Presentation Overview

■ HAVA's Mandate
■ Where We're At (Procurement Phase)
■ The Winning Solution
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   ■ Proposed Budget
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Presentation Overview (cont.)

■ The VoteCal System
   ■ Registration
   ■ List Maintenance
   ■ The Official List
   ■ Public Website
   ■ Data Security
   ■ Reliability
■ County Role
■ Questions/Discussion

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HAVA's Mandate

Help America Vote Act (HAVA), Section 303 requires:
■ Single, uniform statewide system for voter registration
■ Official list for federal elections
■ Uniformity and standards for accuracy and list maintenance practices

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HAVA's Mandate

Implementation required by January 1, 2006

US Department of Justice Agreement (2005)
- CalVoter is not HAVA compliant
- "Interim solution" to get as compliant as possible
  - Limited modifications to Calvoter
  - Adoption of regulations for HAVA enforcement
- Proceed with truly compliant VoteCal system as rapidly as possible

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Where We're At (Procurement Phase)

Request for Proposal (RFP) requirements were based on:
- County input through the original Advisory Committee
- Lessons learned from other states
- Draft review by County Technical Advisory Committees
- Further refined in addenda based on county input and vendor feedback

Solutions-based procurement
- Requirements specify what system must do, not how to do it

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Where We're At (Procurement Phase)

Final proposals were due January 29, 2009

3 proposals received:
- First evaluated & scored without respect to cost
- Only one advanced to cost opening
- No protests!

Special Project Report (SPR) submitted to control agencies and Legislature
- Awaiting approval before we can sign contract to start project in earnest

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Winning Solution: Vendor

Catalyst Consulting Group –

- Successfully developed and implemented similar system for Illinois
- Direct experience with many of California's Election Management System (EMS) vendors
- Key partners:
  - DFM Associates
  - Microsoft

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Winning Solution: Strategy

"Bottom-Up" Strategy

- County elections staff will continue to use their EMS to process registration and manage elections
- EMSs will be modified to work directly with VoteCal ("remediation")

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Winning Solution: Strategy

What about the VoteCal EMS?

- Proposed as "option" in RFP: Alternative for county elections departments if their EMS no longer viable
- Catalyst proposal included the optional EMS
- Secretary of State decision *to not implement* (not required by HAVA, introduces risk, additional resource requirements)

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Winning Solution: Strategy

Remediate or Migrate?
- HAVA will cover the cost to remediate EMSs
- Some county elections offices will migrate to a new EMS:
  - EMS vendor can't or won't remediate
  - All EMS customers want to move to another existing EMS

EMS Systems	
System	# of Counties
Crest	1
DFM	32
ES&S	3
Premier	19
Votec	2
"homegrown"	1

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Winning Solution: Proposed Budget

HAVA Funds Allocated for VoteCal	$ 66 Million
VoteCal System Development (Catalyst Bid)	$ 18.2 Million
Other Project One-Time Costs	23.1 Million
Total Development and Implementation Costs	$ 41.3 Million
Ongoing Annual Operating Cost	$ 4.8 Million

Other Project One-Time Costs (above) includes:
- Remediation of EMSs (or migration to another EMS)
- Other contracted services (e.g., oversight, security evaluation, etc.)
- Network upgrade and facility fees for redundant fail-over system
- *County expenses for participation in design sessions, training, and data conversion*

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Winning Solution: Tentative Schedule

Sept. 2009	Execution of contract with vendor
Oct. 2009 through Jan. 2010	Project Startup Phase • Finalize plans and schedule
Jan. 2010 through Aug. 2010	Design Phase • "Discovery Sessions" • Specifications and standards
Aug. 2010 through Feb. 2011	Development Phase • Install & configure infrastructure • Develop VoteCal application • Remediate EMSs

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Winning Solution: Tentative Schedule

Feb. 2011 through May 2011	Testing Phase ■ Functional testing of VoteCal system ■ Integration testing with EMSs ■ Acceptance testing of VoteCal system
April 2011 through July 2011	Pilot Deployment and Testing ■ Training of staff in pilot counties ■ Implementation at pilot counties ■ Pilot operation of system for June 2011 election
Aug. 2011 through Dec. 2011	Full Deployment and Go Live! ■ Training of remaining county elections staff ■ Deployment and conversion of remaining county elections offices ■ Final cutover from Calvoter to VoteCal

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VoteCal System: Registration

Paradigm shift: "Register in California"
- Single, complete record for voter at the State (including historic changes)
- County elections departments still "own" and manage the voter records
- Cross-county moves become an update of the existing record
- Ability to view complete record of any voter (including affidavit and signature images)

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VoteCal System: Registration

Registration Processing: real-time integration with VoteCal during registration entry
- Identification (ID) verification
- Search for existing voter registration records
- Update of existing record, if any
- Confirmation and assignment of state ID number
- Determine if "first-time voter" that is required to provide ID at the polls

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VoteCal System: List Maintenance

Flexible matching system to improve with experience
- High-confidence matches automatically applied
- Probable matches resolved by County elections staff (access to full record)
- County elections staff capability to 'undo' invalid matches

In most cases, duplicate registrations will be avoided, becoming updates to the existing registration

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VoteCal System: List Maintenance

Motor Voter
- DMV COA will continue electronically
- Signature images will be included
- Capability for more complete "Motor Voter" process (if the laws and processes are changed)

Felon and Death Record matching
- Match against existing voters when new felon or death records received
- New registrations will be checked against known felons and deceased

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VoteCal System: List Maintenance

National Change of Address (NCOA) and CASS Standardization
- Automatic NCOA processing and correction
- CASS corrected address data provided back to counties

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VoteCal System: The Official List

Rosters & Supplemental Rosters will be
generated from VoteCal
- Direct printing
- Import into EMS for formatting/printing
- Export file for 3rd party printing
- Export file for electronic poll books

County officials will have the ability to check
synchronization of data

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VoteCal System: Public Web Site

VoteCal public web site will offer:
- Secure voter look-up of registration status
- Voter lookup of provisional ballot status
- Voter lookup of vote-by-mail ballot status
- On-line voter registration

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VoteCal System: Data Security

All data communication over private WAN
- All data encrypted during transmission (SSL or
  128- bit RSA)
- Firewalls at each county and intrusion prevention
  systems to prevent access to county network by
  SOS or other counties

Private data encrypted while stored

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VoteCal System: Data Security

Most user access will be through EMS

Direct access to VoteCal by county users:
- 2-Factor authentication (user password + token-generated one-time password)
- Local 'administrators' will assign users to predefined roles and manage user accounts

Complete audit trail for all data changes

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VoteCal System: Reliability

Standards for performance
- 2000 concurrent users/200 transactions per second without degradation

Fully redundant co-location for failover protection

Standards for operation without maintenance interruptions during peak election time

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County Role: Keep Informed

VoteCal Website -
www.sos.ca.gov/elections/votecal_home.htm

Key project information:
- RFP (system requirements)
- Special Project Report (schedule, budget)
- Calendars & notices of upcoming events
- Status reports, Meeting minutes

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County Role: Actively Participate

Attend regional meetings
- Next round: IT & technical staff (4th quarter, 2009)

Discovery (JAD) Sessions – to clarify the 'how'
- Early 2010
- Representative county participation (size, region, EMS, etc) and EMS vendors
- Review minutes and provide feedback

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County Role: Actively Participate

Provide Feedback
- Issues ... concerns ... "atta boys"
- Risk identification

Consider "piloting"

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