

## Energy Efficient Televisions for Non-Patient Areas

**Environmental and Human Health Impact:** New Energy Star televisions are projected to reduce TV-related energy consumption by 50 percent, or 197,000 Kwh per year.  
**Business Impact:** Annual energy savings, after the 10 year conversion, 194,000 dollars

### Challenge

Hospitals and medical office buildings contain a surprising number of televisions. They're used to entertain and educate patients, visitors, and employees. At Kaiser Permanente our entire fleet of televisions is roughly 40,000, with 50 percent being in non-patient areas. Televisions used in patient areas, like patient rooms, require specifications that allow for more flexible user preferences. We aimed to standardize non-patient televisions to Energy Star first, with patient televisions soon to follow.

### Aim/Goal

- Set national standard for Energy Star rated televisions for all non-patient areas, with realistic conversion period of 10 years.

### Team

Michele Sepeda, SCAL Regional Manager National Facilities Services (NFS)

Tamara Morgan-Voyce, NCAL Regional Manager for National Facilities Planning

Joette Platenak, Senior Manager - Procurement & Contracts, CA Start-Up Services

Ryan Malmborg, Procurement & Contracts Lead, CA Start-Up Services

Danielle Williams, Project/Capital Buyer, CA Start-Up Services

### Actions Taken

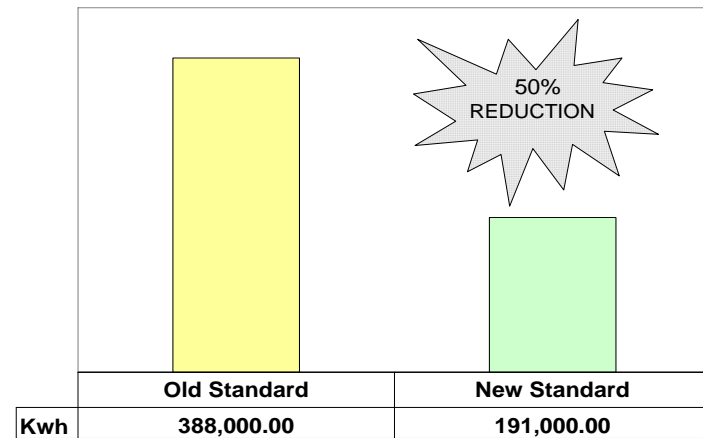
- ✓ Investigate Energy Star rating of televisions currently used at Kaiser Permanente in 2009, uncovering that the fleet was not Energy Star rated and consumed approximately **388,000 Kwh per year**.
- ✓ In 2010, made Energy Star rated LG televisions a new NFS standard going forward, for all non-patient areas.
- ✓ A new manufacturer, Samsung, was introduced in 2011 to expand our goal to procure only televisions that are Energy Star rated.
- ✓ Obtained agreement from the National Supply Chain Leadership Team, to utilize either LG or Samsung televisions as the new national standard, in non-patient areas.

- ✓ Performed analysis of entire portfolio, and transition timeline of the fleet to new products, and determined the percentage of energy savings we will realize over time.

### Results

- ✓ Manufacturer models chosen are at the lower end of energy requirements in this market: 70 – 80Kwh vs. 80 – 200+Kwh.

**New television standards will reduce the average Kwh to 191,000, or 50 percent of our current annual Kwh utilization.**



### Lessons Learned

- ✓ In order to ensure agreement to implement any product change throughout all KP facilities, a formal national standard needs to be established.

### Next Steps

- ✓ Establish a method of measuring the transition of the fleet over time, and reporting methods for cost and energy savings.
- ✓ Approve national standard for patient area televisions.
- ✓ Start sourcing effort to consider LED TVs.