June 23, 2015 Technical Advisory Committee

Metro's Long Range Public Transportation Plan

King County METRO

Today's Workshop

Objective: Discuss trade-offs in service emphases

- Update on public engagement and feedback
- Review timeline and participation in developing the preferred alternative
- Begin discussion on what elements of each service emphasis are a good fit in different areas of the county
- Begin discussion on service integration with Sound Transit and other transit service providers

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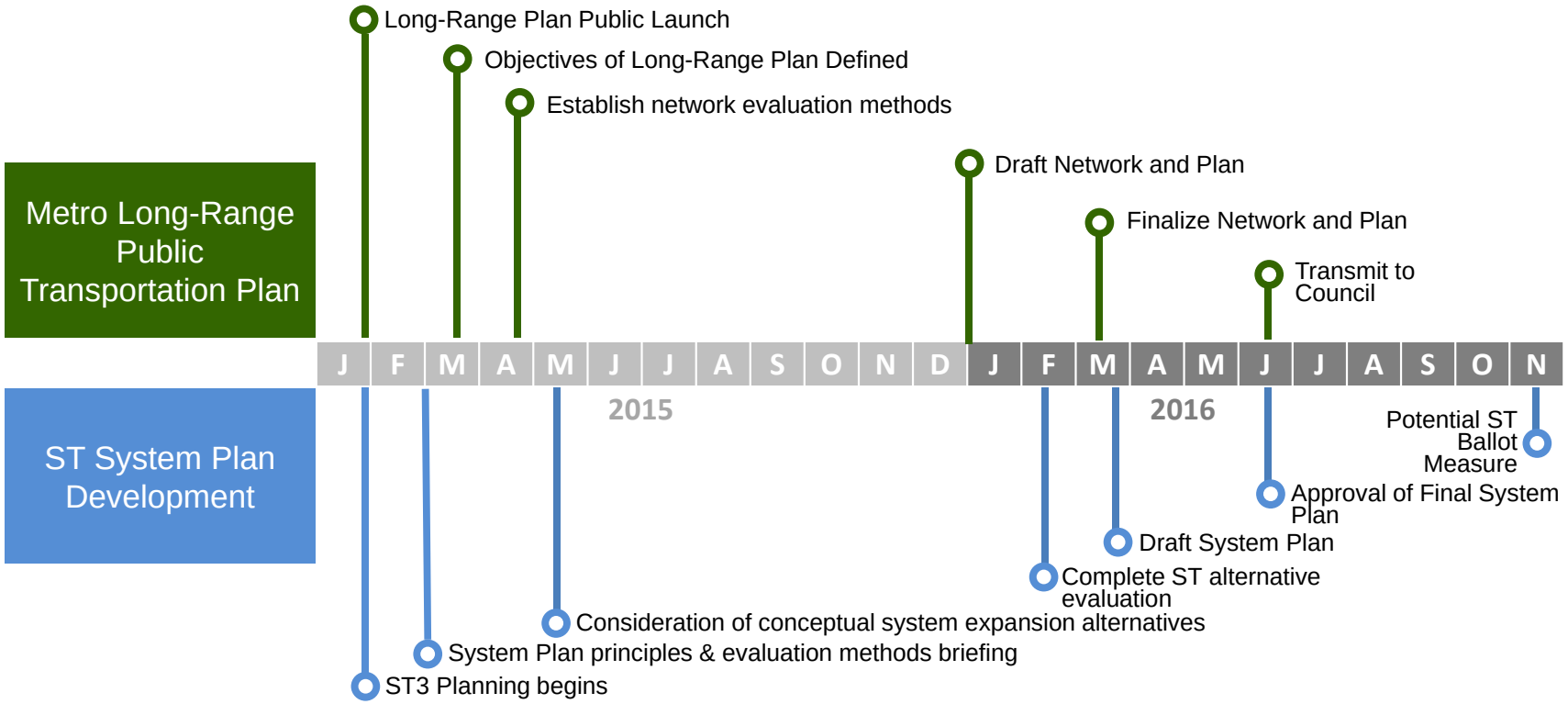
Coordinated Timeline



