ 935	$	654,500	ATI Kit USB	10	$ 375	$	3,750
ExpressLink Printer (Use w/KnowInk Poll Pads		350	$ 725	$	253,750	Image Cast Transport Bag	700	$ 60	$	42,000
						VVPAT Transport Bag	700	$ 30	$	20,650
Ballot Marking Device										
Ballot on Demand Printer		5	$ 1,975	$	9,875	Election Management Hardware				
Ballot on Demand Laptop		5	$ 2,820	$	14,100	EMS Server Kit	1	$ 17,000	$	17,000
						EMS Client Workstation Kit	2	$ 1,700	$	3,400
						EMD Adjudication Workstation	4	$ 1,700	$	6,800
						Smart UPS 1500 (Rack Mountable)	1	$ 800	$	800
						Mini Server Rack	1	$ 900	$	900
						EMS Report Printer	1	$ 125	$	125

SOFTWARE

Software	Each	Amount	Subtotal	Software	Each	Amount	Subtotal
	ES&S (with Kiosk Silver)				**Dominion**		
Initial Annual Software License				Election Management Software			
Electionware Software (100,001+ voters)	1	$ 24,495	$ 24,495	Automated Test Deck Module	1	$ 18,000	$ 18,000
Synthesized Audio Capability Non-English	1	$ 2,165	$ 2,165	Adjudication Module	1	$ 50,000	$ 50,000
				Mobile Ballot Printing	1	$ 10,000	$ 10,000
Third Party Products				Democracy Suite	1	$ 250,000	$ 250,000
3rd Party EMS Hardware - Adjudication	1	$ 29,579	$ 29,579				
				Implementation Services			
Implementation Services				Product Implementation & Support	10	$ 2,000	$ 20,000
Project Management Day	2	$ 1,650	$ 3,300	Implementation Services	10	$ 2,000	$ 20,000
Equipment Day Training	5	$ 1,650	$ 8,250	Logic & Accuracy Testing	3	$ 2,000	$ 6,000
Software Training Day	5	$ 1,650	$ 8,250	On-Site Services - Election Day	2	$ 4,500	$ 9,000
Network Installation			$ 2,300				
Election On-Site Support	2	$ 4,525	$ 9,050	Training	12	$ 2,000	$ 24,000
Install DS200 Tabulator	110	$ 115	$ 12,650				
Install ExpressVote BMD Terminal	700	$ 105	$ 73,500				
Ballot on Demand Installation	5	$ 100	$ 500				
Install DS850 1st Unit	1	$ 1,925	$ 1,925				
Install DS850 Additional Units	6	$ 1,000	$ 6,000				
Purchase Total			$ 4,689,859	Purchase Total			$ 3,341,925
TSX Trade-In	1700	$ (50)	$ (85,000)	Discount			$ (827,978)
8% Rebate on Applicable Items			$ (283,234)				
State Funding			$ (1,510,140)				
			$ 2,811,485				$ 2,513,948

ANNUAL LICENSE AND MAINTENANCE

		ES&S (with Kiosk Silver)			Dominion			
		Each	Amount	Subtotal				Subtotal
Annual Maintenance					Annual Maintenance			
Maintenance (once every 24 Months)								
DS200 Maintenance		110	$ 170	$ 18,700	Year 2		$	168,625
DS850 Maintenance		7	$ 2,895	$ 20,265	Year 3		$	168,625
ExpressVote Terminal		700	$ 110	$ 77,000	Year 4		$	168,625
					Year 5		$	168,625
Annual Firmware License					Year 6		$	168,625
DS200 Firmware License		110	$ 90	$ 9,900	Year 7		$	168,625
DS850 Firmware License		7	$ 1,805	$ 12,635	Year 8		$	168,625
Express Vote Firmware		700	$ 75	$ 52,500				
Annual Software License								
ElectionWare PYO		1	$ 24,495	$ 24,495				
Synthesized Audio Non-English		1	$ 2,165	$ 2,165				
Ballot On Demand		5	$ 350	$ 1,750				
Maintenance once every 24 months	$ 115,965		3	$ 347,895				
Annual License	$ 101,640		7	$ 724,115				
8 Yr Total				$ 1,072,010	8 Yr Total Annual Fees		$	1,180,375
Total Purchase Cost 8 Years				$ 3,883,495	Total Purchase Cost 8 Years		$	3,694,323
Difference in Systems				$ 189,173	Difference in Systems		$	(189,173)

ADDITIONAL EXPENSES

ES&S		Dominion	
Drayage increase per vote center location			
		Drayage increase per vote center location	
Additional costs for 7 years (4 city = $4,000 per year and 3 county - $7,000 per year)	$ 37,000	Additional costs for 7 years (4 city = $2,000 per year and 3 county - $3,500 per year)	$ 18,500
Additional Poll Worker per location	$ 152,400	**Retrofitting carts ($266 per 150 carts)**	$ 40,000
Municipal Years (2021, 2023, 2025 & 2027)			
Primary 4 EV and 20 VC			
General 8 EV and 25 VC			
General Election Years (2022 & 2026)			
Primary 4 EV and 20 VC			
General 8 EV and 40 VC			
Presidential Election Year (2024)			
Presidential Primary 4 EV and 30 VC			
Primary 4 EV and 30 VC			
General 8 EV and 60 VC			
Proprietary Paper for Express Vote	$ 122,400		
.09 per sheet each election			
Municipal $36,000 County $86,400			
Total Additional Known Costs	$ 189,400	**Total Additional Known Costs**	$ 58,500

IMPLEMENTATION

Task Name	Duration	Start	Finish
Product Selection	42d	06/03/20	07/31/20
Contracting	32d	07/31/20	09/15/20
Receive Equipment	10d	12/15/20	12/29/20
Remove Old Equipment	25d	12/01/20	01/06/21
Unbox and Inspect Equpment	5d	01/04/21	01/08/21
Acceptance Testing of New Equpment	15d	01/08/21	01/29/21
Inventory Equipment	5d	01/25/21	01/29/21
Staff trained on Ballot Creation	5d	02/08/21	02/12/21
Prepare Training Materials	27d	02/22/21	03/30/21
Train Election Staff	10d	04/05/21	04/16/21
Mock election	1d	04/21/21	04/21/21
Prepare Equipment for Election	15d	06/14/21	07/02/21
Train Poll Workers	7d	07/27/21	08/04/21
Train Early Voting Workers	1d	07/26/21	07/26/21
Early voting for 2021 Election	10d	07/27/21	08/09/21
Voting for 2021 Election	1d	08/10/21	08/10/21

Rank Choice Voting

ES & S

- Express Runoff – program your ballots the same way, the voters will vote using the ExpressVote the same way, and they will be tabulated on the DS200's or DS850's the same way. Adjudication is done the same way as well and once you are all done, you will take the final export and run it through ExpressRunoff, a third party vendor, to determine the results.

Dominion

- Provides a seamless tally and reporting process. You do not need an additional tool that requires the export of Cast Vote Records, the use of the 3rd party tabulation, or the need to bring that data back into the system for reporting.

- $25,000 annual licensing fee.

QUESTIONS????