AGENDA: 7

Bay Area Air District

Update on Air District Information Management Projects and Recommendation of Software Development and Maintenance Contracts for Permitting and Compliance Systems

Finance and Administration Committee

February 18, 2026

John Chiladakis
Deputy Executive Officer of Information Management
Executive

Recommended Action

Recommend to the Board of Directors that the Board authorize the Executive Officer/APCO to amend contracts for software development and support services for a total combined amended authorization not to exceed $5.8 million over the 24-month period beginning March 2026 as listed in Table 1

Vendor	Procurement Method	Service Description	Not to Exceed for this Authorization	Total Amount Contracted
ClearSparc	RFQ# 2024-009	Software Design, Development, and DevOps Services	$2,400,000	$3,915,000
DVBE	RFQ# 2024-009	Software Development Supporting Services	$3,400,000	$5,632,000
			$5,800,000	

Presentation Outline

- Air District Information Management Functions and Budget Including Full Time Equivalents (FTE)
- Recent Board Actions Focused on Efficiency
- Software Development Structure and Costs
- 18-Month Progress Report
- Planned Permitting and Compliance Technology Developments Over the Next Two Years
- Vendor Qualifications
- Funding Request for Contract Authorization

Fiscal Year 2026 Budget

Function	Fiscal Year Ending (FYE) 2026 Budget / Staff
• Information Technology (IT) Operations • User Support • Cybersecurity • Records Management	• $3.3 Million (M) • 14 FTE
• Software Development • Online Services • Data Services and Reporting	• $6 M • 16 FTE

Recent Board Actions: Modernization and Consolidation

1977 — 1999 — 2012 — 2023 2024

- Databank – HP 3000
- IRIS – HP 9000 Enforcement Operations

Deskside HP 3000 minicomputers from Hewlett-Packard Company, such as the System 932, are ideal for today's office or lab environments because they offer high performance and data-storage capacity in a compact package. (PRNS4700001)

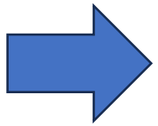
Photos courtesy of the Computer History Museum

Decommissioned January 2024

Recent Board Actions: Modernization and Consolidation (cont.)

- Legacy Systems Shutdown January 2024 (Databank and IRIS)
- Sacramento Data Center Shutdown
- Migration to Cloud

Functional Area	$/Year FTE / Year
Support of Legacy Systems	$200K 6 FTE
Replacement of Legacy Systems & Maintenance	**$4.3M 5 FTE**
IT Physical Infrastructure	$800K 3 FTE
TOTALS	**$5.3 M 14 FTE**