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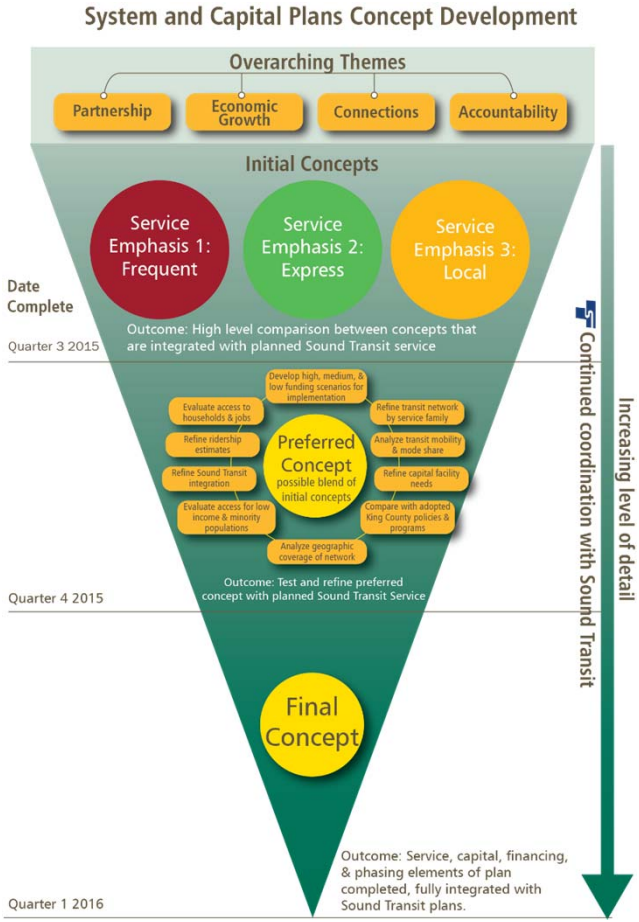
Getting to a Preferred Concept

Summer 2015

- Monthly TAC meetings
- Bi-Monthly CAG meetings
- Network performance throughout King County
- Collect feedback to develop draft Preferred Concept
- Continued ST integration

Fall 2015

- Full evaluation results and draft Preferred Concept discussion with RTC
- Continued ST integration



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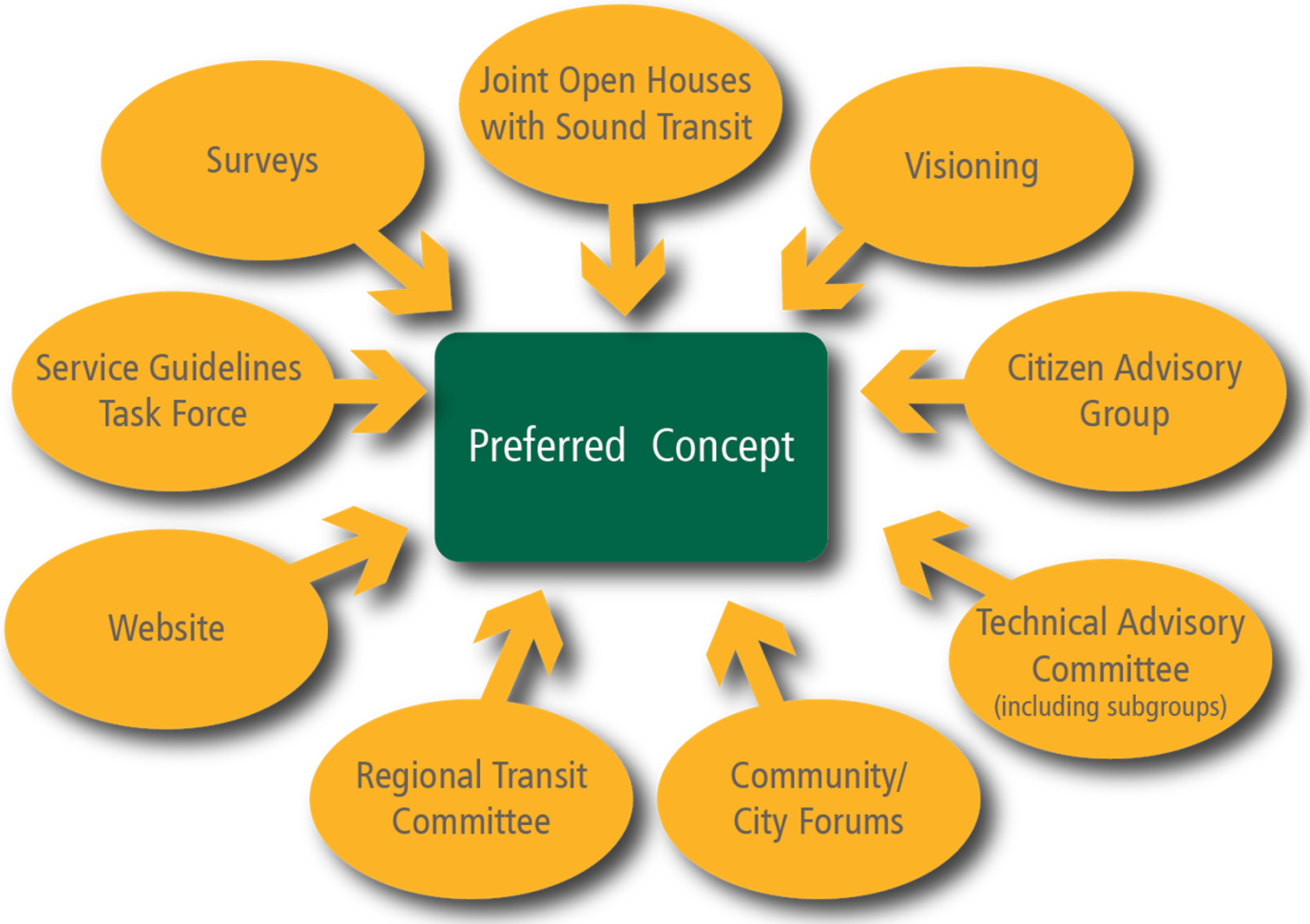
Public Outreach



