Title: Information Security Officer

Description of Request:

Full-time position dedicated to cybersecurity issues for our city and county technology infrastructure .

Justification:

There are several reasons this position is required.

1.   This position would improve our overall security posture by having one person responsible for our cyber security. This position will work with our SOCaaS daily to ensure we are effectively managing detection and response threats.
2.   This position addresses requirements of the entire security assessment and items 1-4,8-10,19,24-28, 31, and 48, of the IT Assessment.
3.   There are five to seven thousand new software vulnerabilities every year with which IT&S must be familiar in order to effectively protect City and County digital assets. A critical success factor for such an involved work effort is the provision of a full-time cybersecurity officer. Below is a link to "12 things a cyber security professional needs to know."

https://www.csoonline.com/article/3297944/12-things-every-it-security-professional-should-know.html

4.   It is vital to the safety and protection of all City and County digital assets that IT&S have a dedicated full-time resource capable of remaining aware of all constantly emerging threats that can potentially invade our digital environment. This individual will need to regularly work in conjunction with security assets from the State of Montana, Local Governments, Federal Government, Security Vendors, and international cybersecurity entities.
5.   This position will help us increase our work efforts to continuously develop relevant and strong security policies, training, as well as a more robust and secure IT environment for all City and County stakeholders.
6.   They will work with network staff to lower our security risks and build risk assessments based on cybersecurity good practices to help us identify mitigation tasks and ensure those risks have been effectively addressed through said processes.
7.   When a cybersecurity incident does occur, they will lead the internal forensic investigation and any potential need for remediation activities.
8.   .   The most recent cybersecurity event overwhelmed our staff as we had to take immediate security action on thirteen machines. Therefore, it is critical this position be added in conjunction with a new HelpDesk position. Both positions are necessary to bring our security posture to a bare minimum level of safe staffing in order to effectively address future cybersecurity incidents.

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9. This role will require reporting to the appropriate levels of management to include the state and federal level.

10. In addition to daily duties above, this position will provide security training for IT staff and the City/County user community.

11. The critical importance of Cybersecurity will be brought to the forefront of the enterprise and will be emphasized accordingly.

12. This position will be consistently focused on cybersecurity. They will work with security vendors on PCI compliance, HIPAA compliance, CJIS compliance, and prepare us for future security assessments.

13. If this role is not funded nor approved, our enterprise will face a high risk for security events that current IT&S staff will not be able to mitigate without extensive and high cost outside support. We would continue to remain out of regulatory compliance on multiple levels. We would also need to continue utilizing the vCISO program with a minimum cost of $100,296 annually. It is further important to note that the vCISO program does not provide for daily interaction with IT staff that is a necessary good practice for successful cybersecurity operations.

Projected Cost:

Year 1: $94,000-$97,000 with an additional $4500 for computer and office equipment

Ongoing: $94,000-$97,000 adjusted for annual matrix increases per county operations

Contact Information:

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Other Stakeholders supporting this request:

Dawn Temple – Montana Department of Justice Cybersecurity team

Mike Glass – Senior Network Operations Manager

John Ortman - Senior Network Operations Manager

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