



National Capital Region Federal Parking Study

An Accessibility-Based Approach
for Federal Facilities Parking Policies

Travel Forecasting Committee Presentation
January 20, 2017

Presentation Outline

- Background - NCPC
- Study Organization
- Findings
- Determining Accessibility
- Recommendation Categories
- Recommendation #1 - Data Driven
- Proposed Future Analysis Tool

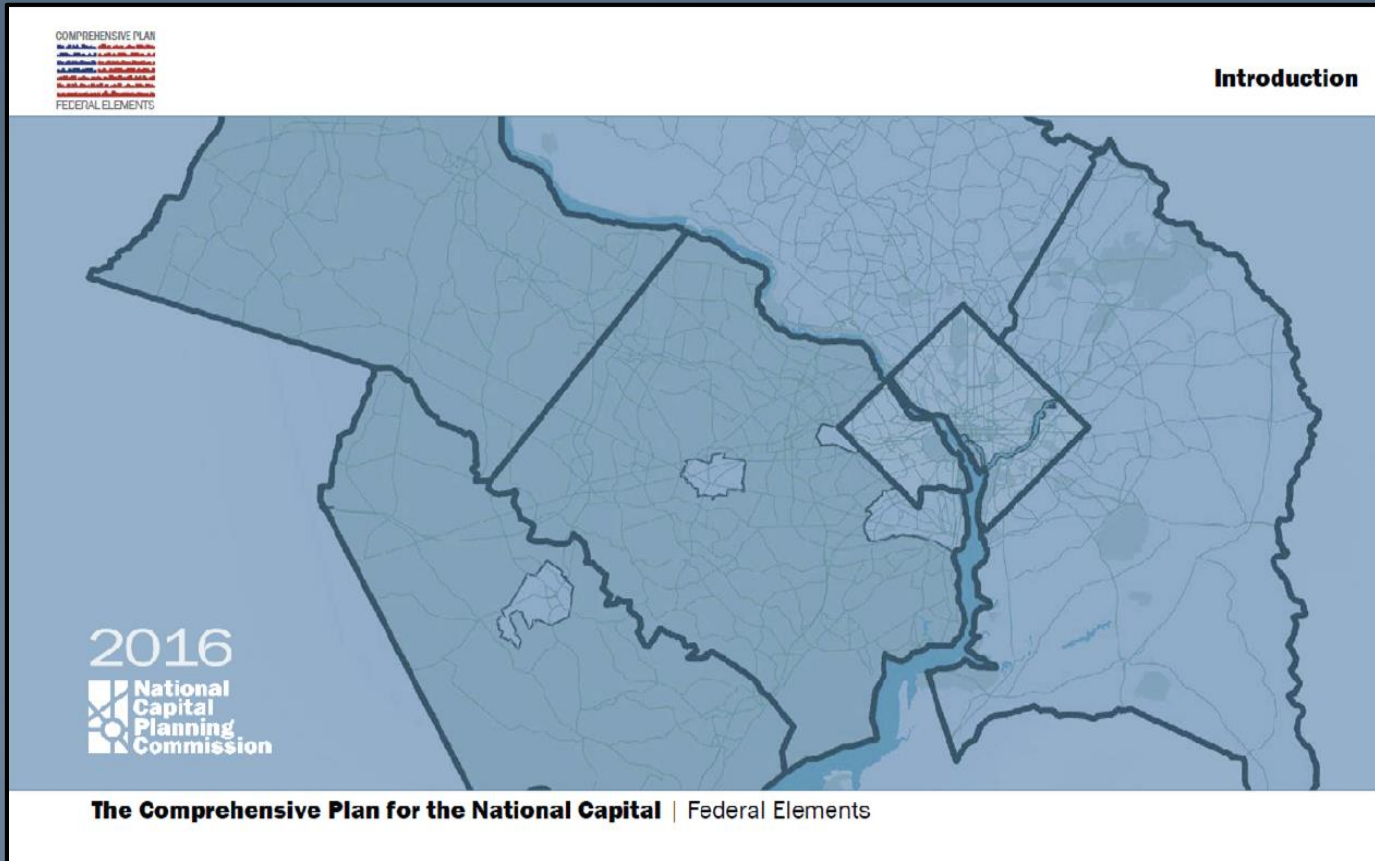
Mission

The National Capital Planning Commission works with federal agencies as it seeks to preserve and enhance the extraordinary historical, cultural, and natural resources and federal assets of the National Capital Region to support the needs of the federal government and enrich the lives of the region's visitors, workers, and residents.

Authorities

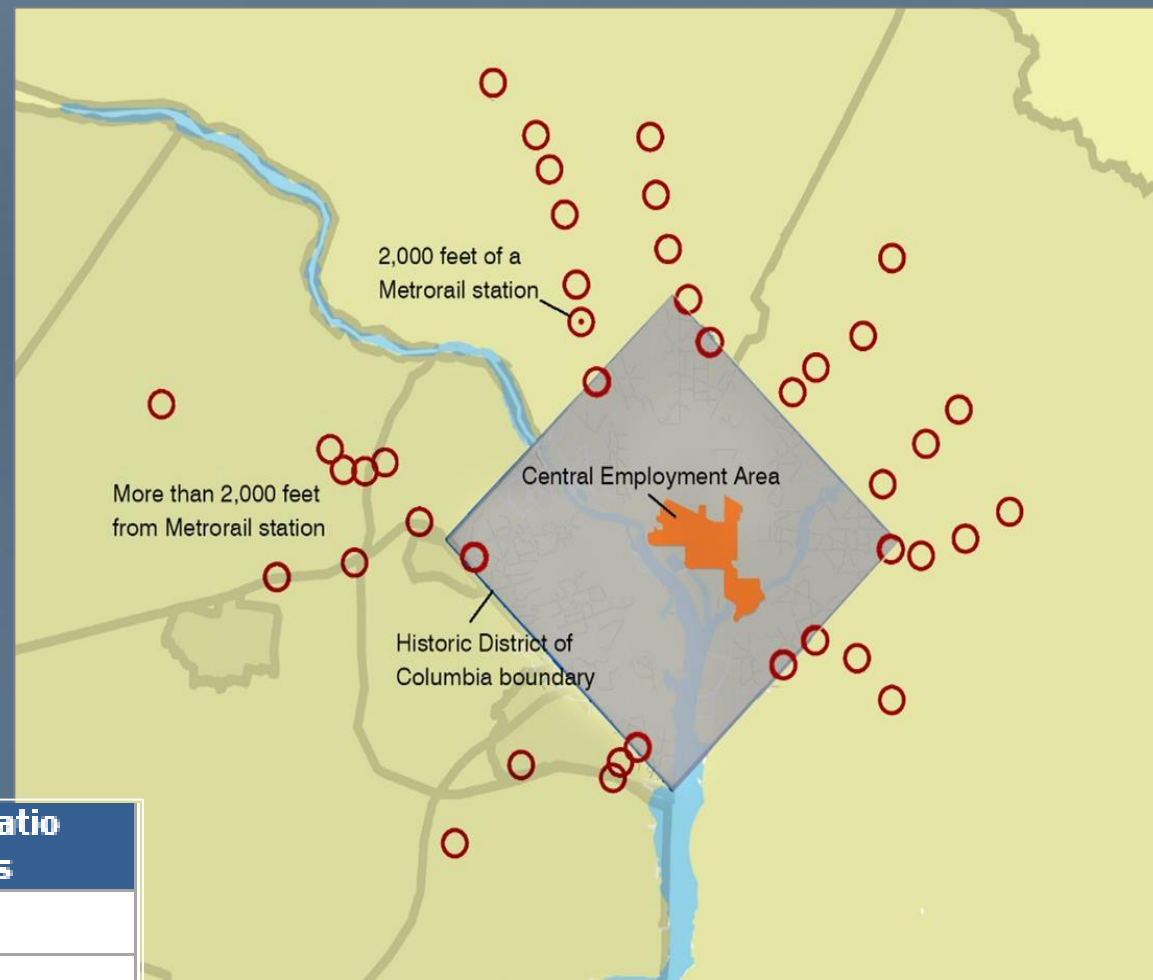
- National Capital Planning Act: review plans and projects for federal property, and prepare the Federal Capital Improvements Program and the Comprehensive Plan.

Comprehensive Plan



Comprehensive Plan Policies

- Related to Parking Ratio
- Related to Transp. Management Plans
- Related to Transp. Demand Management
- Related to Shuttles and Circulators



Zone Location	Parking Ratio Policies
Central Employment Area	1:5
Historic District of Columbia Boundary	1:4
Suburban Washington within 2,000 feet of a Metrorail station	1:3
Suburban Washington more than 2,000 feet from a Metrorail station	1:15 - 1:2 (site dependent)

Literature Review

Assess the transportation literature and industry best practices

Local Parking Comparison

Consider local approaches to parking policy

Modeling Analysis

Assess NCPC policies in light of the regional transportation model (2016 and 2030)



- New Accessibility Paradigm
- Changing Analytical Tools
- Consider Sustainability Goals

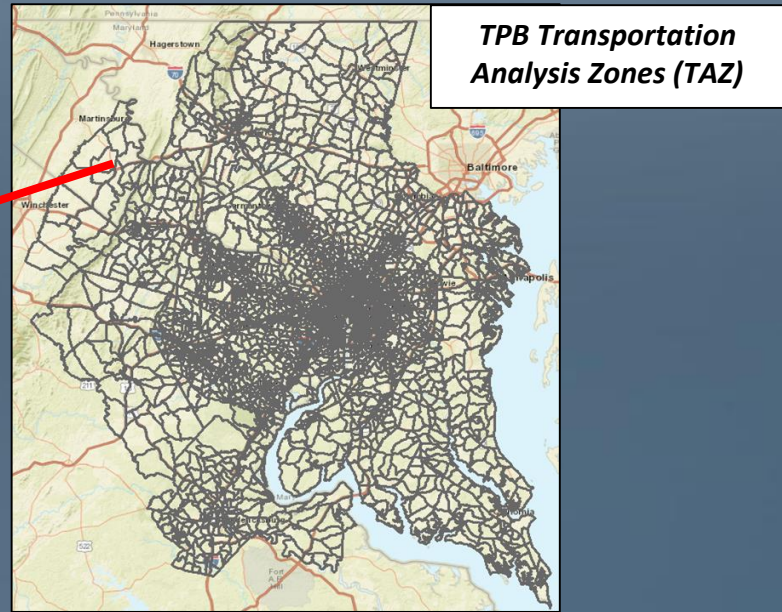


- Limiting/Eliminating Parking Requirements
- Pricing/Sharing Parking
- Ongoing Performance Monitoring

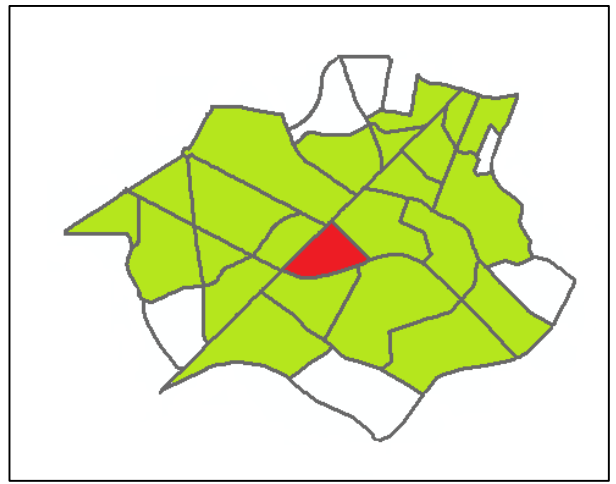
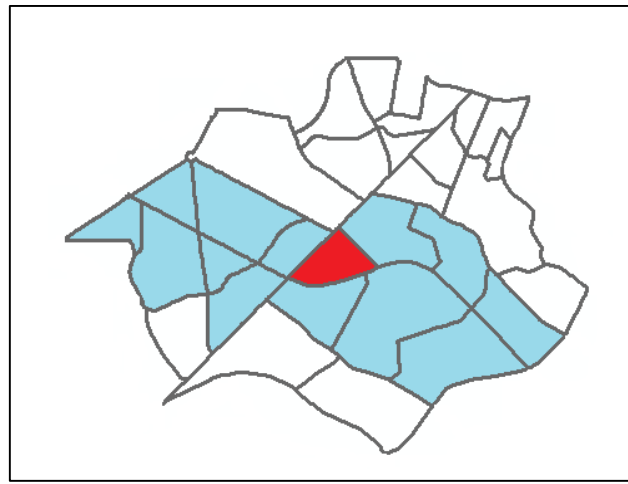


- Accessibility Predicts Parking
- Variability within the Historic D.C. Boundary
- A Changing Regional Core

What is Accessibility?



