



WSU Wireless Replacement Project

FALL 2018 Updates



WAYNE STATE
UNIVERSITY
Computing & Information Technology



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Agenda

- Wireless Replacement Project Updates
 - Wireless Replacement Scope
 - Wireless Replacement Timeline
 - Fall 2018 Startup



Wireless Replacement Scope

- WSU wireless currently includes:
 - ~100 buildings
 - ~3000 wireless APs
 - ~80,000 unique customer devices on WSU wireless
 - WSU-SECURE, WSU-PUBLIC and Eduroam



Wireless Replacement Scope

- Do 1-1 replacement of all existing APs
- Add additional APs in Top 25 Highest Usage Buildings
- Add outdoor wireless on main campus
- Upgrade WSU backbone network from 10gbps to 40gbps to support larger bandwidth



Wireless Replacement Scope

- Will provide seamless wireless experience across campus
- Advanced security features and on-boarding
- Increase speed from 600 Mbps to 1300 Mbps
- Planned environment will last 7+ years and support up to 8000 wireless APs



Wireless Replacement Timeline

LOCATIONS	TIMEFRAME
✓ New AWD Residence Hall	Summer 2018
✓ Wireless Replacement & Expansion Housing	Summer 2018
✓ Wireless Replacement - Top 25 Buildings	Summer 2018
Wireless Replacement – Remaining Buildings	Nov. 2018
Wireless Expansion – Top 25 Buildings	Nov. 2018 – June 2019
Outdoor Wireless	March 2019 – Dec. 2019



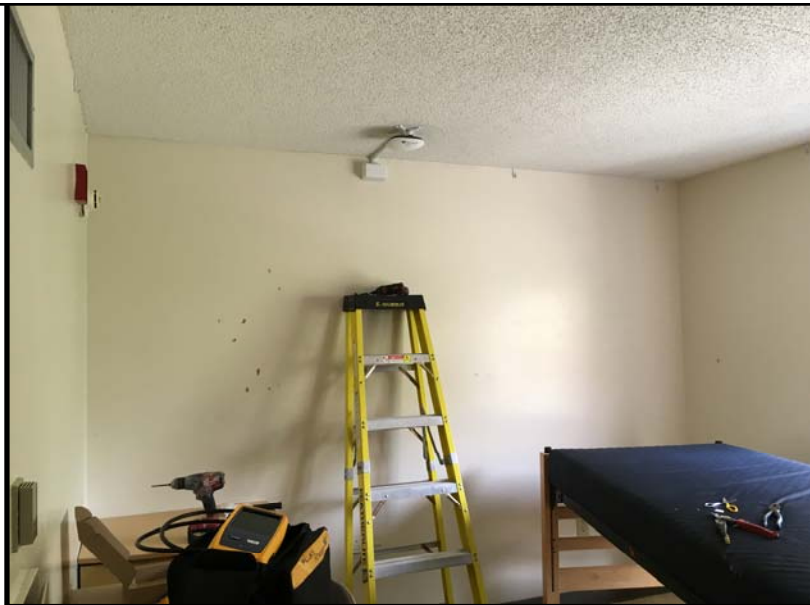
Wireless Replacement Timeline

- Over 2500 of 3000 wireless APs have been replaced
- Several crews of staff and vendors worked throughout the summer
- Work included replacing APs and switches

