

CALIFORNIA EMERGING TECHNOLOGY FUND

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ORGANIZATION PROFILE: CONNECTED AND PROTECTED COMMUNITIES (LINC-CPC)

JUNE 28, 2007

– ORGANIZATION AND PROJECT OVERVIEWS –

Name of Organization	LVEF – LIVERMORE VALLEY EDUCATION FOUNDATION (501.c.3), WITH LINC –LIVERMORE INFO NET COLLABORATIVE, AND eCLIC – EMERGENCY COMMUNICATIONS LEADERSHIP & INNOVATION CENTER OF THE WIRELESS COMMUNICATIONS ALLIANCE - WCA (501.c.6)
Name(s) of Principal(s) and Complete Titles	1. Victoria Schellenberger, LVEF President; 2. Dr. Bill Dunlop, LVEF Co-Founder/Board Member, Livermore Valley Joint Unified School District President, LINC Co-Founder, Senior Scientist for Security, Lawrence Livermore National Laboratory; and 3. Pat Lanthier, eCLIC Founder/Chairman, LINC Co-Founder, Wireless Communications Alliance Board Member
Contact Information (complete)	1. 849 E. Stanley Blvd., PMB#143, Livermore, CA, 94550; vschellenberger@sbcglobal.net ; 925-294-4068 2. 7000 East Ave, Livermore, CA, 94550; Dunlop@llnl.gov ; 925-424-4462 3. 2241 Bunker Hill, San Mateo, CA, 94402; eclicsig@wca.org ; 650-703-0610
Name of Program or Project (if different from organization)	LINC-CPC : Livermore Info Net Collaborative - Connected & Protected Communities
Geographic Location or Focus of Program or Project	Selected areas Statewide, with Livermore Valley as the Collaborative Development Site
Demographic Overview of Focus Community or Population	The focus community includes various underserved groups around the State who do not fully enjoy the benefits of broadband connectivity and use, due to deficiencies in three areas: 1. Advanced Technology, 2. Applications and Skills Development, and, 3. Visionary Leadership. The LINC-CPC Development Site at Livermore will address these three areas for the 5,000+ Livermore students who are American Indian, Asian, Pacific Islander, Filipino, Latino/Hispanic, and African American. Other underserved groups that will be targeted are those that are entrusted with protecting (day-to-day and during disasters) our Schools and Communities. These groups include school, police, fire and emergency services leaders. After “Best Practices” are developed, tested, and documented, additional locations will be added.
Description of Program or Project named above o Goals	The goal of LINC-CPC is to quickly, efficiently, and effectively create “Connected and Protected” Communities LINC-CPC will leverage significant existing investments, assets, leadership and knowledge to help ensure (via holistic strategies driving systemic change) that virtually all community members and protectors enjoy Connected and Protected Communities, via currently available broadband technologies, applications, and collaborations. This is an extension of the successfully deployed and tested LINC program (Livermore Info Net Collaborative), which is based on direct experience with the California Governor’s Office of Emergency Services, the California Economic Strategy Panel, the California Education Technology Taskforce, California State University at Monterey

