

**PLS Administrative Council Agenda**

**April 23, 2026**

**2:00 p.m.**

**Via Zoom**

<https://us06web.zoom.us/j/83742061752?pwd=qmIV0srEHsd96DOETJ90XVkJGeT2EgR.1>

Meeting ID: 837 4206 1752, Passcode: 005533

Call-in Option: (669) 444-9171

**Peninsula Library System Administrative Council**

Chela Anderson, Daly City Public Library (Chair)  
 Brad McCulley, Burlingame Public Library  
 Nicholas Szegda, Menlo Park Public Library  
 Sarah LaTorra, Redwood City Public Library  
 Tim Wallace, San Bruno Public Library

Chelsee De Barra, San Mateo County Community College  
 Stephanie Roach, San Mateo County Community College  
 Anne-Marie Despain, San Mateo County Libraries  
 Rukshana Singh, San Mateo Public Library  
 Valerie Sommer, South San Francisco Public Library

- |  |            |                       |
|--|------------|-----------------------|
| <b>I. Introductions and Roll-Call</b>  | Anderson   |                       |
| <b>II. Approval of Consent Items (Action Item)</b>   | Anderson   |                       |
| A. Approval of Agenda  |            |                       |
| B. Approval of February 3, 2026 Minutes  |            | Attachment 1, pg. 4   |
| C. PLAN Report and Update  |            | Attachment 2, pg. 7   |
| <b>III. Old Business</b>   |            |                       |
| A. Review of Recommendation of PLS Ad Hoc Group for PLAN Formula ( <b>Action Item</b> )                                | Young      | Attachment 3, pg. 11  |
| B. Empower Card Update   | Wasterlain | Attachment 4, pg. 14  |
| <b>IV. New Business</b>  |            |                       |
| A. Formation of Ad Hoc Committee for Shared Programming Analysis   | All        | Attachment 5, pg. 17  |
| B. Recommendations for FY 2026-27 Funding for System-Wide Youth Services Work Group Initiatives ( <b>Action Item</b> ) | Wong       | Attachment 6, pg. 18  |
| C. Approval of Credit Card Settlement Distribution ( <b>Action Item</b> )  | Yon        | Attachment 7, pg. 22  |
| D. Formation of Nominating Committee for FY 2026-27 PLS Officers   | Anderson   | Attachment 8, pg. 23  |
| E. PLS Report: Comparison Study of the Library Services Platform Environment ( <b>Action Item</b> )                    | Young      | Attachment 9, pg. 24  |
| F. End-of-Life Replacement Schedule  | Young      | Attachment 10, pg. 79 |

**V. Reports**

- A. System Chair Report Anderson
- B. PLP Executive Committee Update Frost
- C. System Administration Frost

**VI. Public Comment** - (Individuals are allowed three minutes, groups in attendance five minutes. It is system policy to refer matters raised in this forum to staff for further investigation or action if appropriate. The Brown Act prohibits the Administrative Council from discussing or acting on any matter not agendized pursuant to state law.)

**VII. Review of Draft Agenda Calendar, Agenda Building, and Location for June 4, 2026 Meeting** Anderson Attachment 11, pg. 96

**VIII. Announcements**

**IX. Adjournment**

**Brown Act:** This meeting abides by Cal. Gov't Code § 54953.

Cal. Gov't Code § 54953(b)(1) "Notwithstanding any other provision of law, the legislative body of a local agency may use teleconferencing for the benefit of the public and the legislative body of a local agency in connection with any meeting or proceeding authorized by law. The teleconferenced meeting or proceeding shall comply with all otherwise applicable requirements of this chapter and all otherwise applicable provisions of law relating to a specific type of meeting or proceeding."

Cal. Gov't Code § 54953(j)(6) A "teleconference" is "a meeting of a legislative body, the members of which are in different locations, connected by electronic means, through either audio or video, or both."

Gov't Code § 54953 (b)(2) "Teleconferencing, as authorized by this section, may be used for all purposes in connection with any meeting within the subject matter jurisdiction of the legislative body. If the legislative body of a local agency elects to use teleconferencing, the legislative body of a local agency shall comply with all of the following:

- (A) All votes taken during a teleconferenced meeting shall be by rollcall.
- (B) The teleconferenced meetings shall be conducted in a manner that protects the statutory and constitutional rights of the parties or the public appearing before the legislative body of a local agency.
- (C) The legislative body shall give notice of the meeting and post agendas as otherwise required by this chapter.
- (D) The legislative body shall allow members of the public to access the meeting and the agenda shall provide an opportunity for members of the public to address the legislative body directly pursuant to Section 54954.3."

Gov't Code § 54953 (3) "If the legislative body of a local agency elects to use teleconferencing, it shall post agendas at all teleconference locations. Each teleconference location shall be identified in the notice and agenda of the meeting or proceeding, and each teleconference location shall be accessible to the public. During the teleconference, at least a quorum of the members of the legislative body shall participate from locations within the boundaries of the

territory over which the local agency exercises jurisdiction, except as provided in subdivisions (d) and (e).”

**Meeting Locations**

Burlingame Public Library, 480 Primrose Road, Burlingame, CA 94010

Daly City Public Library, 40 Wembley Drive, Daly City, CA 94015

Arrillaga Family Gymnasium, 600 Alma St, Menlo Park, CA 94025

Redwood City Public Library, 1044 Middlefield Road, Redwood City, CA 94063

San Bruno Public Library, 701 Angus Avenue West, San Bruno, CA 94066

San Mateo County Community College District, 1700 West Hillsdale Boulevard, San Mateo, CA 94402

San Mateo County Libraries, 125 Lessingia Court, San Mateo, CA 94402

San Mateo Public Library, 55 West 3<sup>rd</sup> Avenue, San Mateo, CA 94402

South San Francisco Public Library, 901 Civic Campus Way, South San Francisco, CA 94080

PLS/PLP Offices, 32 West 25<sup>th</sup> Avenue, Suite 201, San Mateo, CA 94403

## PLS Administrative Council

February 5, 2026

2:00 p.m.

Redwood City Public Library, 1044 Middlefield Road, Redwood City, CA 94063

## MINUTES

**Council Representative Present:**

Chela Anderson, DCL (Chair)  
 Brad McCulley, BPL  
 Sarah La Torra, RCL  
 Tim Wallace, SBL  
 Chelssee DeBarra, SMCCCD  
 Stephanie Roach, SMCCCD  
 Mary Abler, SMCL  
 Rukshana Singh, SMPL  
 Brian Malibiran, SSFPL

**System Staff:**

Carol Frost, PLS  
 Justin Wasterlain, PLS  
 Scott Young, PLS  
 Andrew Yon, PLS  
 Rose Waldman, MPL

The meeting was called to order at 2:02 p.m. by Chair Anderson.

**I. Introductions and Roll Call****II. Approval of Consent Items****A. Approval of Agenda****B. Approval of December 4, 2025 Minutes****C. Minutes from January 15, 2026 PLS Executive Committee (Review Only)****D. PLAN Report and Update**

A motion was made, and passed unanimously, to approve the consent items. (M/S McCulley/Wallace)

**III. Old Business****A. eBook Purchasing Chair Mid-Year Report**

Waldman presented eBook statistics from the first half of FY 2025-26. She noted audiobooks were in high demand. Waldman affirmed budget spending was on track for this time of year. She described the wide variety of lending models publishers and vendors were using for libraries. McCulley noted foreign language use seemed lower than expected and suggested promotion of the service may improve usage. La Torra asked if OverDrive could provide high demand lists for languages lacking selectors so materials could still be purchased. Waldman affirmed they did and noted new selectors were being recruited. La Torra inquired if OverDrive could provide lists of materials people are waiting on should they be entered into the collection. Waldman stated she would ask OverDrive for this.

**IV. New Business****A. Day in the District Coordination**

Frost reported the Governor's draft budget maintained the same reduced level of CLSA funding as the previous year. She discussed other CLA legislative priorities, including resources for English as a Second Language and AI programs. Frost noted all the legislative representatives for the PLS area were contacted and several sent letters to the Governor or have requested to sign on to coalition letters. She stated the CLA lobbyist was working out next steps.

**B. Recommendations from the PLS Executive Committee****1) Review of Delivery and PLAN Formulas for SMCCCD**

Frost stated she provided the Colleges with a letter detailing the FY 2026-27 costs for Delivery and PLAN services.

**2) PLS Delivery Preliminary Budget and Formula for FY 2026-27**

Wasterlain provided a high-level overview of the Delivery budget for FY 2026-27. He noted the vehicle replacement schedule and AMH replacement schedule had both been updated to reduce library shared costs. A motion was made, and passed unanimously, to approve the Delivery formula and defer approval of the budget until the June 2026 meeting. (M/S La Torra/McCulley)

**3) PLS PLAN Preliminary Budget and Formula for FY 2026-27**

Young provided a high-level overview of the PLAN budget for FY 2026-27. He noted the firewall would be less expensive than previously expected. Abler inquired if contracts for shared resources were evaluated for usage. Waldman replied that contracts are reviewed when they are up for renewal. Roach asked if accessibility was a consideration in the shared resources used. Waldman noted InfoServices was reviewing accessibility standards as part of the decision to purchase a resource or not. A motion was made, and passed unanimously, to approve the PLAN formula and defer approval of the budget until the June 2026 meeting. (M/S McCulley/Malibiran)

**4) Budget Considerations for Shared Programming in FY 2026-27**

Frost recounted a decision of the Council in February 2025 to move the shared program costs for PLCAF, Summer Learning, and YANovCon out of the Administration budget and into a separate budget where costs would be directly supported by the libraries. La Torra acknowledged the value shared programming has when it is system wide and suggested libraries with limited budgets could potentially opt out if the cost would be a burden. McCulley suggested all libraries should share the costs because each jurisdiction's patrons have the opportunity to receive benefit from the programs. He noted if libraries are able to opt out, remaining libraries will carry additional costs which could make programming less sustainable. Frost suggested libraries could potentially lower their cost through in-kind. Anderson supported the idea of all libraries sharing costs, noting in-kind could cause adverse impacts on staffing. Anderson recommended Summer Learning be separated from the PLCAF and YANovCon budget. Abler asked if

there has been analysis of the shared programming's impact. Frost suggested forming an ad hoc committee to explore program impact and goals in FY 2026-27. Singh recommended the ad hoc group study the workload and participation of staff in the shared programming to make sure there was equity in labor and leadership. Roach asked if the ad hoc committee could include discussion of adult programs as well as youth. McCulley suggested the Youth Services Work Group consider holding PLCAF and YANovCon on alternating years to avoid staff burnout. A motion was made, and passed unanimously, to use the PLAN formula to distribute the costs of FY 2026-27 shared programming across the 8 public libraries and include the colleges if they participate in any program. (M/S La Torra/McCulley)

**V. Reports**

**A. System Chair Report**

No report.

**B. PLP Executive Committee Update**

Frost provided information about PLP's annual meeting, a Staff Development Committee training, and a State Library visioning workshop.

**C. System Administration**

Young provided an update on the ILS Review project and other PLAN projects.

**VI. Public Comment**

There was no public comment.

**VII. Review of Draft Agenda Calendar, Agenda Building for April 2, 2026 Meeting**

- Potentially change date to April 23, 2026
- Empower Card Update
- Form ad hoc committee for shared program analysis
- Form nominating committee for FY 2026-27 PLS Administrative Council and Executive Committee officers

**VIII. Announcements**

Directors provided updates of events and programs at their libraries.

**IX. Human Resources Closed Session**

**A. Closed Session Pursuant to Government Code 94957: Executive Director/PLP CEO Annual Review**

**B. Report of Closed Session Actions**

Council approved Executive Director's annual accomplishments report and workplan for 2026.

**X. Adjournment**

The meeting was adjourned at 4:23 p.m. by Chair Anderson.

# PLAN Projects Report

April 23, 2026

## 1. LSP Review

The final report is complete and will be presented to the PLS Administrative Council on April 23, 2026.

## 2. LibTools Replacement

PLAN is working with the developer to increase the maximum number of barcodes generated. The remaining functions of the LibTools website are either no longer needed or included in Sierra and will not be replaced by PLAN.

## 3. BiblioSuggest & BiblioCloud Records

The new BiblioSuggest forms for submitting suggestions for purchase are live and PLAN is working with the Information Services representatives and BiblioCommons to provide instruction on managing requests and responses and resolve a few issues. PLAN is working on the implementation of OverDrive BiblioCloud Records (BCR). The PLS Information Services Committee has paused the implementation of hoopla BCR, expressing concerns with how the entire catalog of hoopla records will impact search results.

## 4. Phone Alerts Cloud Migration

PLAN is working with Clarivate to implement the new system. This should be completed by June 2026.

## 5. Patron Blocks Revisions

ILL introduced new functionality to manage patron blocks that allows libraries to set circulation policies by library location, jurisdiction or item type. PLAN is working with the Circulation Managers to do essential database cleanup and implement new patron blocks that more accurately reflect the libraries' policies.

## 6. ADA Title II Compliance

1. Websites managed by PLAN: PLAN is working with a web developer to review and prioritize remediations.
2. Shared eResources: PLAN is reviewing the accessibility documentation from each of the providers to ensure they are compliant or working on compliance by the deadline.
3. Patron-facing catalog (discovery layers, patron online registration and payment portal): Bringing the branding colors into compliance for each BiblioCommons site is nearly complete, with only one library outstanding. The online patron registration pages will be remediated next. PLAN continues discussions with BiblioCommons and Clarivate to ensure that the publicly available digital services are compliant.

## 7. PLS Data Center Firewall Refresh Project

The main firewall at the PLS data center was replaced successfully on March 31, 2026. It has been running well so far since it was installed.

## 8. PLS Hyper-V Virtual Server Migration

PLAN has migrated 42 of our 44 total servers to our new virtual environment. The remaining two server that need to be migrated to our new virtual environment is expected to be completed by May 2026.

## PLAN Projects Report

April 23, 2026

### 9. PLS Monitoring System Upgrade

PLAN has upgraded our infrastructure monitoring system (Zabbix) successfully on 4/8/28. So far the new monitoring server is running well. PLAN received grant funding for this project and has submitted the grant reimbursement forms and project reports. We are pending the responses on this from the grant administrator, ICOE.

### 10. PLS VPN Upgrade

PLAN is currently working to upgrade our current VPN service. This project is expected to be completed by June 2026.

# PLAN Projects Report

April 23, 2026

## Projects in Progress

Projects	Pilot Site	Project Start Date	Completion Date	Project Lead	Notes
BiblioSuggest & BiblioCloud Records	N/A	Aug 2025	Jun 2026	Vanessa Walden	Implement add-on features to the BiblioCore subscription bundle.
Redesign of PLAN ServiceDesk support portal	N/A	Jan 2026	Oct 2026	Will Jay	Redesigning the support portal to enhance user experience, improving efficiency for support teams, and aligning the portal with evolving business needs.
Phone Alerts Cloud Migration to IPA	N/A	May 2025	May 2026	Scott Young & John Sarmiento	Migrate from on prem legacy servers to a cloud-based solution
Envisionware Console VM Migration	N/A	Jan 2025	Dec 2025	Josh Shreffler & Will Jay	Completed in Dec 2025
ADA Title II Compliance	N/A	Aug 2025	Apr 2026	Vanessa Walden	All publicly accessible digital services, documents and resources must comply with WCAG 2.1 Level AA guidelines.
LSP Review	N/A	Sep 2025	Apr 2026	Carol Frost & Scott Young	Assessment of LSP functionality and efficiency
Patron Block Revisions	N/A	Jan 2026	Apr 2026	Vanessa Walden	Redesign and revise the patron block policies in Sierra
MPL SelfCheck Upgrade	N/A	Oct 2025	Dec 8 <sup>th</sup> , 2025	Will Jay	All selfChecks have been installed. There were a few configuration issues at the beginning, but they all have been resolved.
Daly City Libraries SelfCheck Upgrade	N/A	Jan 2026	Apr 6 <sup>th</sup> , 2026	Will Jay	All branches have been completed, and the selfChecks are working without any issues. Waiting on side shelves to be added to the selfChecks.
MPL AMH Upgrade	N/A	Nov 2025	Dec 8 <sup>th</sup> , 2025	Will Jay	AMH is up and running. There were some sorting issues that have been resolved or are currently being resolved with Bibliotheca support.

## PLAN Projects Report

April 23, 2026

MPL RFID Pad Upgrade	N/A	Nov 2025	Dec 15 <sup>th</sup> , 2025	Will Jay	All RFID pads have been replaced and haven't had any issues.
Credit Card Machine EOL hardware swap	N/A	Apr 2026	May 2026	Will Jay & Josh Shreffler	PLAN will inventory, receive, and swap the old credit card terminal. No cost for the replacement hardware.

### Future Projects

Projects	Pilot Site	Project Start Date	Completion Date	Project Lead	Notes
Sierra Servers RHEL 9 OS Upgrade	N/A	TBD	TBD	John Sarmiento & Vanessa Walden	Sierra is certified to run on RHEL 9 starting with version 6.3
Sierra Cloud pricing and discussion	N/A	TBD	TBD	Scott Young & Vanessa Walden	TBD
Sierra Training Servers	N/A	TBD	TBD	Josh Shreffler, John Sarmiento & Vanessa Walden	Turn up training servers to be used for off-production testing of upgrades and security
LX Starter Email Notices	N/A	TBD	TBD	Vanessa Walden	Ill is working on technical and workflow improvements for consortia
PLAN Asset Inventory	N/A	Jan 2026	TBD	Will Jay	Validate and consolidate the current asset inventory to ensure it functions as the definitive source of truth

**To:** PLS Administrative Council  
**From:** Carol Frost  
**Subject:** Review of Recommendation of PLS Ad Hoc Group for PLAN Formula  
**Date:** April 23, 2026

### **Background**

The PLAN and Delivery formulas were adopted by the PLS Council in 2013. At the December 2024 PLS Administrative Council meeting, the Council reviewed some potential rebalancing models to the PLS Delivery and PLAN formulas.

At the February 2025 Council meeting, an Ad Hoc Group was formed with Rukshana Singh, Valerie Sommer, and Tommy McMahan, to research the potential for changing formula metrics in the FY 2026-27 budget. Their recommendation for the Delivery formula was presented at the December 2025 PLS Council meeting.

The Council affirmed their recommendation that the existing formula for Delivery (25% of costs on the number of stops a jurisdiction has, and 75% on volume of delivery) is sufficient and does not need adjustment and would be continued for the FY 2026-27 budget.

The composition of the Ad Hoc group changed to include San Mateo County, Redwood City, San Mateo Public and South San Francisco, with PLS staff participation.

Below is the update and recommendation for the PLS PLAN formula.

### **Discussion**

The current PLAN formula includes:

- A baseline, comprised of 10% of the overall PLAN budget
- Of the remaining 90%, it is divided into equally weighted parts:
  - 50% of circulation
  - 50% of the average technology indicators, consisting of 3 data points:
    - network devices (including routers, switches, and wireless access points)
    - wired PCs (including both staff and public)
    - wireless statistics

An analysis presented to the Council at the December 2024 meeting noted two significant changes since this formula was adopted:

- 1) The data point with the greatest variance has been the number of wired PCs (staff and public). Many libraries have moved to fewer computers and more space for personal seating for people to use their own laptops or loanable laptops. This has resulted in some libraries' costs decreasing, while the other libraries, which have not removed physical computers due to local needs, have experienced an increase in the percentage of costs.

- 2) The formula does not capture the time spent by PLAN staff on AMH and self-checks.

The Ad Hoc Group has met multiple times and reviewed well over 10 cost share models for PLAN. The following scenarios were examined:

***Changing the base fee.*** The consensus was that using a base fee recognizes the value of participating in a consortia environment and normalizes the costs across libraries. The Ad Hoc explored options which eliminated or lowered the base fee, but ultimately it was felt that 10% is a reasonable amount and helps lessen the effect if other metrics change over time.

***Wireless access points vs. wireless statistics.*** The consensus was that wireless statistics can fluctuate greatly based on programming and other external factors. It is recommended to eliminate the wireless statistics from the formula and continue to use the wireless access points as a data point.

***Adding Self Checks and AMHs.*** It was agreed that adding these metrics as part of the technology indicators is a more accurate reflection of the workload and equipment in the library.

***PLAN Tickets, Number of Branches.*** Scenarios were created using the number of tickets, as well as the number of branch outlets. Both of these were rejected due to vast inequities in costs.

***Percentages for Formula.*** Many scenarios were examined that modified the current 50% circulation, 50% technology indicators. All of them were rejected due to vast inequities in costs. It is recommended to continue with the 50% circulation and 50% technology indicators, as well as a 10% base fee.

***Desire for little or no increase for the smallest libraries.*** It was felt that any changes to the formula should strike a balance between reflecting the true work of PLAN, along with minimizing overall impact to any one library, particularly libraries with smaller budgets. However, due to changes in technology metrics, particularly the introduction of AMH and self-check machines, some increases have inevitably occurred. The Ad Hoc believes the proposed formula will be equitable in the long term but recognizes the first year may result in larger changes than normal. “

**Changes to the PLAN Formula**

The Ad Hoc Committee came to these recommendations:

Item in Current Formula	Recommended Change	Notes
A baseline, comprised of 10% of the overall PLAN budget	No change	the 10% base demonstrates the value of the shared system, and it also lessens the effect of any changes in the individual statistics.
Of the remaining 90%, it is divided into equally weighted parts:		
50% of circulation	No change	Still valid
50% of the average technology indicators, consisting of 3 data points:		
1)network devices (including routers, switches, and wireless access points)	No change	Still valid
2)wired PCs (including both staff and public)	No change	Still valid
3)wireless statistics	Remove wireless statistics, and replace with AMH and Self Checks	Wireless statistics can vary greatly, and adding AMH and Self Checks reflects current time spent by PLAN staff.
SMCCD Cost Share: negotiated annually	No change	Still valid

Using the data points from the approved formula for FY 2027-28, below is a chart representing the changes.

	Base Fee	Circulation	Revised Technology	Total Fee	% of Revised Formula	Revised Formula	% of Original Formula	Original Formula	Difference	Percentage Difference from Original Cost
BPL	\$ 20,370	\$73,296	\$ 48,067	\$ 141,733	8.59%	\$ 141,733	8.59%	\$140,385	\$ 1,348	0.95%
DCPL	\$ 20,370	\$29,272	\$ 40,679	\$ 90,321	5.47%	\$ 90,321	5.79%	\$90,113	\$ 208	0.23%
MPL	\$ 20,370	\$58,295	\$ 42,350	\$ 121,015	7.33%	\$ 121,015	6.46%	\$106,842	\$ 14,173	11.71%
RCPL	\$ 20,370	\$80,614	\$ 80,065	\$ 181,048	10.97%	\$ 181,048	10.85%	\$173,939	\$ 7,109	3.93%
SBPL	\$ 20,370	\$23,095	\$ 17,070	\$ 60,535	3.67%	\$ 60,535	3.99%	\$57,103	\$ 3,432	5.67%
SMCO	\$ 20,370	\$329,439	\$ 331,696	\$ 681,505	41.29%	\$ 681,505	42.01%	\$709,942	\$ (28,437)	-4.17%
SMPPL	\$ 20,370	\$85,764	\$ 96,799	\$ 202,933	12.30%	\$ 202,933	12.37%	\$197,112	\$ 5,821	2.87%
SSFPL	\$ 20,370	\$53,533	\$ 76,581	\$ 150,483	9.12%	\$ 150,483	8.64%	\$154,136	\$ (3,653)	-2.43%
<b>SMCCCD</b>	<b>\$20,962</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$20,962</b>	<b>1.27%</b>	<b>\$20,962</b>	<b>1.29%</b>	<b>\$20,962</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Total</b>	<b>\$ 162,957</b>	<b>\$ 733,308</b>	<b>\$ 733,308</b>	<b>\$ 1,650,535</b>	<b>100.00%</b>	<b>\$ 1,650,535</b>	<b>100.00%</b>	<b>\$1,650,535</b>	<b>\$0</b>	

**Recommendation**

The Ad Hoc Committee recommends the Council adopt this new formula and begin implementation in FY 2027-28.

**To:** PLS Administrative Council  
**From:** Justin Wasterlain  
**Subject:** Empower Card Update  
**Date:** April 23, 2026

### **Background**

The purpose of the Empower Card Pilot program between Redwood City and San Mateo County Libraries was to provide every public K-12 student with this special student card and to allow the students access to all materials available between the two libraries.

At the December 4, 2025 PLS Administrative Council Meeting, the Council was presented with information from the Circulation Committee about the Empower Card program to determine what the next steps of the program would be, if any.

The Council discussed logistics of the program and requested a list of all student-related databases currently owned by libraries in the system to determine how much overlap there is.

The PLS Circulation Managers and InfoServices Committee were charged with compiling data and presenting it to the Council. The purpose of this memo is to discuss this progress and next recommended steps.

### **Discussion**

A list of all databases currently owned by libraries in the system has been compiled to determine how much overlap there is. This information is provided in the chart following the memo.

The list is exhaustive and not necessarily exclusive to student-oriented databases. It is recommended that rather than pursuing pricing for all subscriptions, the Council should provide guidance on which subscriptions are the most advantageous in determining system-wide pricing. Once this direction is provided, PLAN could take the lead in obtaining pricing.