Calculate the **transit-shed** and **drive-shed** of a **federal facility/TAZ**

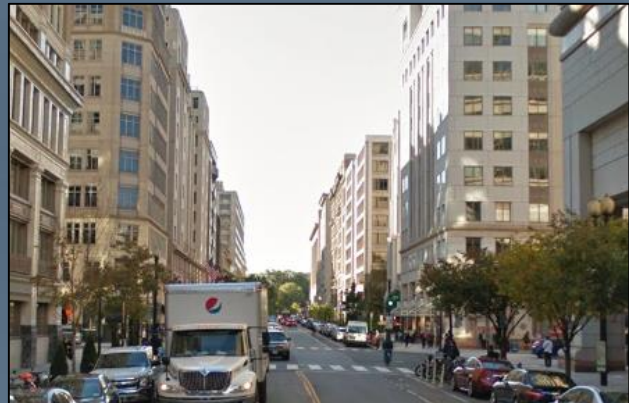


$$\frac{\text{HH accessible by transit}}{\text{HH accessible by car}} = \text{Accessibility Ratio} \longrightarrow$$

- **Ratio under 1:** more homes can reach a particular location by car than by taking transit
- **Ratio over 1:** transit provides access to more homes than driving

Comparing Accessibility

Metro Center



$$\frac{956\text{K Households (Transit)}}{286\text{K Households (Car)}} = 3.34$$

Takoma



$$\frac{412\text{K Households (Transit)}}{473\text{K Households (Car)}} = 0.87$$

Gaithersburg



$$\frac{246\text{K Households (Transit)}}{328\text{K Households (Car)}} = 0.75$$

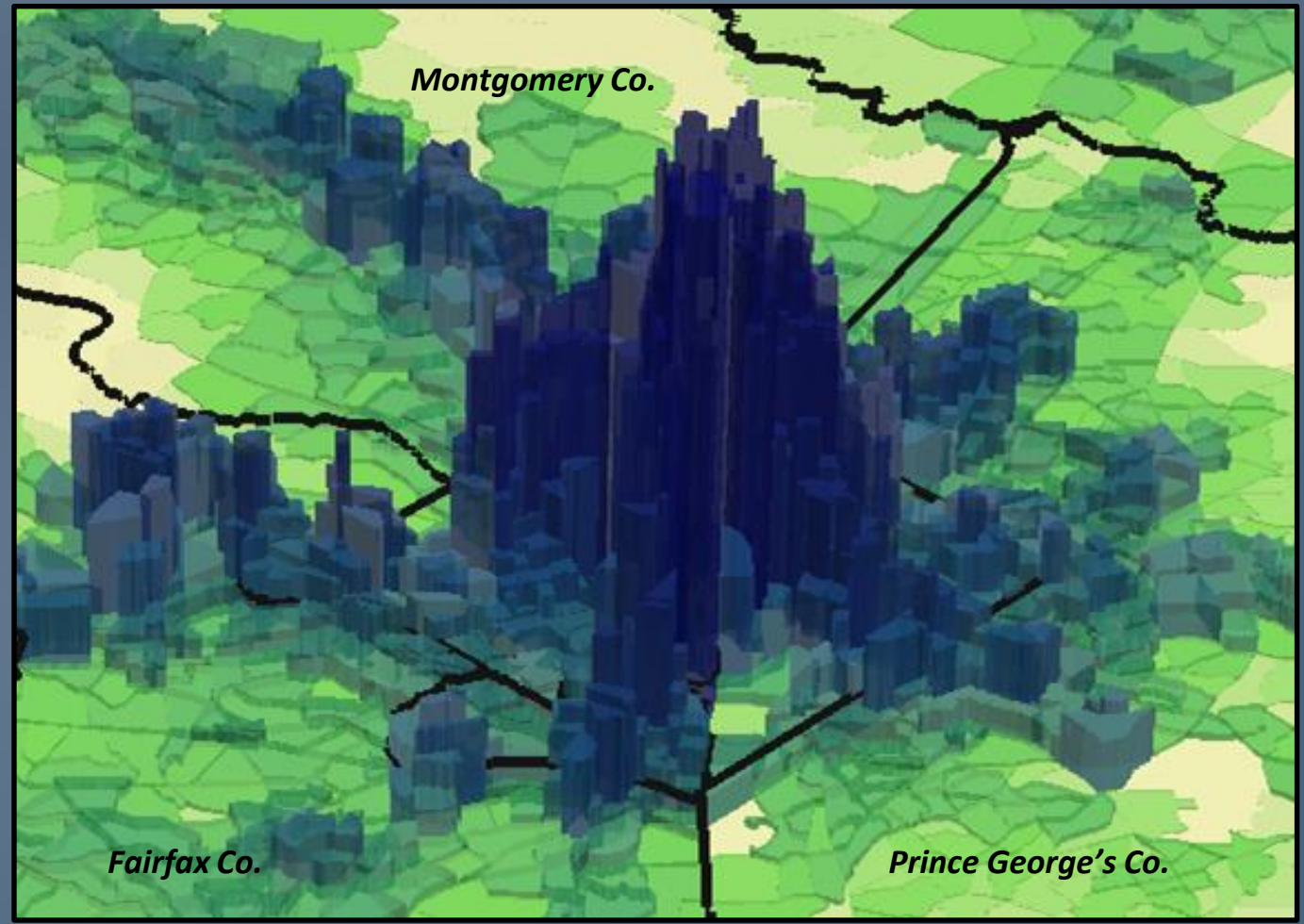
$$\frac{\text{HH accessible by transit}}{\text{HH accessible by car}} = \text{Accessibility Ratio} \longrightarrow$$

- **Ratio under 1:** more homes can reach a particular location by car than by taking transit
- **Ratio over 1:** transit provides access to more homes than driving

Regional Accessibility Ratio Map

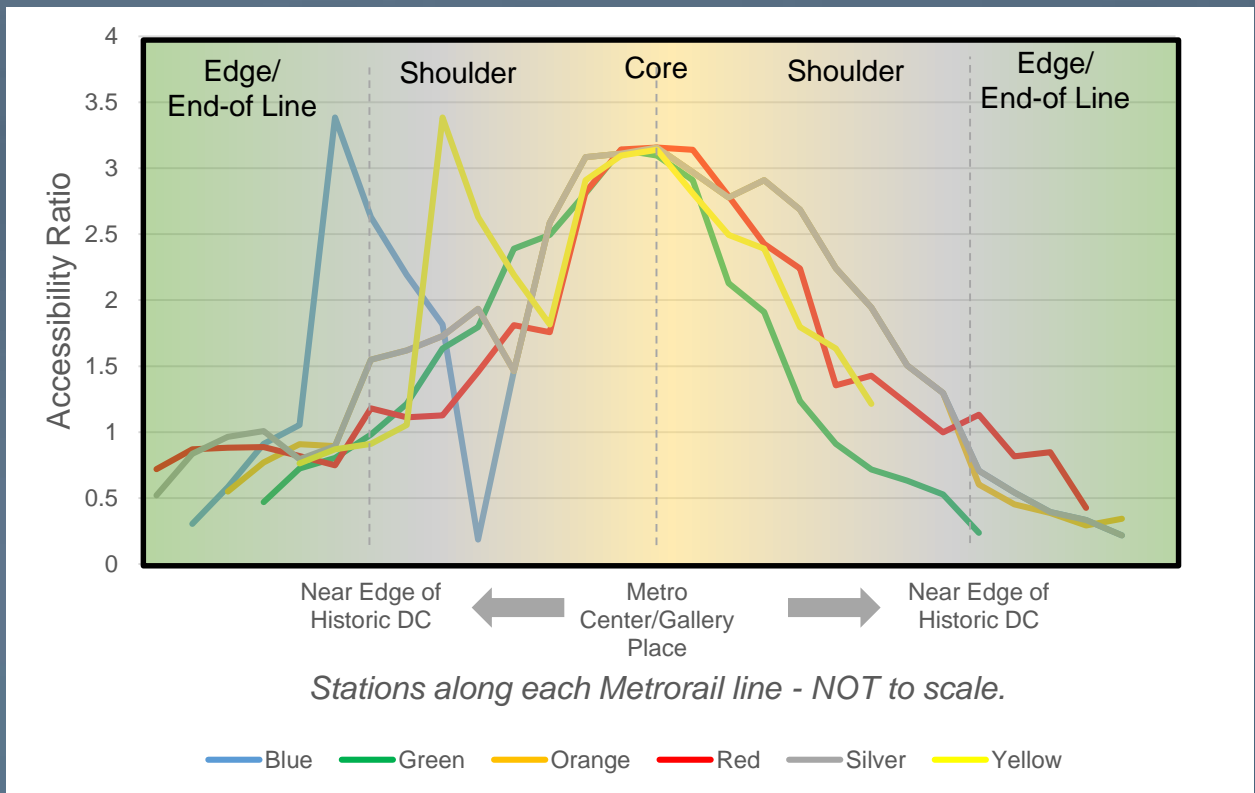
Transit accessibility:

- very high in the core
- moderate radiating along Metrorail
- relatively limited elsewhere

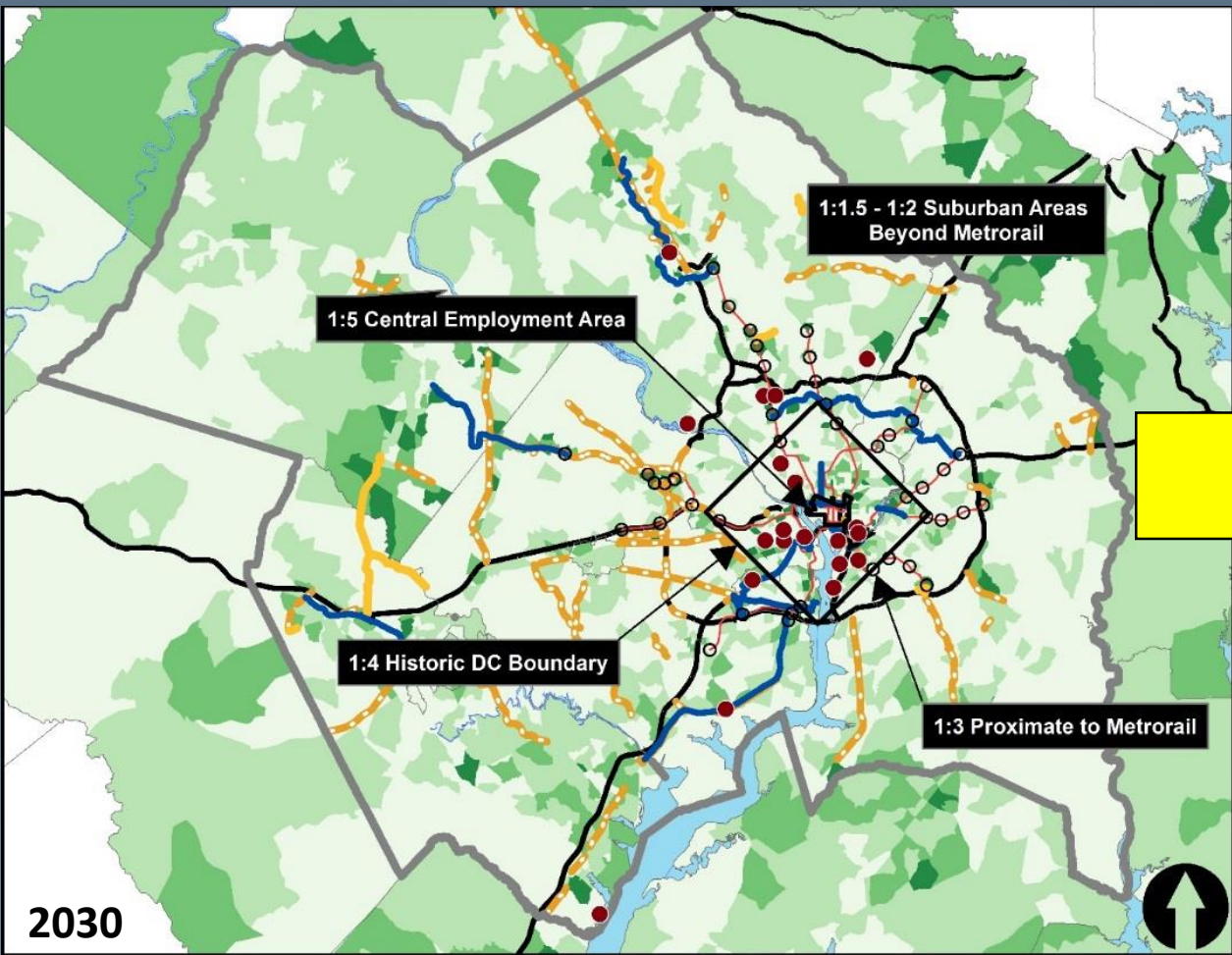


Metrorail Accessibility

- Accessibility levels at stations:
- generally decline away from Metro Center/Gallery Place.

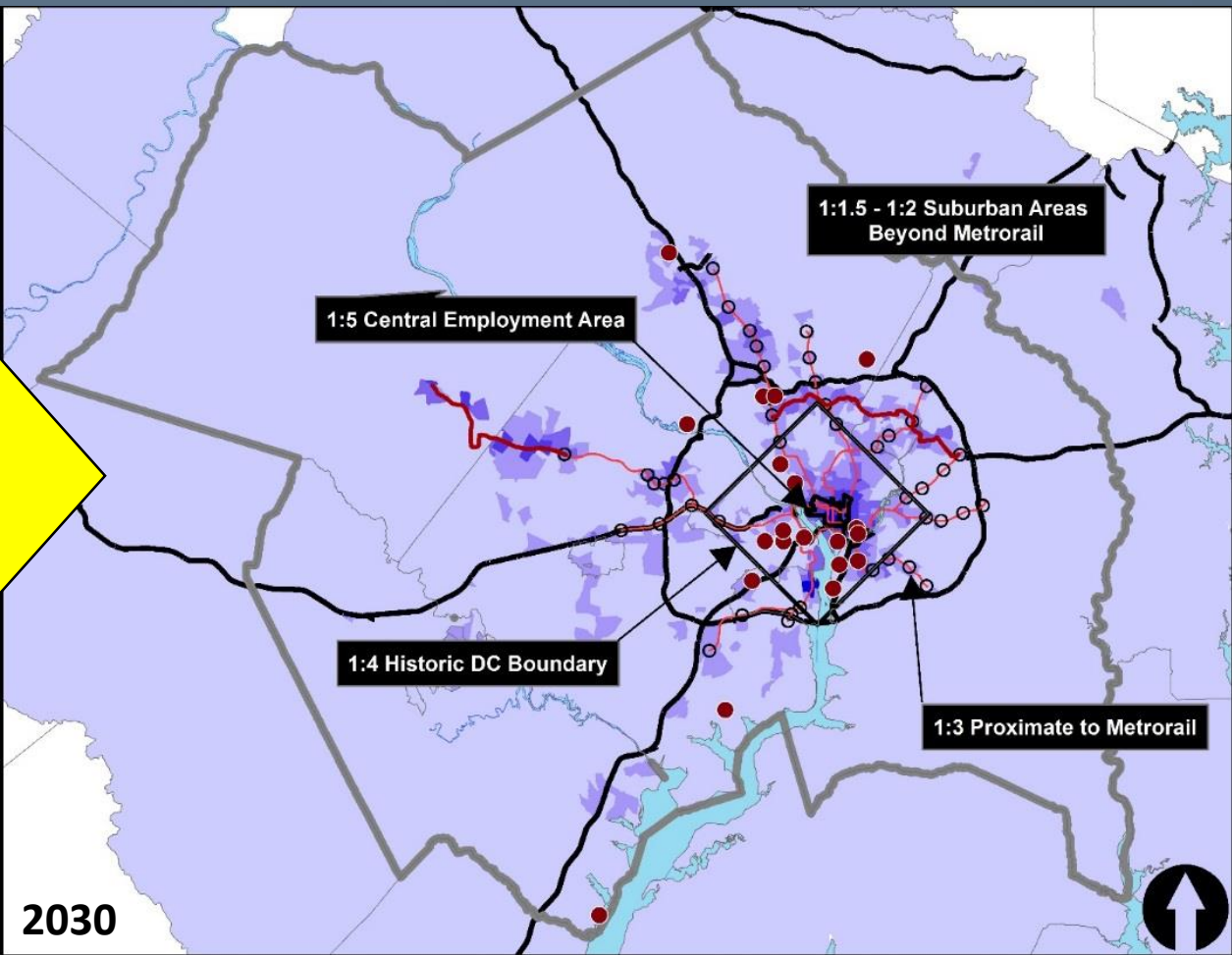


Population and Transportation Impacts



2030

Anticipated regional growth, highway/transit projects, congestion by 2030...

