High Performance Wireless Research and Education Network

An interdisciplinary collaboration leveraging between research and infrastructure

University of California, San Diego
San Diego Supercomputer Center
Scripps Institution of Oceanography

funded by the National Science Foundation
(awards 0087344 and 0426879)

high performance wireless research and education network
http://hpwren.ucsd.edu
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HPWREN connected topology agenda

http://hpwren.ucsd.edu

August 2005

UCSD to SCI

JD

PL

SMER

MPO

LVA2

FRD

BZN

SNDCRY

RDM WMC PFO BDC

Santa Rosa

GVDA

CRY

SND

AZRY

KSW

KSW

DHL

GLRS

CRRS

p480

USGC

CWC

PSAP

MLO

KSW

WIDC

KYVW

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45Mbps FDX 11GHz FCC licensed
45Mbps FDX 6GHz FCC licensed
45Mbps FDX 5.8GHz license-exempt
45Mbps-class, HDX, license-exempt
~8Mbps HDX 2.4GHz license-exempt
~3Mbps HDX 2.4GHz license-exempt
115kbps HDX 900MHz license-exempt

dashed = planned

Backbone/relay node
Astronomy science site
Biology science site
Earth science site
University site
Researcher location
Native American site
Incident management site