

# SCE Carrier Solutions

Overview for Inland Empire Broadband Consortium

# About SCE Carrier Solutions

Southern California Edison (SCE) is one of the largest utilities and has designed, constructed, and operated extensive telecommunications systems to support critical electric utility operations and business systems supporting 14 million people in a 50,000+ square-mile area spanning Southern California.

## Fiber Network

- 5,700 + Route miles of network
- Carrier Grade Network
- 100% owned and operated by SCE
- No leased cables, shared conduits, or type 2 portions
- SCE Crews install, maintain, and operate the network
- NOC located in Alhambra
- 500,000 + Near Net Locations
- Large on-net presence at major network hubs and data centers

## Infrastructure Leasing

- Dark Fiber, property, and infrastructure since 1994
- Assets and structures include 890+ substations and 14,000 towers and steel poles
- Leasing of structures for wireless communication attachments
- SCE property available for fiber huts and ancillary equipment installations

# Experience Building and Providing Mission Critical Network Connectivity

## Customer and Service Profile

- Major Telecom Carriers, Government Entities, Cable Cos, Satellite Operators, Real Estate Developers, Education, other business enterprises.
- Ethernet, SONET, Wavelengths, Dark Fiber, Dedicated Internet Service, and other technologies
- Turn- key implementation: Project Management, Engineering, Real Estate, Environmental, Outside Plant Construction, Fiber splicing, testing, and service turn-up

## Network Technology

- Layer 1 DWDM and Layer 2 MPLS
- Redundant and hardened core of Service Ready Carrier Grade MPLS Routers that allow flexibility in supporting any protocols used in your network today and in the future
- Supports any architecture and services required by customers including Carrier Ethernet, IP, MPLS and Metro Ethernet based solutions, and supports new and evolving SDN and NFV standards
- Bi-directional Layer 2 switched Ethernet services configured on an MPLS platform with OSPF protocols
- Committed bandwidth Rates to each site
- Dedicated and secure service assuring privacy of physical and logical access to customer's traffic/VLAN

# What's Unique About SCE Carrier Solutions?

- Superior network capability connecting customers directly to SCE's backbone
- Ability to leverage wholly owned, operated, and diverse fiber network to provide mission critical connectivity during important events
- Personalized and locally based engineering, operations, and account team that specializes in serving the Southern California area
- Ability to provide custom end-to-end solutions tailored for each specific customer using a variety of new and existing technologies
- Hands-on and local network architect and design support