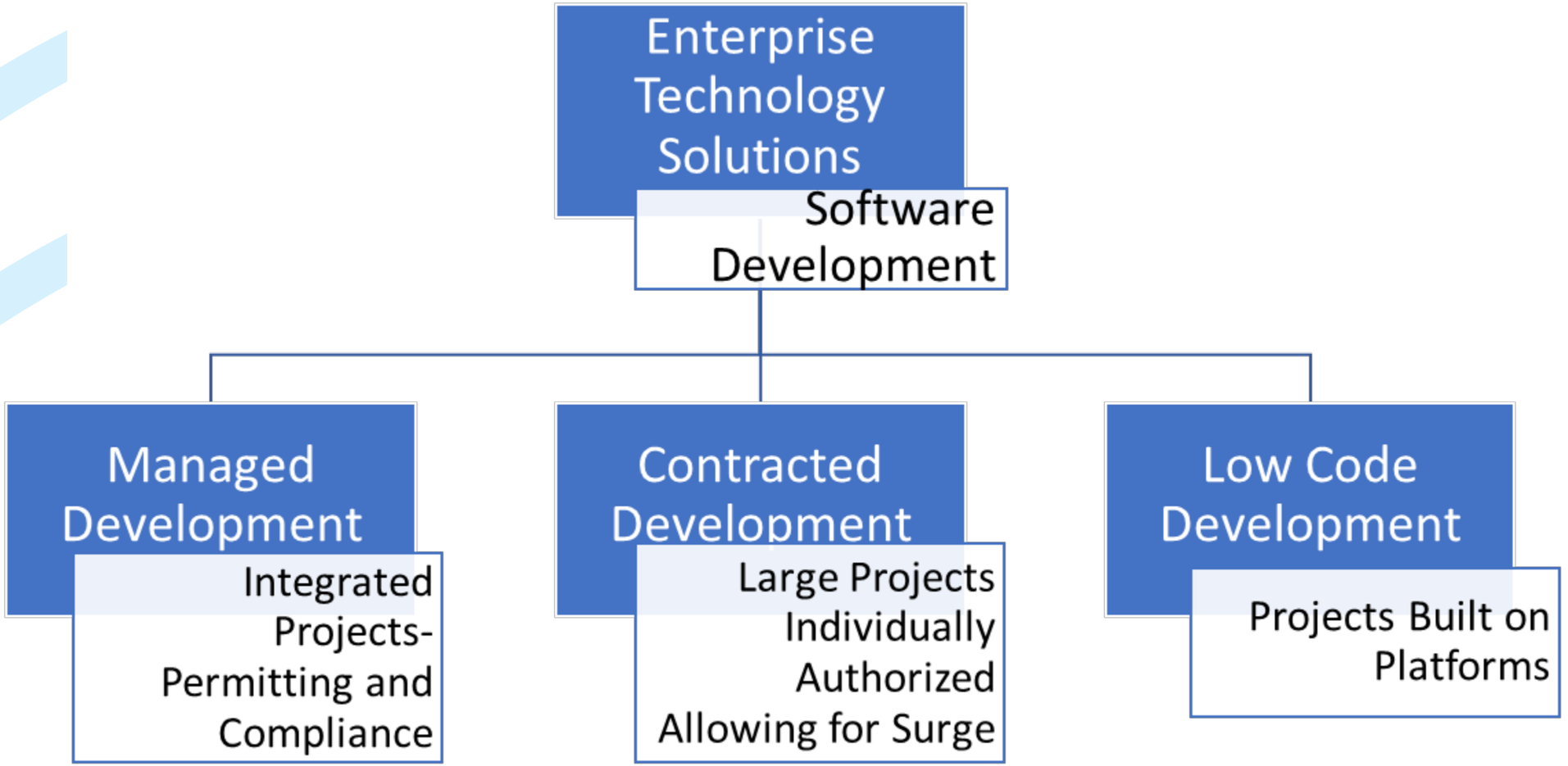
Functional Area	$/Year FTE / Year
Support of Legacy Systems	0
Development New Systems & Maintenance	**$4.3M 7 FTE**
IT Cloud Infrastructure	$400K 3 FTE
TOTALS	**$4.7 M 10 FTE**
SAVINGS	**$600K 4 FTE**

