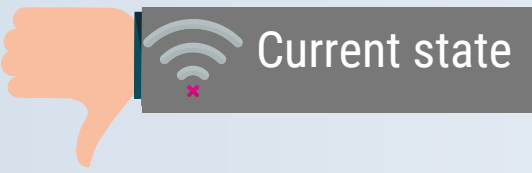


# Enhancing Wi-Fi at HPL

only **61%** of library users

feel comfortable with using free WIFI services. (2017 City Survey Report)



The main aim of the project is to improve the wi-fi connectivity, signal, strength, and user experience in all the 22 branches of Hamilton Public Library. The project focuses on providing a quality wi-fi experience to the guests as well as its users. The key challenges identified are:



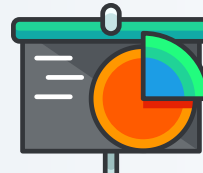
Agreeing to T&C



Insufficient coverage



Session timeout



Lack of tools for analyzing data and creating reports

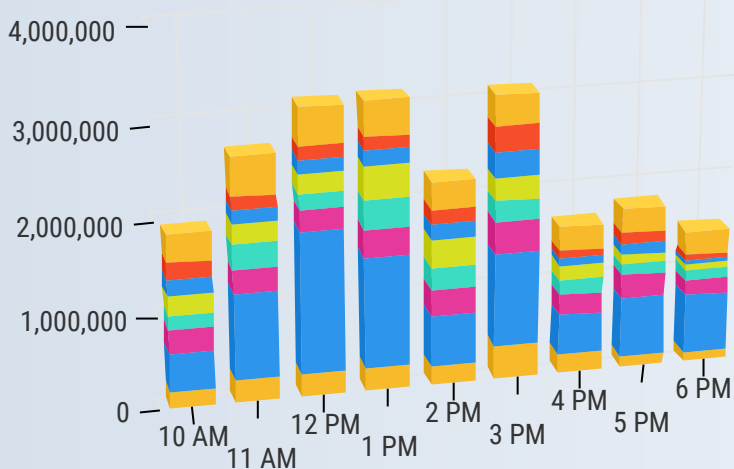


Inflexible configuration

## Key Findings



Data usage in kbps



Central  
Ancaster  
Binbrook  
Dundas  
RedHill  
Terryberry  
Waterdown  
Westdale

The peak hours of wi-fi usage in the busiest branches is 11am to 3pm. The bandwidth ranges between 2,000,000-3,500,000 kbps.

## Constraints

in change implementation

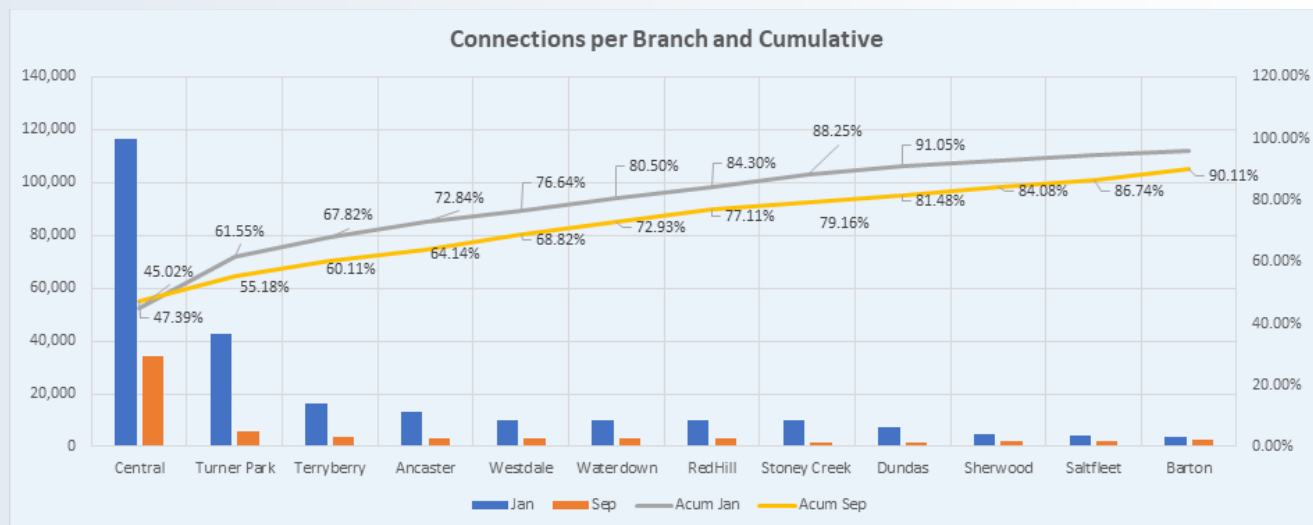
Service Disruption during or after change implementation

Compliance with strict public Health measures

Service Degradation can impact user experience

Network security

Out of the 22 locations of HPL, only 10 branches have wi-fi connections ranging between 45,000 to 100,000.



Desired state

## Recommendations

1

Conduct a site survey to determine technical fixes to boost the signal

2

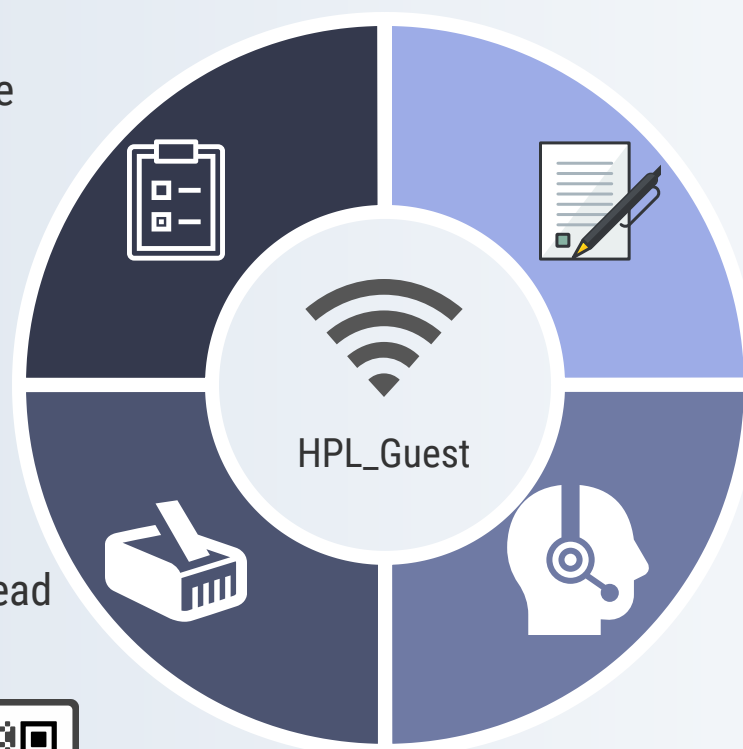
Library card owners can agree to the T&C and it can be recorded to avoid multiple signs in

3

Provide LAN cables to designated areas for guests to connect their laptops for using the internet instead of WIFI

4

Train the HPL CSRs to assist guest users in logging on the WIFI



For further information



SCAN ME