### **Recommendation**

It is recommended that the Council form an ad hoc committee comprised of directors, and representative of the circulation manager committee, InfoServices Committee, and Youth Services Work Group to review the list of databases attached to determine which databases would be desired for a systemwide subscription should the Empower Card program expand. The ad hoc should also discuss potential issues in executing the Empower Card program, such as communicating and partnering with school districts and privacy issues. Following this, the ad hoc could request PLAN to discuss systemwide pricing with the identified vendors and provide that pricing to the Council at a meeting in early FY 26-27. At this time, the ad hoc could present a recommendation to the Council on expanding or discontinuing the Empower Card program.

**Electronic Resources Held Across PLS**

RCPL and SMCL share checkmarked resources through Empower Card

Resource	BPL	DCL	MPL	RCPL	SBL	SMCL	SMPL	SSF
<b>PLS Shared Resources</b>								
Academic Search Complete	✓	✓	✓	✓	✓	✓	✓	✓
America: History & Life (EBSCO)	✓	✓	✓	✓	✓	✓	✓	✓
Auto Repair Source	✓	✓	✓	✓	✓	✓	✓	✓
Biography Reference Source	✓	✓	✓	✓	✓	✓	✓	✓
Biography Reference Bank	✓	✓	✓	✓	✓	✓	✓	✓
Business Source Complete	✓	✓	✓	✓	✓	✓	✓	✓
Elementary School Search (EBSCO)	✓	✓	✓	✓	✓	✓	✓	✓
EBSCOhost	✓	✓	✓	✓	✓	✓	✓	✓
ERIC (Education Resources Information Center)	✓	✓	✓	✓	✓	✓	✓	✓
High School Research (EBSCO)	✓	✓	✓	✓	✓	✓	✓	✓
History Reference Source (EBSCO)	✓	✓	✓	✓	✓	✓	✓	✓
General Research (EBSCO)	✓	✓	✓	✓	✓	✓	✓	✓
Kanopy		✓	✓	✓		✓	✓	
Legal Information Referece Center (EBSCO)	✓	✓	✓	✓	✓	✓	✓	✓
Literary Reference Source Plus (EBSCO)	✓	✓	✓	✓	✓	✓	✓	✓
MasterFILE Premier with Consumer Reports (EBSCO)	✓	✓	✓	✓	✓	✓	✓	✓
MedLine Plus	✓		✓	✓	✓	✓	✓	✓
Medline Plus Espanol	✓		✓	✓	✓	✓	✓	✓
Middle School Search (EBSCO)	✓	✓	✓	✓	✓	✓	✓	✓
Newspaper Source Plus		✓	✓	✓	✓	✓	✓	✓
New York Times Online	✓	✓	✓	✓	✓	✓	✓	✓
OverDrive/Libby	✓	✓	✓	✓	✓	✓	✓	✓
Points of View Reference Center (EBSCO)	✓	✓	✓	✓	✓	✓	✓	✓
Professional Development Collection		✓	✓	✓		✓	✓	✓
OverDrive Magazines (Formerly RBDigital)	✓	✓	✓	✓	✓	✓	✓	✓
Reference Solutions (Formerly Data Axle)		✓	✓	✓	✓	✓	✓	✓
Referencia Latina			✓	✓	✓	✓	✓	✓
O'Reilly (Previously Safari Tech Books)	✓	✓	✓	✓	✓	✓	✓	✓
Science Reference Source (EBSCO)		✓	✓	✓	✓	✓	✓	✓
Teacher Resources (EBSCO)		✓	✓	✓	✓	✓	✓	✓
<b>Free Access Collections</b>								
Britannica Escolar		✓		✓		✓	✓	✓
Britannica Elementary School		✓		✓		✓	✓	✓
Britannica Escolar		✓		✓		✓	✓	✓
Britannica Escolar Primaria		✓		✓		✓	✓	✓
Britannica Escolar Secundaria		✓		✓		✓	✓	✓
Britannica High School		✓		✓		✓	✓	✓
Britannica Middle School		✓		✓		✓	✓	✓
Britannica School	✓	✓		✓		✓	✓	✓
Book Connections (Children, Teen, Spanish)		✓		✓		✓		
California Driver Permit Practice Tests				✓		✓		
California Mission eBooks		✓			✓	✓	✓	✓
California Social Studies Fact Carts						✓		
Cliff Notes					✓	✓		
Gale In Context: Enviromental Studies				✓	✓	✓		
Gale Interactive: Science				✓	✓	✓		
GFC Learn Free Spanish				✓				
Kelly Blue Book	✓			✓				
Khan Academy				✓				
Merriam Webster Spanish/English	✓			✓				
National Geographic Kids (Gale)	✓			✓	✓	✓	✓	
The Palace Project		✓		✓		✓		
Phase2Careers				✓				
Project Guttenberg						✓		
ProQuest Central Student (Grades 9-12)		✓				✓		
ProQuest Culturegrams (Grades K-12)						✓	✓	
ProQuest eBook Central			✓			✓	✓	
ProQuest eLibrary (Grades 6-12)						✓		

ProQuest K-12 Online Resources						✓		
ProQuest Research Companion (Grades 8-12)				✓		✓		
ProQuest SIRS Discoverer (Grades 3-9)				✓		✓		
Teaching Books.net	✓	✓		✓		✓		
The New York Times	✓	✓	✓	✓	✓	✓	✓	✓
USA Learns				✓				
Voter's Edge CA						✓		
<b>Shared Paid Services (separate from PLS)</b>								
Adult Learning Center Brainfuse				✓		✓	✓	
Brainfuse HelpNow Online Tutoring				✓		✓	✓	
Career Online High School				✓		✓		
hoopla				✓		✓	✓	
LinkedIn Learning (Formerly Linda.com)				✓		✓		
ProCitizen	✓			✓		✓	✓	
Pronunciator	✓			✓		✓	✓	
VetNow Brainfuse				✓				
<b>Unique Collections</b>								
ABCmouse	✓	✓	✓			✓	✓	
Ancestry (In Library Use Only)	✓					✓	✓	
Asian Life in America				✓		✓		
Axis 360						✓		
Black Life in America				✓		✓		
BookFLIX				✓				
Calm						✓		
Cell-Ed						✓		
Coursera						✓		
Creativebug			✓			✓		
Digital Reel (HMB and Brisbane Newspapers)						✓		
Discover & Go				✓		✓	✓	
eBooks in Chinese (Overdrive)				✓		✓		
eBooks in Korean (Overdrive)						✓		
eBooks in Russian (Overdrive)						✓		
EBSCO eBooks				✓				
Flipster						✓		
HeritageHub (Newsbank)				✓		✓		
HeritageQuest						✓		
HyRead (Chinese eBooks)						✓		
Indigenous Life in America (Newsbank)				✓		✓		
Kono (Japanese eMagazines)						✓		
Link+						✓	✓	
Pronunciator (Previously Mango)	✓			✓		✓		
Morningstar						✓	✓	
My China Roots						✓		
Newspapers - Local by Newsbank						✓		
Niche Academy						✓		
Novelist Plus						✓		
Novelist K-8 Plus			✓			✓		
Odilo Spanish eBooks						✓		
PressReader - for Families, Kids & Tweens				✓		✓	✓	
Qikan (Chinese)						✓		
SMC Connect						✓		
Tumblebooks			✓			✓	✓	
Udemy by Gale						✓		
Weiss Rating Financial Ratings Series						✓	✓	
World Book Online	✓			✓		✓		
A-Z World Food			✓					
Road Warrior			✓					
LOTE 4 Kids			✓					

**To:** PLS Administrative Council  
**From:** Carol Frost  
**Subject:** Formation of Ad Hoc Committee for Shared Programming Analysis  
**Date:** April 23, 2026

### **Background**

At the February 2026 PLS Administrative Council meeting, the Council discussed the cost distribution of the shared PLS programming, including PLCAF, Summer Learning, and YANovCon.

It was asked if there has been analysis of the shared programming's impact.

It was recommended that an ad hoc group be formed. Some of the topics which could be studied included:

- an analysis of the impact of each program
- the workload and participation of staff in the shared programming to make sure there was equity in labor and leadership
- discussion of adult programs as well as youth
- consider holding PLCAF and YANovCon on alternating years to avoid staff burnout
- considering sunsetting certain programs to make way for potential new programs
- discussion of a potentially creating a new shared programming committee to lead these efforts rather than the Youth Services Work Group since the scope of most programs is more than just youth

### **Recommendation**

It is recommended the PLS Administrative Council form an ad hoc group for a shared programming analysis. In forming the group, the composition should be considered, such as having a mix of directors, youth librarians, and members of InfoServices.

**To:** PLS Executive Committee  
**From:** Desiree Wong Chair, PLS Youth Services Work Group  
**Subject:** Recommendation for FY 2026-27 Funding for System-Wide Youth Services Work Group Initiatives  
**Date:** April 23, 2026

### Background

The PLS Youth Services Work Group is responsible for the coordination of three system-wide annual programs: Summer Learning Challenge (SLC), Young Adult Novelist Convention (YANovCon), and Peninsula Comics Arts Fest (PLCAF).

Budget demands have changed drastically over the last couple of years, forcing the PLS Youth Services Work Group to rethink how these initiatives are funded. With the discontinuation of San Mateo County Reads and the termination of a systemwide United Against Hate program, funds were reallocated towards YANovCon and PLCAF. Measure K funds used to support SLC are no longer available as of FY 25-26, which resulted in shared costs focusing only on scholarships and graphics for the program.

In FY 2025-26, PLS budgeted:

- YANovCon - \$15,000
- PLCAF - \$15,000
- SLC scholarships - \$8,000 (rolled over from the FY 2024-25 budget)
- SLC graphics - \$5,000

### PLCAF 2027

PLCAF is a month-long celebration of the importance of comics as literature in a visual art form for all ages and enables aspiring artists and readers of all ages through author visits, workshops and Comics-related programs. We have seen a steady increase in participation in both the Small Press Comics Expos and the smaller featured in-person programming hosted by Peninsula Libraries. Below is a table showing the attendance numbers for 2025 and 2024 compared to pre-COVID attendance numbers. There are no attendance numbers recorded for 2023. In 2022 the program was only a week-long and held virtually, and 2020 and 2021 were cancelled due to COVID. Based on past reports, 2019 was listed as a record high for attendance numbers. As we are still in the middle of PLCAF for 2026, we do not yet have attendance numbers.

	2025	2024	2019
Budget	\$15,000	\$15,000	\$10,000
Small Press Comics Expo	869	631	372
PLCAF Total Attendance	2,162	1,364	1,901
Passive Program Engagement	1,019	277	108
Author Talks and Workshop Attendance	1,237	733	811
Number of Author Talks and Workshops	27	37	21

The Youth Services Work Group feels the current budget of \$15,000 for PLCAF is sufficient and recommends this become the annual budget for this program moving forward.

### **YANovCon 2027**

YANovCon is an annual themed convention featuring Young Adult novelists who participate in a series of programs over the course of one day. The location of this convention shifts through San Mateo County every year to allow better access to community members who may be location-bound. This program focuses on teens, who traditionally are offered less programming than our youth and adult populations.

The format of this program has changed in the last couple of years. Before COVID, authors were scheduled to visit schools and incarcerated youth facilities directly in addition to the single day convention. Since reopening our libraries and relaunching this program, the YANovCon Committee has focused its energy and funding on the single day convention. This is mostly due to rising cost of author visits. Participation numbers for this event are holding steady, with an average panel attendance of 51 in 2025, 38 in 2024, and 54 in 2023. A chart was not possible due to differences in attendance recording before and after the COVID closure.

The Youth Services Work Group feels the current budget of \$15,000 for YANovCon is sufficient and recommends this become the annual budget for this program moving forward.

### **SLC 2026**

SLC is an annual initiative to increase summer engagement and encourage reading throughout the summer to combat summer slide. Although the PLS SLC is mostly focused on Youth Services due to being the responsibility of the Youth Services Work Group, Summer Reading programs are all ages programs. A few of our member libraries treat them as one cohesive program, while others run simultaneous adult summer programs through their adult services departments.

From FY 2013-14 through FY 2023-24, PLS received over \$350,000 per year from Measure K funds which were used to purchase give away books (88%), hire interns (2%), provide scholarships for each branch (9%), and commission a local artist to create artwork and logs available to all PLS libraries (1%). With the loss of these funds, each jurisdiction provided its own local funding to cover the cost of giveaway books and hiring interns. Scholarships were reduced from one \$1,000 scholarship per branch to one \$1,000 scholarship per jurisdiction funded by PLS. PLS allocated \$5,000 to cover the cost of commissioning a local artist to create artwork and logs available to all PLS Libraries.

With this loss of Measure K funding, a few jurisdictions have taken control over their own summer program. Menlo Park Libraries opted out of Measure K and have fully funded their own program without the use of the PLS wide log for the last 8 years. In 2024, San Mateo County Libraries stepped away from using the shared logs and designed a new Summer Adventure Program focusing on increasing equity by allowing for patrons to choose their own summer goals. In 2025, Burlingame also stepped away from using the shared logs and designed their own summer program. They saw an increase in participation and event attendance due to their ability to list summer events directly on their new logs. As of right now, five jurisdictions are planning on using shared logs in 2026, with San Mateo County, Menlo Park, and Burlingame continuing to run their own programs.

For SLC, each jurisdiction has different priorities. While some of those are aligned, it makes it difficult to bring all parties back into one centralized and standardized program without reinventing the program with a much larger budget. Even when the SLC was well funded, the general program was curated to each library's community. Even with the same log, libraries are choosing their own prize structure, events, and program dates based on their specific communities' expectations and needs. The YSWG feels it is more important to offer assistance that allows jurisdictions to curate their own programs effectively than to standardize the program in a way that generalizes our local communities. The YSWG feels this is a disservice to our communities.

Although each jurisdiction has different priorities when moving forward with a large-scale program, there was some overlap. Scholarships have been a consistent part of the PLS Summer Reading program and multiple jurisdictions prioritize continuing to receive funding for scholarships. While three of our jurisdictions prioritize control and customization of logs, the five other jurisdictions prioritized cohesion in terms of graphics and optics. Prioritizing a shared log option will allow those jurisdictions with less capacity to focus their resources on providing prizes and outreach to increase access for their communities.

To increase accessibility to SLC, the PLS Youth Services Work Group discussed ways to improve marketing, such as sending out a mailer to every household on the Peninsula (about \$0.50 cents per mailer), purchasing a billboard ad near one of the popular Caltrain Stations, and using a system wide online reading tracker such as Reader Zone (about \$50,000 for 100,000 readers). The YSWG will prioritize marketing campaigns in 2027 but hopes to move towards the use of all three options in the future when funds are available. The online reading tracker will be more effective when coupled with more widespread marketing campaigns.

One of the biggest obstacles in terms of equity is prize structure. Without the Measure K funds, we have a few member libraries who are unable to purchase enough giveaway books to match the prize structure of the rest of PLS. Last year, Daly City was unable to purchase finishing prizes for their participants. South San Francisco applied for grant funding from outside sources, such as Genentech to cover the cost of giveaway books. Supplemental funding for prize books is becoming a necessity for multiple jurisdictions.

Finally, true equity for SLC requires an expansion to serve all ages. Currently, the PLS SLC program is only focused on serving people aged 0 through 17. The libraries who serve people over the age of 18 are doing so independently of the PLS SCL program. To expand this program to truly serve every member of our community, input from adult services personnel is required.

The PLS work group requests \$8,000 to provide one \$1,000 scholarship per jurisdiction for SLC 2026, \$5,000 to commission a local artist to create artwork and logs available to all PLS libraries for SLC 2027, and \$50,000 for increasing accessibility and equity for SLC 2027.

Additionally, the PLS Youth Services Work Group requests that PLS reapply for Measure K funds, if the opportunity becomes available again, to be designated for programing that is available to all jurisdictions. This would allow libraries who need extra money for SLC books a chance to apply for additional support and can also be used by libraries looking for additional funding to support other types of community events over the summer.

**Recommendation**

The Youth Services Work Group recommends the Administrative Council approve the following FY 2026-27 budget for system-wide initiatives:

Program	Amount
SLC	\$63,000
PLCAF	\$15,000
YANovCon	\$15,000
<b>TOTAL</b>	<b>\$93,000</b>

**PLS Youth Group Budget Shared Programming**  
**Example of Using the PLAN Formula for Distributed Costs**

	Summer Learning Celebration			PLCAF			YANovCon		
	\$63,000			\$15,000			\$15,000		
Library Jurisdictions	% Share	Include (Y/N)	Cost Share	% Share	Include (Y/N)	Cost Share	% Share	Include (Y/N)	Cost Share
Burlingame	8.50%	Y	\$5,427	8.50%	Y	\$1,275	8.50%	Y	\$1,292
Daly City	5.46%	Y	\$3,484	5.46%	Y	\$819	5.46%	Y	\$829
Menlo Park	6.47%	Y	\$4,131	6.47%	Y	\$971	6.47%	Y	\$983
Redwood City	10.53%	Y	\$6,725	10.53%	Y	\$1,580	10.53%	Y	\$1,601
San Bruno	3.46%	Y	\$2,208	3.46%	Y	\$519	3.46%	Y	\$526
San Mateo County	43.00%	Y	\$27,447	43.00%	Y	\$6,449	43.00%	Y	\$6,535
San Mateo Public	11.94%	Y	\$7,620	11.94%	Y	\$1,791	11.94%	Y	\$1,814
South San Francisco	9.34%	Y	\$5,959	9.34%	Y	\$1,400	9.34%	Y	\$1,419
Community Colleges	1.31%	N	\$0	1.31%	Y	\$196	1.31%	N	\$0
<b>Total PLS cost</b>	<b>100.00%</b>		<b>\$63,000</b>	<b>100.00%</b>		<b>\$15,000</b>	<b>100.00%</b>		<b>\$15,000</b>

## Peninsula Library System

**To:** PLS Administrative Council  
**From:** Andrew Yon, Controller  
**Subject:** Approval of Credit Card Settlement Distribution  
**Date:** April 23, 2026

**Background**

In 2025, PLS administration received a litigation claim letter for a lawsuit that was settled with Visa & Master Card for a \$5.54 billion settlement for restricting credit card merchants from offering cheaper payment methods between 2004 and 2019. Staff submitted a settlement claim with the necessary supporting documents on behalf of the PLS libraries. PLS received a claim settlement check in amount of \$1,276.59.

Since these funds belong to PLS public libraries, it is recommended the funds are reallocated using the most current PLAN formula from FY 2025-26.

<b>PLAN FORMULA</b>					
<b>Credit Card Fees Refund Cost Share</b>					
<b>Amount to Be Distributed</b>					<b>\$1,276.59</b>
<b>Library Jurisdictions</b>	<b>% Share</b>	<b>Include in Estimate (Y/N)</b>	<b>Base Amt</b>	<b>Revised % based upon libraries participation</b>	<b>Credit Card Fees Refund Cost Share</b>
Burlingame	8.59%	Y	0.0859	8.71%	(\$111.15)
Daly City	5.79%	Y	0.0579	5.87%	(\$74.92)
Menlo Park	6.46%	Y	0.0646	6.54%	(\$83.49)
Redwood City	10.85%	Y	0.1085	10.99%	(\$140.35)
San Bruno	3.99%	Y	0.0399	4.04%	(\$51.55)
San Mateo County	42.01%	Y	0.4201	42.56%	(\$543.37)
San Mateo Public	12.37%	Y	0.1237	12.54%	(\$160.03)
South San Francisco	8.64%	Y	0.0864	8.75%	(\$111.73)
<b>Total</b>	<b>100.00%</b>		<b>0.9871</b>	<b>100.00%</b>	<b>(\$1,276.59)</b>

**Recommendation**

It is recommended the PLS Administrative Council approve the credit card fees refund cost share. Rather than distribute a check to each library jurisdiction, it is further recommended that the Council approve that these funds be applied to offset participating library's E-Commerce credit card fees until the funds are depleted.

**Guidelines for Ad Hoc PLS Nomination Committee**

1. Officers in both the PLS Administrative Council and Executive Committee hold office over the course of a fiscal year.
2. Annually during the April Administrative Council meeting, an ad hoc nomination committee will be formed.
3. The nomination committee should be composed of 2-3 members of the Administrative Council.
4. The ad hoc nomination committee will be tasked with recommending the Chair and Vice Chair for the Administrative Council as well as the Executive Committee.
5. The ad hoc nomination committee will consult in advance with any director being proposed as a candidate to ensure their willingness and capacity to serve in that role.
6. The slate of recommendations will be brought to the June Administrative Council meeting as an action item to approve the officers for the following fiscal year.

**PLS Executive Committee**

Executive Committee Vice-Chair is Administrative Council Chair

<i>Fiscal Year</i>	<i>Chair</i>	<i>Vice-Chair</i>	<i>Member at Large</i>	<i>Member at Large</i>
2022/23	SMCL	SMP	SSF	SBL
2023/24	SBL	SMCL	SMP	RCL
2024/25	DCL	SBL	SMCL	BPL
2025/26	BPL	DCPL	RCL	SMPL

**PLS Administrative Council**

Administrative Council Chair is Executive Committee Vice-Chair

<i>Fiscal Year</i>	<i>Chair</i>	<i>Vice-Chair</i>
2022/23	SMP	SMCL
2023/24	SMCL	SBL
2024/25	SBL	DCL
2025/26	DCPL	BPL

April 14, 2026

# Peninsula Library System

Comparison Study of the Library Services Platform  
Environment

MARSHALL BREEDING

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# Peninsula Library System: Environmental Scan and Strategic Opportunities

By Marshall Breeding

April 2026

## Executive Summary

The Peninsula Library System seeks information and perspective regarding the library management, discovery, and other technology-enabled services it provides to its member libraries. The consortium has used Sierra since 2013, upgrading from its precursor Millennium implemented in about 2005. PLS implemented BiblioCore from BiblioCommons in 2013. At that time BiblioCore offered a dramatically improved interface than Encore, the discovery product offered by Innovative at that time. In 2013 both Sierra and BiblioCommons were considered state-of-the-art technology systems for public libraries. The combination of the two paired an integrated library system with outstanding capabilities for technical services and circulation for physical materials with the most advanced discovery and patron services environment available.

PLS members and PLAN seem to be generally satisfied with Sierra, and the PLS Administrative Council has generally agreed they are reluctant to change systems, at least soon. The Sierra ILS delivers full functionality across all modules to address the operational needs of PLS members. BiblioCore continues to be well regarded as the primary interface for patrons.

Since that time, significant changes have transpired in the public library environment and in the vendor and technology landscape. Over the last decade, the proportion of digital materials collected and loaned by libraries has increased dramatically, with many libraries seeing eBooks and other digital downloads approaching parity with physical circulation transactions.

Clarivate has demonstrated a gradual shift toward Polaris as its strategic public library offering. Sierra continues to be supported and sees some development, but Polaris is marketed for new sales. Polaris has been quite successful in the public library marketplace, seeing new sales to many large-scale libraries. Under Clarivate, Polaris has expanded internationally, with major sales in Singapore, Australia, and Malaysia.

Polaris offers complete functionality and has been proven scalable to implementations in very large library systems and consortia. It is built on Microsoft Windows server

technologies. Even though its staff interfaces are now web-based, the underlying technology evolved from a client/server architecture. Despite its evolution, Polaris cannot be considered as residing atop a modern cloud native multitenant architecture.

Clarivate has launched the Vega suite as its strategic offering for public libraries for patron-facing interfaces and services. Vega supports both Sierra and Polaris. Though developed as an independent platform, Vega integrates tightly with both Sierra and Polaris but does not operate with ILS products from other vendors.

Vega has seen relatively quick development, following some false starts. Since its release in 2021, Vega has risen to the point where it finds widespread use, though it has plenty of room for improvement. 60 libraries (133 branches) using BiblioCore have shifted to Vega in the last two years. The key trend is that libraries choosing Polaris generally choose Vega as their discovery interface, even if it displaces third-party products such as those from BiblioCommons. This trend may reflect confidence in Vega, even though currently BiblioCore may have an edge in features. Vega includes several optional product options.

The Vega LX suite includes several products that each address specific tasks or activities, each with a focus on a specific aspect of patron services. Each Vega application competes with multiple third-party options. Acquiring these capabilities through Vega may offer some advantages as an integrated solution supported by Clarivate. Alternatively, libraries can acquire products from multiple vendors that may have more advanced or mature products but may involve more complex integration and support scenarios. Regardless of the expanding scope of Vega LX, there will be ongoing needs to integrate third party products for needs not within its product scope or when competing options are considered superior. Even if PLS acquires Vega Discover, individual libraries will be able to opt for add-on Vega alternative products.

BiblioCommons was acquired by Volaris, an operating company of Constellation Software, Inc. in March 2020. Founders Beth Jefferson and Patrick Kennedy exited the company. BiblioCommons continues to develop and support BiblioCore, BiblioWeb, and BiblioApps. There is no evidence that the advancement of its products has slowed under new ownership. Some libraries have moved away from BiblioCommons as they migrated to new ILS products.

At the time that PLS implemented BiblioCore other discovery products did not come close to its features and sophistication as a platform for patron discovery and services. Since that time competing products, especially Vega Discover and Aspen Discovery have emerged with very similar capabilities.

New contracts for Polaris usually include the Vega suite of patron products, reflecting a general preference to work with a single vendor for library management and discovery. Polaris is currently winning more new clients than other proprietary systems.

Sierra and BiblioCommons continue as viable products for PLS in the short term. Both fulfill the operational expectations of the PLS member libraries. Sierra, though currently well supported by Clarivate, has lost much of the edge it held over other products a decade ago.

No urgent need currently warrants making major changes. Contracts for Sierra and BiblioCommons should be renewed for another term, though not for more than three years.