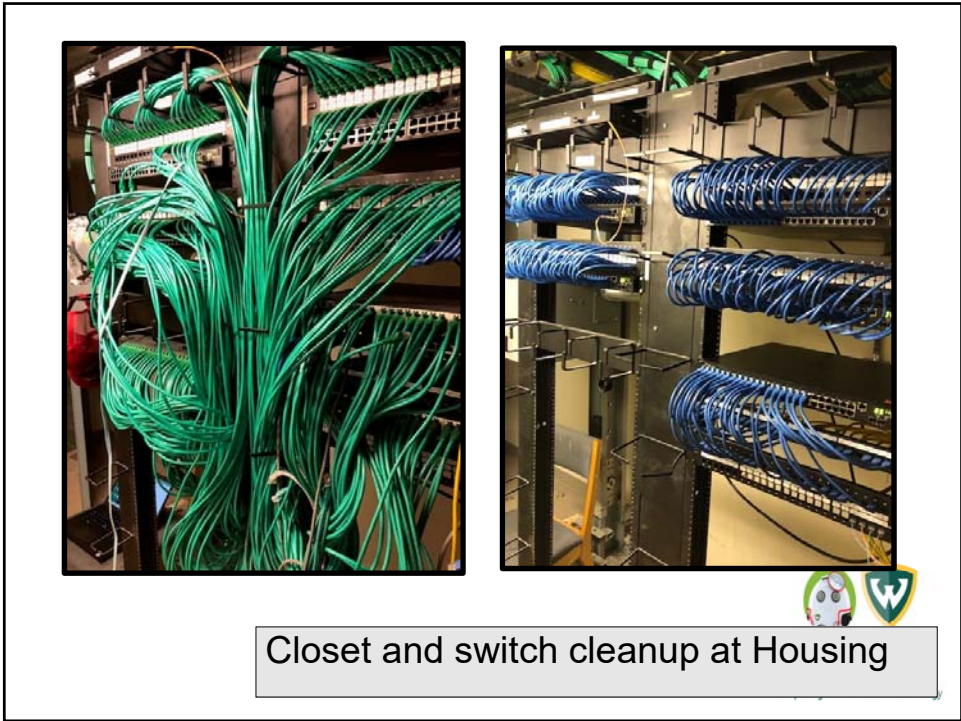




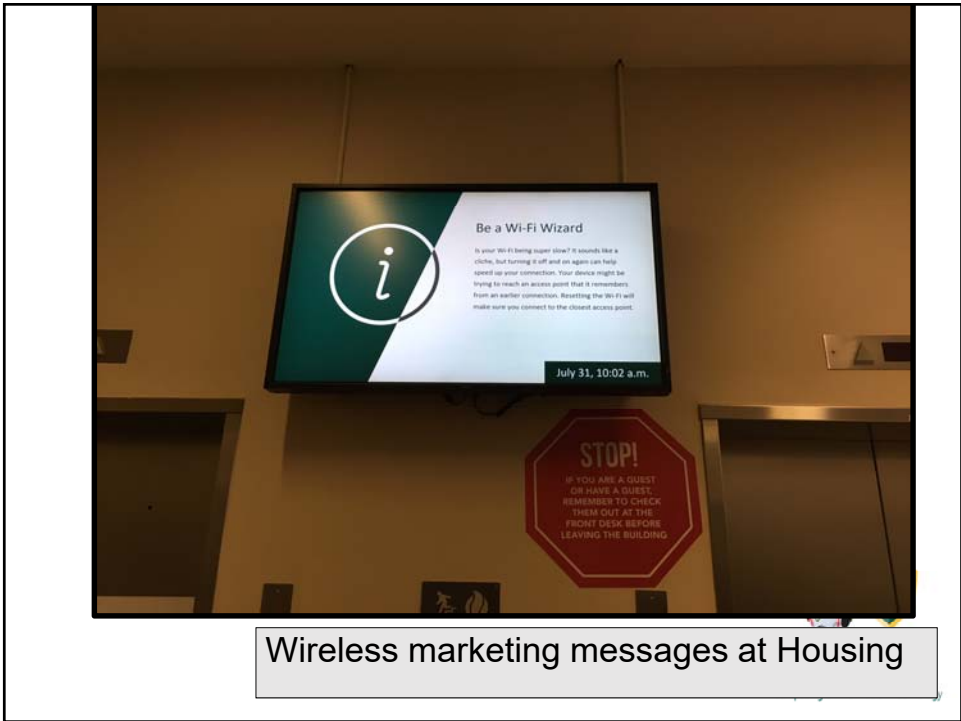
4000 APs arrive at C&IT Warehouse



AP Installation in Housing



Closet and switch cleanup at Housing



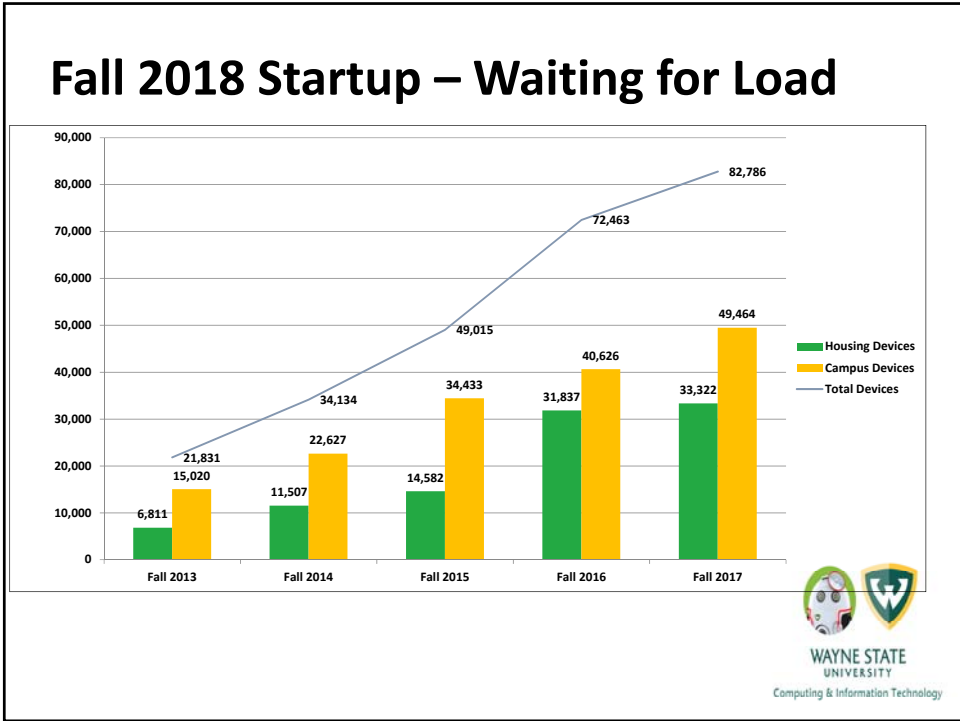
Wireless marketing messages at Housing



Fall 2018 Startup

- Housing Successes to Date:
 - Had over 15 C&IT volunteers work move-in weekend
 - Self-registration for gaming devices going well
 - Streaming IPTV going well
 - AWD door locks on wireless – hardware problem







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QUESTIONS?

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