

Cisco Systems Canada Co. and OnX Enterprise Solutions Ltd. - Statement of Work

The following list of products and services from Cisco Systems Canada Co. and OnX Enterprise Solutions Ltd. will be purchased with existing contracts already in place that are expiring in 2023.

Cisco Product & Services
Web Security Appliances and Licenses
Cloud Web Security - Cisco Umbrella Subscription
Wireless Controls and Licenses
Access Points (Indoor and Outdoor) and Antennas
UCS Servers for Voice Infrastructure and Licenses
Phone Hardware
Conferencing Hardware
Analog Terminal Devices (ATA)
Voice Gateway Devices
Phone System, Perpetual User Licenses
Collaboration Hardware and Licenses for Video Conferencing Devices
Voicemail Application and Licenses
Emergency Responder Application and Licenses
Call Center Application and Licenses
Instant Messaging/Presence Application and Licenses
Maintenance and Support
Professional Services
Additional Products & Services as required to support a good state of repair and City growth

OnX Product & Services
Network Routers and Licensing
Network Switches and Licensing
Network Monitoring Tools/Software and Licensing (Solarwinds)
Network Security Firewalls (with IPS) and Licensing
Network Security Firewalls (no IPS) and Licensing
SFP's Cables
VPN Appliances
Identity Service Engine (ISE) – Security Authentication Authorization
F5 Technologies such LTM Load Balancers, GTM Site Selector, Web Application Firewall, APM, Licensing
Maintenance and Support
Professional Services
Additional Products & Services as required to support a good state of repair and City growth

Capital Forecast:**Cisco System Canada Co. Contract**

Cisco Wireless Expansion, Life Cycle Replacement and Upgrades forecasted for 2021-2023.

The following Table provides a summary of these requirements from 2021 - 2023:

Wireless Capital Requests (2021-2023)	2021	2022	2023	Total
ATMS Growth	\$35	\$35	\$35	\$105
Indoor Wireless Controller Life Cycle (Qty 8)	0	\$350	0	\$350
Tools & Accessories	\$20	\$20	\$20	\$60
Indoor Replacement of Wireless Access Points (Qty 255)	\$438	0	0	\$438
Indoor/Outdoor Wireless Growth, Maintenance, Licensing	\$260	\$260	\$260	\$780
Indoor Replacement of Wireless Access Points (Qty 136)	0	0	\$210	\$210
Professional Services	\$50	\$50	\$50	\$150
Total Wireless Capital Requests (2021-2023)	\$0.803M	\$0.715M	\$0.575M	\$2.093M

Cisco Voice Infrastructure will also require life cycle replacement and upgrades in 2021.

The following Table provides a summary of these requirements from 2021 - 2023:

Voice Capital Requests (2021-2023)	2021	2022	2023	Total
Bell SIP Services- Cube Licenses (Inbound/Outbound Dialing)	\$60	\$60	\$60	\$180
Phone and Video Hardware Maintenance	\$100	\$100	\$100	\$300
Voice Gateways Life Cycle (Call Routing Appliance)	\$90	0	\$60	\$150
ESXi Host Hardware Life Cycle (Voice Systems Servers)	\$300	0	0	\$300
Video Conferencing Hardware Growth	\$50	\$50	\$50	\$150
CULW-Jabber Collaboration Licensing Growth	\$155	\$80	\$80	\$315
Webex EA Subscription Annual Renewal	\$266	\$266	\$266	\$798
Professional Services	\$210	\$60	\$60	\$330
Office Space Strategy Boardroom Video Conferencing Hardware	\$350	\$350	\$350	\$1,050
Total Voice Capital Requests (2021-2023)	\$1.581M	\$0.966M	\$1.026M	\$3.573M

Total funding required for Wireless and Voice Infrastructure Projects for 2021-2023 is **\$5.666M**

Voice Infrastructure	\$3.573M
Wireless Infrastructure	\$2.093M
Cisco Total Capital Funding 2021-2023	\$5.666M

OnX Enterprise Solutions Ltd. Contract

Cisco Network Security Appliances Life Cycle Replacement and Upgrades forecasted for 2021-2023.

