



Green Mountain Power is an energy transformation company that provides electrical power to three-quarters of Vermont.

## Project Details

### Move/Improve On-prem CDEs to Cloud for PCI Compliance

Vigilant Completed the Following Technical Tasks:

1. Moved GMP from on-prem datacenter to the cloud, where you can piggyback on the cloud provider's Attestation of Compliance, thereby reducing the number of controls to be met
2. Rearchitected the web servers to be front ended by Application Load Balancers so all communication is encrypted with TLS 1.2
3. Added a Web Application Firewall in front of the Load Balancer.
4. Used CIS Benchmark compute images to ensure OS is properly hardened & is not using any default passwords or security parameters
5. Used cloud backup storage to leverage data-at-rest encryption provided by all major cloud vendors
6. Used Checkpoint Virtual Appliance to achieve IDS/IPS capabilities
7. Used Carbon Black & Cylance on Bastion host
8. Used Network Security Groups & subnets to achieve network segmentation
9. Federated with Azure AD to supplement Cloud Identity Service capabilities

## CASE STUDY

### Result

Vigilant's services allowed Green Mountain Power to quickly & successfully pass their PCI compliance audit. They are now all clear to be PCI Compliant.

### Why Vigilant

Green Mountain Power accepts payments on their website & mobile app - Because of this online payment structure they need to be PCI Compliant. GMP came to Vigilant due to our strong reputation as Cloud Migration, Security, & Compliance experts.

### Solution Provided

Our team migrated their Cardholder Data Environment (CDE) to the cloud where GMP could piggyback on the service provider's Attestation of Compliance (AOC), which greatly reduced the effort involved to become PCI compliant - thus saving GMP both time & money.