In the longer term, PLS should begin planning to review its library management and patron services technologies to ensure that its future offerings represent state-of-the-art library management and patron services.

Possible considerations include:

- Possible migration from Sierra to Polaris. Within the Clarivate product line, Polaris continues to ascend while Sierra descends, both in terms of overall installations, new sales, and development priorities. Polaris is offered as a fully web-based ILS with very similar capabilities to Sierra, though with a different personality.
- Retaining BiblioCore while moving the ILS will make the change transparent to patrons.
- Redeploying Sierra as a hosted service from Innovative for the next contract term. This option would not provide any functional improvements but would reduce the resources required for technical administration. This option should reduce the security risks compared to locally managed servers. If PLS plans to move away from Sierra after the current term, then the effort of transition may not pay off.
- Possible migration from BiblioCommons to Vega Discover. There will be some benefits to operating library management and discovery products from the same provider. Advantages include tighter integration, better alignment of bibliographic data and holdings, and simplified support channels. This move should not be considered unless or until there is full parity between the capabilities of the Vega applications and those from BiblioCommons. Recent trends show a narrowing gap. Note that BiblioWeb only works with libraries using BiblioCore, so this would mean exploring another alternative for libraries such as San Mateo County Libraries that have already implemented their website based on BiblioWeb.
- Possible consideration of Spydus from Civica. In some international regions, Spydus from Civica is regarded as one of the top library management systems.

Spydus has been implemented by several large-scale consortia including those serving all the public libraries in Ireland and another for those in Wales. It has an integrated discovery environment with comparable capabilities to BiblioCore and Vega Discovery. Spydus offers web-based interfaces for all staff functions. Civica's library services division does not currently have a major presence in North America, though it has won some recent procurements. If Civica manages to make strides in North America, it would be among the library management systems to consider as an eventual replacement for Sierra. Given these factors, Spydus would be a riskier option than Polaris.

Unlikely options:

- Migration from Sierra to SirsiDynix Symphony. This product has seen lower sales in recent years and higher numbers of existing library customers moving to other products. The failure to complete its BLUEcloud suite does not lend confidence in its capacity for future development. Enterprise has become an outdated discovery interface. The promised BLUEcloud discovery has not yet materialized.
- Migration from Sierra to Koha. Although Koha is a full-featured open source ILS that has been adopted by ever larger libraries and consortia, it would at best represent a lateral move, and in many critical areas may lack capabilities appreciated in Sierra. No libraries using Koha have implemented BiblioCore; many have paired Koha with Aspen Discovery, a patron discovery interface that offers capabilities similar to BiblioCore and Vega Discover.

It's an unfortunate reality only a small number of options are viable for public libraries and consortia serving public libraries. Even the contenders, such as Polaris, Sierra, and Koha, follow legacy architecture, even though they offer adequate functionality. No true next generation products have been developed for public libraries. On the academic front, Alma, OCLC WorldShare Management Services, and FOLIO emerged as entirely new products newly built to meet the needs of academic and research libraries, delivered through current multi-tenant, cloud-native, technical infrastructure.

There are two new-generation library management systems for public library systems that have proven to be successful in Europe that are not currently offered in North America:

- Cicero from Systematic. Developed as a new library management system for all the public and school libraries in Denmark, Cicero has since been implemented in many major public libraries elsewhere in Europe. Cicero is based on scalable modern technical infrastructure as a new-generation system for large public library systems and consortia. Systematic does not have a presence in the United States

and has not made any announcements regarding the possibility of offering Cicero beyond Europe. Additional development would be required to adapt Cicero to the US public library market. Should that change in the next few years, Cicero would be strong candidate as a recently developed library management product for public libraries.

- Quria from Axiell. Launched in 2016, Quria was designed and developed by Axiell as a library management system for public libraries that prioritizes digital services. While Quria may offer many interesting capabilities, it remains untested outside of Europe and Axiell currently has no presence in North America for its library products, though it does have a number of organizations using its museum and archive products.

It is possible that Clarivate might modernize its public library ILS products by creating a new platform that would supersede both Sierra and Polaris as the library management system supporting Vega. Such a strategy would be similar to Ex Libris creating Alma as a successor to both Aleph and Voyager. This possibility is speculative and not based on any public announcements.

While PLS should be attune to such possibilities, planning should focus on the pragmatic solutions currently available, even though they involve products which evolved from legacy technology components.

Another important area of interest involves how PLS supports the San Mateo County Community College District, its only academic member, comprised of three campus locations. The primary commitment involves resource sharing among the academic and public library members. This resource sharing currently relies on informal communications rather than automated request management and resource sharing technologies. Possibilities for addressing this need include implementation and configuration of Ex Libris resource sharing components such as Rapido or reconfiguration of Alma Fulfillment Networks Resource Sharing. Implementing an automated request and fulfillment systems will likely be complex and require additional financial investment, which may be difficult to justify unless a very high volume of requests is anticipated.

## Methodology

This project is based on a wide variety of resources and information-gathering activities.

Documents provided by PLAN include:

- Results of an ILS survey conducted by PLAN in 2021
- Results of a comparison between BiblioCommons and Vega Discover performed by PLAN in 2023
- PLS Landscape itemizing the current components in use across the PLS membership

The consultant conducted multiple on-site workshops and meetings (February 24-25, 2026):

- Two in-person workshops, one for a general audience and the other intended for a more technical discussion
- In-person meeting with PLAN staff
- In-person meeting with Stephanie Roach, College of San Mateo

Solicited responses to the Library Automation Perceptions Survey from PLS members.

Received 10 responses

Extensive research on implementation trends and product capabilities of the major ILS products and discovery services. This data is gathered and maintained by the consultant on Library Technology Guides.

Review and analysis of literature and documentation from the vendors offering library management systems, discovery services, and related products.

# Information Gathering Activities

## Library Automation Perceptions Survey

Members of the Peninsula Library System were encouraged to respond to the annual Library Automation Perceptions Survey conducted through Library Technology Guides. This survey aims to measure library satisfaction with their major library management systems and discovery services. The 2026 edition of the survey received 2,213 responses. There were 10 responses from PLS members.

The categories shown in the table include:

- How satisfied is this library with its current Integrated Library System (ILS)
- How complete is the functionality of this ILS relative to the overall needs of this library?
- How effective is this product in managing your library's print resources?
- How effective is this product in managing your library's electronic resources?
- How satisfied is the library overall with the company\* from which it acquired its current ILS?
- How satisfied is this library with this company's customer support services?
- Would the library consider working with this company again if it were to migrate to a new system in the future?
- Is this library currently considering migrating to a new automation system?

Library	ILS Sat	Function	Print	Elect	Company	Support	Loyal	Shopping?
Burlingame Public Library ( <a href="#">9706</a> )	8	9	9	8	8	6	8	no
Burlingame Public Library ( <a href="#">4616</a> )	6	5	7	6	5	6	4	yes
College of San Mateo Library ( <a href="#">3476</a> )	8	9	9	8	8	6	8	
Menlo Park Library ( <a href="#">9715</a> )	6	7	9		5	5	0	no
Peninsula Library System ( <a href="#">4616</a> )	6	7	7	3	6	8	8	no
Redwood City Public Library ( <a href="#">7043</a> )	7	9	9	8	9	9	9	no
Redwood City Public Library ( <a href="#">7043</a> )	7	8	8	6	7	7	7	no
San Bruno Public Library ( <a href="#">3716</a> )	9	9	9	9	9	7	9	no
San Mateo County Libraries ( <a href="#">13215</a> )	7		7	7	7	7	6	no
South San Francisco Public Library ( <a href="#">9725</a> )	4	4	3	4	3	3	2	yes

## Stakeholder Discussions and Workshops

The information gathering for this project included two workshops, one for a more general audience and the other for more technical discussion. Staff also submitted comments via email, which are included here.

### General Workshop

The General Workshop covered a wide range of topics and surfaced some relevant perspectives regarding the current environment and future expectations.

RFID and self-check: a high percentage of circulation transactions are performed through self-check (85% or more depending on the library). Some use Bibliotheca and others use EnvisionWare. Satisfaction was mixed between both vendors. It is not clear if a PLS-wide standardization on vendors or equipment would improve the situation.

The demise of Baker & Taylor was disruptive. Work is underway to restore processing efficiency with the new vendors, which have not yet increased their capacity to fully replace the void left by Baker & Taylor.

## *Observations about Sierra*

### General

- Sierra is able to manage large consortia with large databases, long and complex tables of rules, customizing checkout limits, granular permissions
- Ability for each library system to have its own instance of the LSP / ILS but share collections

### Patron Accounts

- Problems with duplicate records when creating new patrons. Doesn't automatically flag an existing record
- Registering patrons in the right jurisdiction is a manual process – would like to automate with address validity and duplicate checking
- Improve management of patrons with names – more than 2 middle or last names especially
- Separate home library codes from branch/shelf location codes
- There are a few bottlenecks in the patron registration process, including manual adjustments and address verification
- Online patron registration module that is compatible with Sierra and BiblioCore
  - Match and validate how addresses are stored in Sierra to limit the manual changes needed by staff
  - Dashboard to manage new online applications
  - Duplication check service, through automatic process and “fuzzy” search functions for staff (better than Sierra's search functions)
  - Optional limit of online registration eligibility to residences within California only
  - Services area validation, including unincorporated areas, to determine home library jurisdiction
  - Patrons opt-in to select their home library for hold pickups
  - Mandatory field for patrons to opt-in or -out of receiving communications from Library Foundation or Friends group
  - Reports with contact information for Foundation/Friends opt-in patrons automatically send to designated email address(es)
  - Patrons can choose their own PIN or default to last four digits of the phone number
  - Card number creation that is standard 14 digits long (not placeholder shorter barcodes)
  - Confirmation email sent with library information and links

- Standardized email sent to denied or duplicate patrons
- Email and communication templates management

### Circulation

- Check-in/check-out process is smooth
- Interest in better holds management features:
  - Prioritize holds by pickup and owning location
  - Want clustered holds prioritized by jurisdiction, not specific library locations
  - Title level holds – in many cases want WORK level holds, not MAINFESTATION level and have Sierra and BiblioCommons working together
  - Remove patrons from hold queue when they check out non-holdable copy
  - Allow holds and limit pickup locations by item type (LoT)
- Ability to manage a transit matrix between library system (floating collections)
- An integrated module for daily email circulation notifications, "Welcome" emails and other communications
- Ability to schedule and send hold pull lists automatically to each location
- Easy to manage lending rules that can be linked to either item type, patron type, and/or location code (options there would be nice)
- Less interdependency than Sierra between tables
- Ability to have controlled field item messages (in addition to open fields) that differ on check-out and check-in
- Ability to have item and patron notes separated for staff and for patrons

### Acquisitions

- Sierra does not carry over FTP credentials within a staff session
- Strong EDIFACT integration
- Acquisitions module that shows all POs (with filters by vendor, received items, etc.)
- APIs that allow outgoing information to be sent to other financial applications
- Ability to add fields for specific costs on invoices (processing, cataloging, shipping separated)

### Cataloging & Collection Management

- Module to manage redistribution based on set criteria; ability to manage those criteria as situation evolves with collections
- Strong cataloging module with easy updating (including customizable rules to batch update bib and item records)
- Z39.50 protocol options to manage connections at the library system level (for OCLC users only for example)

- Ability for OCLC connect to allow third-party vendor bib records to be updated through OCLC connect
- Ability to manage archives and digital documents in the LSP/ILS and provides catalog links to items in the repository
- Ability to restrict weeding on certain items (classics, local content, irreplaceable items)
- Module to create and print call numbers easily

### Search

- Modern advanced search options for staff, including ability to customize and save complex searches based on selected MARC fields
- Better advanced search UI
- Duplication search options for staff (new patrons), including fuzzy search
- Clear demarcation between one jurisdiction, entire catalog, and Z39.50 protocol searching

### Statistics & Reports

- Improve reports interface and functionality – still need other tools like Excel and collectionHQ to generate useful reports
- Desire for reporting analytics platform/function
- Create lists is a critical selection and reporting tool within Sierra
  - Needs better Boolean searching capabilities
  - Example: need to be able to assess holdings among libraries
  - Patron records with invalid codes
  - Need to be able to sort large review files more quickly
- Easy to use report building module with options for advanced SQL users
- Ability for each library system to set their own reports (not visible to other library systems)
- Ability to schedule reports and send them automatically via email
- Ability to create weeding reports based on various criteria (last checkout, acquisition date, etc.)

### Third-Party Integrations

- Patron account creation with OverDrive is easy but doesn't integrate or duplicate check against Sierra

### Interlibrary Loan

- Need to Improve Sierra ILL workflows with Community Colleges (Alma) and OCLC (FirstSearch)

- ILL demand through LINK+ is high but only available to 3 jurisdictions

#### *Observations about BiblioCommons*

- Good at finding items on the shelf but not good for cataloging and assigning call numbers – no display in call number order
- Don't like searching by call number – search result display is antiquated and not as functional
- Aspen has better backend options
- Manage bibliographic records in the discovery layer directly (e.g., merging various titles under one "record", such as hotspots)
- Ability to check out eBooks directly (not through "side load" if possible); most importantly for Libby
- Ability to set automated lists of highlighted items based on search criteria and manually created lists
- APIs for resources such as the NY Times Bestseller lists
- Ability to upload automatically OverDrive titles in the catalog
- Integrates with collection mapping tools, including new one from Springshare

#### Technical Workshop

##### *Security Issues*

- A previous project removed driver's license from patron records, reducing the sensitive information held within Sierra
- PLAN emphasizing security – MFA, network & VPN connections required
- Isolate library spokes on the CENIC internet connection – hosted at main data center, public & private separate VLANs, purchasing new firewall with enhanced security features
- Some cities have separate networks without much crossover with PLS network

##### *Sierra Issues*

- Use well-structured MARC data to enhance AI tools and keep libraries relevant and useful
- Changes happening in system but not aware of what those changes are and no control over implementation
- Ability to roll out features at the library system level rather than the consortium level, if needed
- Sierra has improved indexing and time to retrieve records with architecture and server improvements
- Perceptions that the system is a bit antiquated

- Steep learning curve for new staff training
- Searching in Sierra is challenging – have to have perfect spelling, no natural search capabilities
- Staff interface isn't intuitive for new/younger staff – they'll use BiblioCommons instead of the Sierra Desktop client
- PLS struggles with explaining to patrons how access to resources differs between jurisdictions
- eBook vs print circulation is probably about equivalent
- Sierra Desktop vs Sierra Web
  - Web-based clients have limitations that make desktop client preferable but less usable for outreach
- Interest in optimizing Sierra
  - What features/functions are available in Sierra and why aren't we using them?
  - Strong desire to optimize Sierra usage – what's possible, how do we learn about and train staff to use it?
- If possible, an integrated module for online subscriptions
- Web hosted; no local servers and VPNs

#### *BiblioCommons Issues*

- Hard to integrate locally hosted cover art, especially for world language titles into BiblioCommons and Sierra
- AI summaries of comments on BiblioCommons – are there limitations with AI development based on Sierra architecture
- Syndetics has less cover art, especially for audiobooks and new titles
- Vega vs BiblioCommons – one didn't seem to be significantly better or worse
- Indexing and syncing delays on BiblioCommons – would that be more seamless with Vega?
- Is BiblioCommons limited in functionality because of technical limitations with integrations?
- BiblioCommons hiding more useful data in MARC records – patrons not noticing but could be useful in reference interaction

#### *OverDrive Issues*

- Concerns with OverDrive platform fees increasing, purchasing other companies and becoming single-source for library eResources – books, audiobooks, magazines, movies & TV

### *Integration Issues*

- Need better integration between city websites and catalog
- Integration with Envisionware and Lyngsoe systems, as well as other third-party systems
- SIP2 or other connection) allowing Libby, Hoopla, Palace Project accounts to be updated for patrons that replace their library card without having to manage accounts on each platform

# Overview of the Major Vendors and Products

## Clarivate: Company Background and Status

Clarivate, one of the largest companies in the library industry, operates in three major business sectors: Academia and Government; Life Sciences and Healthcare; and Intellectual property. The company trades on the New York Stock Exchange as CLVT. Though Clarivate has a very strong record in the development and support of its products, it has struggled with its stock valuations.

### Leadership

Matti Shem Tov heads the entire company, appointed as Chief Executive Officer in August 2024. He led Ex Libris from 2003 through August 2017. When ProQuest acquired Ex Libris in 2017, Shem Tov was appointed its CEO. Bar Veinstein has led the Academia and Government business unit since May 2023 and was President of Ex Libris from May 2017 through January 2021.

Yoel Goldenberg (Senior Vice President, Product Management, Software) and leads the part of Clarivate responsible for its library technology products, including Alma, Primo, Sierra, Polaris, Vega and many others. Goldenberg was appointed in 2026, taking the role previously held by Yariv Kursh, who has shifted within Clarivate to lead the sales efforts of Academia and Government.

## Sierra from Clarivate (Incumbent Product)

### History and Background

Sierra continues as one of the strategic ILS products offered by Clarivate. This product has a long and interesting history. The relevant business history relates to Innovative Interfaces, Inc. founded in Berkeley, CA. by Jerry Kline and Steve Silberstein. The initial product provided interoperability between OCLC cataloging and CLSI, an early library automation system. Over time Innovative Interfaces developed several generations of library management systems:

- 1982: INNOVACQ, an early serials management system was launched in 1982.
- 1986: INNOPAC, a fully integrated library system introduced and used primarily by academic libraries. The system ran on minicomputers with display terminals for staff and patron access.

- 1998 Millennium, originally branded as INNOPAC Millennium. Introduced Java-based clients instead of a character interface. Java clients were created for each functional area.
- 2011: Sierra made several technology uplifts, including a new more unified Java interface, and a services layer to enable API access to data and functionality.

## A Sophisticated and Mature ILS for Public Libraries

With four decades of evolution and development Sierra is a mature ILS with advanced functionality in all areas of library operations, especially for print and digital books. Sierra is especially well known for its advanced cataloging and authority control capabilities.

Sierra was not designed to manage and provide access to large-scale collections of electronic resources. It has no internal knowledgebase of packages and portfolios of electronic resources or an article-level discovery index. Academic libraries require this capability, and many have moved away from Sierra to Alma and other library services platforms.

The operations of public libraries center much more on print and eBooks and do not manage large-scale collections of electronic resources and are well served by ILS products such as Sierra.

## Reference Implementations

Other libraries using Sierra with similar characteristics as Peninsula Library System include:

- [MARINet](#). A multitype consortium with 20 branches serving Marin County Free Library and the public libraries of neighboring cities as well as the Dominican University of California. The consortium implemented Millennium in 2000 and upgraded to Sierra in 2011.
- [eiNetwork](#) serving 43 libraries in the Pittsburgh PA municipal area. Implemented Millennium and migrated to Sierra in 2013. The consortium implemented BiblioCore in 2022.
- [Sacramento Valley Library Network](#). 39 facilities serving the Sacramento Public Library and neighboring cities. The consortium implemented Millennium in 1999, upgraded to Sierra in 2011 and implemented Aspen Discovery in 2025.

## Installations of Sierra

Sierra continues as one of the most widely ILS products globally, used by 1,519 libraries with over 3,300 branches. These implementations fall within 585 organizations contracting

for Sierra, such as consortia and other systems that acquire the system on behalf of multiple libraries.

The number of installations for Sierra has diminished in recent years. Many of the academic libraries using Sierra have migrated to Alma and other library services platforms.

The following table indicates that new sales and total installations have been decreasing since 2021. The statistics in this table were reported by Innovative (now Clarivate) for the annual Library Systems Report.

Sales and Installation Statistics for Sierra						
Product Name	CompanyName	Product Type	Year	Contracts	Libraries	Installed
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2025	26		585
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2024	41		980
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2023	12		1092
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2022	6		1129
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2021	130		1233
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2019	16		
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2019	47		806
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2017	31	61	931
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2016	82	194	665
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2015	90	93	582
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2014	123	249	495
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2013	113	678	336
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2012	117	303	106
Sierra	Innovative Interfaces, Inc.	Integrated Library System	2011	206	700	0

This resource, based on library data in Library Technology Guides, shows a larger number of libraries migrating away from Sierra than new installations since 2019. Most of these defections from Sierra were academic libraries moving to Alma and other LSPs.

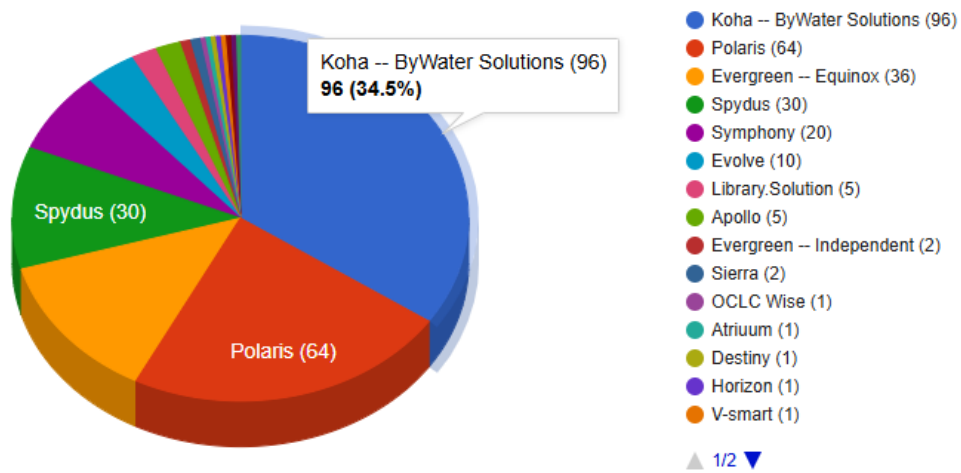
There is also a pattern of public libraries moving from Sierra to Polaris. This is not an overwhelming trend, but it does show some movement. Among public libraries, there have been some migrations from Sierra to Polaris in the last three years:

- Aurora (CO) Public Library (2025)
- Pasadena Public Library (2025)
- Outagamie Waupaca Library System (2025)
- West Des Moines Public Library (2025)

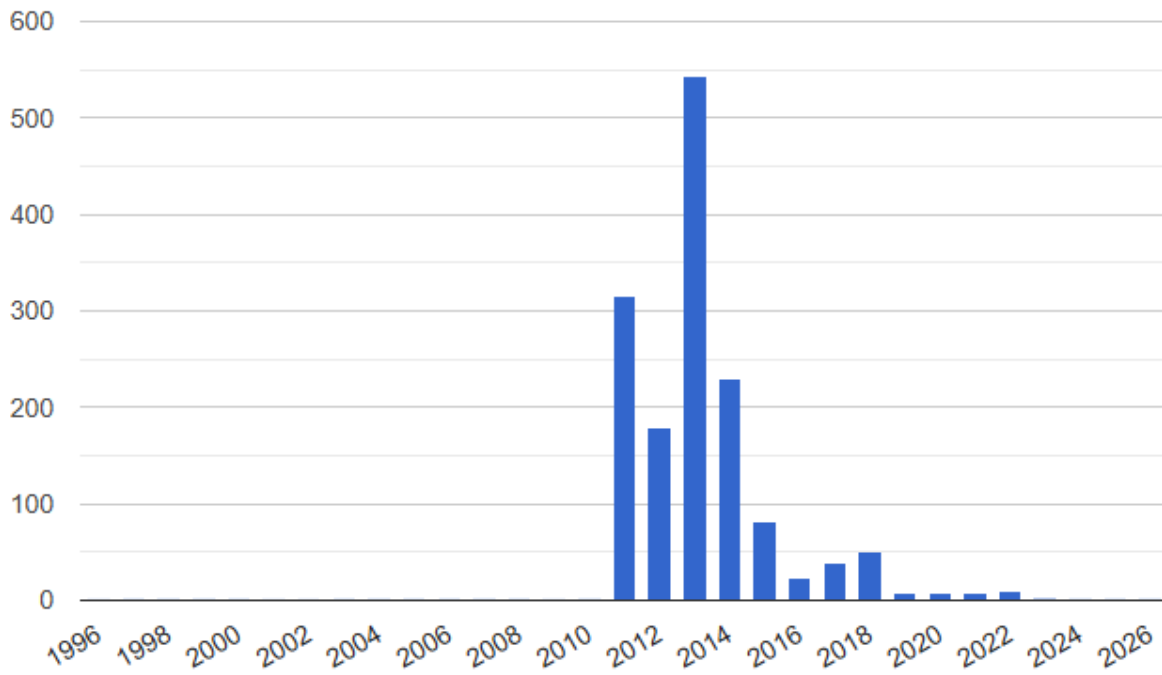
- El Segundo (CA) Public Library (2023)
- Portland (Maine) Public Library (2023)
- Evansville - Vanderburgh County Public Library (2023)

The following chart shows the migration patterns of libraries moving away from Sierra. The largest portion (34%) moved to Koha with support from ByWater Solutions. Polaris was the second most popular migration path, representing 23 percent.

