

Bellevue SmartConnectivity Update

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Direction Needed from Council

For information only

AGENDA: Connectivity Element Update

Background

Wi-Fi

Small Cell Wireless

Regional Partnerships

Bellevue Smart City Vision

Council Vision Bellevue is a "smart city" with a clean, high-quality environment and excellent and reliable infrastructure that supports our vibrant and growing city, including high-tech connectivity.



Smart City Elements

Projects are embedded across multiple departments, workplans and initiatives.

Connectivity

Improve consumer services and communications infrastructure, with focus on speed, availability and choice



Transportation

Improve people's ability to move around the city safely and efficiently



Public Safety

Further integrate infrastructure, services, agencies, and personnel to keep our residents and visitors safe



Water

Ensure high-quality delivery of water services to homes and businesses to minimize disruptions and increase customer service



Enhance building systems and analytics to improve building systems performance, efficiency and resource conservation



Energy

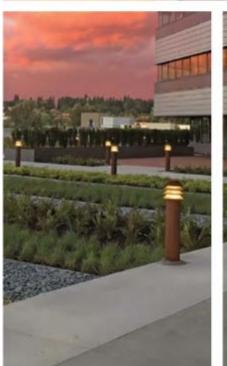
Improve and integrate energy systems to ensure sufficient, efficient and reliable energy that powers our modern digital society



Smart City Principle Strategies

- 1. Focus on proactive and adaptive
- 2. Drive with data
- 3. Pursue partnerships
- 4. Leverage regional relationships







Wi-Fi: Highland Village

- Addressing digital equity gap
- 76 units of affordable housing in 12 buildings
- Second King County Housing Authority property in Bellevue to get Wi-Fi
- Leverages
 Transportation's fiber
 network infrastructure
 on NE 8th St



Expanding Wi-Fi in Parks

More BellevueConnect Wi-Fi Added to Parks:

 Surrey Downs Park Great Lawn and Sport Court

South Bellevue Community
 Center Challenge Course and Zip
 Tour

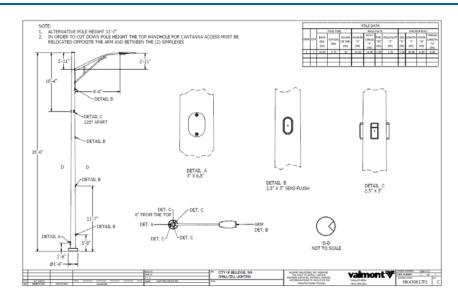
Wi-Fi already available in Community Centers, Downtown, Crossroads, Botanical Garden, Lewis Creek Park, Highland Park, Bellevue Youth Theater, Kelsey Creek Farm





Small Cell Wireless Progress

- Council actions in Jan and Mar
- Master License Agreements Signed:
 - OAT&T
 - Verizon Wireless
 - Crown Castle (T-Mobile, Sprint)
- Small wireless facilities permitting materials on city website
- Carriers working with city's street light pole manufacturer
- Street light data clean under way





Partnerships: Community Connectivity Consortium (C3)

SORTIUM

School Districts

Bellevue Federal Way Lake Washington Northshore Renton

Higher Education

Bellevue College University of Washington

Public Safety

ValleyCom NORCOM Renton Regional Fire Authority SCORE South Sound 911

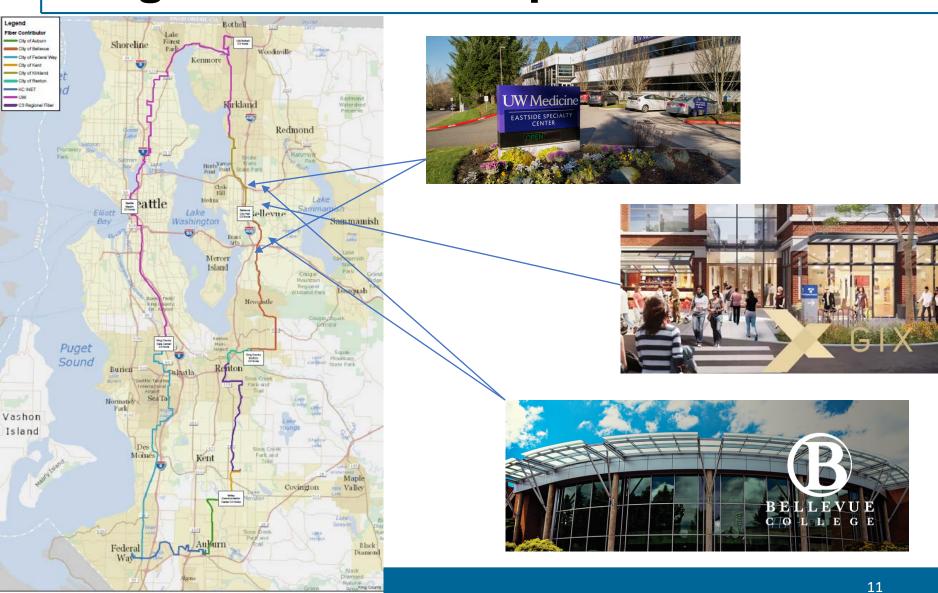
Medical

Evergreen Hospital Valley Medical

Local Government

King County
Cities – Algona, Auburn,
Bellevue, Federal Way,
Kent, Kirkland, Milton,
Newcastle, Pacific,
Redmond, Renton,
Seattle, Tukwila

Regional Partnerships in Bellevue



C3 High Speed Fiber Ring King County Washington

King County

Next Steps and Discussion

- Bellevue Smart Plan update by end of 2019
- Smart Water Meter pilot begins in Fall

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