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What We Have Heard So Far

Survey results show that people want to see:

- Frequent bus service that connects more people to where they live and work
- More service throughout more hours of the day
- More direct routes
- Shorter wait times for transfers
- Capital improvements that make transit faster and more reliable (transit-priority, grade separation, BRT) and more accessible (P&Rs)
- A well-integrated rail and bus system that is easy to use and maximizes use of the growing light rail system
- Technology to help customers know their wait and travel times

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Service Network Characteristics

- Three different service emphases tested to see how they perform countywide
  - Regionally adopted population and employment growth targets
  - Supporting capital facilities
    - P&R expansion
    - Direct access ramps
    - Speed and reliability improvements
- Same operating budget for all networks
  - PSRC's Transportation 2040 financial capacity
  - 2.5 million additional service hours (approx. 70% increase)

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Discussion Questions

Service Network

- What kind of service should be where and why?
- What connections are desired in the future?
- Are there locations where service should change?

Service Integration

- What should be the priorities for integration? Minimize service duplication, travel time, minimize transfers, etc.?

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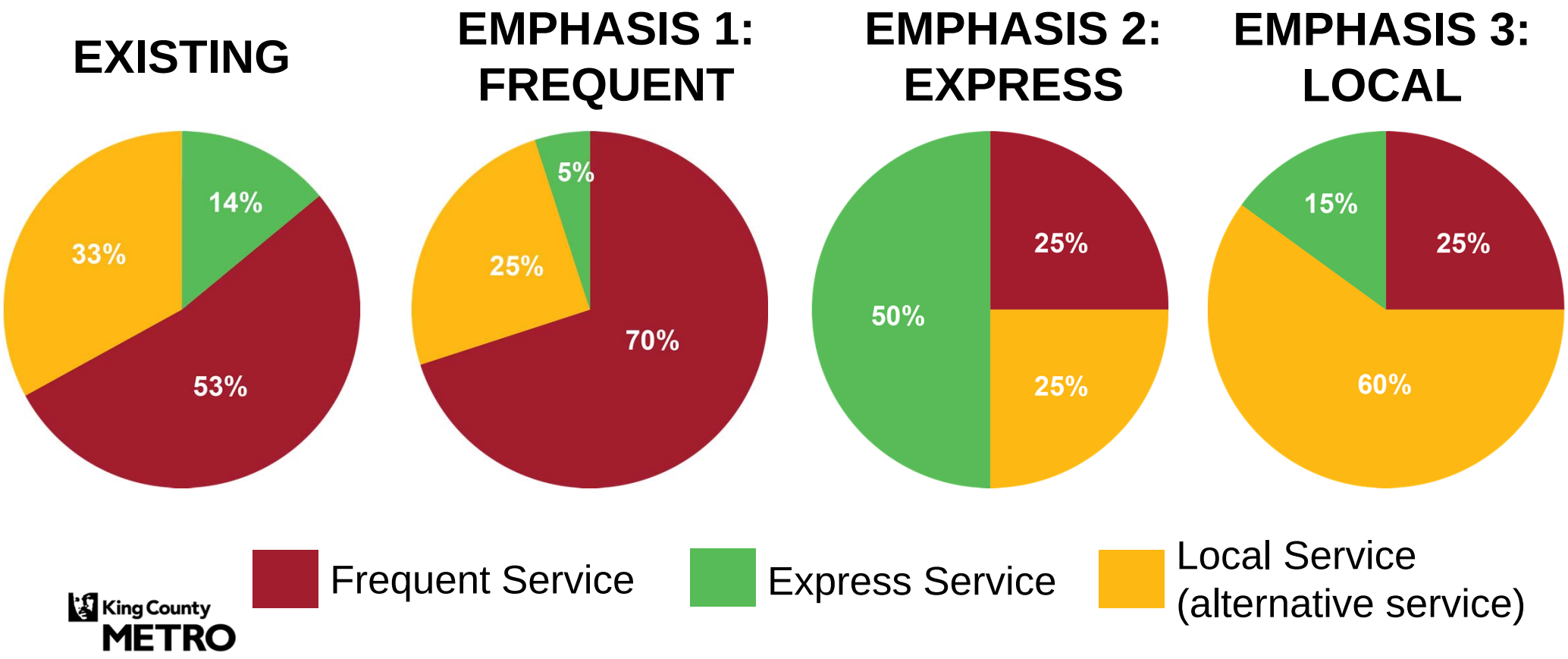
Existing and Draft Service Emphases