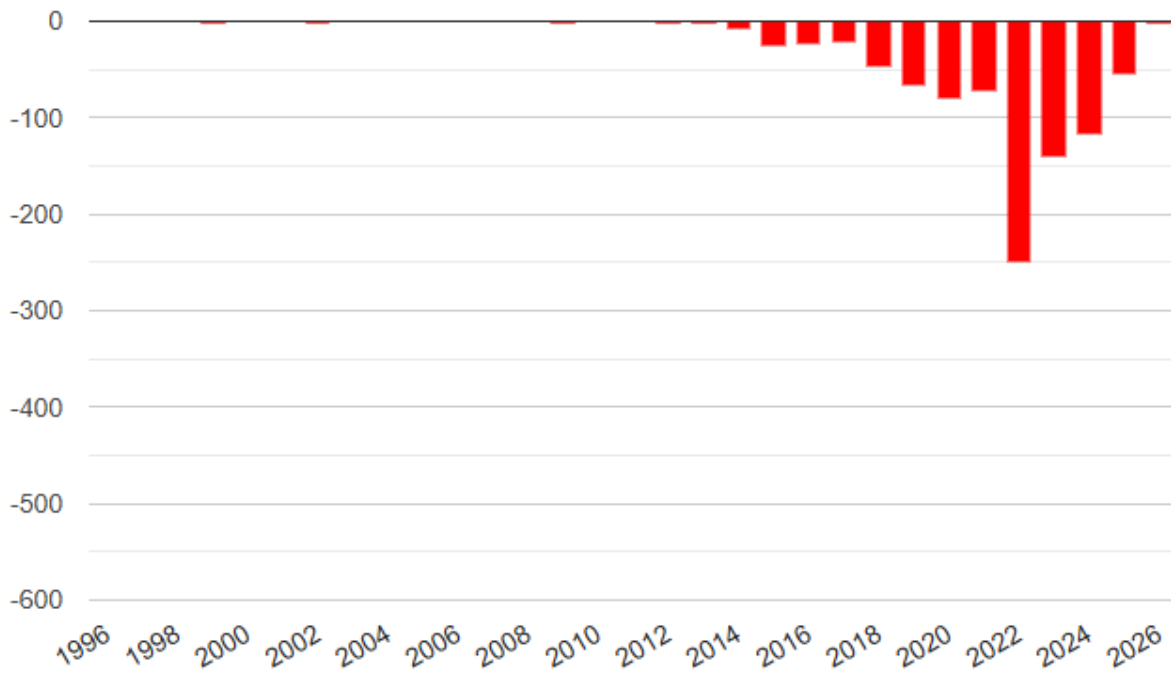
**New systems selected by the 278 Public libraries migrating away from Sierra (counting number of institutions)**



**Sierra Selections by Year**



**Sierra De-selections by Year**

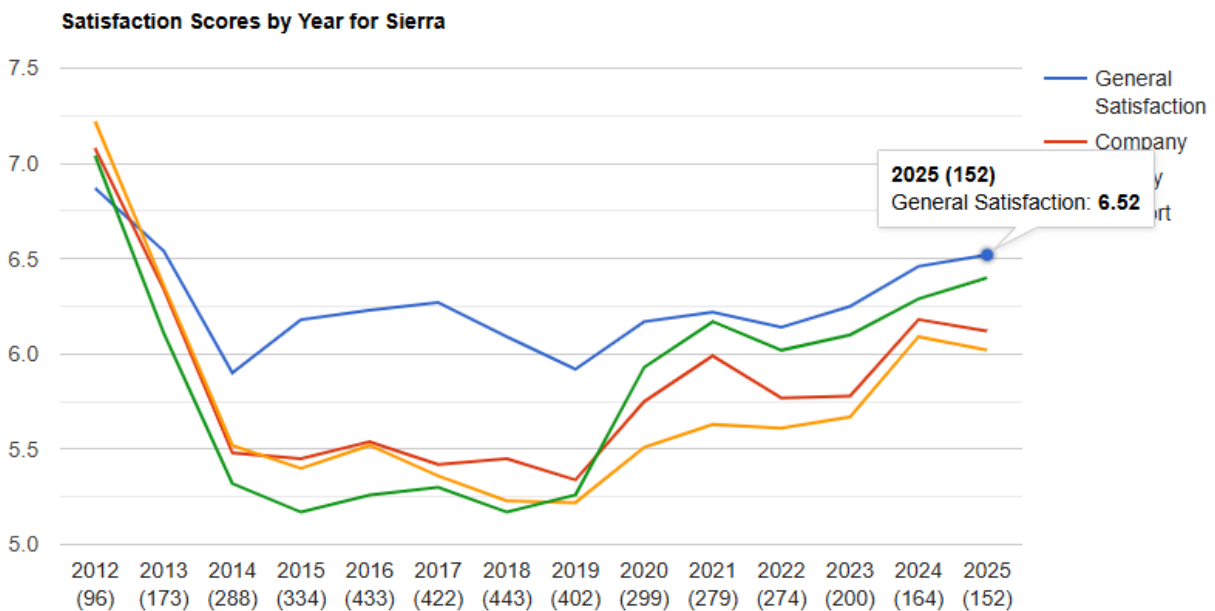


These trends show that it is inevitable that the number of libraries using Sierra will decline over time. That does not mean that there will be a point in the foreseeable future that Clarivate will retreat from the product. The Library Corporation, for example, continues its commitment to Carl.X, which has only 17 remaining installations. Even when a product is not generating new sales, it can be strategically important to a vendor.

Even with Clarivate’s enduring commitment to support Sierra, there may come a time when it is advantageous to consider alternatives. Although support persists, the pace of new development can be expected to be modest. Over a long period of time, other ILS products for public libraries may gain an advantage over Sierra. Within Clarivate, we can anticipate more aggressive development for Polaris its strategic product for public libraries marketed for new sales.

### Satisfaction Scores from Perceptions Survey

In the latest Library Automation Perceptions Survey 23% (35 out of 152) signaled interest in switching to another ILS.



### Comments from Perception Survey:

Since Innovative was acquired by Clarivate, I believe the development process/enhancement process has improved significantly. I appreciate their efforts to keep moving forward and incorporating client feedback and involving clients in their

decision-making process. This is especially true of their Vega platform, which has improved significantly over the course of the last two years.

### Sierra: High Level of Acceptance by Peninsula Library System

PLS members and PLAN seem to be generally satisfied with Sierra and are not considering changing systems, at least not soon. The Sierra ILS delivers full functionality across all modules to address the operational needs of PLS members. Some issues were reported in the areas of holds processing and avoiding duplication of patron records.

Many stakeholders reported a general concern that the staff interfaces of the Sierra Desktop client seem antiquated and non-intuitive. Long-time staff members have become experts at operating Sierra efficiently using these interfaces. Others noted that newer staff members find the interfaces to be complex and difficult to navigate.

Overall, Clarivate has been responsive to reported problems and there are very few outstanding issues.

Innovative announced Sierra Web in 2016 as a new set of web-based interfaces that would eventually displace the Desktop client. This development initiative remains at least partially unfulfilled. The full capabilities found in the Desktop client have been fully deployed in the Sierra Web interface, and in some cases they with less efficiency.

Making the transition from a desktop client to a web client has proven to be quite a challenge in the broader ILS arena:

- Sierra: Web clients offer most features, but have not been widely adopted
- SirsiDynix: BLUEcloud interfaces for all the functional areas of Symphony and Horizon were announced in 2013. To date the BLUEcloud modules lack essential functionality, and few libraries have transitioned entirely from Java-based WorkFlows clients.
- Polaris: A web-based interface for Polaris, named LEAP, was announced in 2013. LEAP was incrementally deployed and is now the default interface for all staff functions.
- Spydus: This ILS was originally deployed with Windows-based desktop clients. Spydus 10, released in about 2015, offered web-based clients for most features, and eventually reached parity with the Windows clients. Spydus 11, released in 2021, has become a fully web-native application deployed through SaaS via Microsoft Azure.

### *Recommendation to renew for another term*

There are no indicators that PLS should not proceed with its next renewal term. The product works as design and continues to perform well for PLS members. Moving to another system at this point would represent a lateral move. Any of the other ILS products currently available may have better functionality in some areas but would also lack some capabilities appreciated in Sierra. The costs and disruption of changing systems would not be justified.

### *Longer term: consider alternatives*

In the more distant future, there may be changes in the competitive landscape that would warrant a new look at alternatives.

Clarivate has committed to supporting Sierra for as long as libraries continue to rely on it. Offering indefinite support for Sierra makes sense for Clarivate. The product is mature, has very sophisticated functionality, and operates within a technically stable environment. The costs for ongoing development and support are low, and the product continues to generate substantial revenue. Clarivate does respond to enhancement requests for Sierra.

While PLS is generally satisfied with the functionality delivered by Sierra, it recognizes limitations in its underlying technology components and its style of user interfaces. These technology limitations currently hamper optimal use of Sierra only to a limited extent. Over time, these limitations will become more critical.

### *Sierra will not be redeveloped into a fully modern architecture and interfaces*

It does not seem likely, or even feasible, that Clarivate would fully modernize its internal architecture. No realistic pathway exists to transform Sierra from its current server architecture into a multi-tenant platform based on current technologies. Sierra's general functional organization and database structures seem likely to remain. The system has been developed through an incremental or evolutionary approach since its initial versions. A major redevelopment of the entire back end of Sierra would be an extremely expensive and lengthy process for Clarivate and would disrupt much of the stability that libraries have come to expect and appreciate from the product.

### *Polaris will incrementally strengthen as the Clarivate strategic product for public libraries*

Within the next 5-7 years, given the lack of development momentum on Sierra and a more active development agenda for Polaris, there would be advantages in migrating from Sierra to Polaris, if PLS continues to be interested in staying within the Innovative/Clarivate product line.

### *New generation public library platform from Clarivate?*

It is possible that Clarivate would modernize its public library ILS products by creating a new platform that would supersede both Sierra and Polaris. This possibility is speculative and not based on any public announcements.

## **Polaris from Clarivate**

Polaris was developed specifically for public libraries and for consortia comprised of public libraries.

The Polaris ILS was originally developed by Gaylord Information Systems in the mid-1990s as a Windows-based product. Gaylord was already well-established in the US public library market with its Galaxy product. Polaris subsequently became one of the most successful ILS products among public libraries in North America. Innovative acquired Polaris in May 2014. ProQuest acquired Innovative in 2019 and became part of Clarivate in 2021.

### Business Chronology:

- Innovative Interfaces acquired Polaris Library Systems in 2014
- Innovative Interfaces was acquired ProQuest in 2019
- ProQuest acquired Ex Libris in 2015
- ProQuest was acquired by Clarivate in late 2021
- Ex Libris and Innovative were gradually integrated into a single software group, spanning all library products: Alma, Primo, Polaris, Sierra, Encore, etc.
- Under ProQuest, and continuing through Clarivate, Polaris has been positioned as the company's strategic library system for public libraries

### Some of its technical characteristics include:

- Windows Server
- Windows SQL Server
- Staff clients were originally deployed for the Windows desktop operating systems
- Polaris began the development of its web-based Leap clients in 2013 and has completed the transition from the Windows-based clients

### *Reference Implementations*

Polaris has been implemented in 57 library consortia, almost all comprised of public libraries. Selected examples of other public library consortia with similar characteristics to Peninsula Library System include:

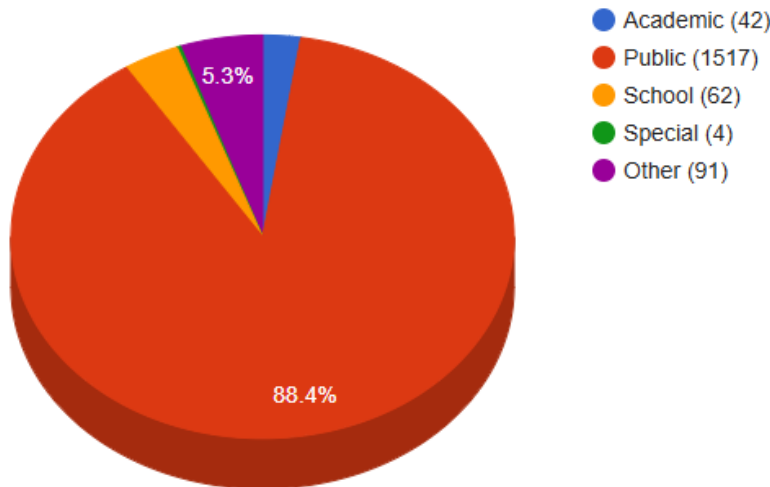
- [STELLA - Sharing & Technology Enhancing Local Library Access](#) (New Jersey). 51 facilities serving 43 municipal libraries and the Middlesex County College libraries. The consortium migrated from Symphony to Polaris in 2023.
- [Valley Library Consortium](#) (Michigan). 59 facilities serving 25 municipal libraries as well as Northwood University and Mid-Michigan Community College. The consortium migrated from Horizon to Polaris in 2025. The consortium also migrated from BiblioCore to Vega Discovery upon implementing Polaris.
- The [Sonoma County Library System](#). 24 facilities, also serving Lake and Mendocino counties, migrated to Polaris in 2025, opting to remain with their BiblioCore discovery interface implemented in 2024. The system is also shared by the high school library in Lake County.

*Installations*

Polaris is used in 1,716 libraries spanning 4,415 branches.

The vast majority of Polaris installations are for public libraries. Some multi-type consortia using Polaris include academic, school, and special libraries.

**Distribution of 1716 Polaris implementations by Type**



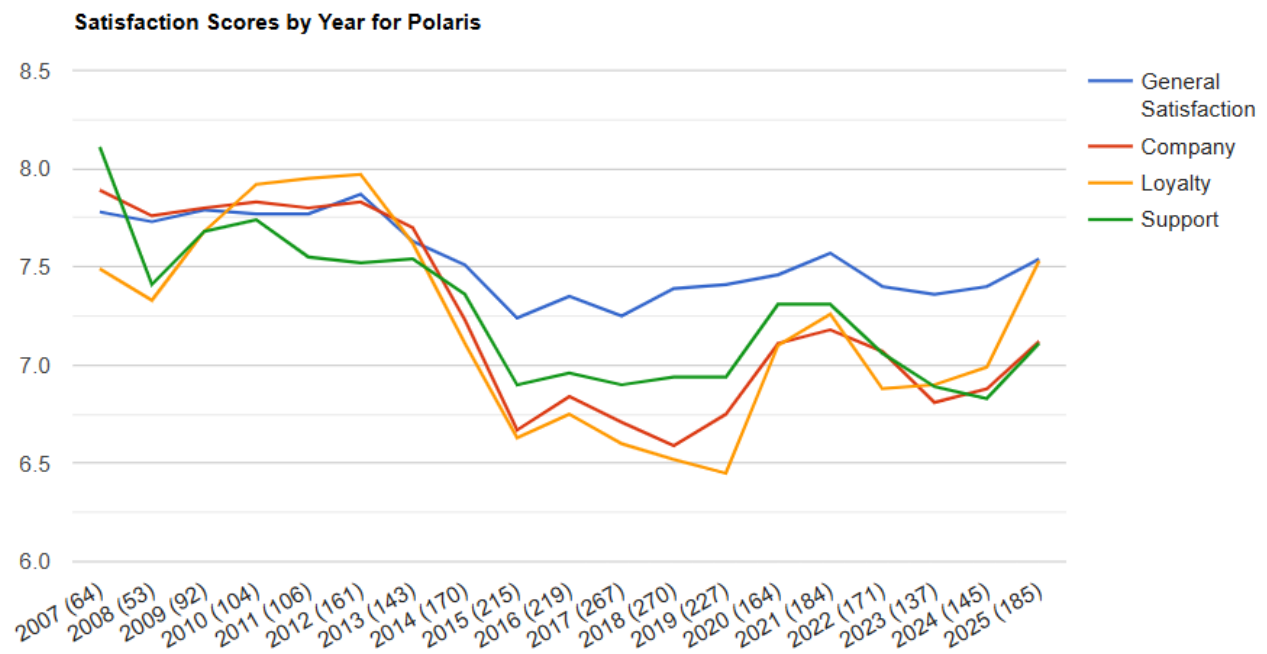
See: <https://librarytechnology.org/products/type.pl?Product=Polaris> and <https://librarytechnology.org/libraries/search.pl?ILS=Polaris&HQ=on&CollectionSizeVeryLarge=on>

*Recent selections*

- Seattle Public Library (2026)
- Wake County (NC) Public Library
- Outagamie Waupaca Library System (2025)
- Roanoke Valley Libraries

- Pikes Peak Library District
- Valley Library Consortium
- Sonoma County Library System
- District of Columbia Public Library
- Polaris Installations outside North America
- Central Coast Council Libraries (Australia)
- Newcastle City Libraries (Australia)
- Shellharbour City Library (Australia)
- Clutha District Libraries (New Zealand)

### Satisfaction Scores for Polaris



## Symphony and BLUEcloud from SirsiDynix

### Introduction

SirsiDynix, founded in 1979, offers two major ILS products, Symphony and Horizon. Both products support the BLUEcloud suite of applications that provide more modern web-based interfaces for staff functionality and Enterprise as a discovery interface for patrons. Symphony continues to be actively developed and marketed. The company supports Horizon for existing customers, but does not offer it for new sales, other than add-ons to existing implementations.

### Indicators

- Longstanding and stable company

- Owned by a CSI affiliated holding company with financial discipline and lean development resources
- Reduced workforce, departures of strategic leadership
- Symphony server based on a legacy technical architecture
- WorkFlows, used by most customer libraries, is based on a Java Swing client installed on all workstations for staff and at service points
- Many consortia use Symphony successfully
- BLUEcloud suite offers a fully web-based interface, but lacks many features that impede its widespread deployment
- Symphony is losing market presence: more libraries are leaving it than migrating to it
- Satisfaction trends improved from 2009 – 2020 but have declined somewhat in 2021-2025
- Bottom line: not a consideration for PLS since it would be a lateral move at best, and possibly a step down from current capabilities offered by Sierra

### *Company Status*

SirsiDynix has a long history of mergers, acquisitions, and ownership changes. It was previously owned by Vista Equity Partners (2006-2014), ICV Partners (2014-2025). Harris Computers, one of the five operating companies of Constellation Software, Inc. purchased SirsiDynix in December 2024. CSI follows a buy-and-hold strategy where it never divests companies it acquires. While SirsiDynix was the only technology company owned by ICV, Harris works exclusively with technology companies, diversified across several business sectors.

Private equity ownership can often lead to constrained resources for product development. This playbook seems to have had an impact on SirsiDynix, which has been slow to complete some of its development initiatives. It is not yet evident whether the new ownership by Harris Computing has improved the company's resources for support and development.

### *Business transition to Harris Computers*

The transition to Harris Computing was positioned as a move that would strengthen the company as it broke free of private equity ownership, generally characterized by relatively short ownership cycles with an emphasis on higher profits at the expense of investments in product development. It is not yet apparent whether ownership by Harris will accelerate development or improve support performance.

Leading up to and following the acquisition by Harris, SirsiDynix saw changes in executive leadership and personnel.

Although not disclosed publicly, there are indications that there was about a 20% reduction in force. Sources include anonymous comments posted on Glassdoor, a site that includes reviews of companies by current and former employers as well as customer comments given in the latest Library Automation Perceptions Survey.

Bill Davison, CEO of SirsiDynix, stepped out of that role with the acquisition by Harris. For a few months Davison served as an advisor to Harris, though more recently there are no indications that he is involved with either SirsiDynix or Harris Computer. Berit Nelson, Chief Financial Officer, retired from SirsiDynix just before the Harris acquisition.

Jean Soucy is the CEO of Harris and is responsible for the high-level management of SirsiDynix. Mike Nehren, former Chief Financial Officer of SirsiDynix, now leads the operations of the company as its Executive Vice President. Eric Keith has been a senior executive for SirsiDynix and its primary spokesperson. He remains with the company through his title has changed from Chief Marketing Officer to Senior Vice President. Harris portfolio companies do not have their own CEO, or other C-level positions. These reside only within Harris.

The following comments were given in the 2025 International Survey of Library Automation that mention the latest ownership transition:

- We have been unhappy with SirsiDynix since their acquisition by Harris Computer. Thanks to their layoffs, staff are much slower to respond to cases and we lost virtually everyone who was associated with our account and had to be assigned new people who are harder to reach as our timezones are way off. I never thought I would say that any company ran better when they were managed by a private equity firm, but here we are. I suppose there is a first time for everything.
- There has been an exodus of staff since the recent merger with Harris Technologies. Development is slow, and while we have been assured that there is a new focus on developing their cloud offerings, these assurances have been happening since 2019 and much vaunted updates are often missing basic features available in the client version, which itself looks like it was designed in the late 90s. Support are incredibly helpful and knowledgeable, but security upgrades, such as moving from SIP2 to web services come with steep additional charges on top of a Platinum Premier subscription, and it's not unusual to be told consulting credits cannot be used for the work that we are requesting, with little transparency around what these credits can and can't be used for when requesting consulting services.

- Since the Harris acquisition we have seen our long time account manager removed, our price hiked considerably, an antagonistic relationship from our new account manager and overall a lack of care for customers coming from a company that I once touted as the best customer experience I've seen. What used to be personal and knowledgeable has now become a 'one size fits all' model that is all about Sirsi's bottom line and earning as much as possible. For years we have been loyal customers and have held off as all others around us moved away. We used to tell people that 'SirsiDynix Symphony' was our most cost-effective employee because of how robust it was. The product hasn't changed, the people behind it have, and not for the better.
- The recent acquisition of SirsiDynix by Harris has caused serious difficulties with quotations and invoicing. They are unorganized and inflexible in their terms and conditions. Communication is poor.
- Evaluating the company's new ownership for the next year or so to see if they can get everything back on track. Has been a very quiet and non-productive, from the customers POV, 8 months.
- We are hoping that the new parent company will have the resources to help SirsiDynix move faster on creating the products they have promised and have been working towards for over 15 years.

### *Symphony*

Symphony is the flagship integrated library system offered by SirsiDynix. It offers rich functionality, addressing all major areas of library operations, including Circulation, Reserves, Booking, Cataloging, Acquisitions, Serials Management, and Reporting. The product was originally launched in 1982, branded as Unicorn. It operated on the Unix operating system. Unicorn was rebranded as Symphony in 2007, though positioned as a new product incorporating features of its other ILS products.

Libraries can deploy Symphony on premises or through hosting services from SirsiDynix. Although the specific numbers are not publicly available, most installations of Symphony are hosted by SirsiDynix.

WorkFlows was introduced in 1998 as the client used by library staff members to perform their work. It was originally created as a graphical client for Microsoft Windows and was redeveloped as a Java client in about 2003. The interface style embodied in WorkFlows is generally considered dated, though it offers very sophisticated and detailed features.

The WorkFlows client must be installed on each staff computer and service desk. Installing and maintaining the WorkFlows clients involves considerable effort for technical staff responsible for desktop support.

The latest Perceptions Survey included comments about WorkFlows:

- The WorkFlows system is antiquated and needs to be updated to a more user-friendly system
- WorkFlows is built on older, inflexible infrastructure. Design is not intuitive, and overall administration is difficult even from a central location. For intermittent local administrators, use is even more challenging.

### *Enterprise*

Enterprise was introduced as a web-based interface for patron access in about 2005. It offered a more modern interface than WebCat, the original catalog offered with Unicorn. Although Enterprise has evolved substantially across the last two decades, it retains the look and style of older interfaces.

Enterprise integrates with both Symphony and Horizon through a web services layer available for either ILS. The product includes keyword indexing technology that enables more flexible searching than the native search options in the ILS and is able to provide access to additional resources. Features include faceted browsing and filters, customizable presentation of resources, display of cover art, and other content enrichments

### *BLUEcloud Suite*

SirsiDynix announced its BLUEcloud Suite in 2013 as an ambitious project to provide modernized web-based interfaces for all the staff modules of Symphony and Horizon as well as patron access through BLUEcloud Discovery.

“SirsiDynix, the world's leading provider of library automation solutions, unveiled the upcoming BLUEcloud Suite library services platform during the COSUGI 2013 user conference. BLUEcloud Suite comprises a set of cloud-based administration, discovery, acquisition, and collection management applications that augment libraries' current Horizon and Symphony systems. The first BLUEcloud Suite applications will be released in summer 2013. Many of the applications will be included as part of the normal Horizon and Symphony maintenance; every application will be available for desktops, laptops, and mobile devices.”

See: <https://librarytechnology.org/document/17776/sirsidynix-announces-bluecloud-suite-at-cosugi-2013>

Components of the BLUEcloud suite include:

- BLUEcloud Acquisitions
- BLUEcloud Analytics

- BLUEcloud Cataloging
- BLUEcloud Central
- BLUEcloud Circulation
- BLUEcloud Course Lists
- BLUEcloud eRM
- BLUEcloud Mobile2
- BLUEcloud Visibility+

Modules that replicate functionality in WorkFlows or Horizon are available without additional cost beyond the standard ILS maintenance charges. Those providing functionality not directly addressed in the ILS involve an additional subscription fee.

Initial versions of many of the BLUEcloud modules were released in the subsequent years, though they saw limited adoption since they did not offer comprehensive functionality relative to the capabilities of WorkFlows.

In 2024 SirsiDynix announced the BLUEcloud Accelerate initiative that represented new financial investments and development resources dedicated to rapidly completing the modules. This initiative was made while SirsiDynix was under the ownership of ICV Partners. Once sold to Harris, the company stated that the initiative would continue. Subsequently, there have not been company announcements or customer comments reflecting rapid progress. The vision of BLUEcloud seems to have been well received by the SirsiDynix community; the slow pace of delivery of these modules has been a major complaint.

SirsiDynix has announced BLUEcloud Discovery as the successor to Enterprise. This product remains in development and is not known to be implemented in any library.