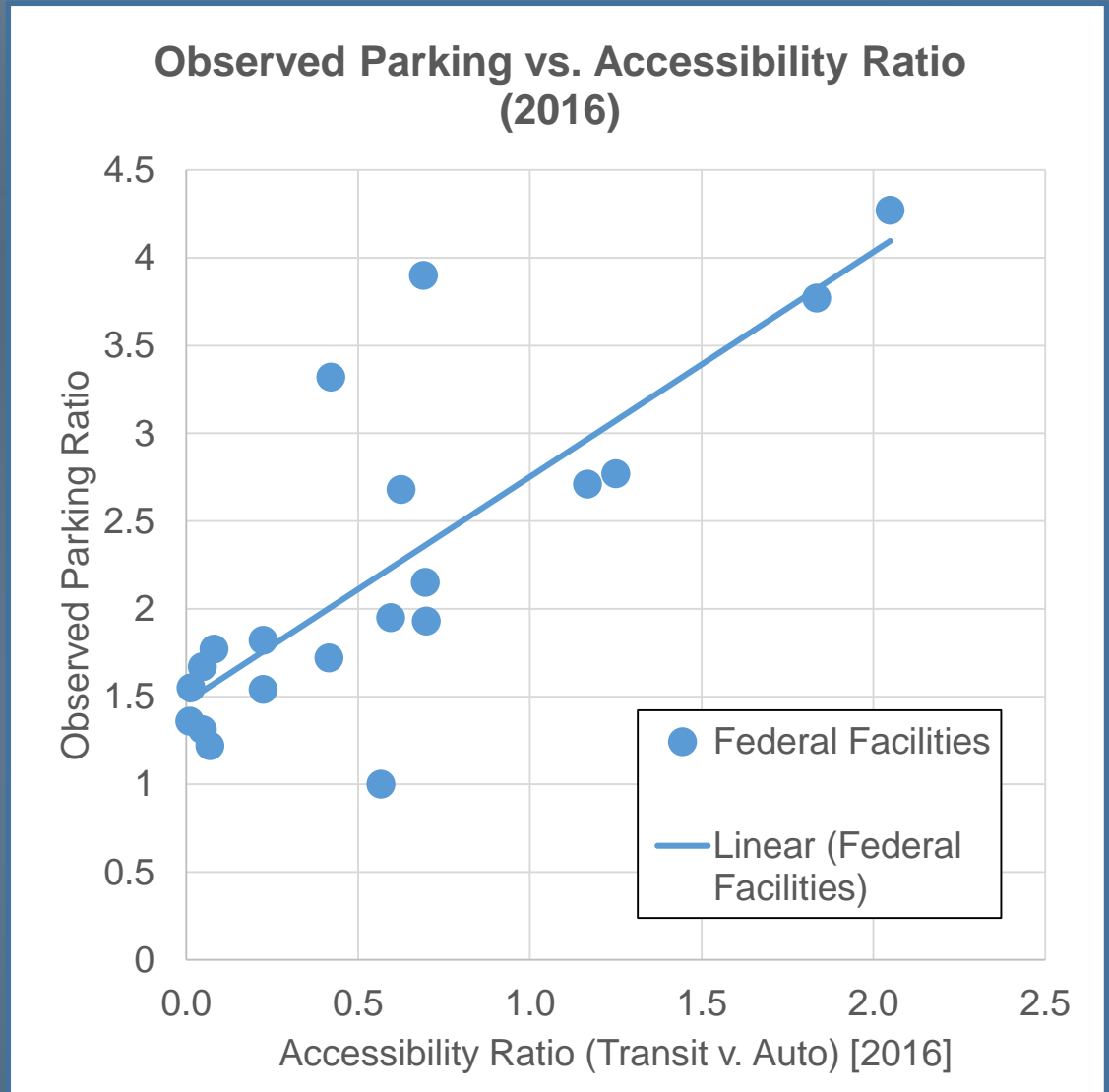


2030

... will improve accessibility in the Downtown core and near new transit capacity.

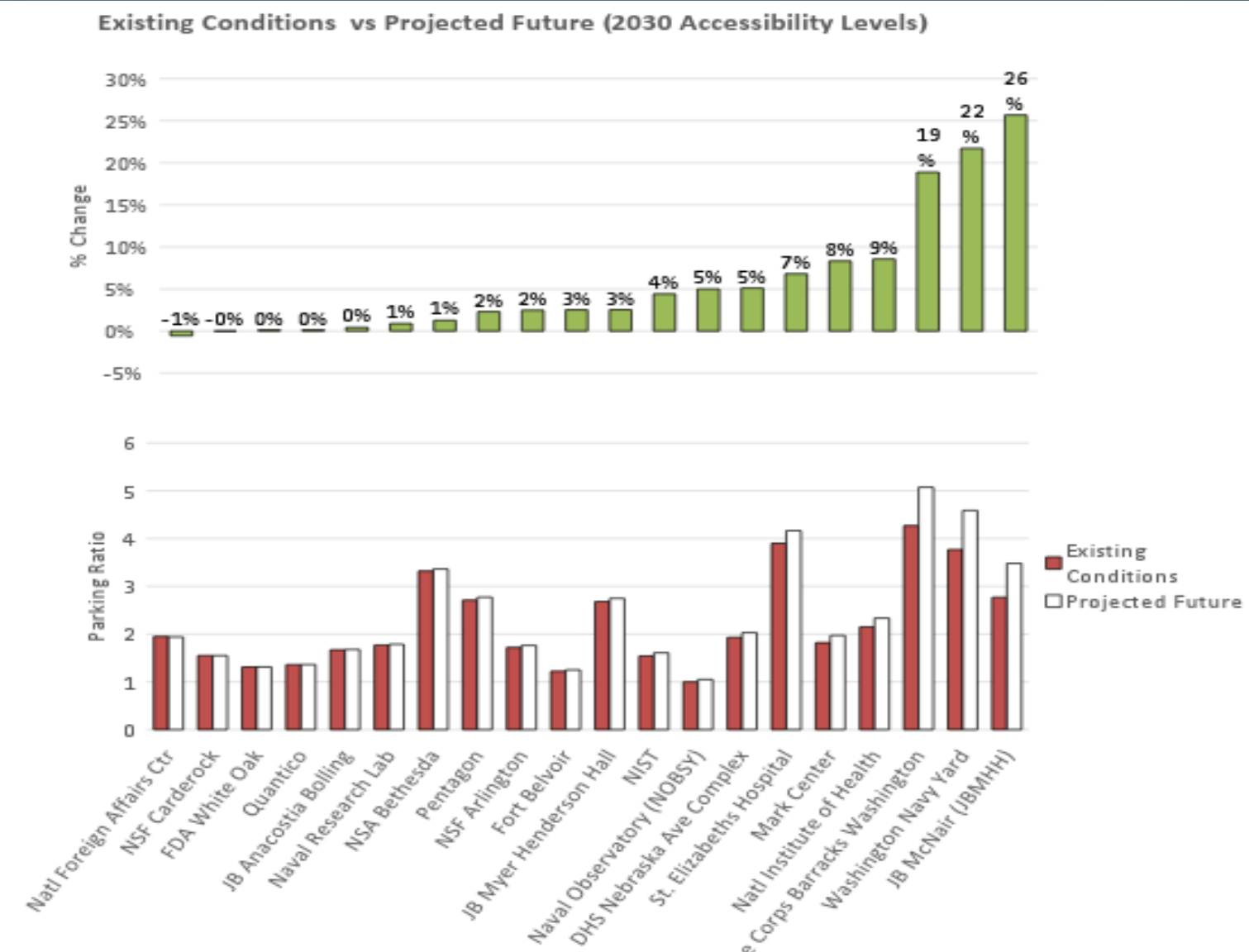
Accessibility at Federal Facilities

- Accessibility ratio predicts 62% of the variation in parking supply at facilities (92% without outliers - NSA-Bethesda, St. Elizabeths, and Naval Observatory)



Projected Accessibility Improvements at Federal Facilities

- Significant accessibility increases for centrally located facilities by 2030.
- More modest increases in suburban facilities.

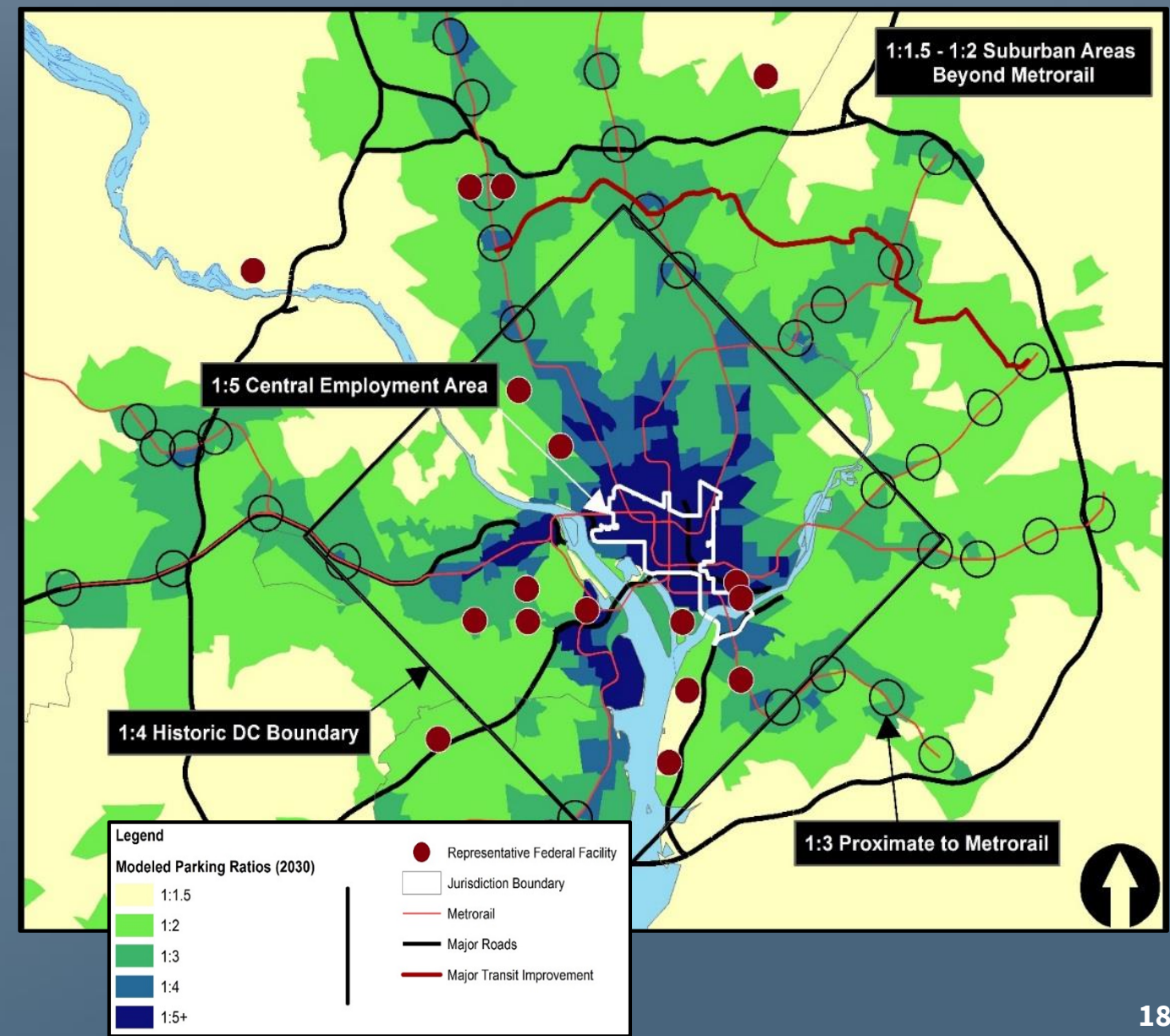


1. Data Driven
2. Standardize Modification Process
3. Performance-based Monitoring

Category #1- Data Driven

Align parking policies with regional accessibility (current and projected)

- Ratios should be both aspirational and realistically achievable.
- Majority of facilities in the Historic D.C. Boundary (1:4) are achieving half of their target.
- Targets *could* be achieved with aggressive TDM strategies.
- Parts of 1:4 zone should be “broken off” and combined with suburban zones.



Category #2 - Standardize Modification Process

Develop a more transparent and equitable parking ratio variance process.