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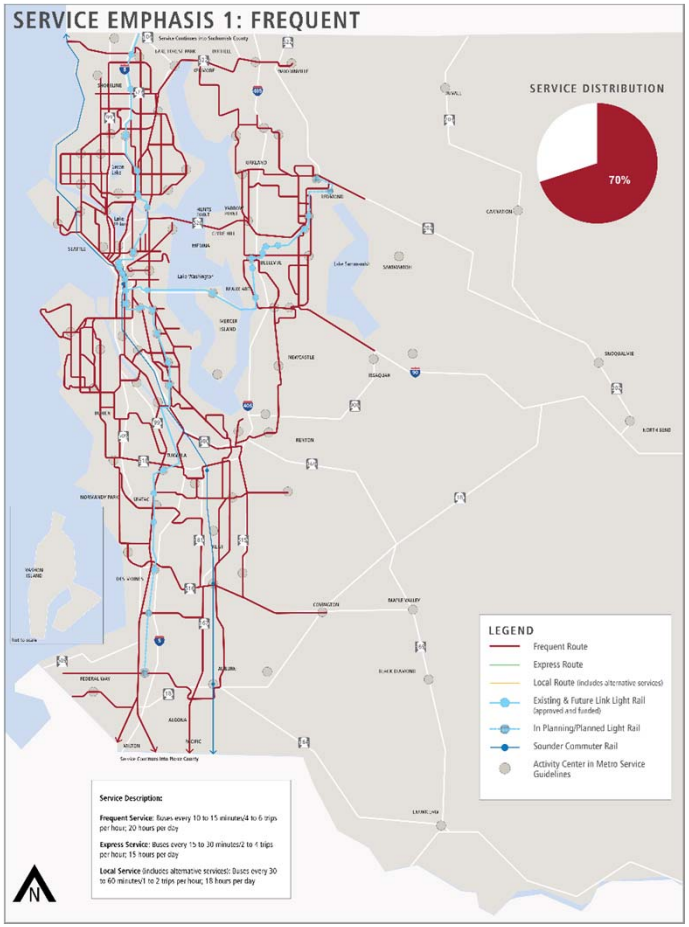
Service Emphasis 1 – Frequent

Performance evaluation

- Highest ridership
- Connects most people to jobs
- Greatest access to frequent service
- Lowest access to express service
- Greatest use of combined network



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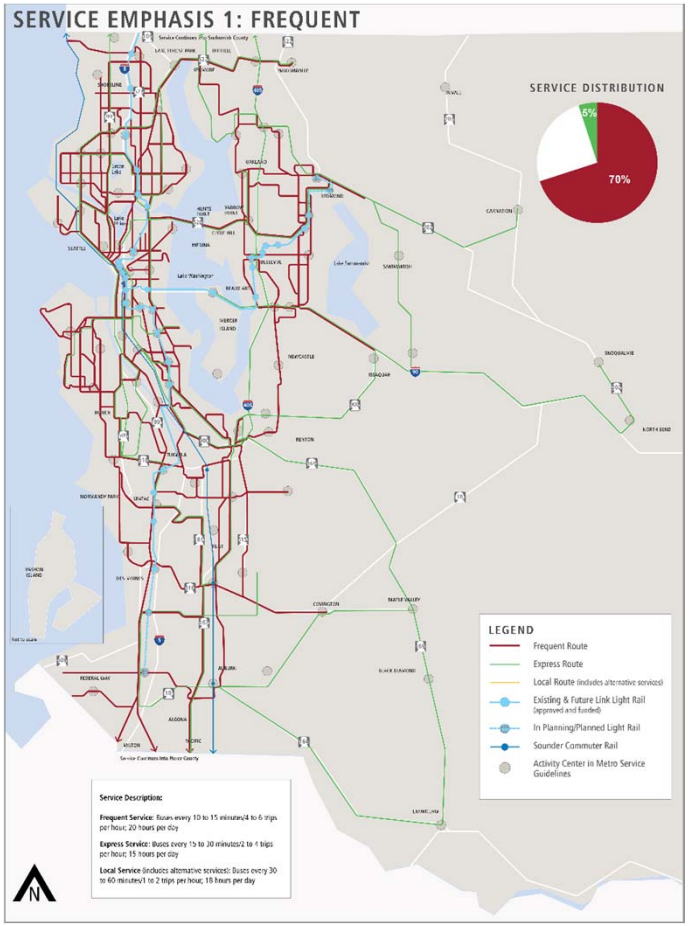
Service Emphasis 1 – Frequent



