

Arlington Building Energy Report Cards

ACPAC December 14, 2015

ARLINGTON INITIATIVE TO RETHINK ENERGY

Overview



- History of Building Energy Report Cards
- Challenges
- Demo of Report Cards Today
- Future of Report Cards
- Questions

History

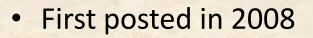
AIRE AIRE Arlington Initiative to Rethink Energy

100

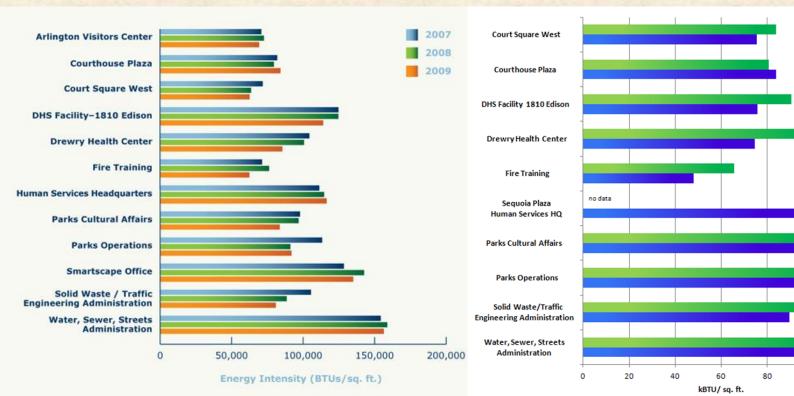
120

2007

2011



- Included ALL County buildings
- Updated annually
- Added pictures and descriptions of projects completed
- Links to energy performance labels, case studies, and monthly energy use



Challenges



• Time consuming to update

- Each element manually created and uploaded to web
- Changes in team made current process less feasible
- Few inquiries and page views from our community
- Data requestors, mostly researchers, said the data was not accessible

Walter Reed Community Center



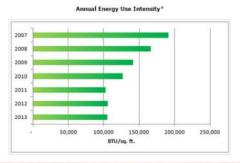
Waiter Read Community Center houses numerous programs throughout the day and evening, and serves as an Aduk Day Health Care Center. The center used more energy than anticipated or desired when it opened in May 2006. In 2008, AIRE funded a forensic engineering study of this building's performance. In 2013, the building's basketball gymnasium and outdoor lights were replaced with more efficient futures, including LEDs. Since 2007, total energy use at Walter Reed has been cut by 45 percent.

See the data and information below for more on the energy use and savings associated with this building.

2013 Energy Performance Label 2012 Energy Performance Label 2011 Energy Performance Label

Energy Use by Month (2007-2013)

Learn more about the Walter Reed Community Center with this 2010 Building Case Study.







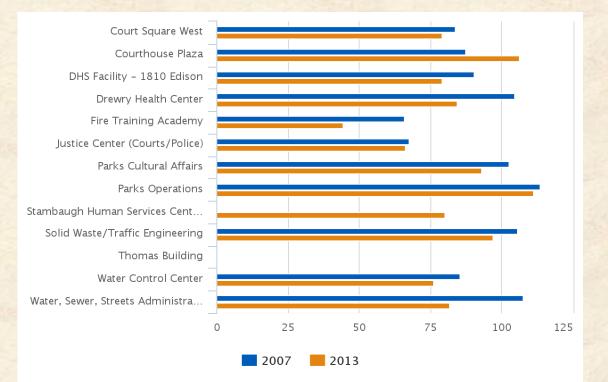
New Gym Lighting





Demo of Report Cards Today

- Lesson Learned: Partner with Technology Services
 - Transitioned to auto-generated charts and tables in early 2014
- <u>http://environment.arlingtonva.u</u> <u>s/energy/county-</u> <u>operations/building-energy-</u> <u>report-cards/</u>





Future of Building Energy Report Cards

- What we know:
 - Broad County initiative to make data more accessible
 - Technology department recently procured an open data platform **continuing on lessons learned
 - Plan is to pull data directly from EnergyCAP database

- To be determined:
 - What will it look like?
 - How will we include the more qualitative information, including projects, insights, and pictures?
 - How much time will it take and which department will be responsible for updates?

Questions?



Jeannine Altavilla, CEM Energy Program Analyst Arlington Initiative to Rethink Energy (AIRE) jaltavilla@arlingtonva.us 703-228-3557 www.arlingtonenergy.us