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To PCSD School Officials/Board: Gary Callahan, Jane Escobedo, Lori Deen, Michael Baddeley, Sherry Chlebowski, Phoebe Ellis, Mary Johnson, Troy Sanderson
Re Realize \$1 Million+ in Revenues and Protect PCSD Students and Staff from Hazardous RF Microwave Radiation

A. Hardwired Internet Access for all PCSD Schools

Inputs & Assumptions

Qty Description

15 PCSD Schools (excluding two schools which are co-located with other schools)
7000 Students (round number estimate)
25 Students per classroom (assumption)
280 Classroom Total (round number estimate)
\$500 Est. Cost per classroom to provide wired Internet Access
\$1,500 Est. Cost per school to move Ethernet wire to center of each classroom ceiling

Calculations: Estimated Costs to Extend Existing PCSD Wired Network

Qty Description

\$140,000 Est. Total Cost to provide wired Internet Access
\$22,500 Est. Total Cost to move Ethernet wire to center of each classroom ceiling
\$12,500 7% fudge factor for unanticipated costs and project management
\$175,000 Estimate to Wire All Classrooms to provide One-to-One Internet Access

B. Cost of Equipping 7,000 iPads to Connect to Hardwired Internet Network

Inputs & Assumptions

Qty Description

7000 iPads already owned
\$35 Bulk price of each Apple Lightning to USB 3 Camera Adapter (<http://www.apple.com/shop/product/MK0W2AM/A/lightning-to-usb-3-camera-adapter>)
\$18 Bulk price of each Anker USB 3 to Gigabit Ethernet Adapter (<https://www.amazon.com/Anker-Unibody-Aluminum-Ethernet-Supporting/dp/B00PC0H9IE/>)

Calculations: Estimated Costs to Equip 7,000 iPads to Connect to Hardwired Internet Network

Qty Description

\$245,000 Total Cost for 7,000 Apple Lightning to USB 3 Camera Adapters
\$126,000 Total Cost for 7,000 Anker USB 3 to Gigabit Ethernet Adapters
\$371,000 Est. to purchase adapters to enable 7,000 iPads to Connect to Hardwired Internet Network

C. Cost of Equipping 7,000 Chromebooks to Connect to Hardwired Internet Network

Inputs & Assumptions

Qty Description

7000 Chromebooks to replace 7,000 iPads
\$14 Bulk price of each Plugable USB 3 to Gigabit Ethernet Adapter (<https://www.amazon.com/Plugable-Gigabit-Ethernet-Network-Adapter/dp/B00AQM8586/>)

Calculations: Estimated Costs to Equip 7,000 Chromebooks to Connect to Hardwired Internet Network

\$98,000 Est. to purchase adapters to enable 7,000 Chromebooks to Connect to Hardwired Internet Network

D. Revenues for Selling 7,000 iPads in Open Market and Replacing with 7,000 Chromebooks

7000 iPads already owned

\$400 Est. Used price for iPad Air 2 (<https://glyde.com/buy/used-ipad-air-2>)
\$200 Est. Price for Equivalent Chromebook (<https://www.amazon.com/Newest-Flagship-11-6-Inch-chromebook-celeron-2955U/dp/B01EZESBRU/>)
\$200 Est. Revenue for swapping each iPad for a Chromebook

Calculations: Estimated Revenues Earned for Swapping 7,000 iPads for Chromebooks

\$1,400,000 Est. Revenue for swapping 7,000 iPads for Chromebooks
(\$98,000) Est. to purchase adapters to enable 7,000 Chromebooks to Connect to Hardwired Internet Network
(\$175,000) Est. to Wire all PCSD Classrooms to provide One-to-One Internet Access
\$1,127,000 Estimated Revenues Earned by Swapping 7,000 iPads for Chromebooks