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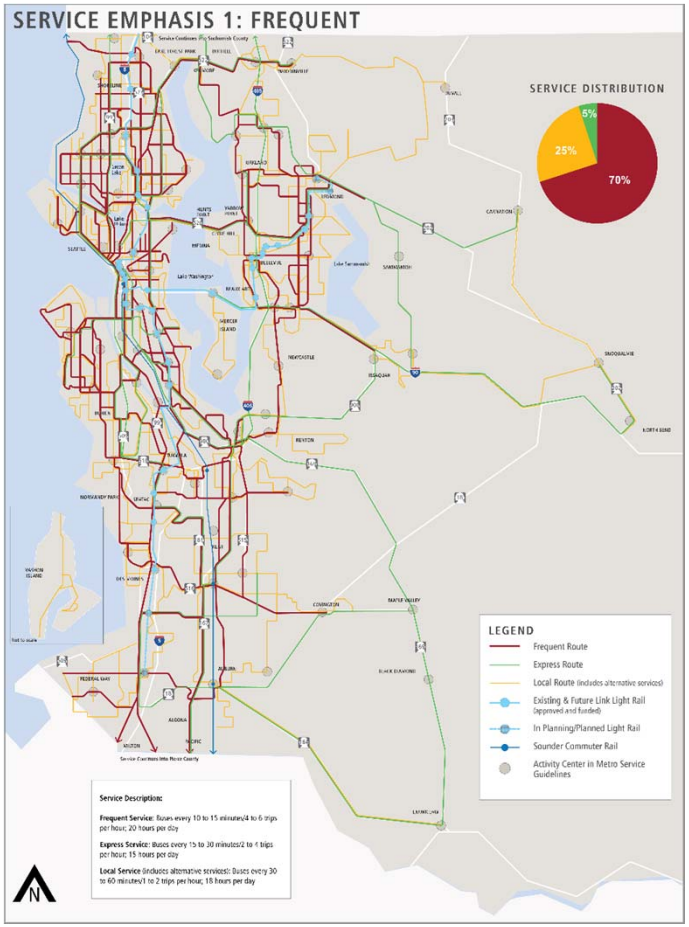
Service Emphasis 1 – Frequent



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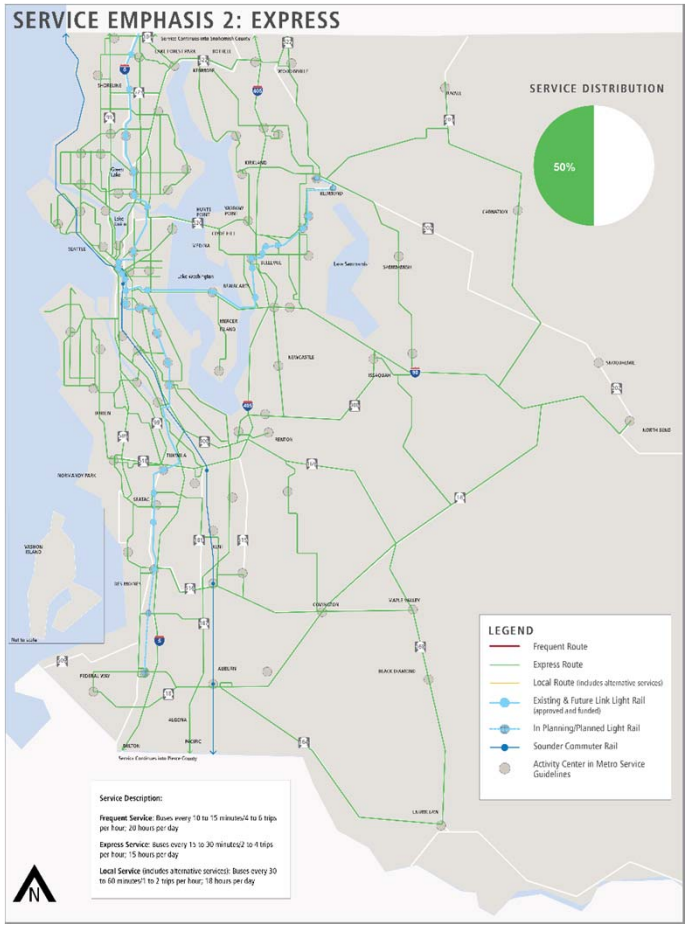
Service Emphasis 2 – Express

Performance evaluation

- Fastest travel times in peak
- Greatest peak mode share change
- Greatest access to express service
- Lowest access to overall service
- Least use of combined network



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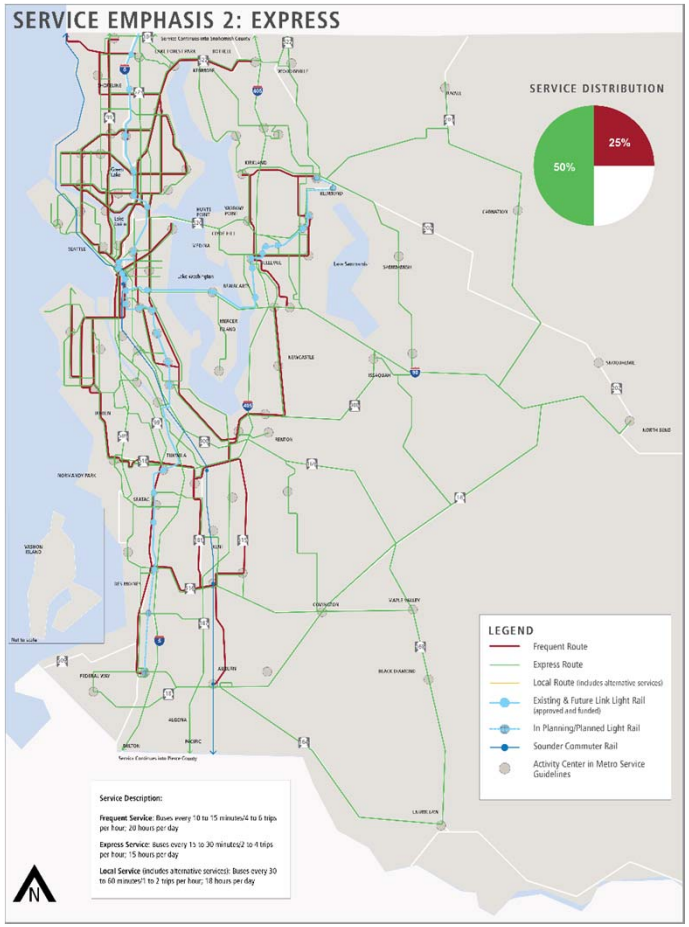

