

Strategic Lean Project Report



Network Migration and Upgrade

Agency: Puget Sound Partnership

Partners and Customers: WaTech, Recreation and Conservation Office IT staff, and Partnership staff.

Project Impact

Improved network operations. This project produced cost savings due to decreased staffing hours, and created a more reliable and secure network.

Project Summary

The Partnership's IT infrastructure network was administratively demanding to operate, was beginning to be unreliable, had potential security vulnerabilities and was subject to a single point of failure due to outdated network topology and equipment.

The goal was to create a system that would meet Information Technology Infrastructure Library (ITIL) standard network requirements by June 1, 2018.

By working with WaTech and RCO staff, the Partnership was able to implement the following improvements:

- Industry standard network architecture and layout
- Reduced staff hours to manage the network
- Increased network security

Project Results



Safety

Increased security by instituting best practices for securing the network from unsecure connections to achieve compliance with Office of the Chief Information Officer (OCIO) network operating procedures.



CERT testing and OCIO compliance show alignment with State operating requirements.



Cost

Decreased network administrative overhead **from** 2.5 FTE's **to** 1.2 FTE's.



Network reliance on FTE's to support older infrastructure was reduced through upgrading equipment and automating management.



Quality

Increased connectivity and usability **from** Generation 6 servers running Linux Operating Systems **to** Generation 8/9 HP servers running Microsoft Windows Server 2012.



Network speeds have increased along with security. The biggest impact is the manageability and speed of the new servers hosting our websites.



Time

Decreased administrative times **from** 2-3 hours **to** less than 1 hour, on average, for most tasks.



Recouped time can now be applied to different activities, instead of server administration.

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Project Details

Date improvement project was initiated: 6/1/2016

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