



# HPE Technology Partner Eaton brings intelligent power management to IT for municipality

## HPE SimpliVity and Eaton IPM maximize uptime for critical city services

**Objective**

Improve uptime and power efficiency with smart event handling and prioritization of VMs based on criticality

**Approach**

Partner with Eaton to integrate Intelligent Power Manager (IPM) software with HPE SimpliVity to provide a complete, power-optimized hyperconverged solution

**IT Matters**

- Optimized space efficiency consolidated IT and power management solution
- Gained 100% uptime assurance for critical compute resources
- Simplified power management through centralized control of remote devices

**Business Matters**

- Lowered data center operating cost by 10%, and TCO by 20%
- Ensured availability of critical city services
- Freed up valuable IT time to spend on strategic projects to benefit the city and its citizens



Power—that is, electricity—is often taken for granted. But anyone running a data center knows that when the power goes out, turmoil ensues. That’s where HPE Technology Partner, Eaton, comes in.

Even with uninterruptible power systems (UPSs) and rack power distribution units (PDUs), it’s extremely stressful to keep systems running optimally during an outage or through momentary power surges. IT systems are sensitive, and given their criticality for running any type of organization today, no one can afford downtime or loss of data integrity. And with the advent of hyperconverged systems, power problems become even more acute with multiple components and virtual machines (VMs) consolidated on a single platform.

“HPE SimpliVlty and Eaton IPM enable us to keep all our systems up and running at all times even with a small team.”

— Spokesperson, U.S. municipality

Working in partnership with HPE, Eaton solves data center power problems for hyperconverged platforms and practically any IT system. The key: intelligent power management systems and software from Eaton, integrated directly with HPE hardware and software.

### **Technology partnership hyper-converges IT and power management**

Eaton’s intelligent, integrated, and scalable power management solutions are designed to organize, protect, and manage HPE systems. At the center of what Eaton brings to the table is its Intelligent Power Manager (IPM) software, which ties together UPS and PDU systems with environmental sensors, VMs, and HPE technologies for a complete, power-optimized IT infrastructure.

What this means on an HPE SimpliVity hyperconverged system is that customers can use Eaton’s power infrastructure to prevent downtime and ensure data integrity. Working with Eaton UPSs and rack PDUs, the Eaton IPM software increases HPE SimpliVity

system uptime and increases UPS battery runtime by suspending non-critical virtual machines. IPM detects environmental factors, such as a rack overheating, and coordinates between the UPS and HPE Integrated Lights Out (iLO) to trigger power capping. To avoid data loss and ensure data integrity, IPM works with VMware Site Recovery Manager to initiate automatic failover.

HPE and Eaton are helping organizations of all types and sizes around the world optimize power utilization and distribution to ensure uninterrupted, energy-efficient IT operations. One example is a municipality in the U.S. with a small staff but big IT needs. Everyone from City Hall to the Public Works Department and Emergency Services needs highly available IT, but the city had neither budget nor resources to own and operate multiple systems. The HPE SimpliVity 380 hyperconverged platform proved to be the ideal solution.

But what about power? The city had a mixed bag of power systems and wanted to simplify by making power management part of the complete HPE SimpliVity solution. This is where the HPE technology partnership came into play. First, Eaton UPS and PDU systems

## Use Case

Intelligent power management

## Customer at a glance

### Application/Solution

- Intelligent power management with hyperconverged IT to run municipal services

### Hardware

- HPE SimpliVity 380
- Eaton 9PX UPS
- Eaton Monitored ePDU G3

### Software

- HPE Intelligent Lights Out (iLO)
- Eaton Intelligent Power Manager
- VMware vCenter

are racked up with HPE SimpliVity as an integrated unit. Then, Eaton IPM software and HPE SimpliVity management are plugged directly into VMware vCenter® running on the hyperconverged platform. This simplified everything, providing staff with one pane of glass to get a complete view of both the IT and power infrastructures, including legacy non-Eaton power devices.

With the HPE/Eaton solution, the city now has a consolidated, easy-to-manage IT and power management solution that provides 10% reduction in data center operating cost, 20% lower TCO, and enables 100% IT uptime. The city also gained the agility to initiate power capping and dynamically move VMs with automated policies based on environmental conditions, virtually eliminating power-related IT issues, and ensuring availability of critical city services. In addition, the IT staff gained operational advantages by grouping VMs based on policy and treating them appropriately when events occur to optimize operations during reduced power conditions, and recover VMs in the correct sequence based on criticality.

## Delivering IT excellence with peace of mind

As with this U.S. city, organizations everywhere can not only improve their IT efficiency, but also their energy efficiency with an integrated solution from HPE and Eaton. As an HPE Technology Partner, Eaton has worked hand-in-hand with HPE to deliver a complete power management package that performs seamlessly with HPE SimpliVity. Eaton's UPS and PDU systems are fully tested by SimpliVity engineers to validate their operational integrity. And Eaton is engaged in ongoing technology partnership to extend value across other HPE solutions. In fact, Eaton's IPM software is HPE Composable Infrastructure Tested, and it works with HPE OneView for consolidated IT/power management on HPE Synergy.

By partnering with Eaton, HPE offers customers a complete solution that simplifies IT management, lowers TOC, and eliminates the worry that power issues may disrupt IT operations. That's a commitment to not only delivering technology excellence, but also delivering peace of mind.

Learn more at  
[hpe.com/partners/technology](https://hpe.com/partners/technology)



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