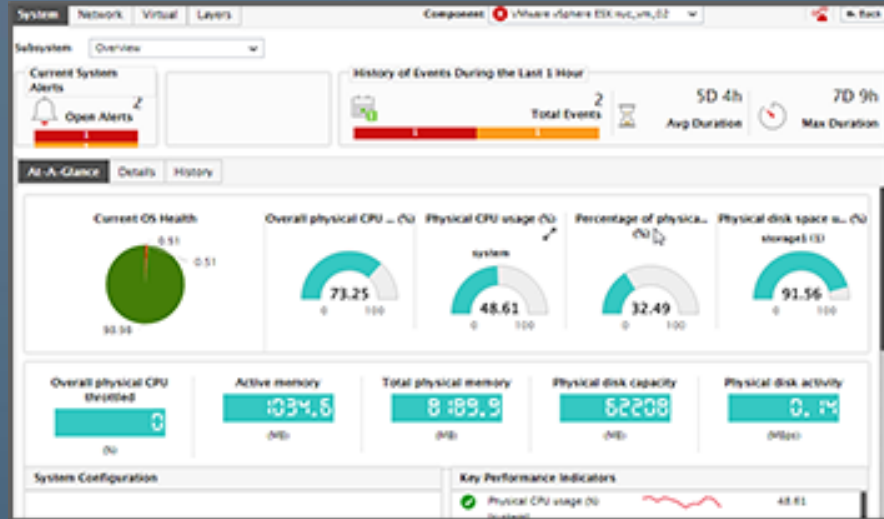
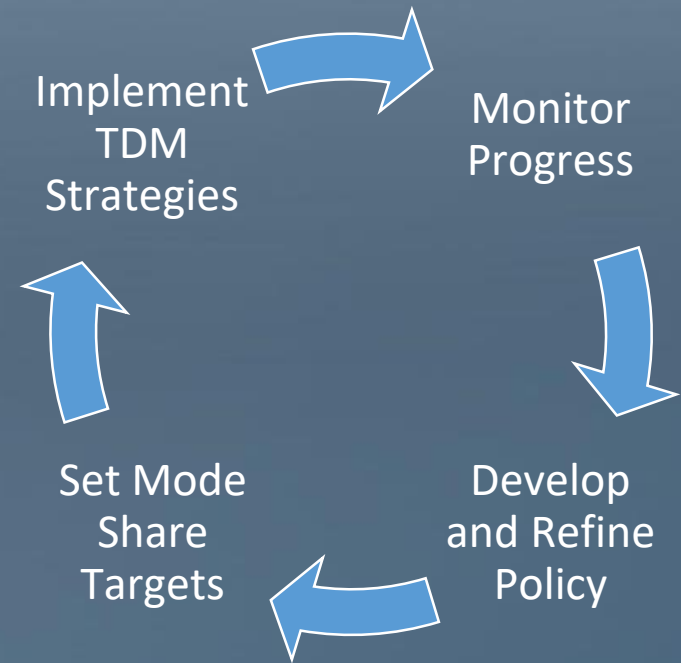
- Revised boundaries will help but not eliminate the need for case-by-case considerations.
- Needs and missions of federal facilities are as unique and varied as their locations.
- For variance - conduct lifecycle cost, accessibility, and mission analyses.



Category #3 - Performance-Based Monitoring

Strengthen TDM program with more continuous monitoring and reporting.

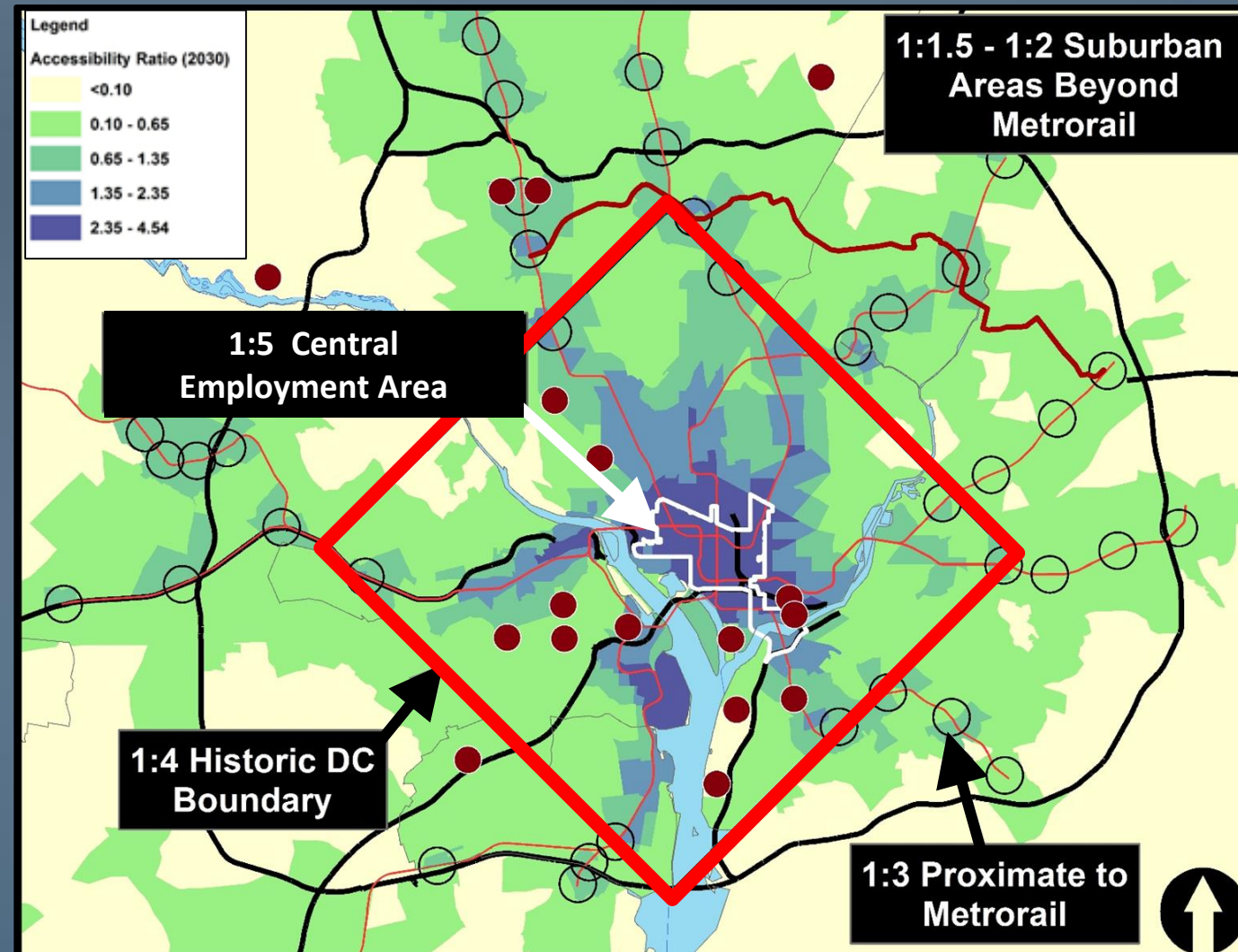
- TDM programs locally and nationally typically depend upon annual or biennial monitoring.
- Federal TMPs only triggered when master plans or projects increase employment by at least 500 people.
- More continual follow-up is a significant opportunity to meet NCPC's Comp Plan goals.



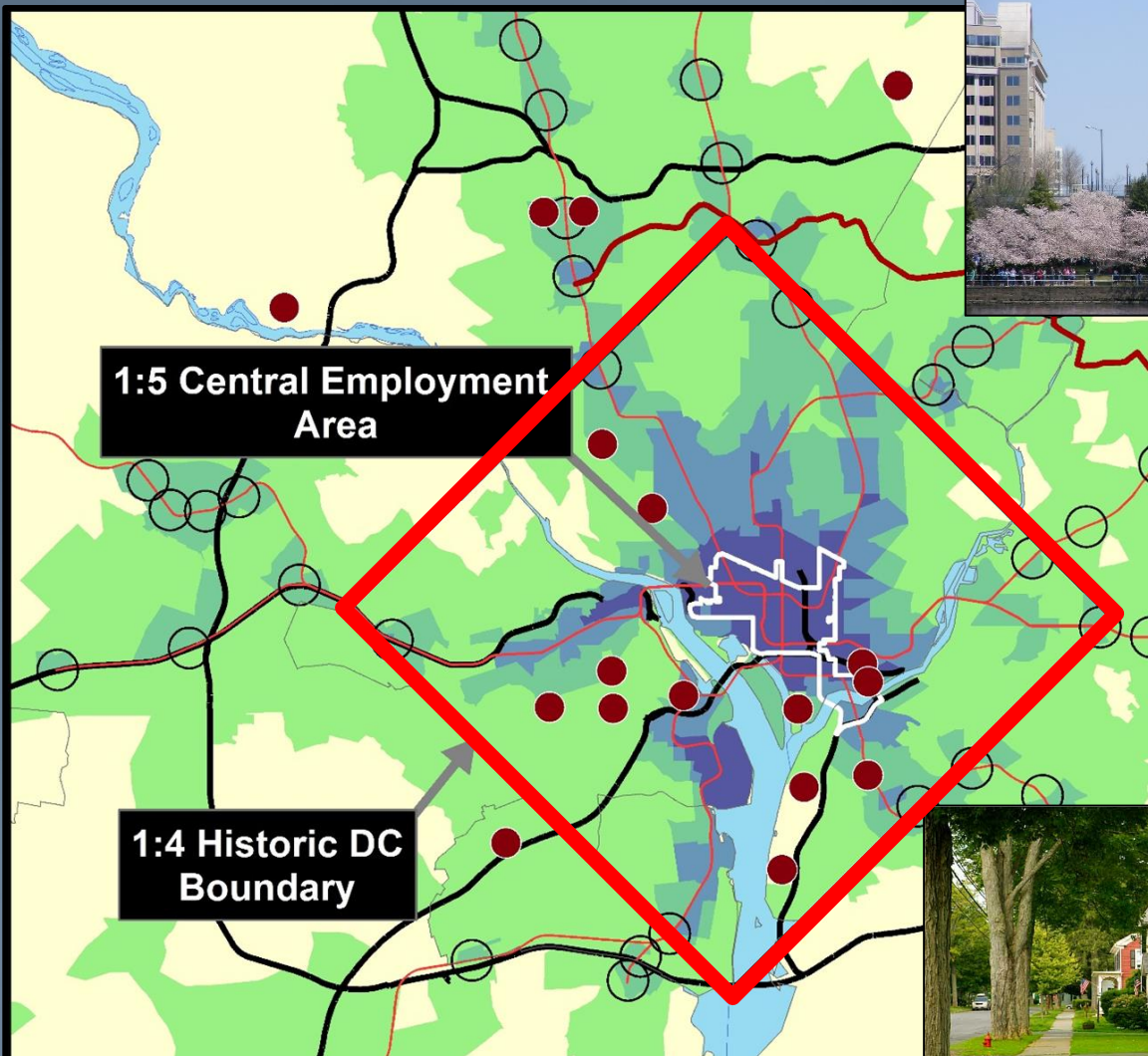
(Example dashboard)

Ratios should better align with regional accessibility (2016 and 2030).

- Policies should be both aspirational *and* realistically achievable.
- The majority of facilities in the Historic DC Boundary Zone (1:4) provide twice as much parking as the underlying policy.