K: Thousand

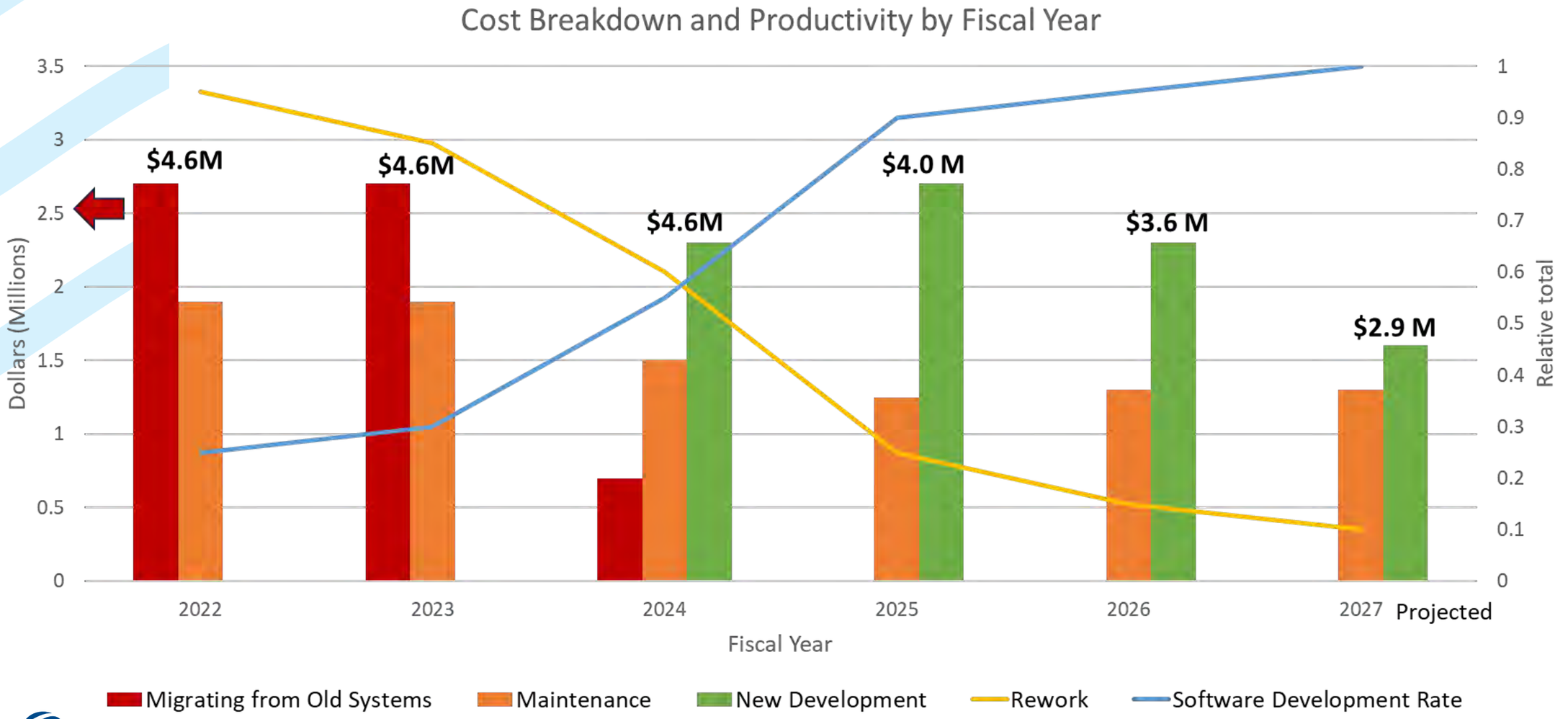
Prior Software Development Structure

- From 2014-2024 all software development resources were consumed by migration from legacy systems
- No governance team to prioritize effort
- Single Managed Development organization staff managed contractors to develop software that reproduced functionality in legacy systems
- No software developers on staff
- No information technology professionals on staff managing projects
- No continual improvement practices guided by key metrics
- Tracking systems not properly configured

New Software Development Organizational Structure



Managed Software Development



18-Month Progress – All Items Completed

Achieve Impact– Streamline upfront estimates

- Develop a methodology, process and procedure that will standardize operational resource estimates for proposed initiatives

Advance Environmental Justice

- Develop a Title V Deviation Compliance Reporting Tool
- Develop the Complaint Reporting System with a community-focused interface
- Develop a data collection system to acquire and securely retain community volunteer information for community air quality monitoring

Be Effective and Accountable- Data Transparency

- Lay the foundation for a comprehensive and user-friendly data portal that fosters accessibility and transparency. Finalize scope definition, build a clickable design, that includes search enhancements such as advanced filters and improved indexing
- Enhance transparency by surfacing air quality geospatial data through the implementation of modern mapping tools for the Air District's website

