Wireless Oakland Initiative
Community Meeting

To discuss Oakland's wireless broadband needs & opportunities
22 September 2008

Wireless Oakland Initiative

Wireless Oakland Initiative

Goal: Conduct the necessary fact finding that will support the establishment of a sound vision for the deployment of an achievable and sustainable wireless broadband network

Objectives:

- Enhance economic development
- Improve public safety
- Increase the effectiveness of public, private, and nonprofit organizations through improved access to state of the art broadband wireless technology
- Help overcome the digital divide
- Improve quality of life for all Oaklanders

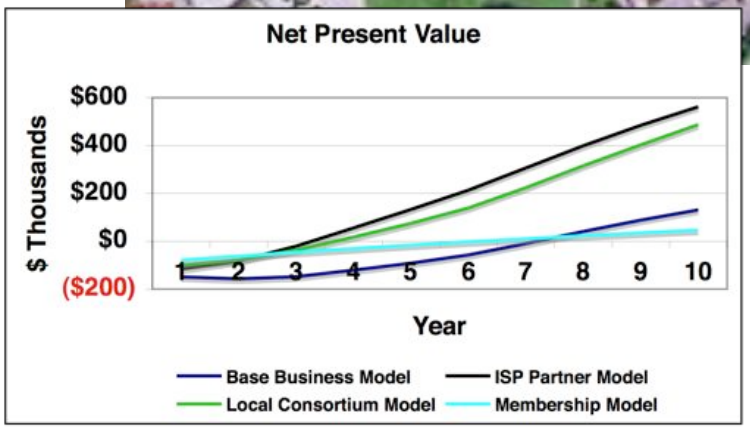
Source: City of Oakland

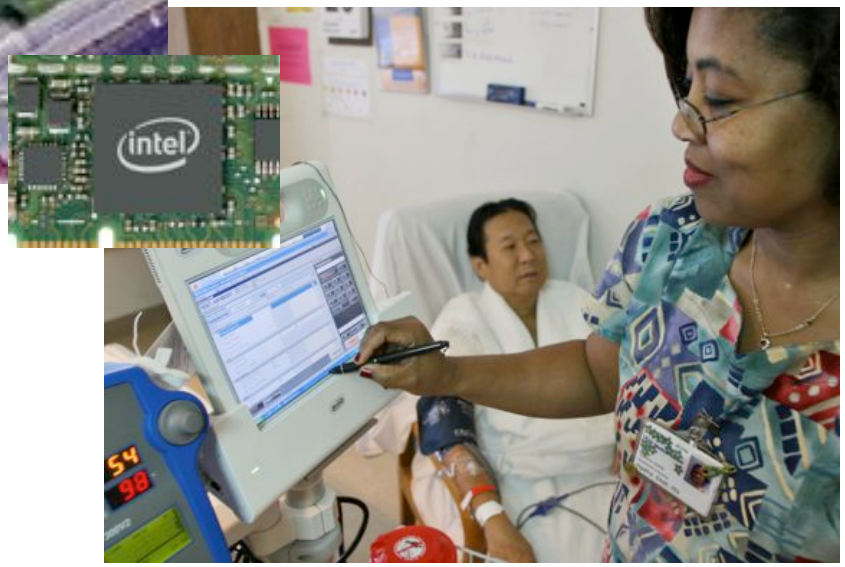
Municipal Wireless Applications

City of Folsom Partners for Economic Development

WiMAX pilot offers public hotspot access, experimental platform for Intel Corp.

- Funded by City, Intel
- Attracted participation by companies new to Folsom
- Continues to draw prospective investors





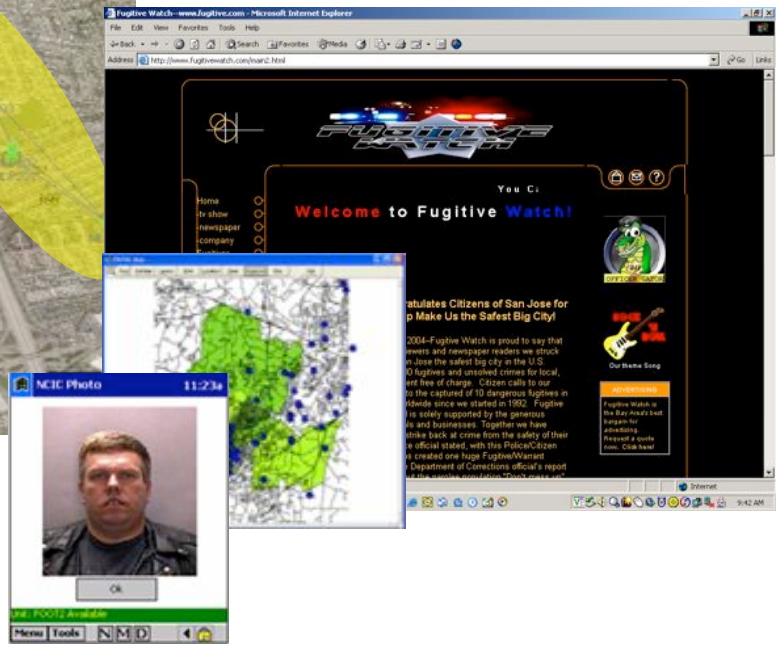
Source: Intel Corp., TVA

Faster Public Safety Response in City of Milpitas

Measurable results from improved communications & access to information

Originally city-funded, Earthlink took over & failed, city now reclaiming system

- DMV records & photos
- Law enforcement info & response
- Surveillance
- Traffic info
- Hazmat info
- Weather forecasts



Emergency Response May - October 2004 vs 2006

- 3:52 3:33 3:43 3:37 3:28 4:03
- 2:33 3:03 3:19 3:01 3:23 2:41

Source: City of Milpitas

Health Care Objectives in City of Tucson

WiFi system to securely link EMTs with regional trauma center & ER doctors

- Wireless mesh network
  - 18 ambulances
  - Trauma center
  - Emergency room
  - 227 sq. mi., 414 nodes
- $1.9 mil Federal grant
  - Other funding too
- Used by Tucson F.D.
  - Being expanded to public works, P.D.
- Improves care, cuts costs

Source: City of Tucson

Educational Focus for East Palo Alto Wireless System

Community Wireless Corp. brings broadband connections to non-profits

"Cellular" AP

- Range of AP ~ 1000-1400 ft.
- 12 AP (1/5) for similar coverage, 1.7 sq. miles
- Funded through public & private grants

I Have a Dream (job placement)

St Vincent de Paul Food Closet

St Francis Assisi Boys Club

Foundation for College Education

Source: Stu Jeffery, Seena Networks

Wireless Oakland Initiative
Community Meeting

Wireless Oakland Initiative

For feasibility study follow up comments, please phone 764-2425 or email OaklandWireless@tellusventure.com

Wireless Oakland Initiative
Community Meeting

Thank You Very Much!