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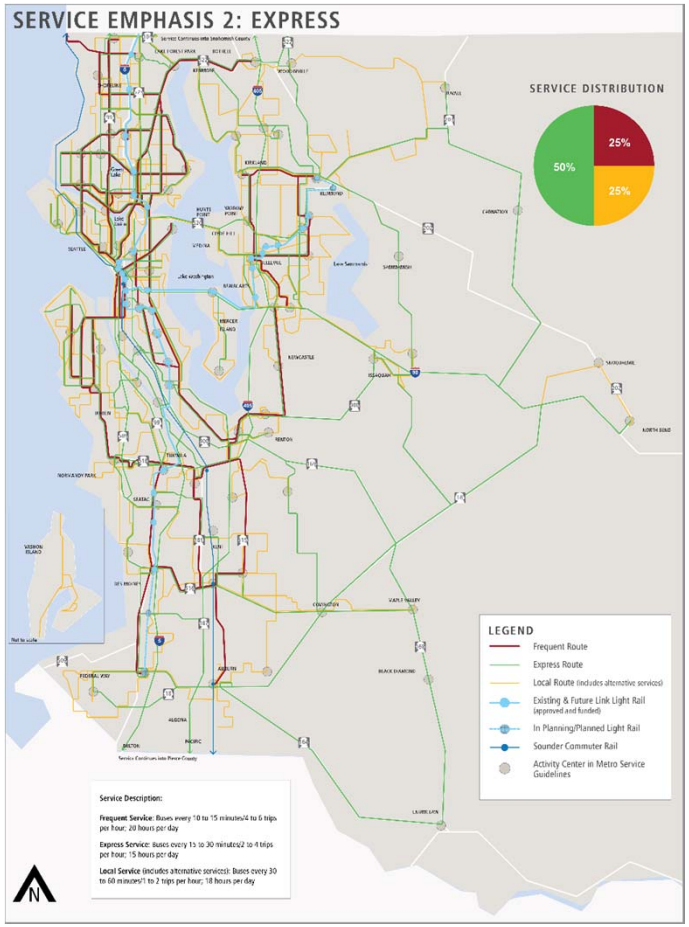

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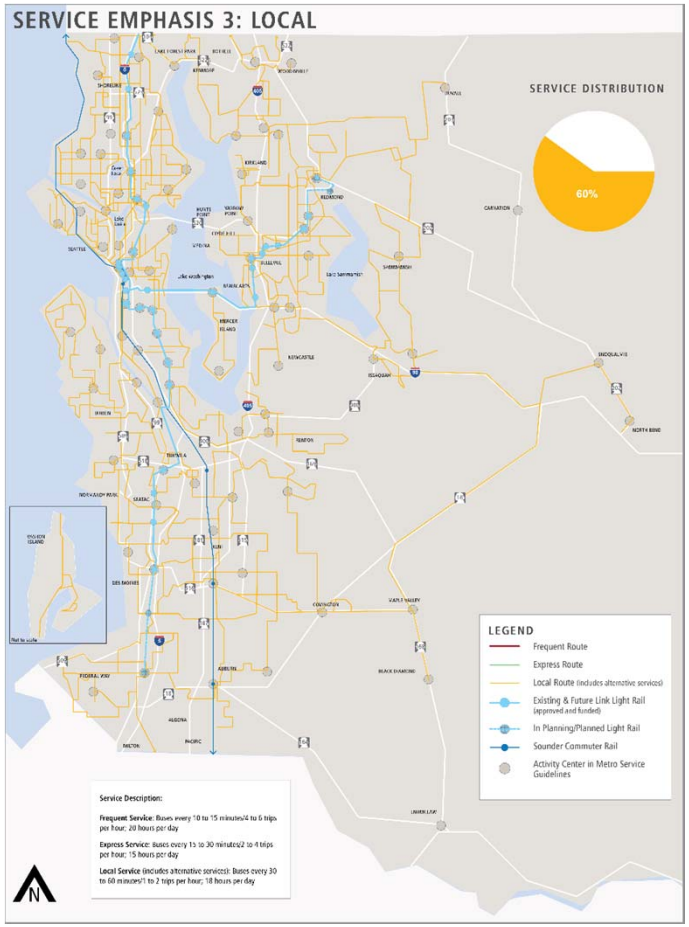
Service Emphasis 3 – Local