Building BLUEcloud Discovery, <https://cs.sirsidynix.com/wp-content/uploads/2023/11/C2023-Presentation-AdamViator.pdf>

### *Development Capacity*

An important question for SirsiDynix regards its ability to complete its product development roadmaps. SirsiDynix reported its personnel statistics for the Library Systems Report through 2023. Beginning in 2024 the company stopped reporting these statistics due to policies set by their new owner, Harris. The number of personnel involved in development reported in 2023 was 128. Even if those numbers have subsequently decline somewhat, the company has a very strong workforce devoted to product development.

Harris guides its companies to follow a set of “best practices” designed to ensure efficient and high-quality software development.

Vendor personnel statistics for SirsiDynix (2002-2023)

Company	Year	Devopment	Support	Sales	Admin	Other	Total
SirsiDynix	2023	128	144	49	34	9	364
SirsiDynix	2022	124	144	46	33	16	363
SirsiDynix	2021	124	148	48	32	20	372
SirsiDynix	2020	127	150	50	34	26	387
SirsiDynix	2019	127	150	50	34	26	387
SirsiDynix	2018	129	152	51	34	25	391
SirsiDynix	2017	133	160	56	19	30	398
SirsiDynix	2016	138	170	54	17	31	410
SirsiDynix	2015	139	171	55	18	33	416
SirsiDynix	2014	142	172	50	19	39	421
SirsiDynix	2013	102	170	53	20	40	385
SirsiDynix	2012	86	168	52	22	41	369
SirsiDynix	2011	84	166	51	23		380
SirsiDynix	2010	60	240	60	25		385
SirsiDynix	2009						400
SirsiDynix	2008						450
SirsiDynix	2007	104	290	68	29		491
SirsiDynix	2006	142	377	72	38		629
SirsiDynix	2005	153	391	77	55	3	679
SirsiDynix	2004	103	217	49	21	4	394
SirsiDynix	2003	113	218	64	43	7	445
SirsiDynix	2002	88	208	46	55	9	406

Symphony and Horizon can be considered mature products that require minimal ongoing development. The company continues to respond to enhancement requests, perform needed security and component upgrades, though it seems unlikely that major updates in functionality or technology infrastructure will be addressed. Since Symphony is the company’s strategic product, we can anticipate that it will continue to be updated and enhanced to support the large number of libraries that currently use the product and to attract sales of new clients.

We can expect that SirsiDynix will focus on the development of BLUEcloud applications since this effort benefits both Symphony and Horizon customers.

The BLUEcloud suite was announced in 2013 and has not yet been fully completed. Most libraries using Symphony still use Java-based WorkFlows clients or SymphonyWeb, which offers the same interface design through a web browser. Despite 12 years of development, the BLUEcloud applications have not been fully completed, and most Symphony libraries continue to rely on the WorkFlows.

#### Comments from Library Automation Perceptions Survey about BLUEcloud

- Over the past 2 years our member libraries have reported increased dissatisfaction with the current ILS. The web-based BLUEcloud suite is still not ready for widespread adoption across our member libraries, and Enterprise development has been stagnant. Beyond that we have concerns about the recent acquisition of SirsiDynix by Harris Computing and the loss of long standing employees across all levels of the company (senior executives, product managers, and key support and development staff.) (Library type: ; collection size: very large; ils satisfaction: 2[34898])
- We would like to transition from using the client application version of our ILS to the web-based/cloud version for our circulation team's work. Until now, we have been unable to make this change due to certain functionality limitations. However, we believe the system has advanced to a point where this transition may now be feasible, and we currently have staff testing the web version within the circulation team. Our cataloguing team, however, remains in a position where the current cloud-based offerings do not yet support the full scope of their work. As a result, a portion of our staff are not yet able to explore this transition. If testing proceeds successfully, our next challenge will be to educate and train circulation staff to become comfortable with the web-based interface. We are optimistic that this transition will help address several ongoing issues, such as session timeouts, manual application updates, and system speed/performance. (Library type: ; collection size: medium; ils satisfaction: 6[54384])
- Faster development of new library app, staff web-based interface and web-based discovery platform. Some of these products have been released but are lacking the full functionality of the products they seek to replace. (Library type: ; collection size: medium; ils satisfaction: 6[34570])
- Anxiously awaiting further development of BLUEcloud services/interfaces/products. (Library type: ; collection size: large; ils satisfaction: 7[4538])
- Symphony is quickly becoming an archaic library management system and SirsiDynix' roadmap for enhancements via BLUEcloud products is too slow and unreliable. User experience across the products is lagging behind other major

contenders in this space. There are basic functionalities that library users expect that are either not available or immature compared to other systems. (Library type: ; collection size: medium; ils satisfaction: 2[8631])

### *Consortial Implementations*

Symphony can be considered one of the better ILS products for support of library consortia. It can be configured as a shared system among many independent libraries, with each library having multiple branches. Each library and facility can be configured to have its own lending policies. Some consortia have used Symphony for multiple decades. In recent years, only a few consortia have selected Symphony.

Many library consortia have implemented SirsiDynix Symphony, many of which have been in place for multiple decades. Only a small number of consortia have selected Symphony in the last few years, including the South Central Library System in Wisconsin (60 members) that selected Symphony in 2025 to replace Bibliovation.

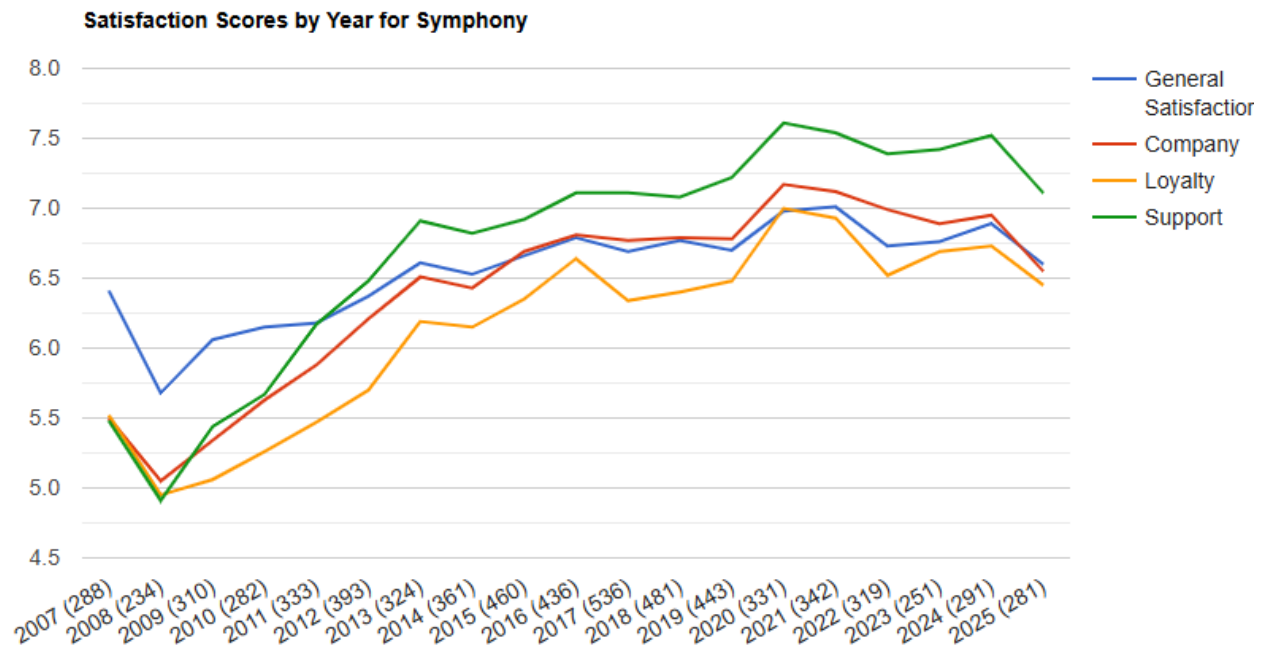
Symphony is currently used in 64 consortia. Some of the larger ones include the Delaware Library Catalog (65 participants), Kōtui Library Services (42 library districts), Joint Automation Server Initiative (Ontario, Canada), Ontario Library Consortium, SC Lends (South Carolina); SEO Library Consortium (Ohio), South Australian Public Library Network, System Wide Automated Network (Illinois), Tasmanian Automated Library and Information System, The Libraries Consortium (25 library services in England).

Consortia that have moved away from Symphony include the Rambo Catskill Library System and the Yavapai Library Network that both moved to Koha with support from ByWater Solutions in 2023; The STELLA consortium in New Jersey that moved to Polaris in 2023.

### *Library Satisfaction with Symphony*

The satisfaction scores from the annual Library Automation Perceptions Survey reflect interesting trends. In 2007 the levels of satisfaction were at a very low point, reflecting concerns with the business strategies implemented by Vista Equity Partners, announcing the discontinuation of Horizon and the new Corinthian product under development. Once these decisions were walked back and SirsiDynix management asserted continued support and development for both Horizon and Symphony, the scores improved steadily until about 2020. Since that time satisfaction dipped a bit. A larger drop in satisfaction transpired in 2025, coinciding with the acquisition of SirsiDynix by Harris.

Despite the recent decline, the satisfaction scores are well with the range of high satisfaction.



### Wins and Losses

SirsiDynix Symphony is one of the most implemented integrated library systems in the world. The number of implementations has declined in recent years, with more libraries moving to other systems than new libraries selecting Symphony.

There has been a steady decrease in the number of libraries using Symphony. In recent years, more libraries have moved away from Symphony than have selected it. The number of installations of Symphony peaked in 2016 and has steadily declined. (These numbers were reported by SirsiDynix for the Library Systems Report.) While SirsiDynix ranks as one of the most used ILS products, the declining number of installations raises concern.

21% (59 out of 281) of libraries responding to the latest Perceptions Survey using Symphony indicate interest in changing systems.

The installed base of Symphony, once more evenly split among academic and public libraries, has steadily drifted toward publics. The prevailing trend for academic libraries has been movement away from traditional ILS products optimized for print toward library services platforms designed to manage electronic resources in addition to other formats.

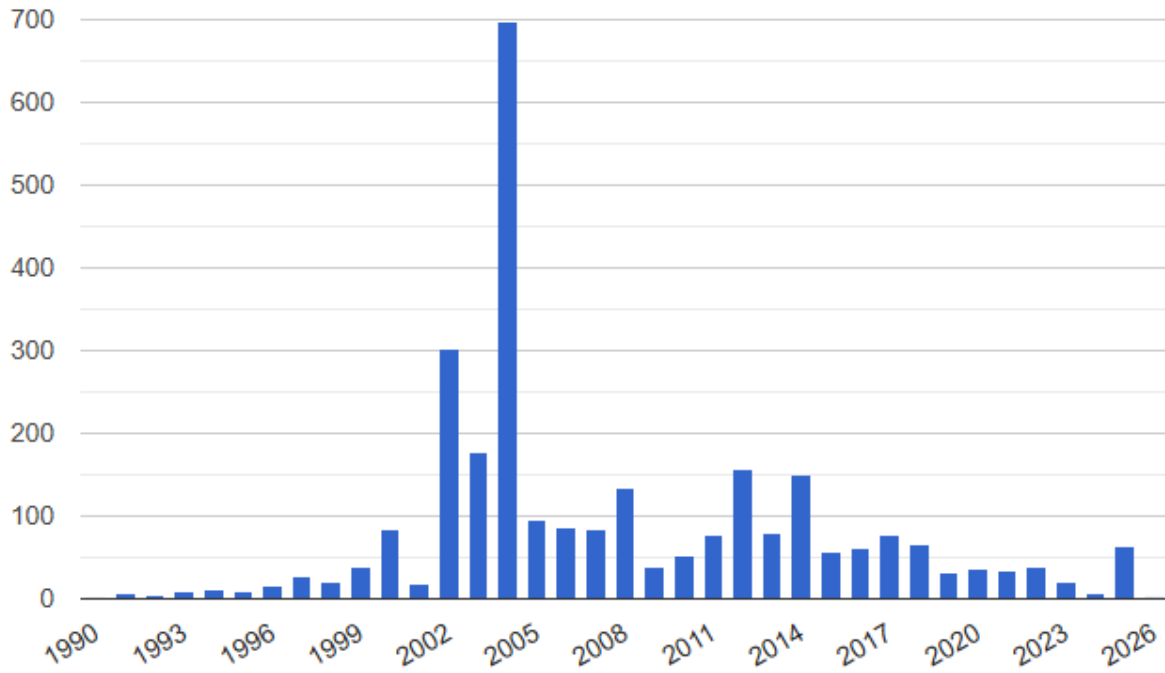
SirsiDynix has seen declining sales of Symphony to new clients in recent years. The following graph shows that since about 2014 more libraries have migrated away from Symphony than have implemented it.

*SirsiDynix Symphony for PLS?*

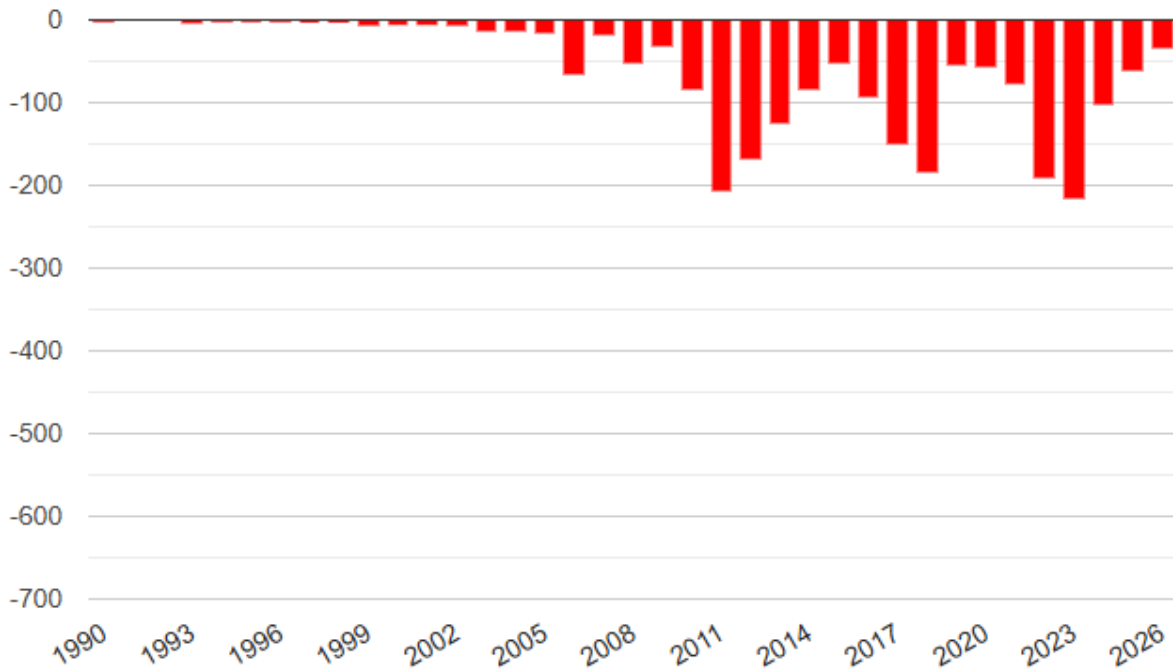
These observations indicate that moving to SirsiDynix Symphony would not be a viable option for Peninsula Library System.

Product Name	CompanyName	Product Type	Year	Contracts	Libraries	Installed
Symphony	SirsiDynix	Integrated Library System	2025	25	10	2077
Symphony	SirsiDynix	Integrated Library System	2024	56		2104
Symphony	SirsiDynix	Integrated Library System	2023	53		2222
Symphony	SirsiDynix	Integrated Library System	2022	102		2333
Symphony	SirsiDynix	Integrated Library System	2021	91		2374
Symphony	SirsiDynix	Integrated Library System	2020	95		2423
Symphony	SirsiDynix	Integrated Library System	2019	99		2454
Symphony	SirsiDynix	Integrated Library System	2018	107		2498
Symphony	SirsiDynix	Integrated Library System	2017	90		2551
Symphony	SirsiDynix	Integrated Library System	2016	142		2573
Symphony	SirsiDynix	Integrated Library System	2015	122		2548
Symphony	SirsiDynix	Integrated Library System	2014	118		2546
Symphony	SirsiDynix	Integrated Library System	2013	128		2496
Symphony	SirsiDynix	Integrated Library System	2012	104		2433
Symphony	SirsiDynix	Integrated Library System	2011	122	725	2377
Symphony	SirsiDynix	Integrated Library System	2010	126		2255
Symphony	SirsiDynix	Integrated Library System	2009	115		
Symphony	SirsiDynix	Integrated Library System	2008	135		
Symphony	SirsiDynix	Integrated Library System	2007	121	121	1704
Symphony	SirsiDynix	Integrated Library System	2006	71		1583
Symphony	SirsiDynix	Integrated Library System	2005	91		1512
Symphony	SirsiDynix	Integrated Library System	2004	134		1481
Symphony	SirsiDynix	Integrated Library System	2003	124		1343
Symphony	SirsiDynix	Integrated Library System	2002	207		1252
Symphony	SirsiDynix	Integrated Library System	2002	95		2423
Symphony	SirsiDynix	Integrated Library System	2001	117		1055

**Symphony Selections by Year**



**Symphony De-selections by Year**



## Carl.Solution from The Library Corporation

The Library Corporation, founded in 1974, continues to operate under the administration and ownership of its co-founder Anette Murphy. The company has a long history of offering library technology products, primarily for public libraries.

The company offers two integrated library systems:

- Library.Solution, geared to small to mid-sized public libraries and school districts (marketed as Library.Solution for Schools).
- Carl.Solution, the latest iteration of the Carl ILS that TLS acquired in 2000. Carl was originally developed in the early 1980's and was implemented by many large-scale libraries and consortia. TLC made considerable investments in developing new versions of the Carl platform, but the number of implementations has continually declined.

Neither of the ILS products from The Library Corporation would be suitable for Peninsula Library System. Library.Solution is used mostly by smaller libraries and is seeing a decline in installations. Carl.Solution has the capabilities to support large libraries and consortia, but the number of installations has fallen to such a small number that its viability may be in jeopardy.

## Spydus from Civica

Spydus is a major library management product in the international sphere but has a very small presence in North America. This ILS was developed specifically for public libraries, and is a major competitor in the UK, Australia, New Zealand, and selected other countries. Civica has made continual improvements to its Spydus library management system. The latest versions are fully web-based for both staff and patron modules. Its architecture has evolved through many generations of technology. The current version (Spydus 11) is a fully web-based product, deployed on the Microsoft Azure platform. It supports many other consortia of similar or greater size and complexity. Spydus has seen a growth in its global customer base.

## Introduction

Civica is a global technology development firm specializing in enterprise systems spanning multiple aspects of local government as well as multiple business sectors, including health care, financial services, and travel. The Spydus library management system is developed and supported through its Libraries and Education division and represents a relatively small part of the global company.

Civica operates sales and support operations for Spydus in the United Kingdom and in Australia. The development for Spydus takes place in its Melbourne offices.

## Indicators

- Global company that provides technology products for local government services, including libraries
- Strong presence in Australia and New Zealand
- Library products specifically focused on public libraries
- Extensive software development capacity as a large company creating technology products for multiple business sectors
- No libraries have implemented Spydus with BiblioCommons
- Bottom line: Not a strong consideration for PLS since the company has such a limited presence in North America

## Reference Implementations

Some consortia with similar characteristics as PLS include:

- [Greater Manchester - North West](#) (UK). Serves 11 library services in the Manchester region, including the large municipal library and its branches. Implemented in 2019.
- [Libraries Ireland](#): serving all the public libraries in the country of Ireland. Migrated from Sierra to Spydus in 2021. This shared system includes 343 library facilities, serving 30 county library authorities, as well as the Dublin City Public Libraries and its 21 branches.
- [Wales Public Library Service](#) (UK). Includes 320 library facilities, serving all 23 library authorities in Wales. Migrated from SirsiDynix Symphony to Spydus in 2024

## Business Environment

Blackstone, a major asset management firm, acquired Civica from Partners Group in May 2024. Lee Perkins has served as the Chief Executive Officer of Civica since October 2022. Civica was founded in 2000 by Simon Downing who served as CEO through 2022. Prior to 2000, the antecedents of Civica resided within Sanderson Group.

As part of Civica, Spydus resides in a stable company with substantial capacity for research and development. For a detailed description of the business history of Civica see:

Breeding, Marshall. (2008). Civica Transitions to Private Equity. *Smart Libraries Newsletter* 28 (6), 1-4. <https://librarytechnology.org/document/13432/civica-transitions-to-private-equity>

## Leadership

Lee Perkins serves as the Chief Executive Officer of Civica. Kelly Gibbs is the Senior Product Manager for Spydus, based in Sydney.

## Spydus

### *Installations*

Spydus has been installed in 285 libraries spanning 2,984 branches and facilities (These figures may be an undercount). Spydus has been adopted in many regions and countries:

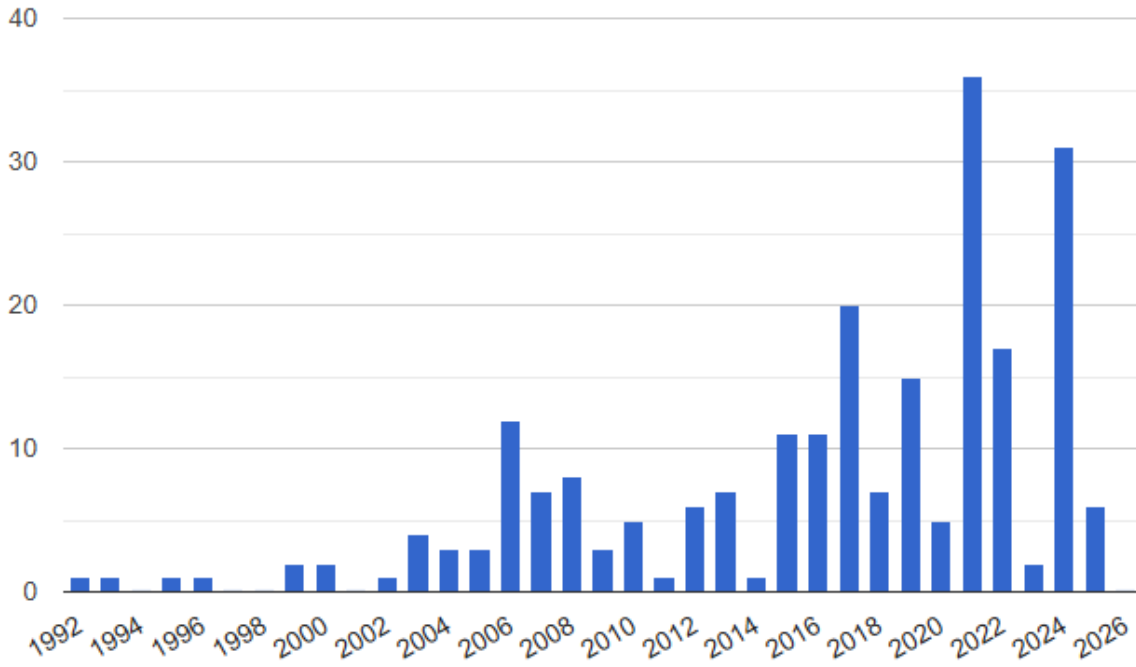
- United Kingdom: 88
- Ireland: 31
- Australia: 123
- New Zealand: 14
- United States: 3

Libraries recently selecting Spydus include:

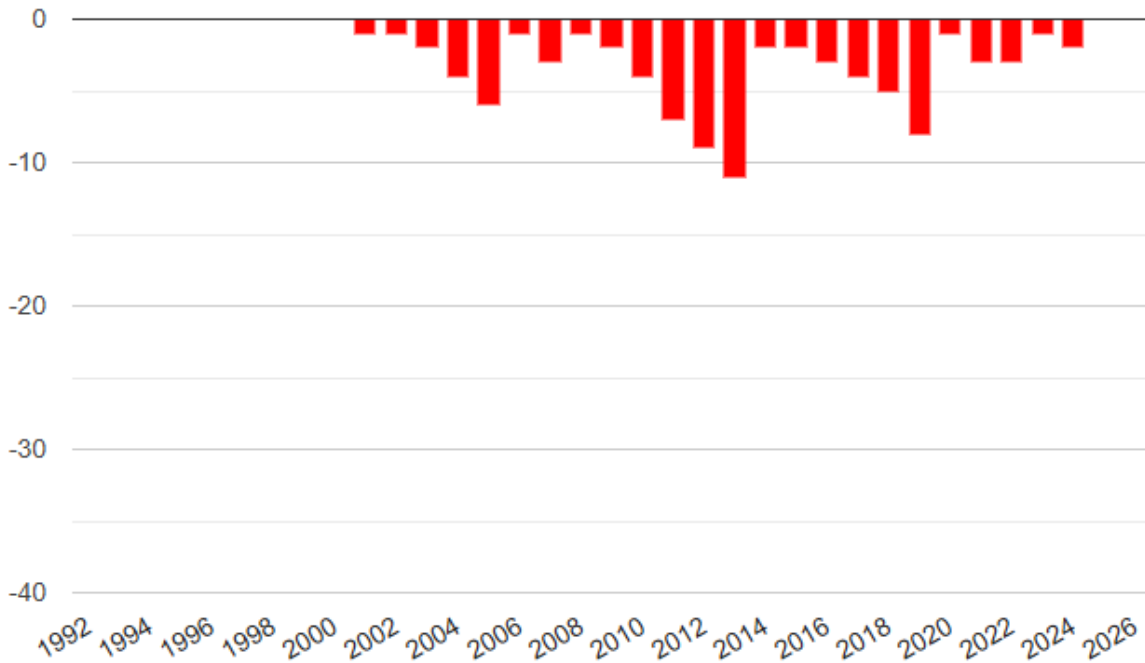
- Brazoria County Library System in Texas
- College of Southern Idaho
- Gore District Libraries (New Zealand)
- MidCoast Libraries (Australia)
- North Yorkshire Libraries (UK)
- Ashburton Shire Council Libraries (Australia)
- Blaenau Gwent Libraries (UK)
- Wales Public Library Service (UK)
- Regional WA Library Consortium (Australia)
- Wellington City Libraries (New Zealand)

The following chart illustrates that far more libraries are selecting Spydus than migrating from it to other systems.