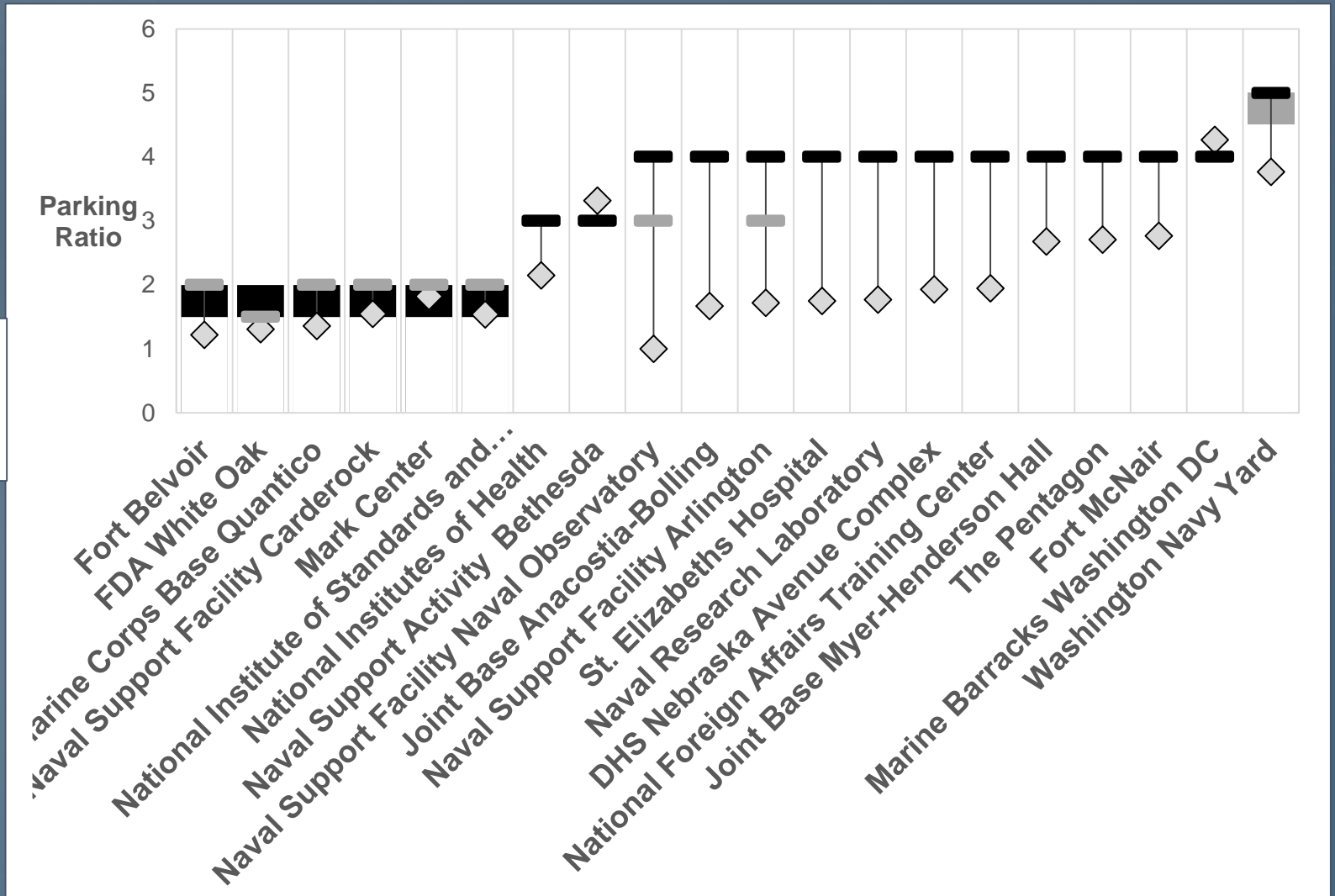


1:4 Zone (Historic DC Boundary) Variability



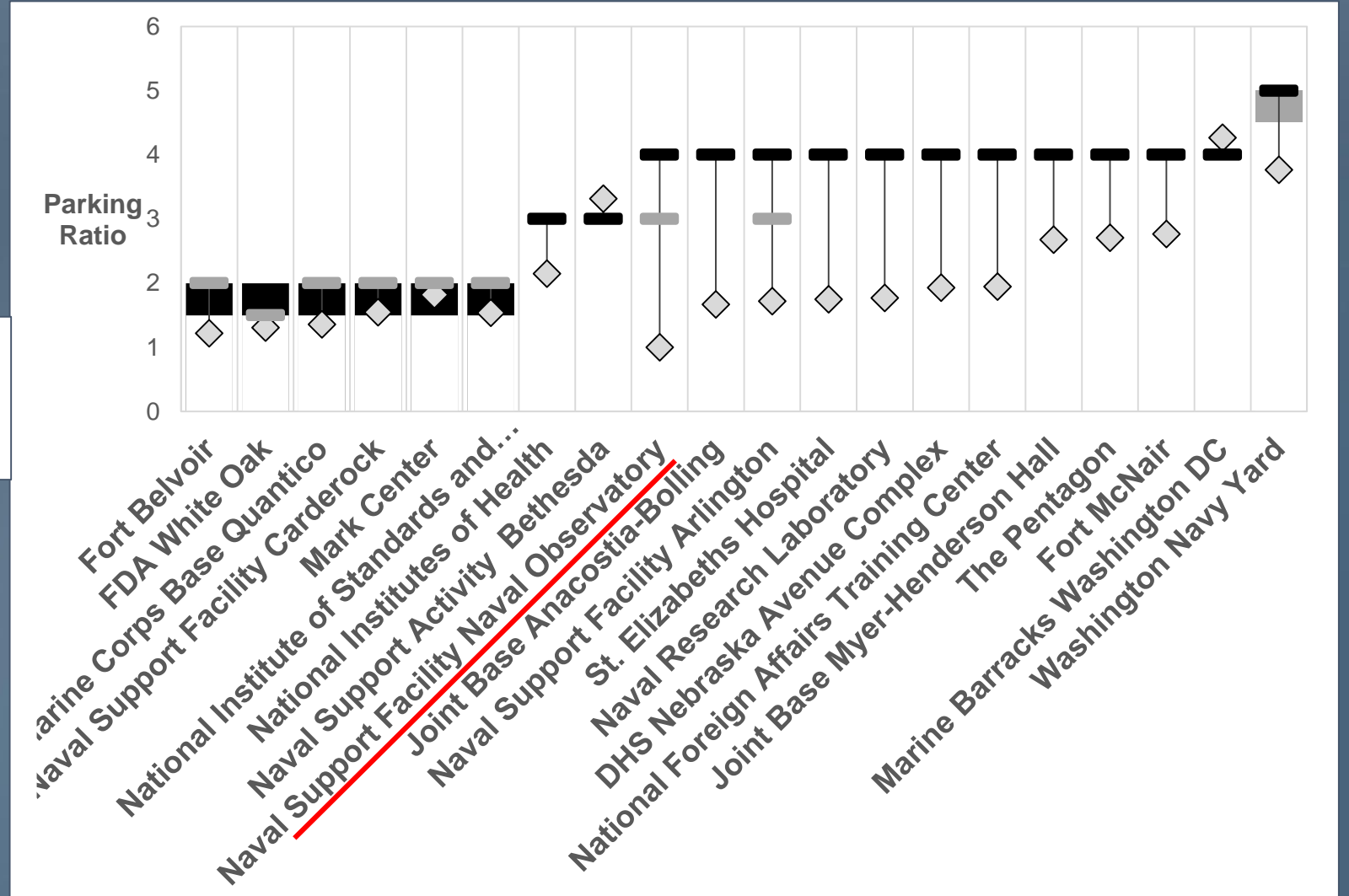
Comparison of Current and Comprehensive Plan Parking Ratios

- ◊ Observed (Current Parking Ratio)
- Comprehensive Plan Parking Ratio
- ▬ Modified Parking Ratio



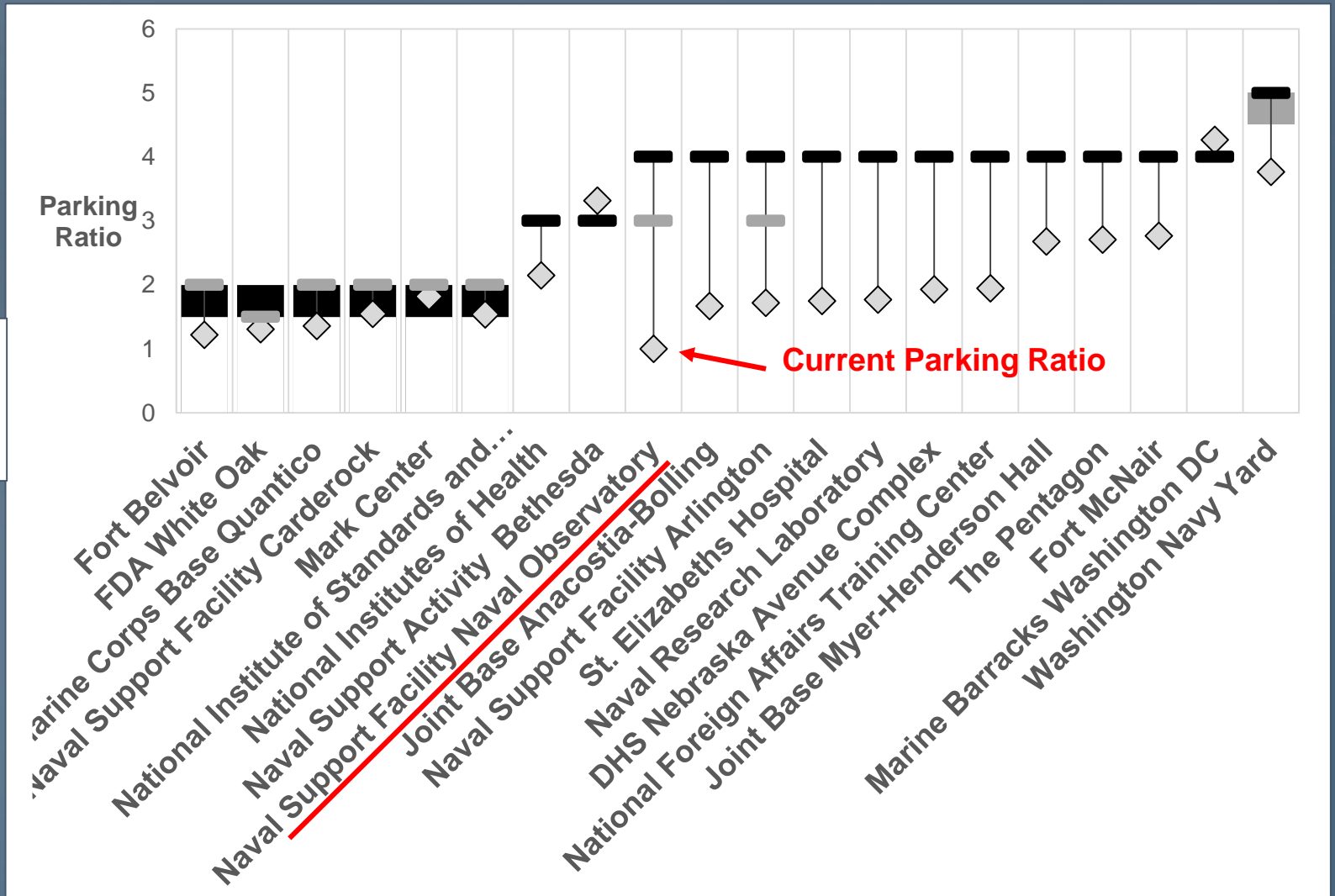
Comparison of Current and Comprehensive Plan Parking Ratios

- ◊ Observed (Current Parking Ratio)
- Comprehensive Plan Parking Ratio
- Modified Parking Ratio



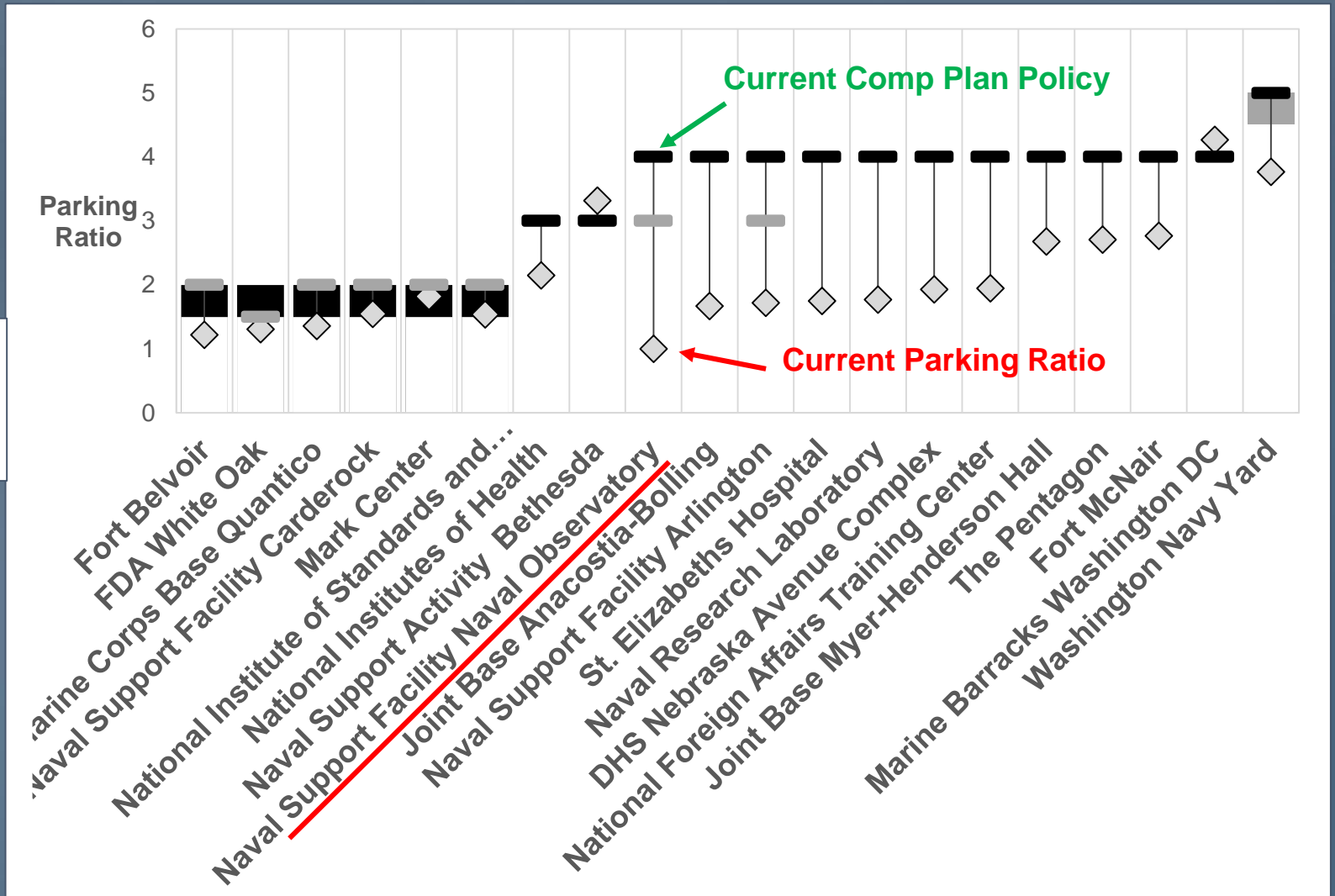
Comparison of Current and Comprehensive Plan Parking Ratios

- ◊ Observed (Current Parking Ratio)
- Comprehensive Plan Parking Ratio
- Modified Parking Ratio