Performance evaluation

- Greatest access to service
- Lowest ridership
- Connects fewest people to jobs
- Some use of combined network



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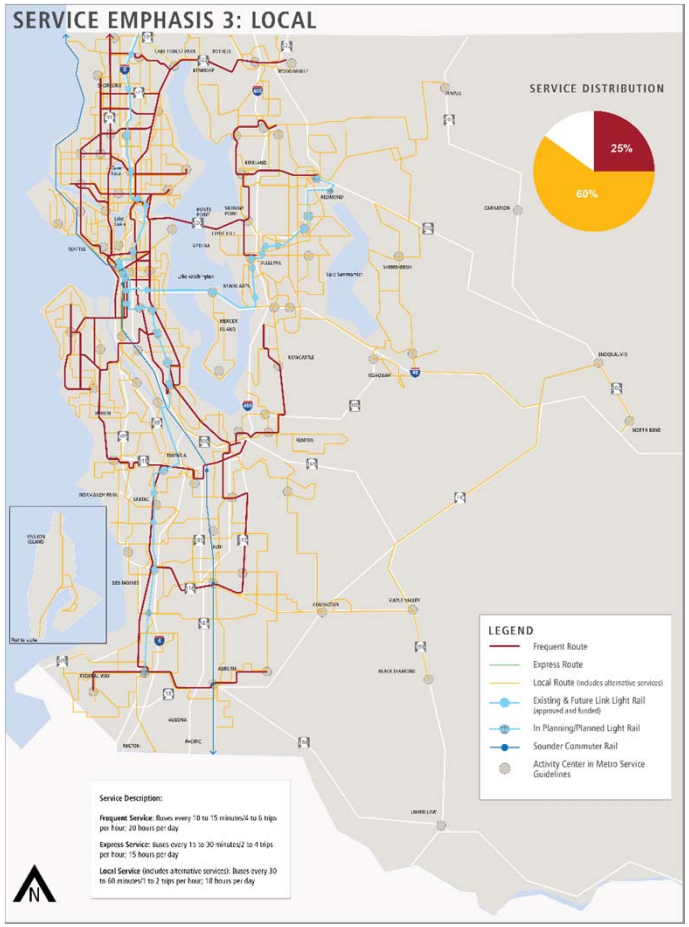

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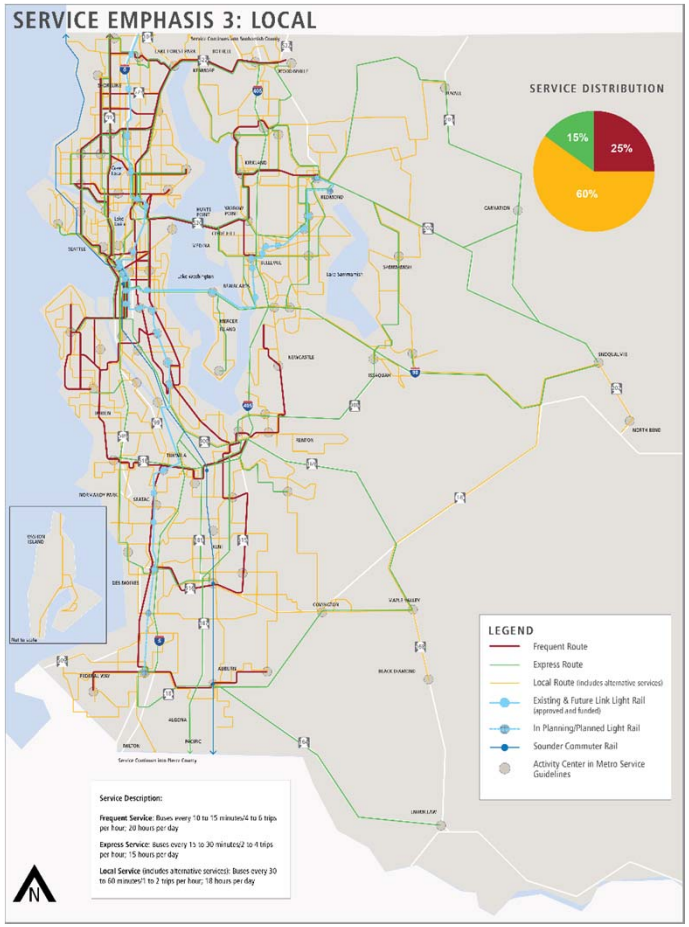
Service Emphasis 3 – Local



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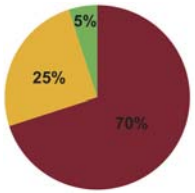
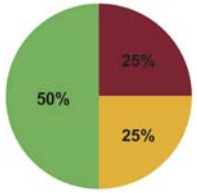
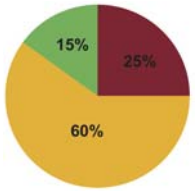
Service Tradeoffs