The following Table provides a summary of these requirements from 2021-2023:

Network Security Infrastructure Capital Forecasts 2021-2023	2021	2022	2023	Total
VPN Appliance Life cycle	0	\$100	0	\$100
Data Center Perimeter Firewall Life cycle	0	0	\$415	\$415
Peel Regional Police Firewall Life cycle	\$40	0	0	\$40
Email Web Security Appliances Life cycle	0	0	\$160	\$160
Identity Service Engine Appliance Life cycle	0	\$100	0	\$100
Data Center Core Firewall Life cycle	\$700	0	0	\$700
Security Licensing (Web, Email, AMP and Cloud Umbrella)	\$350	\$250	\$250	\$850
Professional Services	\$150	\$50	\$100	\$300
PCI Firewall Life cycle	0	\$400	0	\$400
Network Security Infrastructure Capital Forecasts 2021-2023	\$1.240M	\$0.900M	\$0.925M	\$3.065M

Cisco Network Routers, Switches will require Life Cycle Replacement and Upgrades in 2021-2023.

The following Table provides a summary of these requirements from 2021 - 2023:

Switching & Routing Infrastructure Capital Forecasts 2021-2023	2021	2022	2023	Total
Network Tools, Cables, SFP Cables, Racks, UPS Maintenance	\$250	\$200	\$200	\$650
Smart Optics (optical transceivers that handles data traffic)	0	0	\$200	\$200
Network Core Infrastructure Appliances Life Cycle in Data Centers	\$1,500	0	0	\$1,500
Cloud Router Lifecycle to 10 gig Capacity (AWS)	\$100	0	0	\$100
Cluster Router Lifecycle (Qty 43)	\$350	\$320	0	\$670
Global Network Assessment	0	\$250	0	\$250
Growth Access Switches (Wi-Fi, ATMS, Developments & Facilities)	\$150	\$150	\$150	\$450
Peel Region Police Network Switch Gear Life cycle	\$120	0	0	\$120
Professional Services	\$300	\$200	\$100	\$600
Switching & Routing Infrastructure Capital Forecasts 2021-2023	\$2.770M	\$1.120M	\$0.650M	\$4.540M

Funding Required for Security, Switching & Routing Infrastructure Projects for 2021-2023 is **\$7.605M**

Security Infrastructure	\$3.065M
Switching & Routing Infrastructure	\$4.540M
OnX Total Capital Funding Required (2021-2023)	\$7.605M

Operating Forecast:

Forecasted Operating Maintenance & Support (Cisco and OnX) for 2022-2023 from Cost Centre 22344

Vendor	2021	2022	2023	Total
Cisco	\$256,000 (already paid)	\$ 400,000	\$ 400,000	\$800,000
OnX	\$422,480 (already paid)	\$ 655,000	\$ 675,000	\$1,330,000

Total (Operating & Capital) Funding:

Items	Cisco	OnX
Estimated Capital (2021-2023)	\$5.666M	\$7.605M
Estimated Operating (2022-2023)	\$0.800M	\$1.330M
TOTAL Operating & Capital Funding	\$6.466M	\$8.935M

Overall Summary Cisco Systems Canada Co.

Voice Infrastructure	\$2.193 M
Wireless Infrastructure	\$1.943 M
Professional Services (Wireless &Voice)	\$0.480 M
Maintenance & Support	\$0.800 M
Projected Growth	<u>\$1.050 M</u>
Total	\$6.466 M
Spend to Date on Contract	\$9.866 M
Remaining Spending Authority on Contract	(\$2.744 M)
Additional Contract Value Required	\$3.722 M
Original Contract Value	\$12.61 M
TOTAL NEW UPSET LIMIT	\$16.33 M

Overall Summary OnX Enterprise Solutions Ltd.

Switching & Routing Infrastructure	\$3.490 M
Network Security Infrastructure	\$2.765 M
Professional Services	\$0.900 M
Maintenance & Support	\$1.330 M
Projected Growth	<u>\$0.450 M</u>
Total	\$8.935 M

Spend to Date on Contract	\$10.117 M
Remaining Spending Authority on Contract	(\$1.983 M)
Additional Contract Value Required	\$6.952 M
Original Contract Value	\$12.100 M
TOTAL NEW UPSET LIMIT	\$19.052 M