HIGHLANDS RANCH METROPOLITAN DISTRICT
BOARD MEETING ADDENDA

July 30, 2019

- HRCA Update July 30, 2019
- Building a better network for Highlands Ranch
- Senior Center Public Comments – Steve Taraborelli
- Memorandum: Senior Center Site Evaluation Process, Project Update July 30, 2019
Facility Maintenance Closures

• April  1 - 6    Westridge
• May    6 - 11   Southridge
• August 5 - 11   Northridge
• August 26 - 31  Eastridge
Eastridge Indoor Lap Pool

Rust Removal - Paint

8/12 – 8/31
Northridge Locker Room Renovation Project

(August 5th - Mid-October)

• Upgrade Lighting
• Upgrade Finishes
• Upgrade Flooring
• Upgrade Counter Tops
• Repair Drains
Northridge Men’s Locker Room
Northridge Women’s Locker Room
Building a better network for Highlands Ranch.

Verizon Wireless
July 30, 2019
At Verizon, we don’t wait for the future. We build it.
What it takes to keep you connected

In fractions of a second:

• The voice, text and data from your device is converted to digital packets

• Those packets are transmitted using radio waves to the nearest cell site

• The data travels through a high speed connection to a network switching center

• The switch directs the data to the destination device
A wireless network is a lot like a highway

More wireless traffic needs more wireless facilities just like more vehicle traffic needs more lanes.
Why?

Connected devices in North American households with smartphones outnumbering tablets 6 to 1.\(^3\)

<table>
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<th>13</th>
<th>48 GB</th>
<th>75%+</th>
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<td>18x</td>
<td>90%</td>
<td>80%+</td>
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The average North American smartphone user will consume 13 connected devices in North American households with smartphones outnumbering tablets 6 to 1.\(^3\)

48 GB of data per month in 2023, up from just 5.2 GB per month in 2016 and 7.1 GB per month in 2017.\(^1\)

75%+ of prospective home buyers said a good cellular connection was important to them and 83% of millennials said cell service was the most important factor in purchasing a home.\(^2\)

18x How much mobile traffic has grown over the past 5 years\(^3\)

90% of U.S. households use wireless service\(^4\) and around 57% of American households are now wireless only for voice service.\(^5\)

80%+ of all 9-1-1 calls are made from wireless devices.\(^6\)

How we engineer a network you can rely on
Small cells accelerate the benefits of 4G LTE and eventually 5G, the Internet of Things and Smart Cities solutions for consumers, businesses and emergency services.
Small wireless facilities – Traffic Signals
Small wireless facilities – Verizon Structure
Small wireless facilities – Verizon Structures
Health and safety background.

Health and safety organizations worldwide have studied potential health effects of RF emissions for decades, and studies continue.

According to the FCC, measurements made near a typical 40 foot cell site have shown that ground-level power densities are 1,000 times less than the FCC's limits for safe exposure.

The Federal Communications Commission (FCC) guidelines for operating wireless networks are based on the recommendations of federal health and safety agencies including:

- The Environmental Protection Agency (EPA)
- The Food and Drug Administration (FDA)
- The National Institute for Occupational Safety and Health (NIOSH)
- The Occupational Safety and Health Administration (OSHA)
- The Institute of Electrical and Electronics Engineers (IEEE)
- The National Council on Radiation Protection and Measurements (NCRP)

Wireless technology, equipment and network operations are highly regulated.

More information can be found through these organizations:

Federal Communications Commission Radio Frequency Safety Program:
http://www.fcc.gov/oet/rfsafety/

Food & Drug Administration “Cell phone facts”:

World Health Organization:

American Cancer Society
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Confidential and proprietary materials for authorized Verizon personnel and outside agencies only. Use, disclosure or distribution of this material is not permitted to any unauthorized persons or third parties except by written agreement.
Building a wireless network you can rely on in a crisis.

The reliability of your cell phone is never more important than when crisis strikes. That's when a simple call or text message can make the difference between life and death.

We build reliability into every aspect of our wireless network to keep customers connected when you need it most.

Reliability starts when we choose the safest, most secure locations for our wireless equipment. The likelihood of earthquakes, and risk from wildfires, mudslides, floods, hurricanes and more are all considered.