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	Bay, the Corporation for Education Networks in California, the Great Valley Center, the U.S. Department of Homeland Security, Lawrence Livermore National Laboratory, Sandia Labs, U.S. Naval PostGraduate School, and others.
o Objectives	A Key objective is to transform both communities and community protectors into full participants in the new world of Broad Band Networks and Applications – to realize “CONNECTED AND PROTECTED COMMUNITIES”.
o Strategies	A key strategy is to extend and leverage existing research, demonstrations, testing, investment, knowledge and collaborative leadership models to create accessible and sustainable BB networks and applications for communities and community protectors, via the transformative (and, demonstrable) notion that schools must serve as community communications hubs (schools currently serve as holding/triage areas).
o Actions	Fund and manage the further multi-year development and extension of LINC, via LINC-CPC
o Outcomes	Outcomes include: <ol style="list-style-type: none"> 1. Development of LINC – CPC to reach further into the community to meet diverse needs 2. Testing and further development of best practices at LINC – CPC 3. Identification of additional sites 4. Extension into additional sites 5. Reach out to partner CalOES, so that LINC-CPC can help transform the State School Safety/Disaster Management Guidelines to embrace the goal of “Schools as Community Communications Hubs”
o Brief History (when was the organization founded or when was the program launched?)	LVEF was founded in 1991 and it has operated successfully every year since. New projects are launched each year. Virtually all programs are managed and implemented through the Livermore Valley Joint Unified School District (LVJUSD). LVEF and LVJUSD have at least a 16-year history of success working with culturally and linguistically diverse communities. In addition, LVJUSD employs four specialists for students with special assistance needs and LVJUSD works with both the Center for Accessible Technologies and Assistive Communications and Technology. LINC is about a year old, although its genesis was about 7 years ago (see below, “Funding Sources and Partners”). eCLIC is part of the WCA, a 501.c.6 founded in 1993.
o Size and Magnitude of Program or Project <ul style="list-style-type: none"> ▪ Number of People Served, Involved, Impacted 	Initially, LINC is focused on serving the population in Livermore (approximately 80,000), plus the 20,000 who may be traveling in the LINC area during a major disaster. We have demonstrated the LINC technology and collaborative approach several times, during actual multi-responder emergency drills for selected audiences. Via LINC – CPC, the approach could be selectively spread statewide over a three year period. A points of reference may be the ROMP (Rural Office Modernization Program), which was implemented statewide by Pacific Bell and the CPUC in less than 2 years; or the Intelligent Network Task Force, California First, SeniorNet, CalREN, etc, etc,. California has been a leader in projects that enable greater communications access and use.
<ul style="list-style-type: none"> ▪ Annual Budget, Percentage of Earned Income and Staff 	The 2007-2008 budget for the LVJUSD totals more than \$103 million. The total distributions from LVEF exceed \$2.2 million, with current annual distributions of about \$200 thousand. Less than 1% of LVEF funds are expended for LVEF operations. All LVEF board members and management are volunteers. The projected budget for LINC – CPC is \$660,000 over three years.
<ul style="list-style-type: none"> ▪ Funding Sources and Partners 	LVEF has been funded locally; via businesses, community groups, individuals, (who are all very supportive LVEF partners) and events.

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	<p>LINC funding/partners are best described in sections, due to the benefits of leveraged investment:</p> <p>1. Current: LINC is currently funded locally and the partners are: LVJUSD, Livermore Police Department, Livermore Pleasanton Fire Department, Lawrence Livermore National Laboratory, Sandia Labs, and the Emergency Communications Leadership & Innovation Center. Current Collaborators/Supporters include: Alameda County Behavioral Health Care Services, Alameda County Health Care Services Agency, AT&T California, California Governor’s Office of Emergency Services, Livermore Emergency Operations Center, Livermore City Manager, Livermore Health Services, Livermore Human Services, IPS, SYS Technologies, Trapeze, Unisys, U.S.Naval PostGraduate School, Zone 7 Water, and others</p> <p>2. Past: LINC enjoys the benefits of significant investment and knowledge leveraging (\$12M+) in three areas: a. Wireless BB networking, b. Applications and Skills (COP - Common Operational Picture), and c. Collaborative / Innovative Leadership. From 1999 through 2003, the Great Valley Center served as an incubator of “New Connexions” work, including communications and leadership planning for Emergency Response (Community Protection). From 2003 to 2006, The U.S. Department of Homeland Security (DHS) funded the Information Technology Evaluation Program (ITEP), which supported several (12?) state programs to evaluate Commercial Off-The-Shelf (COTS) solutions for information sharing and collaborative Emergency Command and Control. California’s program was called ERMN - the Emergency Response Management Network. The ERMN networking, apps/skills, collaborative leadership model (with the COP server) are in LINC, operating in Livermore. Emergency drills and demonstrations at LINC have clearly demonstrated the efficacy of the LINC approach</p> <p>3. Next: In addition to local funding, LINC has a number of Federal Grant proposals in process.</p>
<ul style="list-style-type: none"> o Results and Evidence of Success <ul style="list-style-type: none"> • Metrics for Evaluation Progress 	<p>Evidence for success is best based on actual outcomes associated with the three parts of the eCLIC / LINC “Success Triad” – 1. Network Technology, 2. Applications / Skills Development, and, 3. Visionary Leadership. Currently, LINC tracks progress in all three areas and tests for actual outcomes in field exercises / drills with real people. Metrics must reflect the real world.</p>
<ul style="list-style-type: none"> • Change in Outcomes or Metrics Over Time • How long does it take to secure results for the program above? 	<p>Outcomes and metrics for LINC-CPC must be straight-forward and must reflect local inputs and State/ Federal Guidelines. They may be subject to change, based on these inputs.</p> <p>Because we (LVEF, LINC, eCLIC) have years of deployment, applications/skills and community leadership development experience, results can be secured in a few months. In fact, because LINC has been, and is currently, a very active program in Livermore, results could be provided in a quarter of a year.</p>

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WITH KEY STAKEHOLDERS AND PROSPECTIVE PARTNERS

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