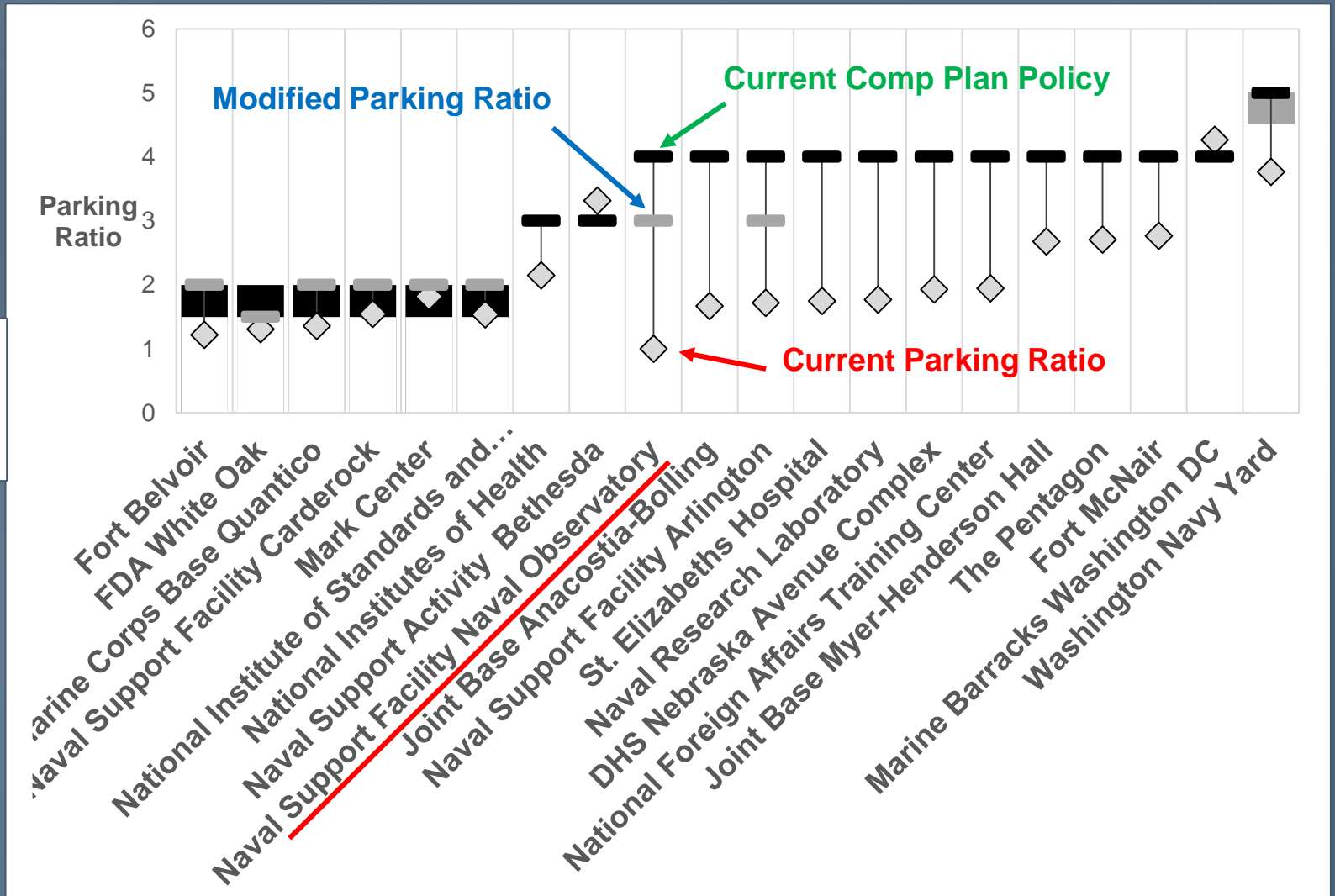
Comparison of Current and Comprehensive Plan Parking Ratios

- ◊ Observed (Current Parking Ratio)
- Comprehensive Plan Parking Ratio
- Modified Parking Ratio



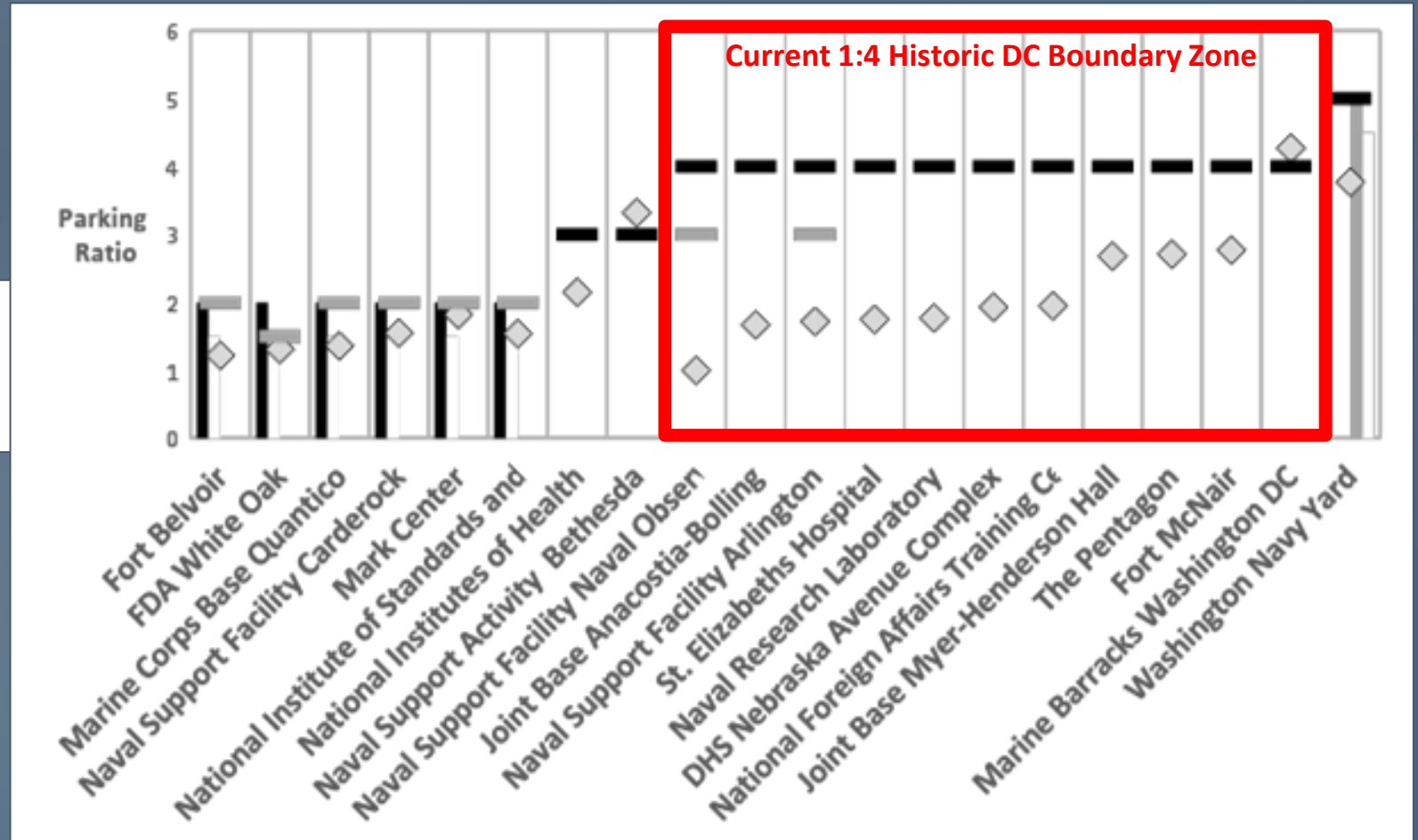
Comparison of Current and Comprehensive Plan Parking Ratios

- ◊ Observed (Current Parking Ratio)
- Comprehensive Plan Parking Ratio
- Modified Parking Ratio



Comparison of Current and Comprehensive Plan Parking Ratios

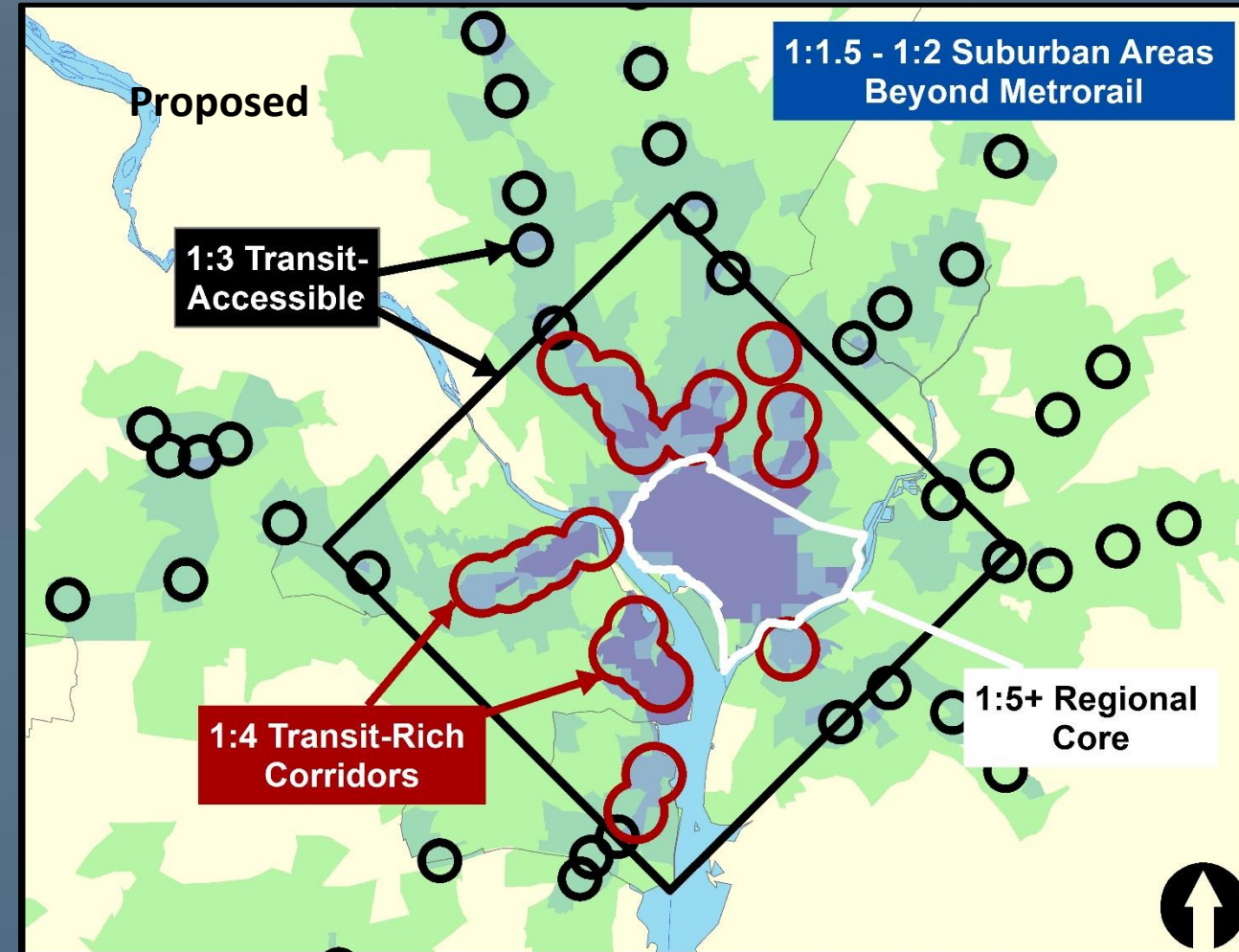
- ◇ Observed (Current Parking Ratio)
- Comprehensive Plan Parking Ratio
- ▬ Modified Parking Ratio



Proposed Ratio Zones

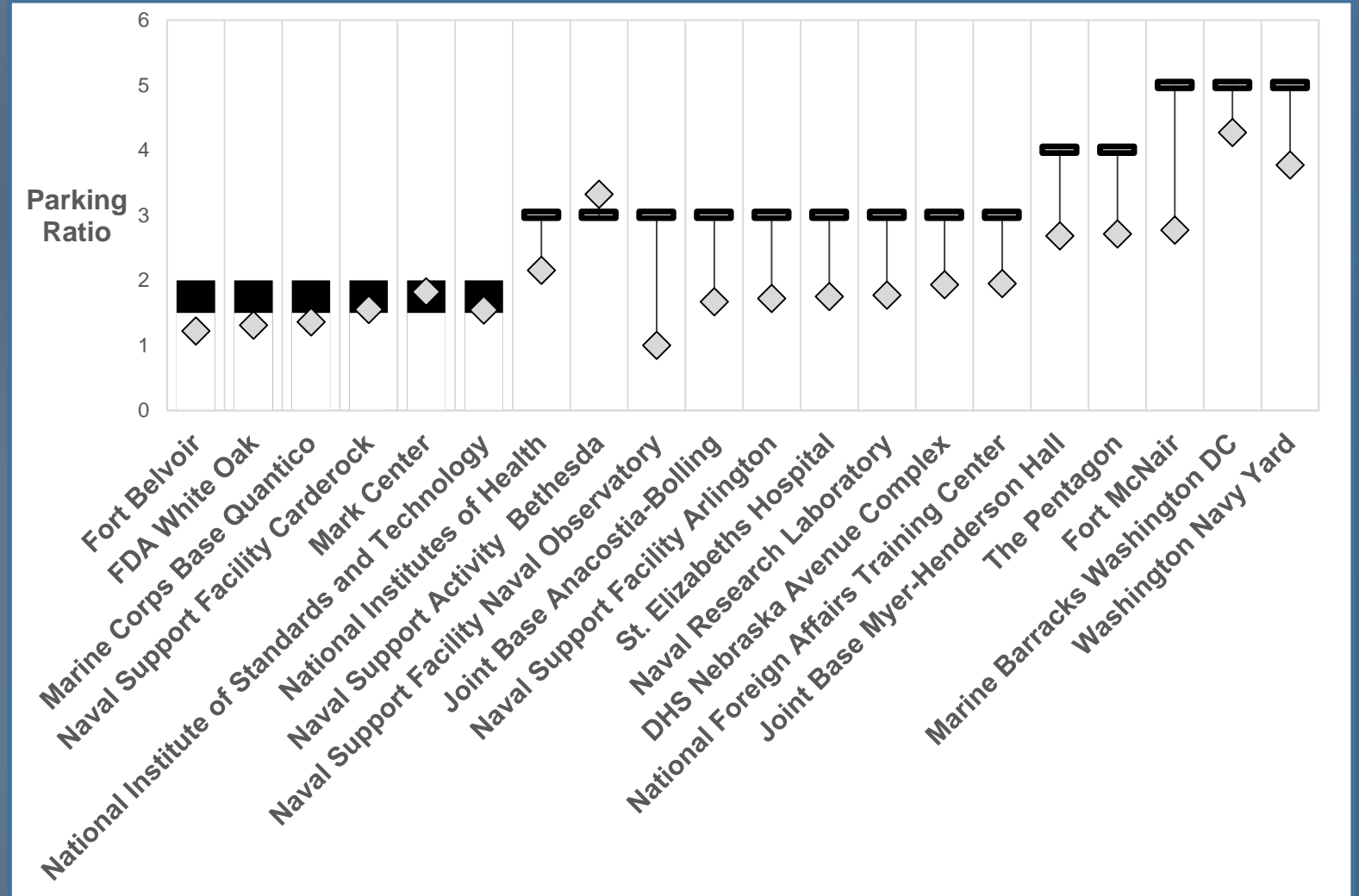
Reduce the 1:4 zone to transit-rich corridors and expand the 1:5 zone:

- 1:5+ – Regional Core
- 1:4 – Transit-Rich Corridors
- 1:3 – Transit-Accessible
- 1:1.5-2 – Suburban Areas Beyond Metrorail



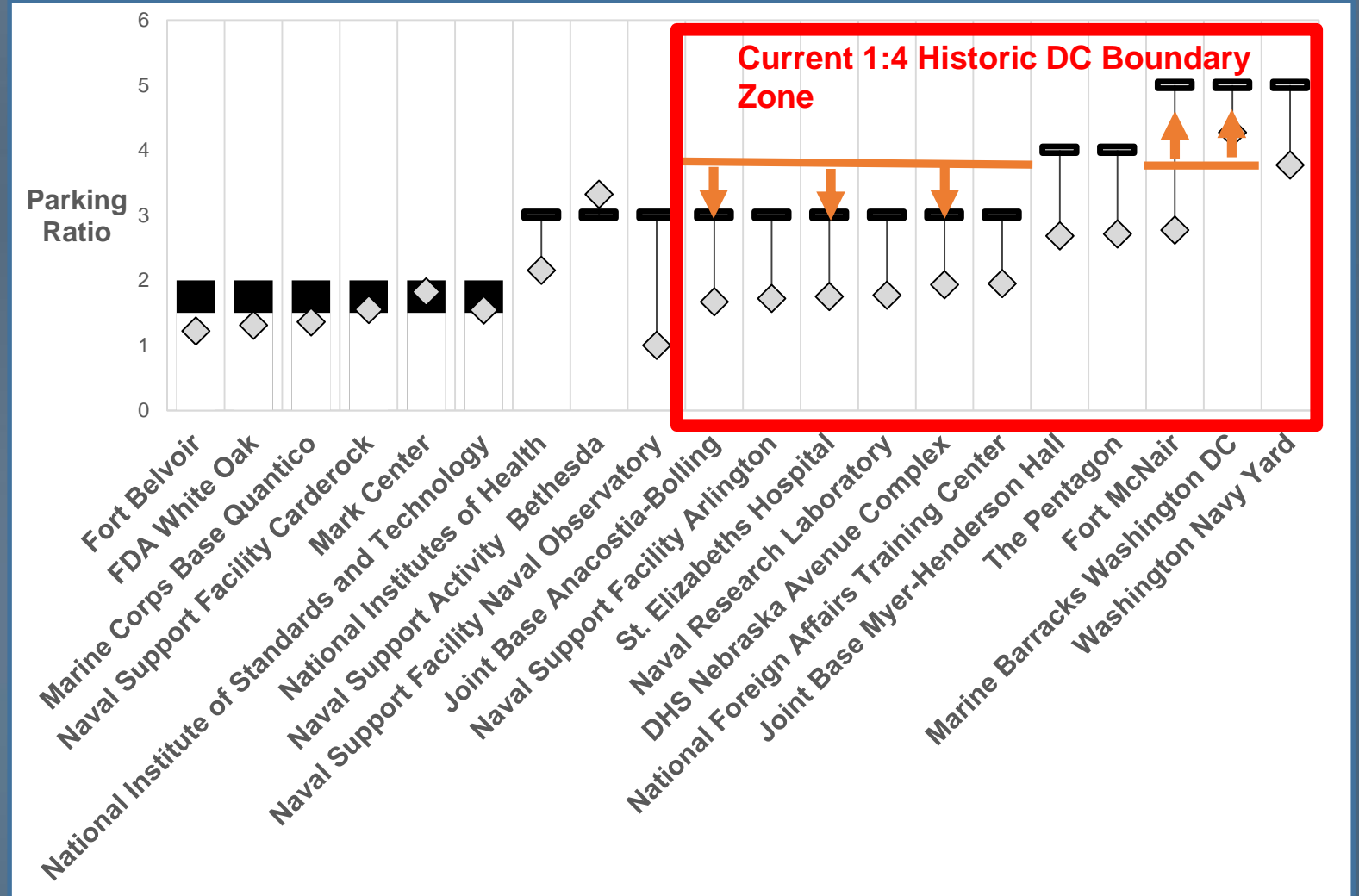
Comparison of Current and Proposed Parking Ratios

- Data-driven zones encompass similarly-situated facilities.
- Policies remain aspirational but more possible with additional TDM strategies.
- Anticipate accessibility improvements at core facilities.



Comparison of Current and Proposed Parking Ratios

- Data-driven zones encompass similarly-situated facilities.
- Policies remain aspirational but more possible with additional TDM strategies.
- Anticipate accessibility improvements at core facilities.



INPUT

Step 1: Select a Master Planned Facility
Click on the cell to the right and choose from the drop down menu that appears. If you want to assess a facility not on the list, select CUSTOM.

Step 1B: Provide CUSTOM TAZ Breakdown
If you selected CUSTOM from the drop down, specify facility TAZs and the weights for each TAZ. These should correspond to how much of the facility is located within each TAZ. Up to 6 custom TAZs can be specified.

TAZ	Weight (Percentage)

Step 2: Select Shuttle Services
To assess the impact of potential shuttles on facility behavior, select up to three shuttle connections by:

Metrorail Station	Shuttle Travel Time [min]

(a) selecting a Metrorail station from the dropdown menu
(b) adding an estimated shuttle travel time between the Metrorail station you have selected and the facility (This can be taken from Google Maps "Depart At", etc.)

Step 3: Add Facility Specific Details
Input data (if available) to account for current and/or forecasted conditions at the facility. If no parameters are specified, no adjustment to facility performance will be added.

Observed (Current) Parking Ratio	
Employee Population	
Observed (Current) Parking Supply	
Current Telework Percentage	
Target Telework Percentage	
Current Alternate Work Schedule Percentage	
Target Alternate Work Schedule Percentage	
Current Average Hoteling	
Target Average Hoteling	

NOTE: Telework, AWS, and Hoteling adjustments rely on both Employee Population and Current Parking Supply. If one or both are missing, no adjustment will be made.

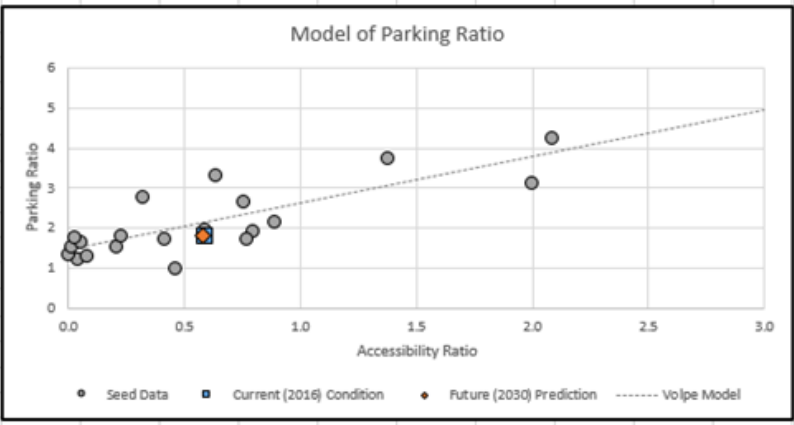
Telework: Percent of Employee population who telework at least once per week
Alternate Work Schedule: Percent of employee population who use AWS
Hoteling: Average daily number of visiting hoteling staff

OUTPUT

Selected Facility	National Foreign Affairs Training Center	
Parking Ratio	Current (2016)	1.82
	Current with Adjustments	2.23
	Future (2030)	1.82
	Future with Adjustments	1.82
Modified Ratio Policy	2	
Comp Plan Ratio Policy	1.5 - 2.0	
Proposed Policy	1.5 - 2.0	

TAZ Weightings		
	1537	83.3%
	1538	9.2%
	1529	7.1%
	1530	0.3%

Accessibility Ratio	Current	0.59
	Future	0.58



Shuttle Services		
Metrorail Station	Lines Served	Travel Time

Current Telework Percentage	
Target Telework Percentage	
Current Alternate Work Schedule Percentage	
Target Alternate Work Schedule Percentage	
Current Average Hoteling	
Target Average Hoteling	

Input Side

INPUT															
<p>Step 1: Select a Master Planned Facility</p> <p>Click on the cell to the right and choose from the drop down menu that appears. If you want to assess a facility not on the list, select CUSTOM.</p>															
<p>Step 1B: Provide CUSTOM TAZ Breakdown</p> <p>If you selected CUSTOM from the drop down, specify facility Transportation Analysis Zones and the weights for each TAZ. These should correspond to how much of the facility is located within each TAZ. Up to 6 custom TAZs can be specified.</p>	<table border="1"> <thead> <tr> <th>TAZ</th> <th>Weight (Percentage)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	TAZ	Weight (Percentage)												
TAZ	Weight (Percentage)														
<p>Step 2: Select Shuttle Services</p> <p>To assess the impact of potential shuttles on facility behavior, select up to three shuttle connections by:</p> <p>(a) selecting a Metrorail station from the dropdown menu</p> <p>(b) adding an estimated shuttle travel time between the Metrorail station you have selected and the facility (This can be taken from Google Maps "Depart At", etc.)</p>	<table border="1"> <thead> <tr> <th>Metrorail Station</th> <th>Shuttle Travel Time [min]</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Metrorail Station	Shuttle Travel Time [min]												
Metrorail Station	Shuttle Travel Time [min]														
<p>Step 3: Add Facility Specific Details</p> <p>Input data (if available) to account for current and/or forecasted conditions at the facility. If no parameters are specified, no adjustment to facility performance will be added.</p> <p>NOTE: Telework, AWS, and Hoteling adjustments rely on both Employee Population and Current Parking Supply. If one or both are missing, no adjustment will be made.</p>	<table border="1"> <tbody> <tr><td>Observed (Current) Parking Ratio</td></tr> <tr><td>Employee Population</td></tr> <tr><td>Observed (Current) Parking Supply</td></tr> <tr><td>Current Telework Percentage</td></tr> <tr><td>Target Telework Percentage</td></tr> <tr><td>Current Alternate Work Schedule Percentage</td></tr> <tr><td>Target Alternate Work Schedule Percentage</td></tr> <tr><td>Current Average Hoteling</td></tr> <tr><td>Target Average Hoteling</td></tr> </tbody> </table>	Observed (Current) Parking Ratio	Employee Population	Observed (Current) Parking Supply	Current Telework Percentage	Target Telework Percentage	Current Alternate Work Schedule Percentage	Target Alternate Work Schedule Percentage	Current Average Hoteling	Target Average Hoteling					
Observed (Current) Parking Ratio															
Employee Population															
Observed (Current) Parking Supply															
Current Telework Percentage															
Target Telework Percentage															
Current Alternate Work Schedule Percentage															
Target Alternate Work Schedule Percentage															
Current Average Hoteling															
Target Average Hoteling															
	<p><i>Telework: Percent of Employee population who telework at least once per week</i></p>														
	<p><i>Alternate Work Schedule: Percent of employee population who use AWS</i></p>														
	<p><i>Hoteling: Average daily number of visiting hoteling staff</i></p>														

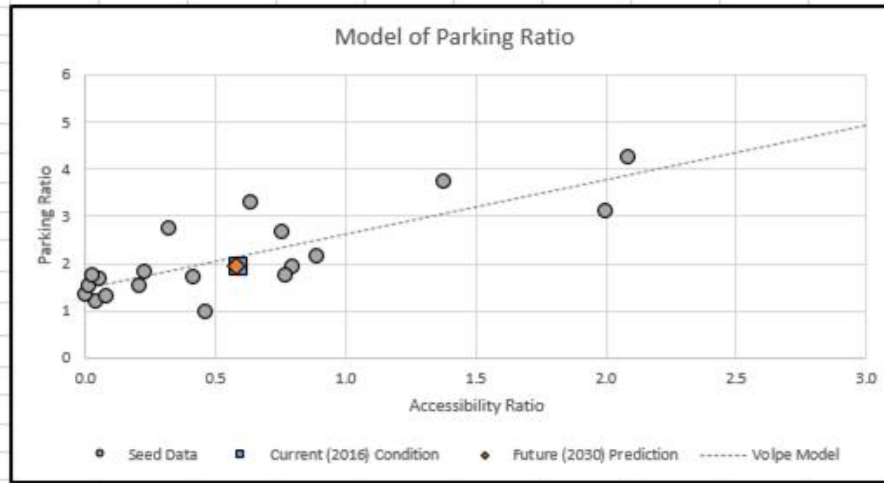
Input Side

INPUT															
<p>Step 1: Select a Master Planned Facility</p> <p>Click on the cell to the right and choose from the drop down menu that appears. If you want to assess a facility not on the list, select CUSTOM.</p>	<div style="border: 2px solid red; padding: 5px;">National Foreign Affairs Training Center</div>														
<p>Step 1B: Provide CUSTOM TAZ Breakdown</p> <p>If you selected CUSTOM from the drop down, specify facility Transportation Analysis Zones and the weights for each TAZ. These should correspond to how much of the facility is located within each TAZ. Up to 6 custom TAZs can be specified.</p>	<table border="1"> <thead> <tr> <th>TAZ</th> <th>Weight (Percentage)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	TAZ	Weight (Percentage)												
TAZ	Weight (Percentage)														
<p>Step 2: Select Shuttle Services</p> <p>To assess the impact of potential shuttles on facility behavior, select up to three shuttle connections by:</p> <p>(a) selecting a Metrorail station from the dropdown menu</p> <p>(b) adding an estimated shuttle travel time between the Metrorail station you have selected and the facility (This can be taken from Google Maps "Depart At", etc.)</p>	<table border="1"> <thead> <tr> <th>Metrorail Station</th> <th>Shuttle Travel Time [min]</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Metrorail Station	Shuttle Travel Time [min]												
Metrorail Station	Shuttle Travel Time [min]														
<p>Step 3: Add Facility Specific Details</p> <p>Input data (if available) to account for current and/or forecasted conditions at the facility. If no parameters are specified, no adjustment to facility performance will be added.</p> <p>NOTE: Telework, AWS, and Hoteling adjustments rely on both Employee Population and Current Parking Supply. If one or both are missing, no adjustment will be made.</p>	<table border="1"> <tbody> <tr><td>Observed (Current) Parking Ratio</td></tr> <tr><td>Employee Population</td></tr> <tr><td>Observed (Current) Parking Supply</td></tr> <tr><td>Current Telework Percentage</td></tr> <tr><td>Target Telework Percentage</td></tr> <tr><td>Current Alternate Work Schedule Percentage</td></tr> <tr><td>Target Alternate Work Schedule Percentage</td></tr> <tr><td>Current Average Hoteling</td></tr> <tr><td>Target Average Hoteling</td></tr> </tbody> </table> <p><i>Telework: Percent of Employee population who telework at least once per week</i></p> <p><i>Alternate Work Schedule: Percent of employee population who use AWS</i></p> <p><i>Hoteling: Average daily number of visiting hoteling staff</i></p>	Observed (Current) Parking Ratio	Employee Population	Observed (Current) Parking Supply	Current Telework Percentage	Target Telework Percentage	Current Alternate Work Schedule Percentage	Target Alternate Work Schedule Percentage	Current Average Hoteling	Target Average Hoteling					
Observed (Current) Parking Ratio															
Employee Population															
Observed (Current) Parking Supply															
Current Telework Percentage															
Target Telework Percentage															
Current Alternate Work Schedule Percentage															
Target Alternate Work Schedule Percentage															
Current Average Hoteling															
Target Average Hoteling															