Be Effective and Accountable - Efficiency and modernization

- Conduct procurement and manage project framework and requirements gathering for establishing a modern grants management system
- Develop a dedicated communication platform for regulated entities to provide timely updates, share resources, and foster collaborative engagement
- Implement a governance framework with a governance board and regular audits to provide for modern change control
- Develop and maintain comprehensive documentation for Permitting and Compliance system architecture, configuration, workflows, and dependencies, ensuring clarity for troubleshooting, onboarding, and upgrades
- Develop policy, governance, and implement a proof-of-concept system to improve efficiency leveraging artificial intelligence
- Provide staff with documentation, training, and knowledge transfer for systems implemented in recent years

Strategic Deliverables for this Authorization

Advance Environmental Justice

- Create systems to tag and alert high-priority inspections
- Develop a new more user-friendly complaint intake system
- Create Air Pollution log so community members can upload and view photos of any air pollution observations

***Be Effective and Accountable* - Data Transparency**

- Implement functionality for greater public transparency for complaint investigations
- Create notification for any permitting or enforcement actions in Assembly Bill (AB) 617 communities

Strategic Deliverables for this Authorization (cont.)

Be Effective and Accountable - Efficiency and modernization

- Provide for bulk data exchange for large facilities allowing for efficient annual emission calculations and renewals of permits
- Implement workflow enhancements to track and report on all tasks during the permit application process allowing for estimation of completion dates for each task
- Integrate source test workflow into the system so engineers and inspectors are informed about source testing events
- Create systems to support Notice to Comply (NTC) business functions
- Implement online processes to achieve higher rates of paperless workflow improving the velocity of permit applications

Vendor Qualification

- **Request for Quote (RFQ) Issued**: On August 19, 2024, the Air District released RFQ 2024-009 for IT consulting services in five categories
- **Submissions Received**: The Air District received 46 submissions and qualified nine vendors
- **Qualified Vendor Pool**: The nine vendors formed a pool for soliciting additional proposals for these strategic deliverables
- **Evaluation and Authorization**: A panel of Air District staff evaluated proposals, leading to the current authorization request detailed in Table 1 of the staff report

Funding and Budget Impact

- 24 Month contracts requesting $5.8 Million across two vendors
  - $1.3 Million per year for software maintenance and support
  - $1.6 Million for new development and documentation

- $1.3 Million of the $5.8 Million required for these contracts are included in the Fiscal Year Ending (FYE) 2025 approved budget and designated for this purpose

- The additional $4.5 Million will be expended conditionally upon approval of funds in the FYE 2027 and FYE 2028 budget

Recommended Action

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Questions & Discussion

For more information:

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AGENDA: 8

Bay Area Air District

Overview of the Air District's Fleet Greening Strategy

Finance & Administration Committee

February 18, 2026

Karen Schkolnick
Director of Administrative Resources
Administrative Resources

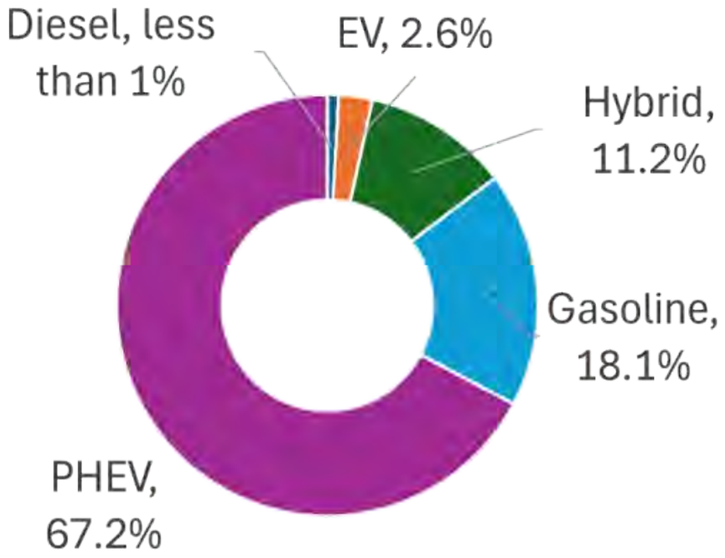
Background

Fleet Evolution Continuum

- Began with early Compressed Natural Gas (CNG) adoption, then scaled hybrid deployment, and expanded Plug-in Hybrid Electric Vehicles (PHEV) as capabilities improved
- Built on each phase to reduce emissions and support operational reliability
- Next phase is exploring telematics and expanding charging to enable long-term electrification and phased in transition to full battery-Electric Vehicles (EV)