Service Emphasis 1 Frequent 	⇧ Highest Ridership/Connects most to jobs ⇧ Takes most advantage of combined network ● High proximity to transit ⇩ Longer travel times in peak
Service Emphasis 2 Express 	⇧ Fastest travel times in peak ● High Ridership/Connects to many jobs ⇩ Lowest proximity to transit ⇩ Takes least advantage of combined network
Service Emphasis 3 Local 	⇧ Highest proximity to transit ● Fast travel times in peak ● Takes some advantage of combined network ⇩ Lowest ridership/Connects fewest to jobs

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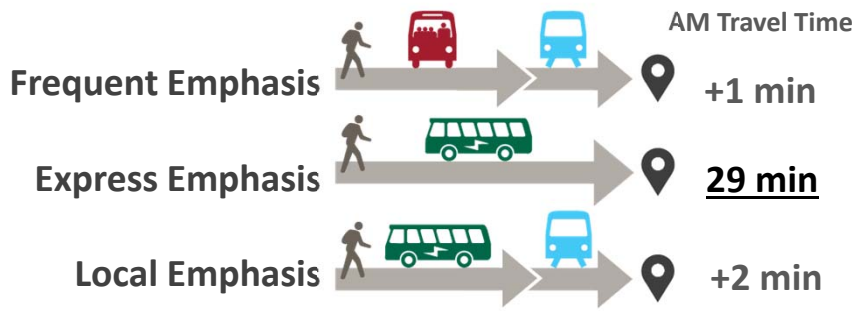
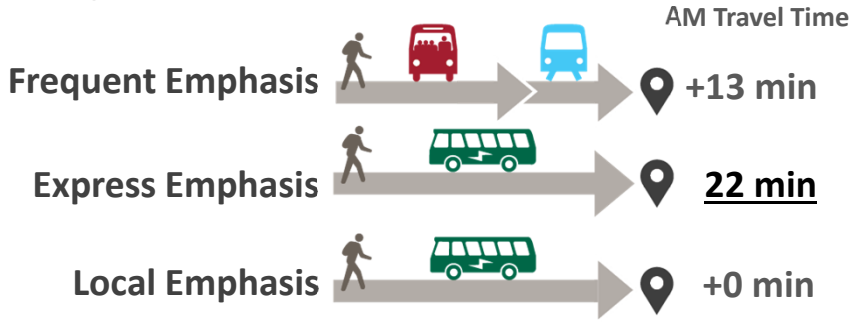
Service Integration – AM Period

2 Sample Trips

Lake City to Westlake Station



Issaquah TC to Bellevue TC

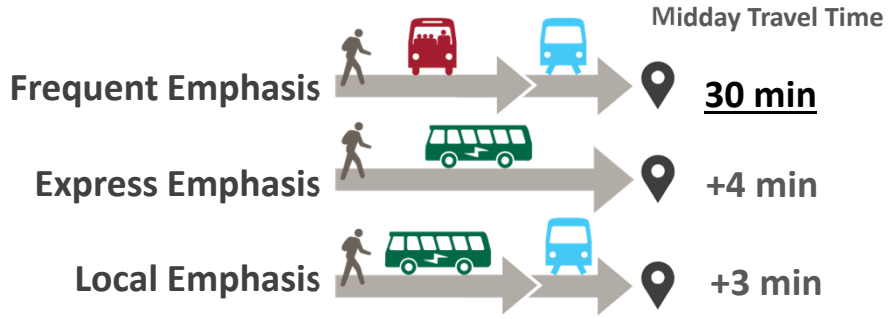


Fastest travel time is bolded and underlined. Travel time variance is shown for other emphases.

Service Integration – Midday

2 Sample Trips

Lake City to Westlake Station



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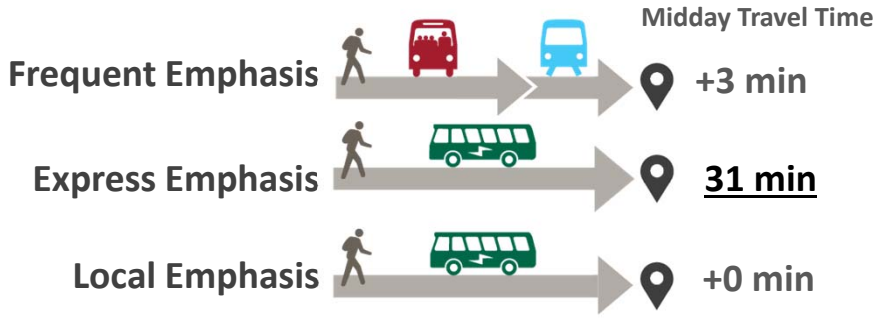

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Thank You!

Long Range Public Transportation Plan

http://www.kcmetrovision.org/

Staff Contacts:

Stephen Hunt – Project Manager, KC Metro

stephen.hunt@kingcounty.gov

206-477-5828

Tristan Cook – Community Relations, KC Metro

tristan.cook@kingcounty.gov

206-477-3842