

Pennsylvania Municipal League

# Cyber Security Overview

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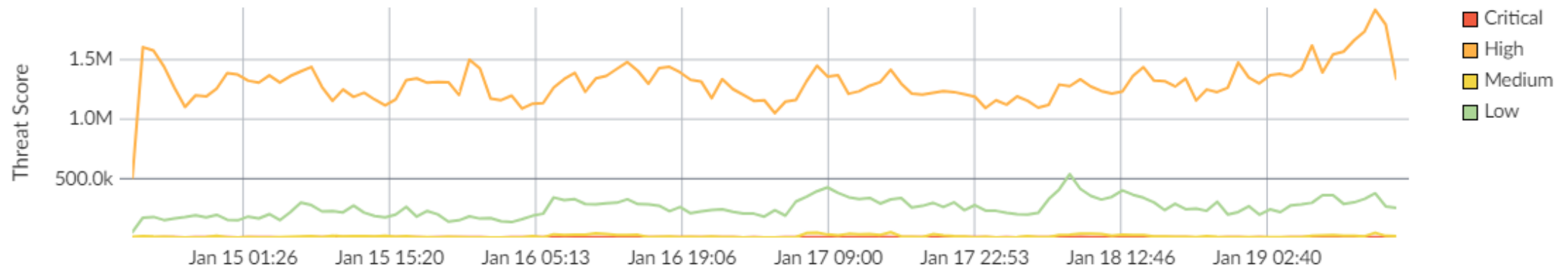
City of Reading

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# 5-day snapshot from firewalls

All Devices ▾ Last N Days ▾ N = 5 2024-01-14 15:42:00 - 2024-01-19 15:42:00

## Top Threats



Threat	Threat Type	CVE ID	Threat Score	Threat Level	Incidents
udp_flood	IPS		281,050	Critical	5,621
icmp_flood	IPS		350	Critical	7
blocked-connection	Blocked by Firewall Policy		147,736,830	High	4,924,561

# City Overview

- 550 users
- 9 Information Technology employees
- 15 sites

# Security Requirements

- Criminal Justice Information Security (CJIS) compliant
- Insurance

# Systems put into place

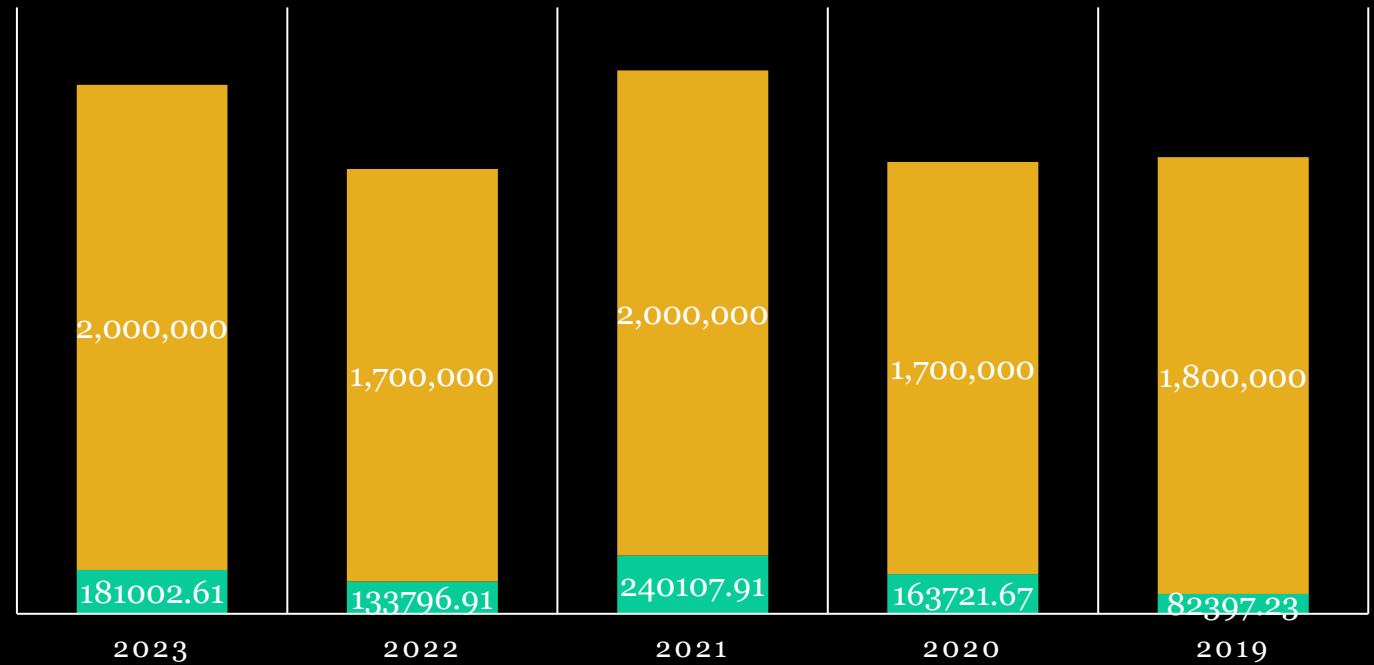
- Firewalls
  - Yearly renewals for Antivirus, Web filtering, Intrusion Prevention (IPS)
- Intrusion detection system (IDS) - Insurance
- System to record all windows event logs from servers and PCs - CJIS
- Multi Factor/Dual Authentication – CJIS and Insurance
- Endpoint Detection and Response, with Managed monitoring (EDR)
- Automatic server and endpoint patching – CJIS and Insurance
- Network Access Control (NAC) - CJIS
- Antivirus, email filtering, email archiving, vulnerability scanning
- Yearly end user training required. Monthly quizzes available – CJIS and Insurance
- Yearly security scans, penetration testing – CJIS and Insurance
- Disaster recovery testing

# Yearly budget

Year	Budget spent on Security	Dept Budget	Percent
2023	181002.61	2,000,000	9
2022	133796.91	1,700,000	8
2021	240107.91	2,000,000	12
2020	163721.67	1,700,000	10
2019	82397.23	1,800,000	5

## CHART TITLE

■ Dollars spent on Security ■ IT yearly Budget



# Things I would suggest:

- A way to find out how breaches happened
  - Would allow others to use as a learning experience
- Grants for managed services (monitoring from an outside company)
- Keep PLC networks off the internet
  - Use private point to point connections
- More Governor's Office of Homeland Cyber Security Events
  - 7th Annual Risk and Security Management Symposium in Pittsburgh
- Auditing from larger municipalities