Fleet Composition as of January 2026

KEY: EV = Electric Vehicle **PHEV** = Plug-in Electric Hybrid EV



Vehicle Type	Quantity
93 Light-Duty Passenger Cars	
EV	**3**
Hybrid	12
PHEV	**78**
3 Sport Utility Vehicles (SUV)	
Gasoline	3
20 Vans (9 compact and 11 full size)	
Diesel	1
Hybrid	1
Gasoline	18
Grand Total	**116**

Greening the Fleet

- Supports mission to reduce air pollution and protect public health
- Aligns with Bay Area Air District's Strategic Plan goals

Benefits

- Reduced petroleum use: approximately 27,000 gallons of annual fuel use
- Reduced maintenance costs; improved EV performance and options
- Lower greenhouse gas and criteria pollutant emissions; quieter, safer vehicles
- Demonstrates agency leadership and credibility with partners

Vision & Timeline

Goal: Reach a predominantly electric vehicle fleet by 2030

- Multi-year replacement strategy aligned with asset life cycles and operational needs
- **Five-year implementation approach**, with the first two years focused on pilot validation, requirement-gathering, and iterative evaluation
- **During 2026 and 2027:** Explore feasibility and integrate emerging technologies, e.g., Vehicle-to-Everything (V2X) capabilities, telematics and charging-management systems, and renewable-energy pairing to enhance long-term resilience and operational efficiency

Vision & Timeline (cont.)

- **2026 Initial Pilot: Acquire ~24 EVs** to replace the oldest vehicles and support modest fleet expansion (approx. 10 additional vehicles needed)
- **2027 Pilot Next Phases: Implement improvements identified early on** e.g., charging initiatives, operational support measures, and additional technologies, while acquiring up to 32 more EVs to continue the transition
- **2028–2030 Full Roll-Out:** As technology matures and charging infrastructure expands, electrify remaining light- and medium-duty fleet where feasible

Stakeholder Engagement

Engage stakeholders early to understand operational needs and ensure the pilot and fleet-electrification efforts effectively support Air District staff transportation requirements

- **Listening sessions**, first two scheduled in February and March 2026
- **Staff online survey** to gather direct input on needs, concerns, and expectations (mid-2026)
- **Gain insights from other fleet managers** who have successfully implemented fleet electrification

Suitability Criteria for Pilot and Full Rollout

- Assess travel patterns, duty types, and operational needs
- Evaluate charging access at home, office, and public locations
- Prioritize predictable local travel and vehicles at or near replacement age

Infrastructure, Workforce & Risk Management

- Expand workplace charging and assess home-charging and reimbursement options
- Integrate telematics and charging-management software
- Provide training and safety support for drivers, supervisors, and fleet staff; launch ambassador program
- Plan phased capital investments for vehicles and charging infrastructure
- Pursue incentives and credits while leveraging pilot learnings to reduce risk

Reporting, Metrics & Next Steps

- Track key performance indicators (KPI), including air pollution and greenhouse-gas reductions, fuel savings, maintenance-cost trends, charging-system performance, and driver satisfaction
- Evaluate pilot results and fine tune strategies for future operational impacts
- Report back to the Board with key findings, lessons learned, and recommended refinements to the long-term fleet-transition strategy by early 2027

Questions & Discussion

For more information:

Karen Schkolnick | Director | kschkolnick@baaqmd.gov