**Spydus Selections by Year**

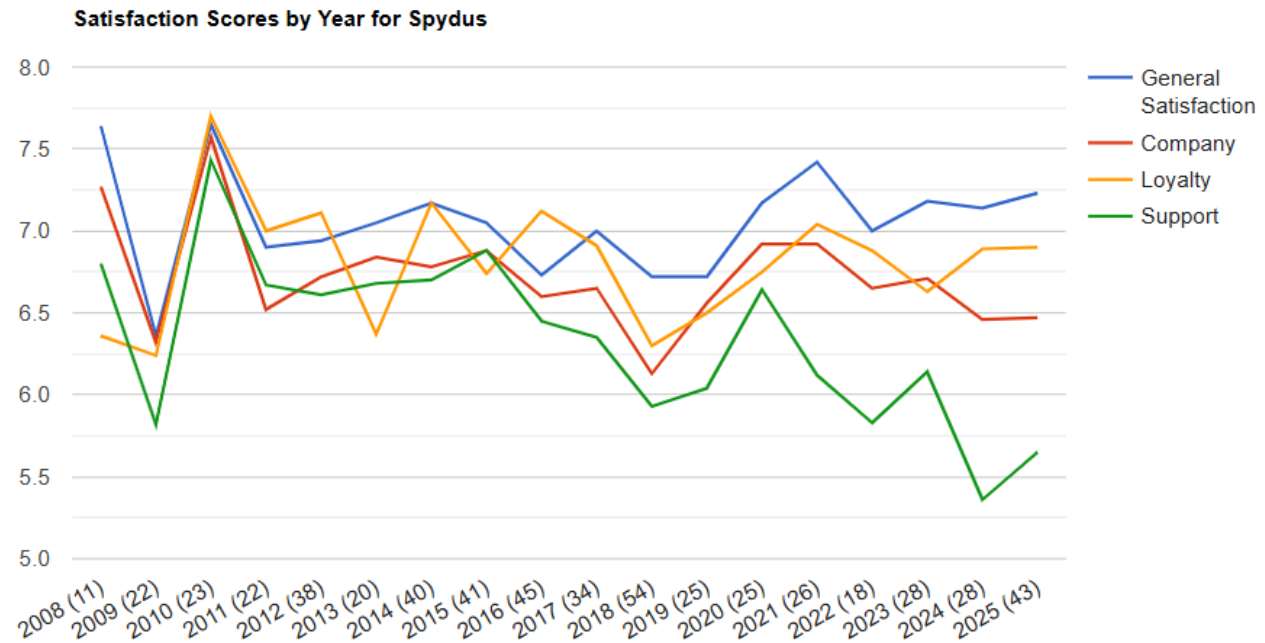


**Spydus De-selections by Year**



## Satisfaction

Overall satisfaction scores for Spydus are quite high, though its scores for support are considerably lower than other categories.



## Wise from OCLC

OCLC introduced Wise for libraries in North America in March 2018. The product was based on bicat Wise, a product developed by HKA that was widely used by libraries in The Netherlands. OCLC acquired HKA in 2013 and continued to develop and support Wise for libraries in The Netherlands and surrounding areas.

Wise differs from other ILS products through its emphasis on patron-centered services:

This new offering addresses a much broader scope of services for public libraries than the traditional ILS. OCLC positions this product as a community engagement platform, layering a broad set of marketing, personalization, and analytics components on top of a core set of resource management and discovery features. Although it includes core services for print collections such as cataloging, circulation, and acquisitions, its design centers on customer relationship management and marketing services.

The conceptual design of OCLC Wise centers on the user profile rather than the bibliographic record. This approach enables the product to operate much like a customer relationship management system to accumulate data able to drive personalized services. OCLC Wise will provide built-in analytics and data-driven

outreach capabilities, such as the ability to deliver personalized messaging and to support marketing campaigns.

Breeding, Marshall. (2018). OCLC to Launch a New Product for US Public Libraries. *Smart Libraries Newsletter* 38 (4), 2-4. <https://librarytechnology.org/document/23500/oclc-to-launch-a-new-product-for-us-public-libraries>

About a dozen libraries in the US implemented OCLC Wise as part of an early implementors program. All but four of these libraries have since moved to other products.

### Indicators:

- A well-regarded system in The Netherlands and the Flanders area of Belgium
- Attempt to launch OCLC Wise in North America has not been successful
- Out of 12 initial implementations in North America, 8 have migrated to other systems
- The last US library to purchase OCLC Wise was Roanoke Valley Libraries in 2022, which has since announced a migration to Polaris
- No implementations of OCLC Wise with BiblioCommons
- Bottom Line: not a consideration for PLS, or for other libraries in North America

## Koha (Open Source ILS) with Support and Hosting from ByWater Solutions

Koha is a robust ILS that has matured substantially since its initial creation in 1999 to serve the Horowhenua Library Trust in New Zealand. Over the course of its 25 years of development, Koha has gained features that rival proprietary products developed by global vendors. Koha is implemented in all global regions and is the most widely used ILS globally, especially since it has been adopted by most libraries in India, Indonesia, and Turkey, and is widely used throughout Latin America.

Koha is based on a set of components that were common at the time that the system was initially developed, including:

- Linux: open source operating system. Commercially supported enterprise versions are available
- Apache: open source web server, used by about 25% of web servers
- MySQL an open source SQL compliant relational database, now owned by Oracle. Many Koha implementations use MariaDB, a fully compatible equivalent

- Perl: a high-level interpreted programming language used for scripting and web applications. Perl supports both procedural and object-oriented programming styles

Many Koha sites use the Plack Perl framework to improve performance in high-transaction implementations.

While Koha offers similar features to the major commercial ILS products, it would be challenging to implement a single instance of the software to support the Peninsula Library Consortium. Aspen Discovery could be implemented as the discovery interface to meet the expectations of patrons who are currently acclimated to BiblioCommons.

Some PLS participants voiced support for Koha as an open source product that might give more ownership and control over the software. Open source software does offer many positive opportunities, but would require substantial investment by PLAN to enhance, implement, and support it for its membership.

ByWater Solutions has become well established as the leading firm providing hosting and support services for Koha in North America. The company was founded in 2009 and has seen rapid growth. It employs over 50 personnel and supports 1,424 libraries spanning 2,217 locations.

42 consortia in North America have implemented Koha with support from ByWater Solutions. Most of these consortia are comprised of smaller public libraries.

The Black Gold Cooperative Library System serving the central California coast region uses Koha and Aspen Discovery with support from ByWater Solutions and shares some characteristics with PLS, though the population it serves is somewhat smaller (790,000 residents). But it appears that this consortium is shrinking, with the recent departures of its largest members San Luis Obispo County Library and Santa Barbara Library.

A migration to Koha and a suite of open source products would not offer any functional advantages over the commercial ILS products such as Spydus, Polaris, or Symphony and would likely require considerable effort and cost to deploy by PLAN, even if also supported by ByWater Solutions.

## Evergreen (Open Source ILS) with Support and Hosting from Equinox

The Georgia Public Library Service developed Evergreen as an open source integrated library system for the Georgia Library PINES project that provides a shared library automation system for most of the public libraries in that state. PINES now serves 55 public libraries in Georgia, spanning 309 facilities. The major urban centers, such as

Atlanta-Fulton County, Cobb County, DeKalb County, and Gwinnett County do not participate in PINES but have implemented other integrated library systems such as Symphony, Polaris, and Library.Solution.

Several organizations provide support and hosting services for Evergreen, including Equinox Open Library Initiative, which consists of some of the original developers of the Evergreen software. Other support organizations include MOBIUS, a consortium in Missouri that provides a variety of technology services to libraries nationally.

Evergreen has been implemented in 30 consortia that together serve 1,140 libraries (2049 branches). The strength of Evergreen is serving large consortia comprised of small public libraries. Evergreen has been implemented by many opt-in statewide consortia offering an economical alternative to the commercial ILS products, often with subsidies from state and federal grants.

King County Library System, serving the area outside of Seattle WA, implemented Evergreen in 2009 and serves as an example of Evergreen working in a high-volume and complex environment. KCLS serves a population of 1.6 million and conducts over 18 million circulation transactions annually. The library implemented BiblioCore in 2014.

Evergreen offers the full set of features expected from an integrated library system, though optimized for use by smaller libraries organized in large consortia. Many of the implementations follow a more centralized approach with a single library card that enables a patron to borrow and request materials from all participating libraries.

### Indicators for PLS

- Evergreen lacks some of the features found in proprietary systems such as Sierra, Polaris, Spydus
- Evergreen would generally not be a good fit for PLS as a consortium of mid-sized to large public library systems
- Supporting Evergreen as an open source ILS would require significant resource for PLAN, even if done in partnership with a support firm such as Equinox

## Discovery Services Options and Issues

Peninsula Library System has used the BiblioCore discovery interface along with Sierra. In most respects BiblioCore works quite well, offering a very sophisticated experience for the patrons of PLS members. At the time that PLS initially implemented BiblioCore, it offered a superior set of services than other available alternatives, such as Encore, the discovery interface available from Innovative Interface that was developed to work with Sierra. Clarivate now offers Vega LX, a product suite of patron-oriented applications.

Going forward, both BiblioCommons and Vega LX can be considered viable options. BiblioCommons may currently have an advantage in functionality, while Vega Discovery may integrate better with Sierra and simplify some of the interactions involving bibliographic, holdings, and patron data. This section gives an overview of the two products and their relative strengths and future prospects.

For a tabulation of the discovery products used by the members of the Urban Libraries Council see: <https://librarytechnology.org/libraries/ulc/discovery.pl>

### Vega Discovery from Clarivate

Innovative Interfaces, now part of Clarivate, offers Vega Discovery as part of its relatively new suite of applications for library patrons. Vega components work with both Clarivate ILS products, Polaris and Sierra, but do not work with non-Clarivate products.

See: Innovative Interfaces Introduces Vega (Breeding, Marshall, Smart Libraries Newsletter March 2021) <https://librarytechnology.org/document/26218/innovative-interfaces-introduces-vega>

The Vega suite of patron services was developed to fill an obvious gap in Clarivate's product lineup. Public libraries increasingly emphasize patron-facing services and Innovate (now Clarivate) lacked compelling products. Prior to Vega, libraries using Sierra, or its predecessor Millennium, would use Encore, launched in 2006 and now considered an outdated product. Some Sierra libraries also used WebPac Pro, its web-based online catalog module, and even more out of date. Prior to Vega, libraries using Polaris would use PowerPAC, its web-based online catalog module. Encore did not support Polaris.

In the absence of adequate discovery interfaces, many libraries using both Sierra and Polaris opted to implement third-party products, especially BiblioCore and Aspen Discovery.

Given these competitive dynamics, Clarivate launched a concerted development effort to develop its own modern discovery environment for both Polaris and Sierra. In a relatively

short period, Vega has risen to the point where it finds widespread use, though it has plenty of room for improvement.

The Vega LX suite includes several products that each address specific tasks or activities, each with a focus on a specific aspect of patron services. Each Vega application competes with multiple third party options. Acquiring these capabilities through Vega may offer some advantages as an integrated solution supported by Clarivate. Alternatively, libraries can acquire products from multiple vendors that may have more advanced or mature products but may involve more complex integration and support scenarios.

The Vega LX Starter component is provided to libraries using Sierra or Polaris without cost. Other components would involve subscription costs. Clarivate may also offer bundles of Vega components at a discounted price compared to separate purchases. All competing options would require annual subscription fees.

<b>Vega LX Component</b>	<b>Scope</b>	<b>Competitors</b>
Vega LX Starter	Basic capabilities for notices using email	BiblioEmail Springshare Patron Point
Vega Discover	Search and request print and digital collection resources.	BiblioCore Aspen Discovery
Vega Donate	Library donation platform	Many third-party services for non-profits, not specific to libraries: Blackbaud CRM Salesforce CRM
Vega Interact	Multiple communications channels for circ notices, holds pickups, marketing, and other messages	Springshare Patron Point MessageBee BiblioEmail+ MessageBee
Vega Mobile	Mobile app for discovery and services (Currently based on SOLUS mobile app)	SOLUS BiblioApps Communico Connect
Vega Program	Calendar and Scheduling	BiblioEvents Springshare LibCal LibraryMarket LibraryCalendar Communico Attend and Reserve
Vega Promote	Automated marketing and communications	Springshare Patron Point BiblioEmail Mailchimp Constant Contact
Vega Reports	Reports and Analytics	BiblioCommons Analytics Platform OrangeBoy LibraryIQ LibraryHQ Springshare LibInsight

Vega Web Builder	Environment for creating library Web sites	BiblioWeb EBSCO Stacks Library Market LibraryWebsite Communico Create Many third party services, not specific to libraries
Planned but not announced	Patron Registration	Springshare Patron Point Orange Boy Quipu

Vega has achieved a high level of capability and has even attracted libraries to migrate from BiblioCommons. 60 libraries (133 branches) using BiblioCore have shifted to Vega in the last two years, including:

- Outagamie Waupaca Library System in Wisconsin (OWLSnet); ILS: Polaris
- Valley Library Consortium in Michigan; ILS: Polaris
- Gwinnett County (Georgia) Public Library; ILS Polaris
- Milton Public Library in Ontario; ILS Polaris
- Ramsey County (Minnesota) Public Library

The key trend is that libraries choosing Polaris generally choose Vega as their discovery interface, even if it displaces third-party products such as those from BiblioCommons. This trend may reflect confidence in Vega, even though currently BiblioCore may have an edge in features.

There are exceptions. Seattle Public Library in Washington, Sonoma County Libraries in California, and Mecklenburg County in North Carolina, each recently selected Polaris to replace their Horizon ILS and opted to retain BiblioCommons.

New contracts for Polaris usually include the Vega suite of patron products, reflecting a general preference to work with a single vendor for library management and discovery. Polaris is currently winning more new clients than other proprietary systems.

PLAN performed a comparison of Vega Discovery with BiblioCore in 2023. The study demonstrated that the two discovery interfaces had quite similar capabilities and limitations at that time. Vega had some advantages, including the ability to send searches to LINK+ without making the patron reenter the search.

### BiblioCore from BiblioCommons

BiblioCommons specializes exclusively in technologies for public libraries related to patron interfaces and related services. The company was founded in 2007 by Beth Jefferson and Patrick Kennedy, building on the research performed by Jefferson on library patron behaviors.

BiblioCommons was acquired by Volaris Group, one of the operating companies of Constellation Software, Inc., in February 2020. At that time both founders exited the company. Marty Tarle has served as General Manager since 2023.

BiblioCommons has developed a suite of products, all offered to public libraries through a subscription-based software as a service model. BiblioCore is generally regarded as the most advanced discovery interface available; BiblioWeb provides a content management and presentation environment which fully replaces a library's website. BiblioApps is a mobile app fully consistent with the search and presentation of its web-based products. The company does not offer its own library management product.

BiblioCommons is implemented primarily by larger organizations, including larger city or county systems or consortia. Smaller libraries gain access to BiblioCommons primarily through participation in consortia. BiblioCore has been implemented in 549 libraries spanning 2365 branches or facilities.

There is informal information suggesting that some libraries pay about the same annual costs for BiblioCommons as they do for their library management system. Given the priority of patron-facing services, this investment may be a reasonable investment for libraries that want to offer premium services to their patrons.

## Aspen Discovery (Open Source)

Aspen Discovery is available as an open source discovery interface designed primarily for public libraries. The product has been widely deployed in North America, with multiple companies offering hosting and support services, including ByWater Solutions, Grove for Libraries, and Equinox Open Library Initiative. Aspen Discovery has features comparable to the proprietary discovery products and is considered a low-cost alternative. Aspen Discovery has been implemented with most of the major ILS products, including Symphony, Sierra, Polaris, Koha, and Evergreen.

Aspen Discovery has an interesting heritage (VuFind > Pika > Aspen Discovery). It was originally based on the open source VuFind discovery interface created at Villanova University, launched in 2007. The Marmot network in Colorado created a discovery interface named Pika in about 2016 which was based on a fork of VuFind. In 2019 the primary Pika developer at Marmot started a new company (Turning Leaf Technologies) offering Aspen Discovery, a fork of Pika. ByWater Solutions acquired Turning Leaf Technologies in 2019, launching its service offerings for Aspen Discovery. That developer has since started a new company, Grove for Libraries, offering support services for Aspen Discovery.

Technologies underlying Aspen Discovery include MySQL, Linux, Apache HTTP server, and SOLR indexing engine. It is written in PHP. This LAMP architecture would not necessarily be used in new development for enterprise applications today, but this product has proven to be scalable with installations in many large libraries and consortia.

Aspen Discovery has been implemented in 1,819 libraries spanning 3250 branches and facilities.

It is important to note that almost all public libraries selecting Koha in recent years also opt for Aspen Discovery, with both products supported by the same vendor. This trend applies to ByWater Solutions and Equinox in North America and Open Fifth in the United Kingdom.

### Perceptions Survey results for Public Library Discovery

The following tables show the results from the 2026 Library Automation Perceptions Survey for public library discovery services, measuring responses for Satisfaction and Usability. The results show higher Mean scores for Aspen Discovery and BiblioCommons. The tables reflect all survey responses (not limited to Kōtui libraries). These responses reflect the perceptions of how the products perform for the libraries using them.

The following tables include the number of responses given by libraries to this section of the survey and the mean score that averages the numerical responses. A second table for each product gives the average scores for each sector. For these products all responses were from public libraries, and the tables separate the mean scores by small, medium, and large libraries, as measured by print collection size.

#### Aspen Discovery

2025 Survey Results														
Product: Aspen Discovery -- ByWater Solutions		Response Distribution										Statistics		
Category	Responses	0	1	2	3	4	5	6	7	8	9	Mode	Mean	Median
Satisfaction	143	1	1	3	2	3	8	31	61	33		8	7.58	8
Usability	142	1	1	3	2	5	10	35	52	33		8	7.48	8

2025 Aspen Discovery -- ByWater Solutions Responses by Sector															
Aspen Discovery -- ByWater Solutions	all		Academic			Public			School		Consortium				
	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg			
PubDiscoverySatisfaction	143	7.58	0	0	0	0	109	7.51	30	7.70	3	0	0		
PubDiscoveryUsability	142	7.48	0	0	0	0	108	7.38	30	7.70	3	0	0		

*BiblioCore from BiblioCommons*

2025 Survey Results														
Product: BiblioCore		Response Distribution									Statistics			
Category	Responses	0	1	2	3	4	5	6	7	8	9	Mode	Mean	Median
Satisfaction	66				1	1	4	17	30	13		8	7.71	8
Usability	65				1	1	3	14	29	17		8	7.85	8

2025 BiblioCore Responses by Sector																		
BiblioCore	all		Academic						Public						School		Consortium	
			small		medium		large		small		medium		large					
	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg
PubDiscoverySatisfaction	66	7.71	0		0		0		20	7.85	28	7.96	14	7.21	0		0	
PubDiscoveryUsability	65	7.85	0		0		0		20	7.95	28	8.00	14	7.57	0		0	

*Vega Discovery from Clarivate*

2025 Survey Results														
Product: Vega Discovery		Response Distribution									Statistics			
Category	Responses	0	1	2	3	4	5	6	7	8	9	Mode	Mean	Median
Satisfaction	87	2		5	3	6	15	24	23	9		7	6.69	7
Usability	86	2	1	4	5	7	14	21	20	12		7	6.63	7

2025 Vega Discovery Responses by Sector																		
Vega Discovery	all		Academic						Public						School		Consortium	
			small		medium		large		small		medium		large					
	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg
PubDiscoverySatisfaction	87	6.69	0		0		0		58	6.78	20	6.50	6	6.67	0		0	
PubDiscoveryUsability	86	6.63	0		0		0		57	6.74	20	6.40	6	6.33	0		0	

*Enterprise from SirsiDynix*

2025 Survey Results														
Product: Enterprise		Response Distribution									Statistics			
Category	Responses	0	1	2	3	4	5	6	7	8	9	Mode	Mean	Median
Satisfaction	124	3	1	6	6	18	15	40	28	7		7	6.40	7
Usability	124	2	2	6	8	20	15	36	30	5		7	6.31	7

2025 Enterprise Responses by Sector																		
Enterprise	all		Academic						Public						School		Consortium	
			small		medium		large		small		medium		large					
	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg
<b>PubDiscoverySatisfaction</b>	124	<b>6.40</b>	0		0		0		72	<b>6.29</b>	38	<b>6.45</b>	7	<b>7.29</b>	0		0	
<b>PubDiscoveryUsability</b>	124	<b>6.31</b>	0		0		0		72	<b>6.15</b>	38	<b>6.37</b>	7	<b>7.29</b>	0		0	

*Observations*

- Aspen Discovery and BiblioCore were given scores somewhat higher than the other products. Both products work with any major ILS
- Vega Discover ranks lower than BiblioCore and Aspen Discover
- SirsiDynix ranks lower than the other products.
- The differences among the scores fall within a limited range.

BiblioCommons BiblioCore was introduced in about 2009 and has progressed through 18 years of development.

Vega Discovery was launched in 2021, with implementation beginning in about 2022. Following a relatively short development period, the product has gained comparable capabilities.

