

USC Dark Fiber Network

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Genesis

- John Postel
 - LAAP
 - Los Nettos
- Campus Sites
 - UPC,HSC,ISI
- Cost of Telco Circuits, Space in “1wilshire”
- DWP campus power provider

What We Did

- Long Term Lease DWP
 - 4 strands
 - One time entrance costs.
- CWDM
 - 3x1Gb
 - OC12
- L2 and ATM Hardware

What We Are Doing

- CWDM still for part
 - OC12, some Gb to HSC
- 10Gb L2 network as of last summer.
 - LAAP, Los nettos, Private Vlans. (research and other uses)
- Basic infrastructure to feed USC sites to I1/I2.
- Used for 10Gb I2 members meeting.

What's Next

- Next Generation is 15540 based DWDM
 - Replaces CWDM pair.
- Extending to Caltech/JPL and other Los Nettos sites with dark fiber and Gb services.
- Near Term Uses
 - Opitiputer like projects (shared 'wavelengths')
 - Off site Disaster recover over FC and 10Gb shared nets.
- NLR and other next generation projects.