



# 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



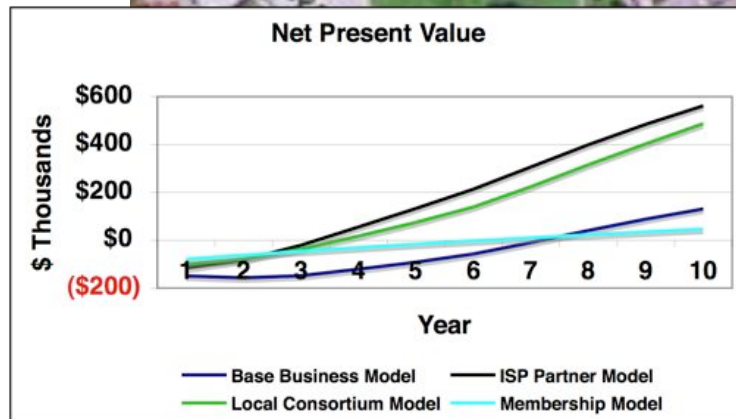


# City of Folsom Partners for Economic Development

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



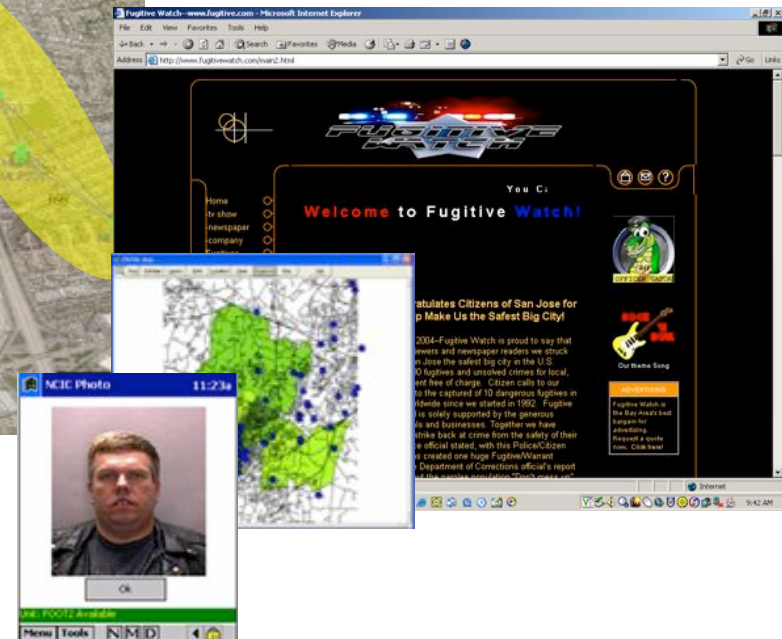
# Faster Public Safety Response in City of Milpitas

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





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**Wireless Oakland Initiative**  
For feasibility study follow up comments,  
please phone 764-2425 or email  
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Thank You Very Much!

