California Telehealth Network
Connecting California To Achieve Meaningful Use

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7/15/2011

California Telehealth Network

▶ A state wide broadband network dedicated to expanding health care access in rural and medically underserved communities

▶ Goal to improve clinical outcomes, reduce costs

FCC Rural Health Care Pilot Program

▸ $22.1 million award – largest single state award pays for 85% of eligible site build out costs

▸ $3.6 million match – California Emerging Technology Fund match for 15% of eligible site build out costs

▸ Over $10 million in additional funding from United Healthcare, National Coalition for Health Integration, California Health Care Foundation, University of California and the California Public Utilities Commission

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FCC Rural Health Care Pilot Program California Goals Summarized

▶ **Goal 1:** Create a statewide broadband network dedicated to health care with explicit QoS, privacy and security

▶ **Goal 2:** Link the California Telehealth Network (CTN) to a national backbone

▶ **Goal 3:** Leverage and build upon recent investments in Telehealth

▶ **Goal 4:** Utilize CTN for ongoing disaster preparedness training and response

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▸ Managed network service. Installation, monthly circuit costs, router, network monitoring provided

▸ Initially available to over 850 sites that have qualified to participate in the FCC Rural Health Care Pilot Program (RHCPP) eligible sites (public/non-profit)

▸ Participating in an ARRA/BTOP grant award through UC Davis that provides core CTN operating funding and the establishment of 15 Broadband Technology Enabled Model Communities

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▸ AT&T selected as the statewide master vendor

▸ CTN leases circuits, routers, managed services from AT&T

▸ Medical grade network architecture

   – MPLS guaranteed Quality of Service

   – Closed network, traffic on CTN network is never exposed to public internet

   – Emphasis on network security, reliability

   – Consistent approach statewide to facilitate deployment of eHealth services and applications

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CTN Benefits

▸ Encrypted connections to other CTN sites

▸ Emphasis on privacy and security

▸ Equipment and network monitoring provided by AT&T working with last mile providers

▸ Secure connections to support HIE and multiple meaningful use applications

CTN Benefits

▸ CENIC connectivity to support internet, educational and workforce development activities

▸ Access to all CENIC partners which include all UC Health Centers, Stanford, USC, California State Community Colleges, California State University campuses, libraries and others

▸ CTN sites have access to Internet2, National LambdaRail and other national medical/educational/research platforms

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CTN Current Offerings

▶ Multiple circuit speed offerings to accommodate site needs :

Monthly Membership Fee

Speed	Year I	Year 2 & 3
1.5 Mbps	$ 62.50	$ 100.00
6.0 Mbps	$125.00	$ 250.00
10.0 Mbps	$262.50	$ 420.00
45.0 Mbps	$1,000.00	$2,000.00

▶ Higher speeds available

▶ Monthly membership fees based on circuit speed selected

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CTN Update

▸ Site activations began in December

▸ Challenges with on premise wiring delays

▸ Additional sites currently requesting participation

▸ Business plan development underway

▸ Discussions underway with specialty care providers, eHealth and Health IT technology providers for further development of applications and services

▸ Transitioning legal and operational control to an independent 501c3 non-profit corporation

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ARRA Grant Model Communities Update

▸ Model Communities selection process completed

▸ 31 communities responded to the RFP

▸ 15 finalists expected to be announced by the end of the month

▸ Focus of the grant to demonstrate broadband enabled health care delivery

▸ Most of the requested funds for telemedicine equipment and applications

▸ Some request for networking gear to support data exchange

Thank You!