

SOURCING A MORE RESILIENT, HIGH-PERFORMING NETWORK WITHOUT BREAKING THE BANK

Connectivity Numbers to Build Your Business Case

SD-WAN HAS BECOME THE NORM

Reasons for adopting SD-WAN...

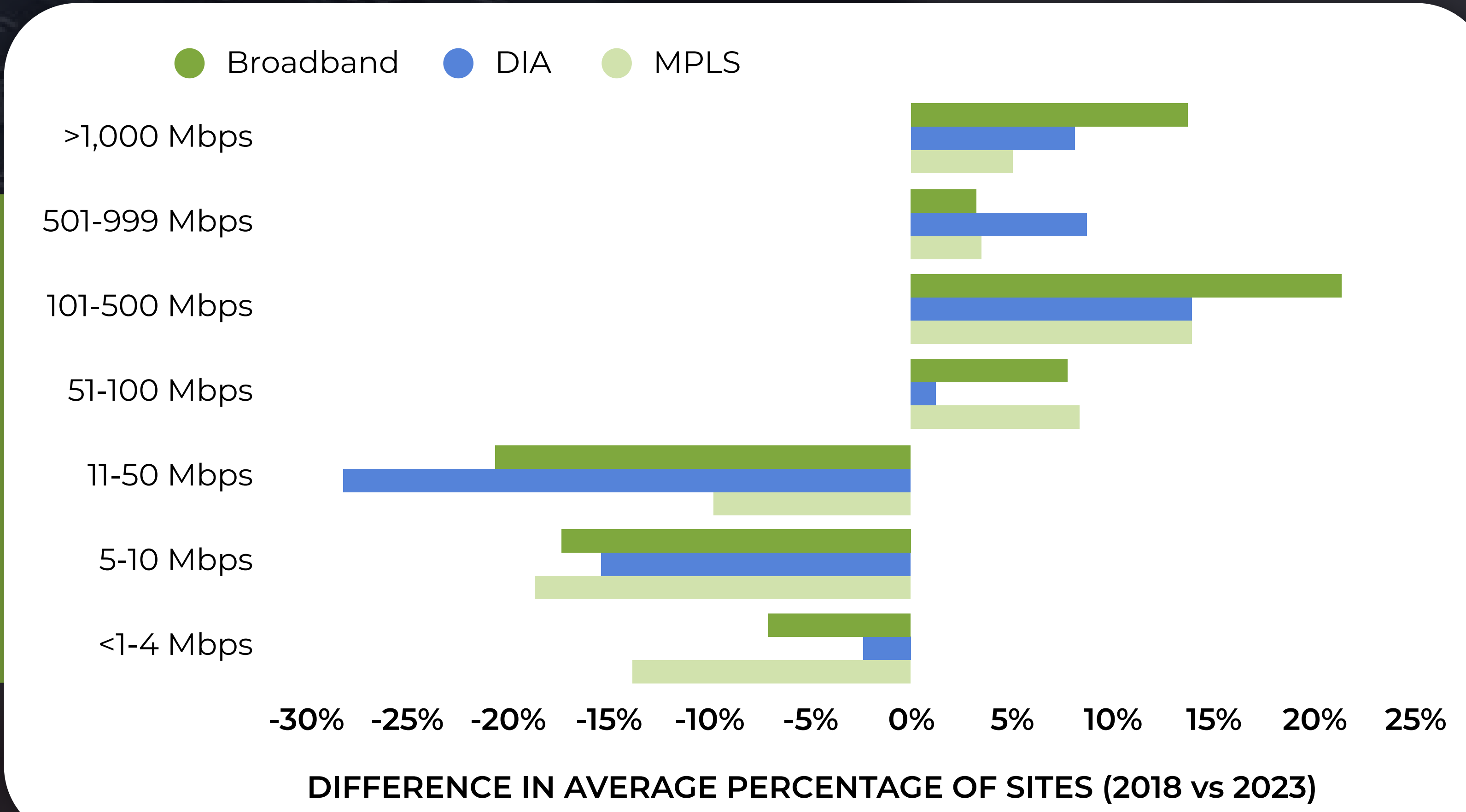


With an ongoing need to optimize cost and performance, enterprises have moved towards SD-WAN and away from all-MPLS, replacing traditional WANs with hybrids.

BANDWIDTH DEMANDS GROW

Difference in the percentage of sites for each bandwidth range (2018-2023)

Bandwidth demand growth is strong and will continue to grow, driven by video and AI.



Increased Value for Money: From Dual MPLS to Internet-First

COMPARISON OF DIFFERENT NETWORK SCENARIOS

How enterprises can increase bandwidth and functionality while lowering costs.

- **Dual MPLS:** Traditional active-active MPLS network.
- **Conservative Tiered WAN:** SD-WAN adoption plus dual MPLS at high-priority sites, with shifts to MPLS+DIA or dual DIA.
- **Internet-First WAN:** SD-WAN and switch from MPLS with DIA and business broadband for majority of sites.



Access the **full whitepaper** to read more on the different scenarios at <https://www.open-systems.com/building-network-business-case/>

	Dual MPLS	Tiered Hybrid	Internet-First
Total WAN Bandwidth (Mbps)	194,680	210,220	313,980
Total Cost	\$8,532,660.00	\$7,792,045.00	\$7,563,317.00
Cost per Bandwidth (\$/Mbps)	\$43.83	\$37.07	\$24.09
Bandwidth Increase		8%	61%
Price Decrease		9%	11%
Connectivity Improvement (Price Per Value Decrease)		15%	45%

The Conservative Tiered WAN increased the available bandwidth by **8%** while the cost per Mbps across the entire network went down **15%** from \$44/Mbps to \$37/Mbps.

The Internet First WAN is a significant change with the total bandwidth of the network going up by **61%** and the total \$/Mbps going down **45%**.