When disaster strikes, we coordinate with first responders and can mobilize charging stations, special equipment, emergency vehicles and more to support local, state and federal agencies in all 50 states.

It's who we are.

With over 80% of 911 calls now coming from cell phones…¹

240 million

911 calls are made annually. In many areas, 80% or more are from wireless devices. ¹

¹. National Emergency Number Association, Enhancing 9-1-1 Operations With Automated Abandoned Callback & Location Accuracy (Motorola Solutions) (August 23, 2018)
². National Emergency Number Association, 9-1-1 Statistics (January 7, 2019)
Benefits

Resiliency
- Redundancy
- Smart cities
- 5G foundation

Reliability
- Emergency services for citizens
- Vital communications for law enforcement and first responders

Enhanced wireless services
- Voice, video and data
The promise of 5G

“With 5G, we are ushering in a fourth industrial revolution that will help reshape cities and lead to unprecedented innovation.”

-Hans Vestberg, Verizon CEO
Questions?
Thank you.
1. I support and appreciate HRMD and the senior club on the senior center expansion goal.

2. The senior club appears to be commandeering the 22,000 sq ft/$12 million dollar senior center process. There needs to be more multi-generational input into a facility that will eventually be used by people who are in their 40's and 50's. Taxpayers of all ages paid into this fund.

3. At last month’s board meeting, it was counter-argued by one senior club speaker that people 55 to 64 years old generally work and wouldn’t use the senior center. Which I 100% agree, and she unknowingly supported my argument that there is not enough demand in the 65+ age group to support a 22,000 sq ft/$12.0 million-dollar senior center.

RECOMMENDATIONS:

A. Even though HRCA says there is nothing further to discuss, maybe it can be tabled to do a joint venture multi-generational fifth rec center. Has this been discussed?

B. The Metro District procure a lease in a vacant commercial facility that is in the 8,000 to 10,000 sf ft range and over a 2-3 year period, gather usage and financial metrics that can be used to guide whether to stay as-is, downsize or increase the facility size to accommodate demand.

LASTLY

I read the WSJ, July 25, 2019 article titled, "Chicago Betrays the Public Trust" and two points stand out.

1. Quote: "Politics often allow the strong to trample the weak".

2. Quote: "Public-trust doctrine, under which a municipality owes a duty of loyalty and care to its citizens analogous to a corporation’s duty to its shareholders. Cities must follow transparent procedures and work to maximize residents’ gains, not give huge public handouts to politically powerful private entities”.

In my opinion, the senior club is the politically powerful entity getting a $12 million-dollar public handout. Or better yet, the title of the article should be retitled to, “The Squeaky Wheels Gets the Grease”.
MEMORANDUM

TO: Highlands Ranch Metro District Board of Directors
FROM: Carrie Ward
DATE: July 30, 2019
RE: Senior Center Site Evaluation Process, Project Update

This memo is for: ☑️ Action ☐ Decision ☒️ Information

Project Team: Terry Nolan, Carrie Ward, Jeff Case, Stephanie Stanley, Forrest Dykstra, Carolyn Peters, Jodie McCann, Dave Parks, Ken Standen

Project Update:

- Project Team continues to research and evaluate list of twenty three sites that have been identified by staff or suggested by Board members and the public.

- Most of our work is focused on the sites that are most feasible, based on the criteria, to determine:
  - Necessary steps for acquisition
  - Utilities
  - Site development costs (Including utilities, grading etc.)
  - Site fit tests for building and parking
  - Access and traffic
  - Possible neighborhood concerns

Meetings with Agencies/Property Owners:

- Work continues with Douglas County and Douglas County School District to understand future plans for some sites and what the process and timeline would be for requesting and acquiring property.

Next Steps/August:

- In August the Project Team will be wrapping up research and preparing the report be shared with the Board at their September 24, 2019 Board meeting.

- Public Works staff is preparing site development costs for the most feasible sites and maps for the report.
Senior Center Memo

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- Continued communications with property owners.

- Continue detailed research on the most feasible sites to identify constraints and opportunities.

- Chris Kastelic, architect, is finalizing his analysis of two of the most feasible sites to confirm if the proposed building and parking can be accommodated.

- Plan the public review and comment process on proposed sites so that public comments can be submitted after the Board receives the site evaluation report in September.