Aspen Discovery shows remarkable favorable results, even though it is a low-cost option. Most of the responses (108 out of 142) were from smaller libraries. Most (but not all) the implementations of Aspen Discovery

Category	Sierra	Polaris	Symphony	Spydus	Koha	Evergreen
Library types	all	public	all	public	all	public
Operating environment	Linux	Windows .NET	Unix	Azure	Linux	Linux
Staff Client	Java	Web	Java / web	web	web	web
Hosting options	local / vendor	local / vendor	local / vendor	SaaS only	local / vendor	local / vendor
Year introduced	2011 / 1987	1997	1982	2001	1999	2006
Total Installations	426	426	901	173	1718	77
Total Libraries	1514	1716	3165	285	4848	1140
Total Facilities	3251	4418	11294	2894	6788	2049
Number of Consortia	43	57	88	7	65	30
Full-featured ILS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Circulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cataloging	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Authority Control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Acquisitions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Web-based staff interfaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
EDI support	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Online Catalog as ILS Module	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Online Catalog	WebPAC	PowerPAC	WebCat		Koha OPAC	Evergreen OPAC
Discovery Interface	Vega Discover	Vega Discover	Enterprise	Spydus Web	Aspen Discovery	Aspen Discovery
Integrated with BiblioCommons	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Asset	Replacement Schedule	Fiscal Year
Switches	7 years	FY 2032-33
Wireless Access Points (APs) Indoor	6 years	FY 2031-32
PC for Envisionware Management Console	5 years	FY 2025-26
Wireless Access Points (APs) Outdoor	6 years	FY 2031-32 or later
Automated Material Handling (AMH)	10 years	Varies by location
PC for AMH	4 years	Varies by vendor & install date
Self-checks	7 years	Varies by install date
PC for Self-Check	4 years	Varies by install date
Print Release Stations (PRS)	7 years	Varies by install date
Library Document Station (LDS)	10 years	Varies by install date
Coin and Bill Acceptor (CBA)	10 years	Varies by install date
RFID Gates	10 years	Varies by install date
RFID Pads	10 years	Varies by install date
Credit Card (CC) Terminals	10 years	Varies by install date

### Burlingame Libraries - Equipment Inventory

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of	Estimated - EOL			Est Replacement Cost		
			Per Unit	Total	Per Unit	Total			Purchased	Service	Yrs	Date	Years left	Per Unit
<b>MAIN</b>														
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050	
Switches	Fortinet	6	\$ 610	\$ 3,660	\$ 100	\$ 600	10/2024		7	10/2031	▶ 5	\$ 641	\$ 3,843	
Wireless Access Points (APs)	Extreme Networks	13	\$ 630	\$ 8,190	\$ 156	\$ 2,028	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 8,600	
Automated Material Handling (AMH)	Lyngsoe	1	\$ 326,169	\$ 326,169	\$ 12,877	\$ 12,877	09/2023	2	10	09/2033	▶ 7	\$ 342,477	\$ 342,477	
Envisionware Management Console	Envisionware	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050	
Self-Check - Countertop	Envisionware X11	6	\$ 3,950	\$ 23,700	\$ 1,034	\$ 6,206	06/2020	5	7	06/2027	▶ 1	\$ 4,148	\$ 24,885	
Coin and Bill Acceptor (CBA)	Envisionware	1	\$ 1,895	\$ 1,895		\$ -	08/2015	10	10	08/2025	Past due	\$ 1,990	\$ 1,990	
RFID Gates	3M (Bibliotheca)	1	\$ 9,375	\$ 9,375	\$ 1,194	\$ 1,194	06/2012	13	10	06/2022	Past due	\$ 9,844	\$ 9,844	
RFID Pads RFID Pad Workstation	Bibliotheca	4	\$ 895	\$ 3,580		\$ -	09/2018	7	10	09/2028	▶ 2	\$ 940	\$ 3,759	
RFID Pads STF WKSTN:896	3M (Bibliotheca)	12	\$1,095	\$ 13,140		\$ -	06/2012	13	10	06/2022	Past due	\$ 1,150	\$ 13,797	
RFID Pads (1-PadS#)	Envisionware	1	\$ 590	\$ 590		\$ -	02/2020	6	10	02/2030	▶ 3	\$ 620	\$ 620	
RFID Pads (DiscReaderS#)	Envisionware	1	\$ 390	\$ 390		\$ -	02/2020	6	10	02/2030	▶ 3	\$ 410	\$ 410	
<b>TOTAL</b>		<b>160</b>		<b>\$392,689</b>									<b>\$ 412,323</b>	

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Service	Yrs	Date	Years left
<b>EASTON</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641
Wireless Access Points (APs) Indoor	Extreme Networks	2	\$ 630	\$ 1,260	\$ 156	\$ 312	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,323
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware X11	1	3950	\$ 3,950	\$ 1,034	\$ 1,034	06/2020	5	7	06/2027	▶ 1	\$ 4,148	\$ 4,148
RFID Pads	3M (Bibliotheca)	3	\$ 1,095	\$ 3,285	\$ 253	\$ 759	02/2011	15	10	02/2021	Past due	\$ 1,150	\$ 3,449
<b>TOTAL</b>		<b>12</b>		<b>\$ 11,105</b>									<b>\$ 11,660</b>

<b>BPL - GRAND TOTAL</b>		<b>172</b>		<b>\$403,794</b>									<b>\$ 423,984</b>
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### Daly City Libraries - Equipment Inventory

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Service	Yrs	Date	Years left
<b>MAIN - SERRAMONTE</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	2	\$ 610	\$ 1,220	\$ 100	\$ 200	10/2024	1	7	10/2031		\$ 641	\$ 1,281
Wireless Access Points (APs) Indoor	Extreme Networks	4	\$ 630	\$ 2,520	\$ 156	\$ 624	10/2024	1	6	10/2030		\$ 662	\$ 2,646
Wireless Access Points (APs) Outdoor	Extreme Networks	1	\$ 1,200	\$ 1,200		\$ -	10/2020	5	6	10/2026	▶ 0	\$ 1,260	\$ 1,260
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - 2500	Bibliotheca	2	\$ 7,710	\$ 15,420	\$ 1,300	\$ 2,600	01/2026	0	7	01/2033	▶ 6	\$ 8,096	\$ 16,191
Print Release Stations (PRS)	Envisionware (Customized-PC)	2	\$ 1,800	\$ 3,600		\$ -	09/2015	10	10	09/2025	Past due	\$ 1,890	\$ 3,780
Library Document Station (LDS)	Envisionware	1	\$ 6,595	\$ 6,595			02/2023	3	7	02/2030	▶ 3	\$ 6,925	\$ 6,925
Coin and Bill Acceptor (CBA)	Envisionware	1	\$ 1,895	\$ 1,895		\$ -	07/2015	10	10	07/2025	Past due	\$ 1,990	\$ 1,990
RFID Gates Model 9102, direct mount	3M (Bibliotheca)	1	\$ 9,375	\$ 9,375	\$ 1,194	\$ 1,194	10/2011	14	10	10/2021	Past due	\$ 9,844	\$ 9,844
RFID Pad Workstation	Bibliotheca	2	\$ 8,496	\$ 16,992		\$ -	04/2019	7	10	04/2029	▶ 2	\$ 8,921	\$ 17,842
RFID Pads STF WKSTN:896	3M (Bibliotheca)	7	\$ 1,095	\$ 7,665		\$ -	08/2011	14	10	08/2021	Past due	\$ 1,150	\$ 8,048
<b>TOTAL</b>		<b>132</b>											<b>\$ 71,906</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Service	Yrs	Date	Years left
<b>WESTLAKE</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031		\$ 641	\$ 641
Wireless Access Points (APs) Indoor	Extreme Networks	2	\$ 1,200	\$ 2,400	\$ 105	\$ 210	01/2018	8	6	01/2024	Past due	\$ 1,260	\$ 2,520
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - 2500	Bibliotheca	1	\$ 7,710	\$ 7,710	\$ 1,300	\$ 1,300	01/2026	0	7	01/2033	▶ 6	\$ 8,096	\$ 8,096
Print Release Stations (PRS)	Envisionware (Customized)	1	\$ 1,800	\$ 1,800		\$ -	09/2015	10	7	09/2022	Past due	\$ 1,890	\$ 1,890
Library Document Station (LDS)	Envisionware	1	\$ 6,595	\$ 6,595			02/2023	3	7	02/2030	▶ 3	\$ 6,925	\$ 6,925
Coin and Bill Acceptor (CBA)	Envisionware	1	\$ 3,570	\$ 3,570		\$ -	07/2015	10	10	07/2025	Past due	\$ 3,749	\$ 3,749
RFID Gates Model 9102, direct mount	3M (Bibliotheca)	1	\$ 9,375	\$ 9,375	\$ 1,194	\$ 1,194	10/2011	14	10	10/2021	Past due	\$ 9,844	\$ 9,844
RFID Pads STF WKSTN:896	3M (Bibliotheca)	4	\$ 1,095	\$ 4,380	\$ 1,194	\$ 4,776	08/2011	14	10	08/2021	Past due	\$ 1,150	\$ 4,599
<b>TOTAL</b>		<b>20</b>											<b>\$ 40,362</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of	Estimated - EOL			Est Replacement Cost		
			Per Unit	Total	Per Unit	Total			Purchased	Service	Yrs	Date	Years left	Per Unit
<b>JOHN DALY</b>														
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050	
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641	
Wireless Access Points (APs) Indoor	Extreme Networks	1	\$ 630	\$ 630	\$ 156	\$ 156	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 662	
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050	
Self-Check - 2500	Bibliotheca	1	\$ 7,710	\$ 7,710	\$ 1,300	\$ 1,300	01/2026	0	10	01/2036	▶ 9	\$ 8,096	\$ 8,096	
Print Release Stations (PRS)	Envisionware (Customized)	1	\$ 1,800	\$ 1,800		\$ -	09/2015	10	10	09/2025	Past due	\$ 1,890	\$ 1,890	
RFID Gates	3M (Bibliotheca)	1	\$ 9,375	\$ 9,375	\$ 1,194	\$ 1,194	10/2011	14	10	10/2021	Past due	\$ 9,844	\$ 9,844	
RFID Pad Workstation	3M (Bibliotheca)	1	\$ 8,496	\$ 8,496		\$ -	06/2012	13	10	06/2022	Past due	\$ 8,921	\$ 8,921	
RFID Pads STF WKSTN:896	3M (Bibliotheca)	3	\$ 1,095	\$ 3,285	\$ 1,194	\$ 3,582	08/2011	14	10	08/2021	Past due	\$ 1,150	\$ 3,449	
<b>TOTAL</b>		<b>20</b>											<b>\$ 35,601</b>	

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of	Estimated - EOL			d Of Life (EOL)	Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Service	Yrs		Date	Years left
<b>BAYSHORE</b>														
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050	
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641	
Wireless Access Points (APs) Indoor	Extreme Networks	1	\$ 630	\$ 630	\$ 156	\$ 156	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 662	
Wireless Access Points (APs) Outdoor	Extreme Networks	1	\$ 1,200	\$ 1,200		\$ -	08/2021	4	6	08/2027	▶ 1	\$ 1,260	\$ 1,260	
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050	
Self-Check - 2500	Bibliotheca	1	\$ 7,710	\$ 7,710	\$ 1,300	\$ 1,300	01/2026	0	10	01/2036	▶ 9	\$ 8,096	\$ 8,096	
Print Release Stations (PRS)	Envisionware (Customized)	1	\$ 1,800	\$ 1,800		\$ -	09/2015	10	10	09/2025	Past due	\$ 1,890	\$ 1,890	
Library Document Station (LDS)	Envisionware	1	\$ 6,595	\$ 6,595		\$ -	02/2023	3	7	02/2030	▶ 3	\$ 6,925	\$ 6,925	
Coin and Bill Acceptor (CBA)	Envisionware	1	\$ 3,570	\$ 3,570		\$ -	02/2023	3	10	02/2033	▶ 6	\$ 3,749	\$ 3,749	
RFID Gates	3M (Bibliotheca) Model 9102	1	\$ 9,375	\$ 9,375	\$ 1,194	\$ 1,194	06/2012	13	10	06/2022	Past due	\$ 9,844	\$ 9,844	
RFID Pads STF WKSTN:896	3M (Bibliotheca)	3	\$ 1,095	\$ 3,285	\$ 450	\$ 1,350	08/2011	14	10	08/2021	Past due	\$ 1,150	\$ 3,449	
<b>TOTAL</b>		<b>16</b>											<b>\$ 38,614</b>	

<b>DCL - GRAND TOTAL</b>		<b>188</b>											<b>\$ 186,483</b>
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### Menlo Park Libraries - Equipment Inventory

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL		Years left	Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs		Date	Per Unit
<b>MAIN</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	3	\$ 610	\$ 1,830	\$ 100	\$ 300	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 1,922
Wireless Access Points (APs) Indoor	Extreme Networks	7	\$ 630	\$ 4,410	\$ 156	\$ 1,092	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 4,631
Automated Material Handling (AMH)	Bibliotheca	1	\$ 197,206	\$ 197,206	\$ 14,853	\$ 14,853	11/2025	0	10	11/2035	▶ 9	\$ 207,066	\$ 207,066
Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Desktop 2500	Bibliotheca	3	\$ 7,250	\$ 21,750	\$ 1,300	\$ 3,900	09/2025	0	7	09/2032	▶ 6	\$ 7,613	\$ 22,838
Self-Check - K2500 Kiosk Fixed Height	Bibliotheca	1	\$ 7,793	\$ 7,793	\$ 1,300	\$ 1,300	09/2025	0	7	09/2032	▶ 6	\$ 8,183	\$ 8,183
Self-Check - Kiosk	Bibliotheca	1	\$ 7,899	\$ 7,899	\$ 1,299	\$ 1,299	04/2019	7	7	04/2026	Past due	\$ 8,294	\$ 8,294
RFID Gates	Bibliotheca	1	\$ 14,520	\$ 14,520	\$ 2,100	\$ 2,100	06/2025	0	10	06/2035	▶ 9	\$ 15,246	\$ 15,246
RFID Pads	Bibliotheca	8	\$ 1,010	\$ 8,080	\$ 80	\$ 640	11/2025	0	10	11/2035	▶ 9	\$ 1,061	\$ 8,484
<b>TOTAL</b>		<b>65</b>											<b>\$ 278,762</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL		d Of Life (EOL)	Years left	Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs			Date	Per Unit
<b>BELLE HAVEN</b>														
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050	
Switches	Fortinet	3	\$ 610	\$ 1,830	\$ 100	\$ 300	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 1,922	
Wireless Access Points (APs) Indoor	Extreme Networks	2	\$ 630	\$ 1,260	\$ 156	\$ 312	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,323	
UPS in MPOE	Eaton	1	\$ 4,150	\$ 4,150		\$ -	01/2024	2	6	01/2030	▶ 3	\$ 4,357	\$ 4,357	
Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050	
Self-Check - 1000	Bibliotheca	3	\$ 9,943	\$ 29,829	\$ 1,500	\$ 4,500	03/2024	2	7	03/2031	▶ 4	\$ 10,440	\$ 31,320	
<b>TOTAL</b>		<b>14</b>											<b>\$ 41,022</b>	

<b>MPL - GRAND TOTAL</b>		<b>79</b>											<b>\$ 319,785</b>
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## Redwood City Libraries - Equipment Inventory

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date Purchased	Years of		Estimated - EOL		Est Replacement Cost	
			Per Unit	Total	Per Unit	Total		Service	Yrs	Date	Years left	Per Unit	Total
<b>MAIN</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	7	\$ 610	\$ 4,270	\$ 100	\$ 700	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 4,484
Switches	Fortinet POE	1	\$ 1,250	\$ 1,250	\$ 150	\$ 150	10/2024	1	7	10/2031	▶ 5	\$ 1,313	\$ 1,313
Wireless Access Points (APs) Indoor	Extreme Networks	18	\$ 630	\$ 11,340	\$ 100	\$ 1,800	10/2024	1	7	10/2031	▶ 5	\$ 662	\$ 11,907
Wireless Access Points (APs) Outdoor	Extreme Networks	2	\$ 1,200	\$ 2,400		\$ -	10/2020	5	6	10/2026	▶ 0	\$ 1,260	\$ 2,520
Automated Material Handling (AMH)	3M (Bibliotheca)	1	\$ 393,800	\$ 393,800	\$ 14,853	\$ 14,853	03/2023	3	10	03/2033	▶ 6	\$ 413,490	\$ 413,490
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Desktop - Proline	Envisionware X11	4	\$ 2,950	\$ 11,800	\$ 1,374	\$ 5,495	05/2020	5	7	05/2027	▶ 1	\$ 3,098	\$ 12,390
Self-Check - Countertop	Envisionware X11	1	\$ 3,950	\$ 3,950	\$ 1,034	\$ 1,034	06/2022	3	7	06/2029	▶ 3	\$ 4,148	\$ 4,148
Print Release Stations (PRS)	Envisionware X11 Kiosk	1	\$ 10,000	\$ 10,000		\$ -	02/2023	3	7	02/2030	▶ 3	\$ 10,500	\$ 10,500
Coin and Bill Acceptor (CBA)	amex (Envisionware)	1	\$ 1,895	\$ 1,895		\$ -	09/2015	10	10	09/2025	Past due	\$ 1,990	\$ 1,990
RFID Gates RFID-GATE 3D-R-U	Envisionware	1	\$ 4,595	\$ 4,595	\$ 1,194	\$ 1,194	06/2012	13	10	06/2022	Past due	\$ 4,825	\$ 4,825
RFID-GATE 3D-R-U 2-Aisle (B)	Envisionware	1	\$ 6,495	\$ 6,495		\$ -	06/2012	13	10	06/2022	Past due	\$ 6,820	\$ 6,820
RFID Pads (Deskpads 1-PadS#)	Envisionware	14	\$ 590	\$ 8,260		\$ -	02/2020	6	10	02/2030	▶ 3	\$ 620	\$ 8,673
RFID Pads (DiscReaderS#)	Envisionware	20	\$ 390	\$ 7,800		\$ -	02/2020	6	10	02/2030	▶ 3	\$ 410	\$ 8,190
Credit Card (CC) Terminals	EnvisionWare MX915	2	\$ 390	\$ 780		\$ -	02/2020	6	10	02/2030	▶ 3	\$ 410	\$ 819
<b>TOTAL</b>		<b>164</b>											<b>\$ 494,167</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date Purchased	Years of		End Of Life (EOL)		Est Replacement Cost	
			Per Unit	Total	Per Unit	Total		Service	Yrs	Estimated	Years left	Per Unit	Total
<b>SHORES</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	5	\$ 610	\$ 3,050	\$ 100	\$ 500	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 3,203
Wireless Access Points (APs) Indoor	Extreme Networks	8	\$ 630	\$ 5,040	\$ 156	\$ 1,248	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 5,292
Wireless Access Points (APs) Outdoor	Extreme Networks	2	\$ 1,200	\$ 2,400		\$ -	10/2020	5	6	10/2026	▶ 0	\$ 1,260	\$ 2,520
Automated Material Handling (AMH)	Lyngsoe	1	\$ 340,600	\$ 340,600	\$ 14,853	\$ 14,853	10/2022	3	10	10/2032	▶ 6	\$ 357,630	\$ 357,630
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Desktop - Proline	Envisionware	3	\$ 2,950	\$ 8,850	\$ 1,374	\$ 4,122	05/2020	5	7	05/2027	▶ 1	\$ 3,098	\$ 9,293
Coin and Bill Acceptor (CBA)	Jamex (Envisionware)	1	\$ 1,895	\$ 1,895		\$ -	09/2015	10	10	09/2025	Past due	\$ 1,990	\$ 1,990
RFID-GATE 3D-WA-U 2-Wide Aisle	Envisionware	2	\$ 8,895	\$ 17,790		\$ -	05/2020	5	10	05/2030	▶ 4	\$ 9,340	\$ 18,680
Credit Card (CC) Terminals	EnvisionWare MX915	3	\$ 504	\$ 1,512		\$ -	05/2020	5	10	05/2030	▶ 4	\$ 529	\$ 1,588
<b>TOTAL</b>		<b>38</b>											<b>\$ 402,294</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of			End Of Life (EOL)		Est Replacement Cost	
			Per Unit	Total	Per Unit	Total		Purchased	Service	Yrs	Estimated	Years left	Per Unit	Total
<b>SCHABERG</b>														
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050	
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641	
Wireless Access Points (APs) Indoor	Extreme Networks	2	\$ 630	\$ 1,260	\$ 156	\$ 312	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,323	
Management Console	Dell	1	\$ 1,000	\$ 1,000			11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050	
Self-Check Kiosk	Envisionware	1	\$ 4,950	\$ 4,950	\$ 1,299	\$ 1,299	05/2020	5	7	05/2027	▶ 1	\$ 5,198	\$ 5,198	
RFID Gates	Envisionware RFID-GATE 3D-R-U 1-Aisle (B)	1	\$ 4,595	\$ 4,595	\$ 1,194	\$ 1,194	05/2020	5	10	05/2030	▶ 4	\$ 4,825	\$ 4,825	
<b>TOTAL</b>		<b>9</b>											<b>\$ 14,086</b>	
<b>RCL - GRAND TOTAL</b>		<b>211</b>											<b>\$ 910,546</b>	

### San Bruno Library - Equipment/Software Inventory

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL		Est Replacement Cost		
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
MAIN													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641
Wireless Access Points (APs) Indoor	Extreme Networks	3	\$ 630	\$ 1,890	\$ 156	\$ 468	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,985
Wireless Access Points (APs) Indoor	Extreme Networks	2	\$ 630	\$ 1,260	\$ 156	\$ 312	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,323
Management Console	Envisionware	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self Check	Envisionware	3	\$ 3,800	\$ 11,400	\$ 1,034	\$ 3,103	02/2023	3	7	02/2030	▶ 3	\$ 3,990	\$ 11,970
	Jamex (Envisionware)	1	\$ 1,895	\$ 1,895		\$ -	11/2015	10	10	11/2025	Past due	\$ 1,990	\$ 1,990
	Envisionware	2	\$ 10,550	\$ 21,100	\$ 1,000	\$ 2,000	01/2023	3	10	01/2033	▶ 6	\$ 11,078	\$ 22,155
	Envisionware	5	\$ 790	\$ 3,950	\$ 450	\$ 2,250	02/2011	15	10	02/2021	Past due	\$ 830	\$ 4,148
	Verifone 915	1	\$ 504	\$ 504		\$ -	Nov-15	10	10	11/2025	Past due	\$ 529	\$ 529
<b>TOTAL</b>		<b>58</b>											<b>\$ 46,839</b>
<b>SBL - GRAND TOTAL</b>		<b>58</b>											<b>\$ 46,839</b>

### San Mateo City Public Libraries - Equipment Inventory

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date Purchased	Years of Service	Estimated - EOL			Est Replacement Cost		
			Per Unit	Total	Per Unit	Total			Yrs	Date	Years left	Per Unit	Total	
<b>MAIN</b>														
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050	
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641	
Wireless Access Points (APs) Indoor	Extreme Networks	9	\$ 630	\$ 5,670	\$ 156	\$ 1,404	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 5,954	
Automated Material Handling (AMH)	Lyngsoe	1	\$ 1,196,306	\$ 1,196,306	\$ 14,853	\$ 14,853	10/2016	9	10	10/2026	▶ 0	\$ 1,256,121	\$ 1,256,121	
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050	
Library Document Station (LDS)	Envisionware	1	\$ 6,695	\$ 6,695		\$ -	05/2020	5	7	05/2027	▶ 1	\$ 7,030	\$ 7,030	
Self-Check - 500D desktop kiosk	Bibliotheca	4	6258	\$ 25,032		\$ -	05/2020	5	7	05/2027	▶ 1	\$ 6,571	\$ 26,284	
Self-Check 500-Fixed height	Bibliotheca	2	\$ 7,935	\$ 15,870	\$ 1,034	\$ 2,069	03/2023	3	7	03/2030	▶ 3	\$ 8,332	\$ 16,664	
Print Release Stations (PRS)	Envisionware X11 Kiosk	3	\$ 7,095	\$ 21,285		\$ -	10/2023	2	7	10/2030	▶ 4	\$ 7,450	\$ 22,349	
Coin and Bill Acceptor (CBA)	Jamex (Envisionware)	3	\$ 1,895	\$ 5,685		\$ -	04/2016	10	10	04/2026	Past due	\$ 1,990	\$ 5,969	
RFID Gates	3M (Bibliotheca) 9102	2	\$ 9,375	\$ 18,750	\$ 1,194	\$ 2,388	08/2016	9	10	08/2026	▶ 0	\$ 9,844	\$ 19,688	
RFID Pads STF WKSTN:896	3M (Bibliotheca)	6	\$ 1,095	\$ 6,570	\$ 450	\$ 2,700	08/2016	9	10	08/2026	▶ 0	\$ 1,150	\$ 6,899	
<b>TOTAL</b>		<b>305</b>											<b>\$ 1,369,697</b>	

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date Purchased	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Yrs	Date	Years left	Per Unit	Total
<b>HILLSDALE</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031		\$ 641	\$ 641
Wireless Access Points (APs) Indoor	Extreme Networks	2	\$ 630	\$ 1,260	\$ 156	\$ 312	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,323
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	1	\$ 1,200	\$ 1,200	\$ 156	\$ 156	10/2020	5	6	10/2026	▶ 0	\$ 1,260	\$ 1,260
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check 500-Fixed height	Bibliotheca	2	\$ 7,935	\$ 15,870	\$ 1,299	\$ 2,598	03/2023	3	7	03/2030	▶ 3	\$ 8,332	\$ 16,664
Print Release Stations (PRS)	Envisionware X11 Kiosk	1	\$ 7,095	\$ 7,095		\$ -	10/2023	2	7	10/2030	▶ 4	\$ 7,450	\$ 7,450
Coin and Bill Acceptor (CBA)	Jamex (Envisionware)	1	\$ 1,895	\$ 1,895		\$ -	11/2015	10	10	11/2025	Past due	\$ 1,990	\$ 1,990
RFID Gates	3M (Bibliotheca) 9101	1	\$ 1,895	\$ 1,895		\$ -	08/2016	9	10	08/2026	▶ 0	\$ 1,990	\$ 1,990
RFID Gates	3M (Bibliotheca) 9102	1	\$ 9,375	\$ 9,375	\$ 1,194	\$ 1,194	08/2016	9	10	08/2026	▶ 0	\$ 9,844	\$ 9,844
RFID Pads STF WKSTN:896	3M (Bibliotheca)	3	\$ 1,095	\$ 3,285	\$ 450	\$ 1,350	08/2016	9	10	08/2026	▶ 0	\$ 1,150	\$ 3,449
<b>TOTAL</b>		<b>19</b>											<b>\$ 46,709</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Yrs	Estimated - EOL		Est Replacement Cost		
			Per Unit	Total	Per Unit	Total				Purchased	Date	Years left	Per Unit	Total
<b>MARINA</b>														
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050	
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641	
Wireless Access Points (APs) Indoor	Extreme Networks	2	\$ 630	\$ 1,260	\$ 156	\$ 312	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,323	
Wireless Access Points (APs) Outdoor	Extreme Networks	1	\$ 1,200	\$ 1,200	\$ 156	\$ 156	10/2020	5	6	10/2026	▶ 0	\$ 1,260	\$ 1,260	
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050	
Self-Check 500-Fixed height	Bibliotheca	2	\$ 7,935	\$ 15,870	\$ 1,299	\$ 2,598	03/2023	3	7	03/2030	▶ 3	\$ 8,332	\$ 16,664	
Print Release Stations (PRS)	Envisionware X11 Kiosk	1	\$ 7,095	\$ 7,095		\$ -	10/2023	2	7	10/2030	▶ 4	\$ 7,450	\$ 7,450	
Coin and Bill Acceptor (CBA)	Jamex (Envisionware)	1	\$ 1,895	\$ 1,895		\$ -	10/2016	9	10	10/2026	▶ 0	\$ 1,990	\$ 1,990	
RFID Gates	3M (Bibliotheca) 9102	1	\$ 9,375	\$ 9,375	\$ 1,194	\$ 1,194	08/2016	9	10	08/2026	▶ 0	\$ 9,844	\$ 9,844	
RFID Pads STF WKSTN:896	Heartland (Envisionware)	3	\$ 1,095	\$ 3,285	\$ 450	\$ 1,350	08/2016	9	10	08/2026	▶ 0	\$ 1,150	\$ 3,449	
<b>TOTAL</b>		<b>14</b>											<b>\$ 44,720</b>	

<b>SMPL - GRAND TOTAL</b>		<b>338</b>											<b>\$ 1,461,125</b>
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### San Mateo County Libraries - Equipment Inventory

