Information Technology Department
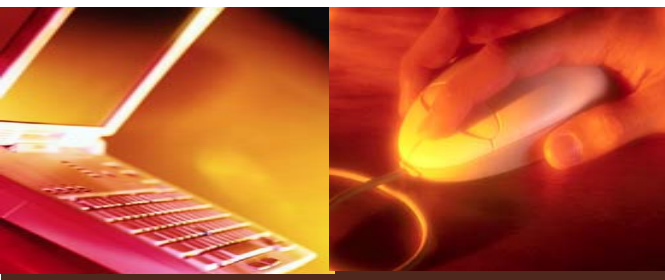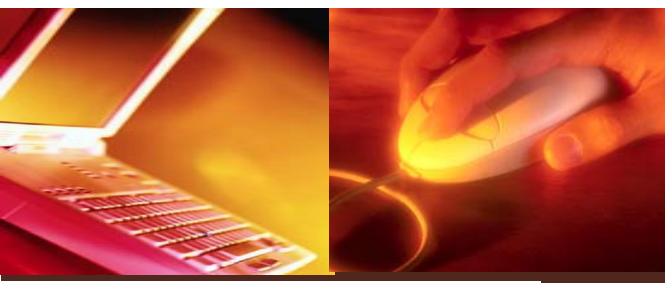
Santa Maria Enhanced Computer Room Project

April 13, 2010
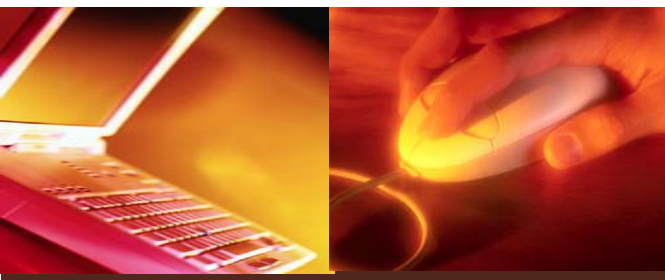
- The existing machine room in Santa Maria

  - Can no longer accept new equipment due to structural concerns and

  - Is dependent upon two portable air conditioning units to try to maintain room temperature at a safe level

    - Currently running at 80 degrees

    - Reaches 100 degrees in the summer

- ❏ Will enhance IT support to North County

- ❏ Will serve as a backup or failover site for the whole County in case of an emergency

- ❏ Will mitigate the risks associated with the County's aging machine room in the basement of the Santa Barbara Administration Building
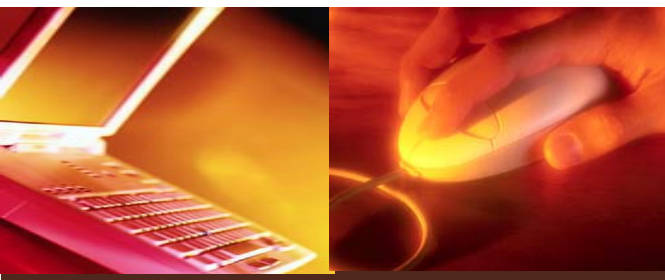
- ❑ Minimum requirements for the machine room include:

  - ■ High-volume air conditioning and humidity control systems

  - ■ Uninterrupted power supply via a combination of batteries and generator

  - ■ Specialized water-free fire suppression system

  - ■ Fiber speed connectivity
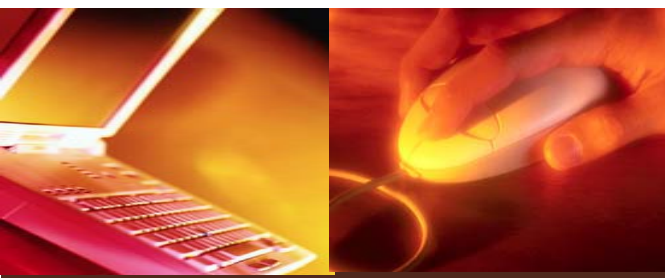
  - ■ Restricted and monitored physical access

❑ The planned 800 square-foot room is large enough to

- Relocate 79 pieces of equipment from the current computer room (servers, UPS, racks and monitors from District Attorney, Probation, CARE, Planning, Public Health and ITD)

- House the Sheriff Department's storage center, Social Service's North County equipment, redundant servers and storage for enterprise applications and equipment necessary to support the next generation of the County's phone system.

- Provide 30-35% capacity for growth

- Building C option was estimated at $350,000

- Building E, using an "apple-to-apple" comparison is estimated at $400,000

- A generator sufficient for the ECR and the rest of the building would cost about $140,000, which would bring the cost of the Building E option to $540,000

- Design changes would save the project approximately $122,000.

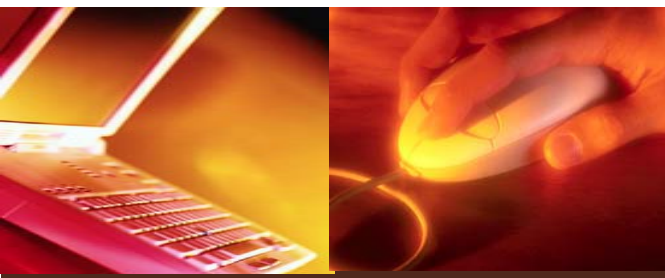- Net cost of incorporating the ECR into Building E is estimated at $418,000 ($540,000 - $122,000)

- Move mission critical network and communications components

- Right-size infrastructure to build the necessary redundancy to support business continuity and recovery

- Move DSS servers from closet to machine room

- Move DA, CARE, Probation, Planning and Public Health servers and applications currently housed in impacted machine room to new room

- Create additional rack space and offer to move all mission critical equipment (Sheriff's IBM Blade Center and others)

A/C Unit 1

A/C Unit 2

Santa Maria Enhanced Computer Room
Page 8

Santa Maria Enhanced Computer Room
Page 9

Questions?