

Authorizing an Amendment to the Shared Service Agreement with Freehold Township for Information Technology Consulting Services to Include the Programming and Installation of Police Department Servers

WHEREAS, pursuant to the Uniform Shared Services and Consolidation Act, N.J.S.A. 40A:65-1 et seq. local units of government may enter into shared services agreements to provide services that each municipality is authorized to provide; and

WHEREAS, in October 2024, pursuant to Resolution no. 312-10.24, the Township Council authorized a Shared Services Agreement with the Township of Freehold for Level III Project Support while both municipalities further explored an optimal combination of services that would expedite the implementation of the Township's IT goals; and

WHEREAS, in June 2025, the Township of Freehold provided a proposal to provide Non-Police Level I Base Support, Non-Police Level II Networking Support and Police Level II Networking Support in the amount of \$15,380.00 per month; and

WHEREAS, in June 2025, pursuant to Resolution no. 223-6.25, the Township Council authorized a Shared Services Agreement with the Township of Freehold for Non-Police Level I Base Support, Non-Police Level II Networking Support and Police Level II Networking Support; and

WHEREAS, it was advised by Freehold Township in their capacity as the Township's managed services provider that the Police servers be upgraded and replaced in order to create a reliable and resilient virtual infrastructure to enhance performance and simplify management; and

WHEREAS, Freehold Township has furnished the attached Level III Project Support proposal to procure, program, and install the abovementioned servers for \$21,100.00; and

NOW, THEREFORE, BE IT RESOLVED, on this 8th day of September 2025 that the Township Council of the Township of North Brunswick does hereby authorize the Mayor to execute an amendment to the agreement with Freehold Township to provide Level III Project Support to procure, program, and install new servers in the Police Department for the amount of \$21,100.00.

Certification

Funds for this purpose are available in IT Capital Account no. C-04-55-C24-240-601. PO #26-00673

Cavel Gallimore
Chief Financial Officer

Steve Bloyed
Director of Public Work

Justine Progebin
Business Administrator

Ronald Gordon, Esq.
Township Attorney
Approved as to legal form

Proposal for North Brunswick PD Virtualization Infrastructure Refresh



July 24, 2025

Prepared by:

Freehold Township Information Technology

Project Overview

To configure and install a multi-host Hyper-V environment as a cluster, leveraging a new direct-attached shared storage device. The primary objective of this project is to create a highly available and resilient virtual infrastructure that will enhance performance, simplify management, and provide a robust platform for business-critical applications. By clustering Hyper-V hosts and utilizing shared storage, we can enable advanced features such as Failover Clustering, which will significantly improve uptime and optimize resource utilization. This solution will provide a scalable and future-proof foundation for your IT environment, ensuring business continuity and supporting future growth.

Scope of Work

This project will encompass the following tasks:

- **Procurement and Installation:**
 - Installation of new server hosts.
 - Installation of one new direct-attached shared storage device.
- **Windows Server and Hyper-V Installation:**
 - Installation and configuration of Windows Server Datacenter on both server hosts.
 - Installation and configuration of the Hyper-V role.
 - Configuration of networking, including Hyper-V virtual switches for management, Live Migration, and storage traffic.
- **Storage Configuration:**
 - Configuration of the direct-attached shared storage device.
 - Creation of LUNs and datastores, following best practices for performance and redundancy.
 - Configuration of iSCSI multipathing for redundant access to storage.
- **Failover Cluster Deployment and Configuration:**
 - Installation of the Failover Clustering feature on both hosts.
 - Creation and validation of a new Windows Server Failover Cluster.
 - Configuration of the cluster quorum and networking.
- **Cluster Role Configuration:**
 - Making virtual machines highly available by adding them as clustered roles.
 - Configuring failover and failback policies.
- **Testing and Validation:**
 - Testing of HA failover to ensure virtual machines restart correctly.
 - Testing to ensure live migration of virtual machines between hosts.

Scope of Work-cont.

- **Migrate Existing VMs**
 - Configure Veeam Backup to assist in conversion
 - Configure Microsoft System Center Virtual Machine Manager
 - Migrate existing Virtual Servers from old hardware to new
- **Documentation:**
 - Provision of comprehensive documentation of the new environment.

Project Summary

The implementation of a new Hyper-V cluster with direct-attached shared storage will provide a significant improvement over the current aging VMware environment. This solution will deliver a highly available, scalable, and high-performance platform for your business-critical applications. We are confident that this investment will provide a strong return by improving system uptime, simplifying management, and providing a solid foundation for your future IT needs.

We look forward to discussing this proposal with you further and answering any questions you may have.

Project Costs

As per Level III Support of the IT Shared Services Agreement, the total cost to implement this project based on the scope of work outlined will be: **\$21,100.**

Hardware Options and Costs***:

Each solution has been spec'd out by Dell and offers a significant increase in performance and resources compared to your current configuration. Redundancy is also built in on all solutions.

- Two-Host Solution – with Hybrid Storage
 - Includes Server Hardware, MS Licensing and new APC UPS unit with Power Distribution Unit
 - Dell Quote# 3000192211403.5 **\$68,388.59**
- Two-Host Solution – with all Flash Storage (Faster Speeds)
 - Includes Server Hardware, MS Licensing and new APC UPS unit with Power Distribution Unit
 - Dell Quote# 3000192211400.5 **\$87,565.85**

- Three-Host Solution (Greater Redundancy) – with Hybrid Storage
 - Includes Server Hardware, MS Licensing and new APC UPS unit with Power Distribution Unit
 - Dell Quote# 3000192211403.4 **\$84,589.82**
- Three-Host Solution (Greater Redundancy) – with all Flash Storage (Faster Speeds)
 - Includes Server Hardware, MS Licensing and new APC UPS unit with Power Distribution Unit
 - Dell Quote# 3000192211400.4 **\$102,579.25**

*** Does not include any electrical requirements that may be needed for proposed UPS equipment. This proposal does not include additional rack space if needed. Freehold IT will make every effort to utilize existing rack space. We will provide a quote for a separate rack if needed.

*** This solution may require new switches (part of the switch replacement project) for Failover and Live Migration components to function.