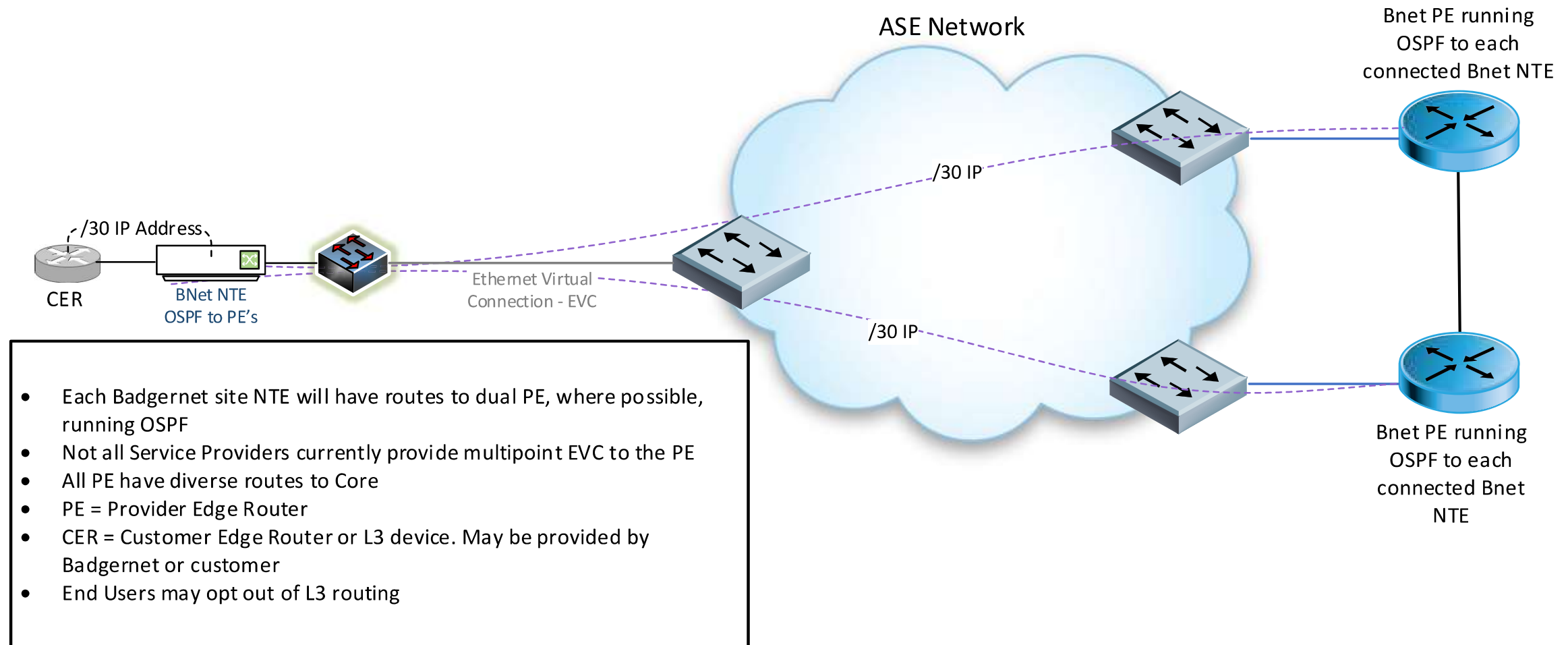


Layer 3 Routing AT&T Switched Ethernet Service Implementation



Sites served by AT&T Switched Ethernet Service

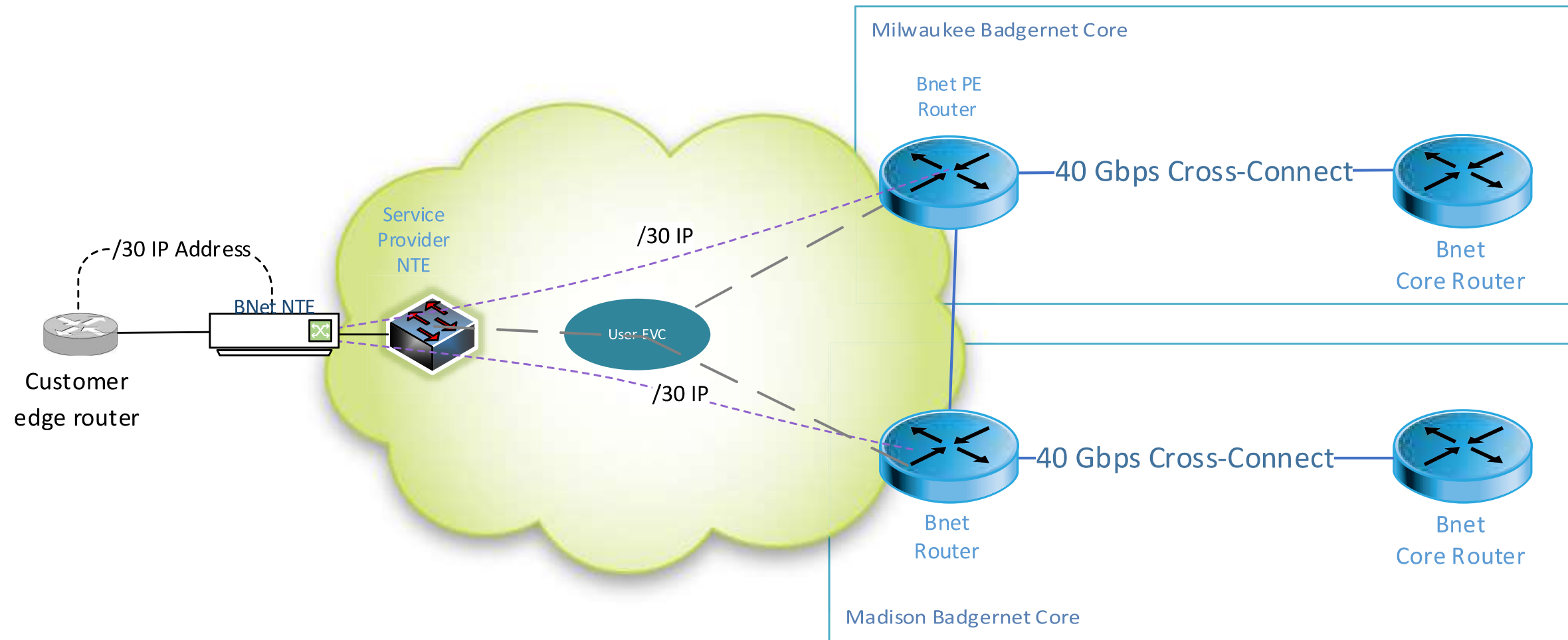
AT&T Switched Ethernet Service utilizes multi-point EVC for Badgernet
Circuit from site to serving switch is single point of failure
Serving switch has multiple diverse connections to other core switches

Impact of Availability Project

Move existing /30 subnet from Badgernet PE router to Badgernet NTE
Configure new /30 subnets from Badgernet NTE to dual Badgernet PE
Configure OSPF routing protocol to failover to alternate PE
End User LAN addressing or routing is not impacted



Layer 3 Routing for CenturyLink Sites



Service Provider (CenturyLink) Network



Layer 3 Routing for CenturyLink Sites - Impact

CenturyLink Switched Ethernet Service utilizes multipoint EVC for Badgernet

CenturyLink has 8 disparate networks (regions) in Wisconsin

Each site has 3 site EVC, the site to both Madison and Milwaukee Badgernet PE

Circuit from site to serving switch is single point of failure

Serving switch may have multiple diverse connections to other core switches

All regions circuits to each PE are single-threaded but diverse from each other

Impact of Availability Project

Move existing /30 subnet from Badgernet PE router to Badgernet NTE

Configure new /30 subnets from Badgernet NTE to dual Badgernet PE

Configure OSPF routing protocol to failover to alternate PE

End User LAN addressing or routing is not impacted

