**Firewall / IPS Replacement Requirements**

**Phase 1 Requirement**

Hardware Specifications

*Boca (Boca Edge, DMZ, Datacenter):*

Firewall Throughput: 30Gbps Vendor Spec

IPS Throughput: 15GBps Vendor Spec

Active Connections: Minimum 1 million

10G ports: Minimum of 4. XFP or SFP+ Capable of supporting SR and LR gbics

1G ports: Minimum 8 copper 1Gbit

*Ft. Lauderdale (Ft Lauderdale Edge, DMZ):*

Firewall Throughput: 10Gbps Vendor Spec

IPS Throughput: 5GBps Vendor Spec

Active connections: minimum 1 million

10G ports: Minimum of 2. XFP or SFP+ Capable of supporting SR and LR gbics

1G ports: Minimum 8 copper 1Gbit

Features:

* Centralized management with capability to scale to a minimum of 20-30 managed devices and allows for remote backup of device configurations. A vendor provided software solution without a hardware component is acceptable.
* Solution for both devices combined not more than $90,000 in 1st year cost, not more than $30,000 recurring
* OSPF routing
* Transparent and routed mode deployment capability
* High-availability capability
* Automatic congestion control for IPS – e.g. ability to respond in real time to performance issues
* IPSEC and clientless SSL-VPN capability. Ability to license or upgrade to these later is acceptable.
* QoS functionality and bandwidth guarantees
* 7x24 support with next business day hardware replacement (if applicable)
* Production-ready IPv6 support
* IP Spoof detection
* Proxy server support for updates if necessary
* Policy-based NAT
* Ability to block P2P protocols
* Vendor must also be able to provide a product capable of virtual firewalls. Virtual firewall capability is not required by the devices for phase 1. Virtual Firewall capability is required for some devices purchased in phase 2 and phase 3.

**Desired But Not Required:**

* + BGP Routing Capability
  + Gateway AV / Anti-malware blocking capability
  + Rudimentary packet shaping or weighted fair queuing
  + Fault-tolerant disks or flash based firewalls/IPS
  + Deep-packet inspection of SSL encrypted traffic