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>COUNTY OFFICES</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	2	\$ 610	\$ 1,220	\$ 100	\$ 200	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 1,281
Wireless Access Points (APs) Indoor	Extreme Networks	5	\$ 630	\$ 3,150	\$ 156	\$ 780	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 3,308
Wireless Access Points (APs) Outdoor	Extreme Networks	3	\$ 630	\$ 1,890	\$ 156	\$ 468	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,985
<b>TOTAL</b>		<b>11</b>											<b>\$ 7,623</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>ATHERTON</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	3	\$ 610	\$ 1,830	\$ 100	\$ 300	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 1,922
Wireless Access Points (APs) Indoor	Extreme Networks	6	\$ 630	\$ 3,780	\$ 156	\$ 936	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 3,969
Wireless Access Points (APs) Indoor	Extreme Networks	2	\$ 630	\$ 1,260	\$ 156	\$ 312	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,323
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	1	\$ 1,200	\$ 1,200	\$ 156	\$ 156	12/2020	5	6	12/2026	▶ 0	\$ 1,260	\$ 1,260
Automated Material Handling (AMH)	Lyngsoe	1	\$ 90,607	\$ 90,607	\$ 6,175	\$ 6,175	05/2021	4	10	05/2031	▶ 5	\$ 95,137	\$ 95,137
Envisionware Management Console	Envisionware	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware X11	4	\$ 3,950	\$ 15,800	\$ 1,034	\$ 4,138	06/2021	4	7	06/2028	▶ 2	\$ 4,148	\$ 16,590
Coin and Bill Acceptor (CBA)	Envisionware	1	\$ 3,295	\$ 3,295		\$ -	09/2021	4	10	09/2031	▶ 5	\$ 3,460	\$ 3,460
RFID Pads (DiscReaderS#)	Envisionware	4	\$ 429	\$ 1,716	0	\$ -	06/2021	4	10	06/2031	▶ 5	\$ 450	\$ 1,802
<b>TOTAL</b>		<b>35</b>											<b>\$ 127,562</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>BELMONT</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	4	\$ 610	\$ 2,440	\$ 100	\$ 400	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 2,562
Wireless Access Points (APs) Indoor	Extreme Networks	5	\$ 630	\$ 3,150	\$ 156	\$ 780	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 3,308
Wireless Access Points (APs) Indoor	Extreme Networks	3	\$ 630	\$ 1,890	\$ 156	\$ 468	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,985
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	4	\$ 1,200	\$ 4,800		\$ -	12/2020	5	6	12/2026	▶ 0	\$ 1,260	\$ 5,040
Automated Material Handling (AMH)	Lyngsoe	1	\$ 119,854	\$ 119,854	\$ 14,853	\$ 14,853	12/2018	7	10	12/2028	▶ 2	\$ 125,847	\$ 125,847
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware	4	\$ 3,500	\$ 14,000	\$ 1,034	\$ 4,138	05/2022	3	7	05/2029	▶ 3	\$ 3,675	\$ 14,700
Coin and Bill Acceptor (CBA)	Envisionware	1	\$ 1,895	\$ 1,895		\$ -	10/2015	10	10	10/2025	Past due	\$ 1,990	\$ 1,990
<b>TOTAL</b>		<b>31</b>											<b>\$ 157,530</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost		
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit	Total
<b>BRISBANE</b>														
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050	
Switches	Fortinet	2	\$ 610	\$ 1,220	\$ 100	\$ 200	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 1,281	
Wireless Access Points (APs) Indoor	Extreme Networks	4	\$ 630	\$ 2,520	\$ 156	\$ 624	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 2,646	
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	2	\$ 1,200	\$ 2,400	\$ 156	\$ 312	12/2020	5	6	12/2026	▶ 0	\$ 1,260	\$ 2,520	
Automated Material Handling (AMH)	Lyngsoe	1	\$ 118,968	\$ 118,968	\$ 14,853	\$ 14,853	07/2020	5	10	07/2030	▶ 4	\$ 124,916	\$ 124,916	
Envisionware Management Console	Envisionware	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050	
Self-Check - Countertop	Envisionware X11	4	\$ 3,950	\$ 15,800	\$ 1,034	\$ 4,138	10/2019	6	7	10/2026	▶ 0	\$ 4,148	\$ 16,590	
Coin and Bill Acceptor (CBA)	Envisionware	1	\$ 2,875	\$ 2,875		\$ -	11/2015	10	10	11/2025	Past due	\$ 3,019	\$ 3,019	
RFID Pads (1-PadS#)	Envisionware	4	\$ 590	\$ 2,360		\$ -	10/2019	6	10	10/2029	▶ 3	\$ 620	\$ 2,478	
RFID Pads (DiscReaderS#)	Envisionware	4	\$ 295	\$ 1,180		\$ -	03/2021	5	10	03/2031	▶ 4	\$ 310	\$ 1,239	
<b>TOTAL</b>		<b>35</b>											<b>\$ 156,789</b>	

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>EAST PALO ALTO</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	2	\$ 610	\$ 1,220	\$ 100	\$ 200	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 1,281
Wireless Access Points (APs) Indoor	Extreme Networks	4	\$ 630	\$ 2,520	\$ 156	\$ 624	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 2,646
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	2	\$ 1,200	\$ 2,400		\$ -	12/2020	5	6	12/2026	▶ 0	\$ 1,260	\$ 2,520
Wireless Access Points (APs) Indoor	Extreme Networks	1	\$ 630	\$ 630	\$ 156	\$ 156	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 662
Envisionware Management Console	Envisionware	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware X11	2	\$ 3,500	\$ 7,000	\$ 1,034	\$ 2,069	03/2021	5	7	03/2028	▶ 1	\$ 3,675	\$ 7,350
Coin and Bill Acceptor (CBA)	Jamex (envisionware)	1	\$ 1,895	\$ 1,895		\$ -	11/2015	10	10	11/2025	Past due	\$ 1,990	\$ 1,990
<b>TOTAL</b>		<b>17</b>											<b>\$ 18,548</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>FOSTER CITY</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	3	\$ 610	\$ 1,830	\$ 100	\$ 300	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 1,922
Wireless Access Points (APs) Indoor	Extreme Networks	11	\$ 630	\$ 6,930	\$ 156	\$ 1,716	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 7,277
Automated Material Handling (AMH)	Lyngsoe	1	\$ 235,992	\$ 235,992	\$ 15,439	\$ 15,439	12/2018	7	10	12/2028	▶ 2	\$ 247,792	\$ 247,792
Envisionware Management Console	Envisionware	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware	5	\$ 3,500	\$ 17,500	\$ 1,034	\$ 5,172	07/2022	3	7	07/2029	▶ 3	\$ 3,675	\$ 18,375
Coin and Bill Acceptor (CBA)	Jamex (Envisionware)	1	\$ 1,895	\$ 1,895		\$ -	11/2015	10	10	11/2025	Past due	\$ 1,990	\$ 1,990
RFID Pads STF WKSTN:896	3M (Bibliotheca)	3	\$ 1,095	\$ 3,285	\$ 450	\$ 1,350	02/2011	15	10	02/2021	Past due	\$ 1,150	\$ 3,449
<b>TOTAL</b>		<b>38</b>											<b>\$ 283,433</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>HALF MOON BAY</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	4	\$ 610	\$ 2,440	\$ 100	\$ 400	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 2,562
Wireless Access Points (APs) Indoor	Extreme Networks	9	\$ 630	\$ 5,670	\$ 156	\$ 1,404	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 5,954
Wireless Access Points (APs) Indoor	Extreme Networks	2	\$ 630	\$ 1,260	\$ 156	\$ 312	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,323
Wireless Access Points (APs) Outdoor	Extreme Networks AP1130	2	\$ 1,200	\$ 2,400	\$ 156	\$ 312	01/2018	8	6	01/2024	Past due	\$ 1,260	\$ 2,520
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	2	\$ 1,200	\$ 2,400	\$ 156	\$ 312			6			\$ 1,260	\$ 2,520
Automated Material Handling (AMH)	Lyngsoe	1	\$ 177,514	\$ 177,514	\$ 5,931	\$ 5,931	07/2017	8	10	07/2027	▶ 1	\$ 186,390	\$ 186,390
Envisionware Management Console	Envisionware	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware	4	\$ 3,500	\$ 14,000	\$ 1,034	\$ 4,138	06/2012	13	7	06/2019	Past due	\$ 3,675	\$ 14,700
Coin and Bill Acceptor (CBA)	Envisionware	2	\$ 2,565	\$ 5,130		\$ -	05/2018	7	10	05/2028	▶ 2	\$ 2,693	\$ 5,387
<b>TOTAL</b>		<b>39</b>											<b>\$ 223,455</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>MILLBRAE</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	5	\$ 610	\$ 3,050	\$ 100	\$ 500	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 3,203
Wireless Access Points (APs) Indoor	Extreme Networks	8	\$ 630	\$ 5,040	\$ 156	\$ 1,248	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 5,292
Wireless Access Points (APs) Outdoor	Extreme Networks P460C	3	\$ 1,200	\$ 3,600		\$ -	12/2020	5	6	12/2026	▶ 0	\$ 1,260	\$ 3,780
Automated Material Handling (AMH)	Lyngsoe	1	\$ 143,765	\$ 143,765	\$ 14,853	\$ 14,853	12/2018	7	10	12/2028	▶ 2	\$ 150,953	\$ 150,953
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware	4	\$ 3,500	\$ 14,000	\$ 1,034	\$ 4,138	05/2022	3	7	05/2029	▶ 3	\$ 3,675	\$ 14,700
Coin and Bill Acceptor (CBA)	Jamex (Envisionware)	1	\$ 1,895	\$ 1,895		\$ -	10/2015	10	10	10/2025	Past due	\$ 1,990	\$ 1,990
RFID Pads STF WKSTN:896	Verifone 915	3	\$ 504	\$ 1,512		\$ -	10/2015	10	10	10/2025	Past due	\$ 529	\$ 1,588
<b>TOTAL</b>		<b>40</b>											<b>\$ 183,605</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>NORTH FAIR OAKS</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641
Wireless Access Points (APs) Indoor	Extreme Networks	3	\$ 630	\$ 1,890	\$ 156	\$ 468	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,985
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	1	\$ 1,200	\$ 1,200		\$ -	12/2020	5	6	12/2026	▶ 0	\$ 1,260	\$ 1,260
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Kiosk	Envisionware	1	\$ 4,950	\$ 4,950	\$ 1,299	\$ 1,299	05/2020	5	7	05/2027	▶ 1	\$ 5,198	\$ 5,198
<b>TOTAL</b>		<b>11</b>											<b>\$ 11,183</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>PACIFICA-SANCHEZ</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641
Wireless Access Points (APs) Indoor	Extreme Networks	3	\$ 630	\$ 1,890	\$ 156	\$ 468	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,985
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	3	\$ 1,200	\$ 3,600		\$ -	12/2020	5	6	12/2026	▶ 0	\$ 1,260	\$ 3,780
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware X11	2	\$ 3,500	\$ 7,000	\$ 1,034	\$ 2,069	10/2021	4	7	10/2028	▶ 2	\$ 3,675	\$ 7,350
Coin and Bill Acceptor (CBA)	Envisionware	1	\$ 1,885	\$ 1,885		\$ -	11/2015	10	10	11/2025	Past due	\$ 1,979	\$ 1,979
<b>TOTAL</b>		<b>20</b>											<b>\$ 17,834</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>PACIFICA-SHARP PARK</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641
Wireless Access Points (APs) Indoor	Extreme Networks	4	\$ 630	\$ 2,520	\$ 156	\$ 624	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 2,646
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	1	\$ 1,200	\$ 1,200		\$ -	12/2020	5	6	12/2026	▶ 0	\$ 1,260	\$ 1,260
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware	1	\$ 3,500	\$ 3,500	\$ 1,034	\$ 1,034	06/2022	3	7	06/2029	▶ 3	\$ 3,675	\$ 3,675
Coin and Bill Acceptor (CBA)	Envisionware	1	\$ 1,895	\$ 1,895		\$ -	11/2015	10	10	11/2025	Past due	\$ 1,990	\$ 1,990
RFID Pads STF WKSTN:896	Verifone 915	1	\$ 504	\$ 504		\$ -	11/2015	10	10	11/2025	Past due	\$ 529	\$ 529
<b>TOTAL</b>		<b>16</b>											<b>\$ 12,840</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>PORTOLA VALLEY</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641
Wireless Access Points (APs) Indoor	Extreme Networks	3	\$ 630	\$ 1,890	\$ 156	\$ 468	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 1,985
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	2	\$ 1,200	\$ 2,400		\$ -	12/2020	5	6	12/2026	▶ 0	\$ 1,260	\$ 2,520
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware	1	\$ 3,500	\$ 3,500	\$ 1,034	\$ 1,034	06/2012	13	7	06/2019	Past due	\$ 3,675	\$ 3,675
Coin and Bill Acceptor (CBA)	Envisionware	1	\$ 1,895	\$ 1,895		\$ -	11/2015	10	10	11/2025	Past due	\$ 1,990	\$ 1,990
RFID Pads STF WKSTN:896	Verifone 915	1	\$ 504	\$ 504		\$ -	11/2015	10	10	11/2025	Past due	\$ 529	\$ 529
<b>TOTAL</b>		<b>15</b>											<b>\$ 13,439</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>SAN CARLOS</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	4	\$ 610	\$ 2,440	\$ 100	\$ 400	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 2,562
Wireless Access Points (APs) Indoor	Extreme Networks	7	\$ 630	\$ 4,410	\$ 156	\$ 1,092	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 4,631
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	4	\$ 1,200	\$ 4,800		\$ -	12/2020	5	6	12/2026	▶ 0	\$ 1,260	\$ 5,040
Automated Material Handling (AMH)	Lyngsoe	1	\$ 129,065	\$ 129,065	\$ 14,853	\$ 14,853	12/2018	7	10	12/2028	▶ 2	\$ 135,518	\$ 135,518
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware X11	4	\$ 3,500	\$ 14,000	\$ 1,034	\$ 4,138	06/2012	13	7	06/2019	Past due	\$ 3,675	\$ 14,700
Print Release Stations (PRS)	Envisionware X11	1	\$ 4,855	\$ 4,855		\$ -	09/2012	13	7	09/2019	Past due	\$ 5,098	\$ 5,098
Coin and Bill Acceptor (CBA)	Envisionware	1	\$ 1,895	\$ 1,895		\$ -	11/2015	10	10	11/2025	Past due	\$ 1,990	\$ 1,990
<b>TOTAL</b>		<b>40</b>											<b>\$ 171,638</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>WOODSIDE</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	1	\$ 610	\$ 610	\$ 100	\$ 100	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 641
Wireless Access Points (APs) Indoor	Extreme Networks	4	\$ 630	\$ 2,520	\$ 156	\$ 624	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 2,646
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	2	\$ 861	\$ 1,722		\$ -	12/2020	5	6	12/2026	▶ 0	\$ 904	\$ 1,808
	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
	Envisionware	2	\$ 3,500	\$ 7,000	\$ 1,034	\$ 2,069	06/2012	13	7	06/2019	Past due	\$ 3,675	\$ 7,350
<b>TOTAL</b>		<b>19</b>											<b>\$ 14,545</b>

<b>SMCL - GRAND TOTAL</b>		<b>367</b>											<b>\$ 1,400,025</b>
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### South San Francisco Libraries - Equipment Inventory

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>MAIN</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	5	\$ 610	\$ 3,050	\$ 100	\$ 500	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 3,203
Wireless Access Points (APs) Indoor	Extreme Networks	21	\$ 630	\$ 13,230	\$ 156	\$ 3,276	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 13,892
Wireless Access Points (APs) Outdoor	Extreme Networks AP460C	6	\$ 1,200	\$ 7,200	\$ 156	\$ 936	08/2022	3	6	08/2028	▶ 2	\$ 1,260	\$ 7,560
Automated Material Handling (AMH)	3M (Bibliotheca)	1	\$ 308,000	\$ 308,000	\$ 14,853	\$ 14,853	05/2023	2	10	05/2033	▶ 7	\$ 323,400	\$ 323,400
Envisionware Management Console	Envisionware	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - X11 Countertop	Envisionware	1	\$ 3,500	\$ 3,500	\$ 1,034	\$ 1,034	11/2022	3	7	11/2029	▶ 3	\$ 3,675	\$ 3,675
Self-Check - X11 Kiosk	Envisionware	1	\$ 4,550	\$ 4,550	\$ 1,299	\$ 1,299	11/2022	3	7	11/2029	▶ 3	\$ 4,778	\$ 4,778
Self-check - X11 Cash Vending Kiosk	Envisionware	4	\$ 7,095	\$ 28,380		\$ -	11/2022	3	7	11/2029	▶ 3	\$ 7,450	\$ 29,799
RFID Gate-1 Aisle	Envisionware	1	\$ 3,995	\$ 3,995	\$ 1,194	\$ 1,194	11/2022	3	10	11/2032	▶ 6	\$ 4,195	\$ 4,195
RFID Gate-2 Aisle Transparent 3D	Envisionware	1	\$ 7,995	\$ 7,995	\$ 1,194	\$ 1,194	11/2022	3	10	11/2032	▶ 6	\$ 8,395	\$ 8,395
RFID Gate-2 Aisle radar people counter	Envisionware	1	\$ 7,995	\$ 7,995	\$ 1,194	\$ 1,194	11/2022	3	10	11/2032	▶ 6	\$ 8,395	\$ 8,395
RFID Gate-1 wide Aisle with radar	Envisionware	1	\$ 8,100	\$ 8,100	\$ 1,194	\$ 1,194	11/2022	3	10	11/2032	▶ 6	\$ 8,505	\$ 8,505
RFID Pads STF WKSTN:896	Envisionware	6	\$ 1,095	\$ 6,570	\$ 450	\$ 2,700	02/2011	15	10	02/2021	Past due	\$ 1,150	\$ 6,899
<b>TOTAL</b>		<b>177</b>											<b>\$ 428,773</b>

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of Service	Estimated - EOL			Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Yrs	Date	Years left	Per Unit
<b>GRAND</b>													
Routers	Cisco	1	\$ 1,000	\$ 1,000	\$ 619	\$ 619	10/2022	3	7	10/2029	▶ 3	\$ 1,050	\$ 1,050
Switches	Fortinet	2	\$ 610	\$ 1,220	\$ 100	\$ 200	10/2024	1	7	10/2031	▶ 5	\$ 641	\$ 1,281
Wireless Access Points (APs)	Extreme Networks	4	\$ 630	\$ 2,520	\$ 156	\$ 624	10/2024	1	6	10/2030	▶ 4	\$ 662	\$ 2,646
Wireless Access Points (APs) Outdoor	Extreme Networks AP1130	1	\$ 1,200	\$ 1,200		\$ -	12/2020	5	6	12/2026	▶ 0	\$ 1,260	\$ 1,260
Envisionware Management Console	Dell	1	\$ 1,000	\$ 1,000	\$ 80	\$ 80	11/2020	5	5	11/2025	Past due	\$ 1,050	\$ 1,050
Self-Check - Countertop	Envisionware X11	1	\$ 3,950	\$ 3,950	\$ 1,034	\$ 1,034	07/2021	4	7	07/2028	▶ 2	\$ 4,148	\$ 4,148
Self-Check - Kiosk	Envisionware X11	1	\$ 7,595	\$ 7,595	\$ 1,299	\$ 1,299	07/2021	4	7	07/2028	▶ 2	\$ 7,975	\$ 7,975
RFID Gates	3M (Bibliotheca) 9101, single	1	\$ 8,295	\$ 8,295		\$ -	02/2011	15	10	02/2021	Past due	\$ 8,710	\$ 8,710
RFID Pads STF WKSTN:896	3M (Bibliotheca) 9102 Dual	2	\$ 1,095	\$ 2,190	\$ 1,194	\$ 2,388	02/2011	15	10	02/2021	Past due	\$ 1,150	\$ 2,300
Credit Card (CC) Terminals	EnvisionWare MX915	2	\$ 504	\$ 1,008		\$ -	07/2021	4	10	07/2031	▶ 5	\$ 529	\$ 1,058
<b>TOTAL</b>		<b>20</b>											<b>\$ 31,477</b>

<b>SSF - GRAND TOTAL</b>		<b>197</b>											<b>\$ 460,250</b>
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**PLS Central AMH - Delivery**

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of	Estimated - EOL		d Of Life (EOL)	Est Replacement Cost		Upgrade
			Per Unit	Total	Per Unit	Total			Purchased	Service		Yrs	Date	
Automated Material Handling (AMH)	3M (Bibliotheca)	1	\$ 246,257	\$ 246,257	\$ 14,853	\$ 14,853	01/2017	9	10	01/2027	0	\$ 440,000	\$ 440,000	
<b>TOTAL</b>		<b>1</b>		<b>\$246,257</b>									<b>\$ 440,000</b>	

**Datacenter - Equipment Inventory**

Equipment Type	Vendor	Qty	Purchase Price		Annual Warranty Cost		Date	Years of	Estimated - EOL		Years left	Est Replacement Cost		Upgrade
			Per Unit	Total	Per Unit	Total			Purchased	Service		Yrs	Date	
Firewall (FG400-F)	Fortinet	1	\$33,915	\$ 33,915	\$ -	\$ -	01/2026	0	7	01/2033	6	\$ 35,611	\$ 35,611	FY 32/33
IPS (FG201-E)	Fortinet	1	\$9,142	\$ 9,142	\$ 2,154	\$ 2,154	05/2018	7	12	05/2030	4	\$ 9,599	\$ 9,599	FY 29/30
Firewall Log Collector Server (FortiAnalyzer)	Fortinet	1	\$1,188	\$ 1,188	\$ 886	\$ 886	05/2018	7	12	05/2030	4	\$ 1,247	\$ 1,247	FY 29/30
VPN MFA Server (FortiAuthenticator)	Fortinet	2	\$2,180	\$ 4,360	\$ 357	\$ 714	05/2023	2	12	05/2035	9	\$ 2,289	\$ 4,578	FY 34/35
EDR (FortiEDR)	Fortinet	1	\$18,600	\$ 18,600	\$ 9,591	\$ 9,591	07/2023	2	12	07/2035	9	\$ 19,530	\$ 19,530	FY 35/36
AV (FortiClient Cloud AV)	Fortinet	1	\$5,400	\$ 5,400	\$ 3,682	\$ 3,682	06/2024	1	12	06/2036	10	\$ 5,670	\$ 5,670	FY 35/36
Core Network Switches	Cisco	2	\$11,426	\$ 22,852	\$ -	\$ -	11/2021	4	7	11/2028	2	\$ 11,997	\$ 23,994	FY 28/29
VM Host Servers	Dell	3	\$18,843	\$ 56,529	\$ -	\$ -	08/2025	0	6	08/2031	5	\$ 19,785	\$ 59,355	FY 31/32
Backup Appliance	Baracuda	1	\$7,275	\$ 7,275	\$ 13,300	\$ 13,300	02/2025	1	5	02/2030	3	\$ 7,638	\$ 7,638	FY 29/30
UPS	Eaton	2	\$31,477	\$ 62,953	\$ 2,900	\$ 5,800	07/2019	6	7	07/2026	0	\$ 33,050	\$ 66,101	FY26/27
iTiva Server	Dell	1	\$3,355	\$ 3,355	\$ -	\$ -	12/2018	7	7	12/2025	Past due	\$ 3,522	\$ 3,522	FY25/26
<b>Total</b>				<b>\$225,568</b>		<b>\$ 36,127</b>						<b>Est. Required Reserve</b>	<b>\$ 236,846</b>	

**PLS Office - Equipment Inventory**

Equipment Type	Vendor	Quantity	Purchase Price		Annual Warranty Cost		Date	Years of	EOL		Est Replacement Cost	
			Per Unit	Total	Per Unit	Total			Purchased	Service	Estimated	Actual
Switches	Fortinet	2	\$ 608	\$ 1,216	\$ 255	\$ 511	04/2025	1	04/2030		\$ 750	\$ 1,500
Wireless Access Points (APs) Indoor	Extreme Networks	4	\$ 631	\$ 2,524	\$ 105	\$ 420	01/2025	1	01/2030		\$ 750	\$ 3,000
<b>TOTAL</b>				<b>\$ 3,740</b>								

Services/Contracts	Vendor Name	Quantity	Cost			Date	Years of	EOL	Est Replacement Cost
			Months	Monthly	Annual				
1GB network circuit	CENIC	1	12	\$ 200	\$ 2,400				
DSL circuit	Comcast	1	12	\$ 79	\$ 948				
PLS Office VoIP Phone System	Wildex		12	\$ 560	\$ 6,720	12/2023		3 year contract paid in full-started 01/2024 and ends 01/2027	
<b>Total</b>					<b>\$ 10,068</b>				

## Peninsula Library System

<b>Month</b>	<b>Standing Items</b>
All	PLAN Report and Update
All	System Chair Report
All	Administration Report
<b>Month</b>	<b>Annual Items</b>
February	CLA Day in the District
February	PLAN Preliminary Budget and Formula for FY 20XX-20XX
February	PLS Delivery Services Preliminary Budget and Formula for FY 20XX-20XX
February	Executive Director/PLP CEO Annual Review
February	Mid-Year Report from eBook Chair
April	Review and Approval of Summer Learning Budget
April	PLCAF and YANovCon Budget Recommendations from YSWG
April	Executive and Council Election/Rotation
April	PLS Budget Projections (as requested)
June	PLS Audit Review
June	Approval of PLS FY 20XX-XX Budget
June	Approval of PLS FY 20XX-XX Meeting Schedule
June	Summer Learning Update, PLCAF Report
June	End-of-Year Financial and Rotation Update from eBook Chair
October	Budget Update (if needed)
October	Summer Learning Report, SMCR Report (depending on program date)
December	Youth Services Annual Report
December	Circulation Managers Annual Report
<b>Month</b>	<b>Additional Upcoming Items</b>