Output Side

OUTPUT

Selected Facility	National Foreign Affairs Training Center	
Parking Ratio ¹	Current (2016)	1.95
	Current with Adjustments	
	Future (2030)	1.95
	Future with Adjustments	
Modified Ratio Policy ²	N/A	
Comp Plan Ratio Policy ³	4	
Proposed Policy ⁴	3	



TAZ Weightings	1537	83.3%
	1538	9.2%
	1529	7.1%
	1530	0.3%

Shuttle Services		
Metrorail Station	Lines Served	Travel Time

Current Telework Percentage	
Target Telework Percentage	
Current Alternate Work Schedule Percentage	
Target Alternate Work Schedule Percentage	
Current Average Hoteling	
Target Average Hoteling	

Accessibility Ratio	Current	0.59
	Future	0.58

¹ - 4 possible parking ratio values can be presented
 Current: Either observed based on TMP for a known facility, an input value from the left pane, or the modeled value given input TAZs
 Current with Adjustments: The "Current" value modified by shuttle, telework, alternate work schedule, and/or hoteling parameters.
 Future: Modeled value for 2030
 Future with Adjustments: Modeled value for 2030 modified by shuttle, telework, alternate work schedule, and/or hoteling parameters.

² - Modified Ratio Policy: Intermediate policy set by NCPC for certain facilities.

³ - Comp Plan Ratio Policy: Policy ratio for a facility according to location, defined by current NCPC zones.

⁴ - Proposed Policy: Policy ratio for a facility according to location, defined by zones defined in Parking Study.

Shuttle Alternative

INPUT															
<p>Step 1: Select a Master Planned Facility Click on the cell to the right and choose from the drop down menu that appears. If you want to assess a facility not on the list, select CUSTOM.</p>	<p>National Foreign Affairs Training Center</p>														
<p>Step 1B: Provide CUSTOM TAZ Breakdown If you selected CUSTOM from the drop down, specify facility Transportation Analysis Zones and the weights for each TAZ. These should correspond to how much of the facility is located within each TAZ. Up to 6 custom TAZs can be specified.</p>	<table border="1"> <thead> <tr> <th>TAZ</th> <th>Weight (Percentage)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	TAZ	Weight (Percentage)												
TAZ	Weight (Percentage)														
<p>Step 2: Select Shuttle Services To assess the impact of potential shuttles on facility behavior, select up to three shuttle connections by: (a) selecting a Metrorail station from the dropdown menu (b) adding an estimated shuttle travel time between the Metrorail station you have selected and the facility (This can be taken from Google Maps "Depart At", etc.)</p>	<table border="1"> <thead> <tr> <th>Metrorail Station</th> <th>Shuttle Travel Time [min]</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Metrorail Station	Shuttle Travel Time [min]												
Metrorail Station	Shuttle Travel Time [min]														
<p>Step 3: Add Facility Specific Details Input data (if available) to account for current and/or forecasted conditions at the facility. If no parameters are specified, no adjustment to facility performance will be added.</p> <p>NOTE: Telework, AWS, and Hoteling adjustments rely on both Employee Population and Current Parking Supply. If one or both are missing, no adjustment will be made.</p>	<table border="1"> <tbody> <tr><td>Observed (Current) Parking Ratio</td></tr> <tr><td>Employee Population</td></tr> <tr><td>Observed (Current) Parking Supply</td></tr> <tr><td>Current Telework Percentage</td></tr> <tr><td>Target Telework Percentage</td></tr> <tr><td>Current Alternate Work Schedule Percentage</td></tr> <tr><td>Target Alternate Work Schedule Percentage</td></tr> <tr><td>Current Average Hoteling</td></tr> <tr><td>Target Average Hoteling</td></tr> </tbody> </table> <p><i>Telework: Percent of Employee population who telework at least once per week</i></p> <p><i>Alternate Work Schedule: Percent of employee population who use AWS</i></p> <p><i>Hoteling: Average daily number of visiting hoteling staff</i></p>	Observed (Current) Parking Ratio	Employee Population	Observed (Current) Parking Supply	Current Telework Percentage	Target Telework Percentage	Current Alternate Work Schedule Percentage	Target Alternate Work Schedule Percentage	Current Average Hoteling	Target Average Hoteling					
Observed (Current) Parking Ratio															
Employee Population															
Observed (Current) Parking Supply															
Current Telework Percentage															
Target Telework Percentage															
Current Alternate Work Schedule Percentage															
Target Alternate Work Schedule Percentage															
Current Average Hoteling															
Target Average Hoteling															

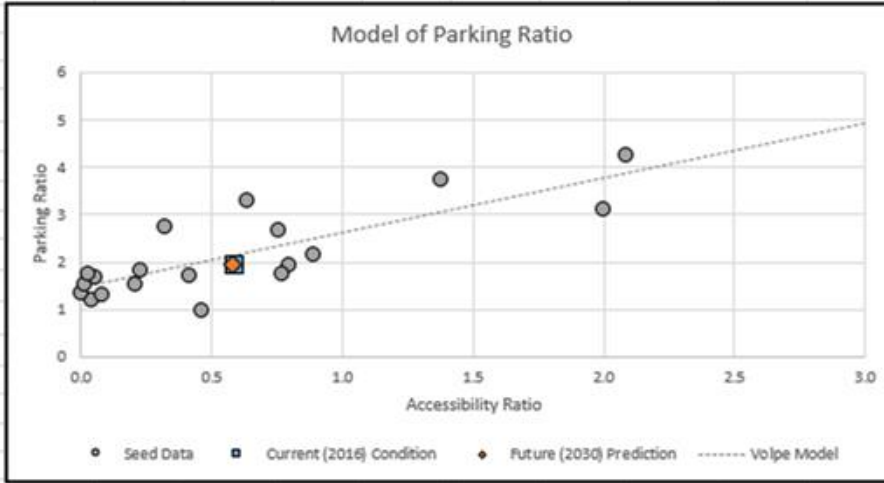
Shuttle Alternative

INPUT																	
<p>Step 1: Select a Master Planned Facility</p> <p>Click on the cell to the right and choose from the drop down menu that appears. If you want to assess a facility not on the list, select CUSTOM.</p>	<p>National Foreign Affairs Training Center</p>																
<p>Step 1B: Provide CUSTOM TAZ Breakdown</p> <p>If you selected CUSTOM from the drop down, specify facility Transportation Analysis Zones and the weights for each TAZ. These should correspond to how much of the facility is located within each TAZ. Up to 6 custom TAZs can be specified.</p>	<table border="1"> <thead> <tr> <th>TAZ</th> <th>Weight (Percentage)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	TAZ	Weight (Percentage)														
TAZ	Weight (Percentage)																
<p>Step 2: Select Shuttle Services</p> <p>To assess the impact of potential shuttles on facility behavior, select up to three shuttle connections by:</p> <p>(a) selecting a Metrorail station from the dropdown menu</p> <p>(b) adding an estimated shuttle travel time between the Metrorail station you have selected and the facility (This can be taken from Google Maps "Depart At", etc.)</p>	<table border="1"> <thead> <tr> <th>Metrorail Station</th> <th>Shuttle Travel Time [min]</th> </tr> </thead> <tbody> <tr> <td>Ballston-MU</td> <td>5</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Metrorail Station	Shuttle Travel Time [min]	Ballston-MU	5												
Metrorail Station	Shuttle Travel Time [min]																
Ballston-MU	5																
<p>Step 3: Add Facility Specific Details</p> <p>Input data (if available) to account for current and/or forecasted conditions at the facility. If no parameters are specified, no adjustment to facility performance will be added.</p> <p>NOTE: Telework, AWS, and Hoteling adjustments rely on both Employee Population and Current Parking Supply. If one or both are missing, no adjustment will be made.</p>	<table border="1"> <tbody> <tr><td>Observed (Current) Parking Ratio</td></tr> <tr><td>Employee Population</td></tr> <tr><td>Observed (Current) Parking Supply</td></tr> <tr><td>Current Telework Percentage</td></tr> <tr><td>Target Telework Percentage</td></tr> <tr><td>Current Alternate Work Schedule Percentage</td></tr> <tr><td>Target Alternate Work Schedule Percentage</td></tr> <tr><td>Current Average Hoteling</td></tr> <tr><td>Target Average Hoteling</td></tr> </tbody> </table> <p><i>Telework: Percent of Employee population who telework at least once per week</i></p> <p><i>Alternate Work Schedule: Percent of employee population who use AWS</i></p> <p><i>Hoteling: Average daily number of visiting hoteling staff</i></p>	Observed (Current) Parking Ratio	Employee Population	Observed (Current) Parking Supply	Current Telework Percentage	Target Telework Percentage	Current Alternate Work Schedule Percentage	Target Alternate Work Schedule Percentage	Current Average Hoteling	Target Average Hoteling							
Observed (Current) Parking Ratio																	
Employee Population																	
Observed (Current) Parking Supply																	
Current Telework Percentage																	
Target Telework Percentage																	
Current Alternate Work Schedule Percentage																	
Target Alternate Work Schedule Percentage																	
Current Average Hoteling																	
Target Average Hoteling																	

Shuttle Alternative

OUTPUT

Selected Facility	National Foreign Affairs Training Center	
Parking Ratio ¹	Current (2016)	1.95
	Current with Adjustments	2.55
	Future (2030)	1.95
	Future with Adjustments	2.54
Modified Ratio Policy ²	N/A	
Comp Plan Ratio Policy ³	4	
Proposed Policy ⁴	3	



TAZ Weightings		
	1537	83.3%
	1538	9.2%
	1529	7.1%
	1530	0.3%

Shuttle Services		
Metrorail Station	Lines Served	Travel Time
Ballston-MU	O, S	5

Current Telework Percentage	
Target Telework Percentage	
Current Alternate Work Schedule Percentage	
Target Alternate Work Schedule Percentage	
Current Average Hoteling	
Target Average Hoteling	

Accessibility Ratio	Current	0.59
	Future	0.58

¹ - 4 possible parking ratio values can be presented
 Current: Either observed based on TMP for a known facility, an input value from the left pane, or the modeled value given input TAZs
 Current with Adjustments: The "Current" value modified by shuttle, telework, alternate work schedule, and/or hoteling parameters.
 Future: Modeled value for 2030
 Future with Adjustments: Modeled value for 2030 modified by shuttle, telework, alternate work schedule, and/or hoteling parameters.

² - Modified Ratio Policy: Intermediate policy set by NCPC for certain facilities.

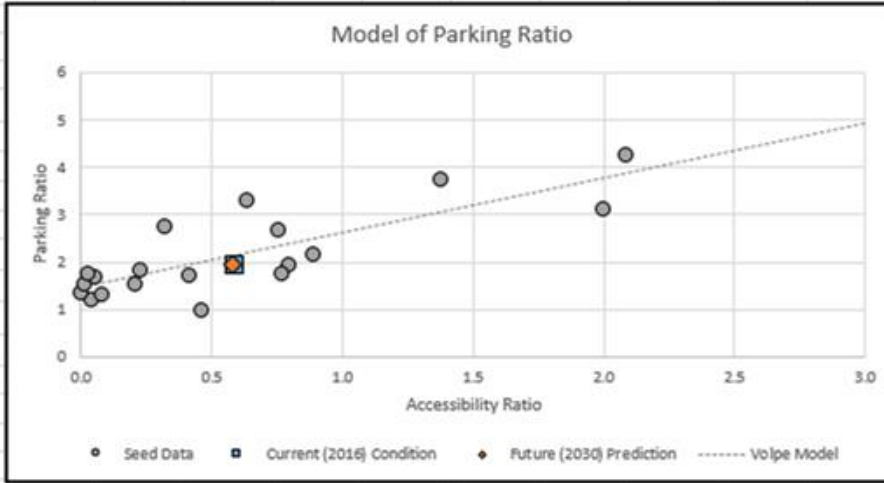
³ - Comp Plan Ratio Policy: Policy ratio for a facility according to location, defined by current NCPC zones.

⁴ - Proposed Policy: Policy ratio for a facility according to location, defined by zones defined in Parking Study.

Shuttle Alternative

OUTPUT

Selected Facility	National Foreign Affairs Training Center	
Parking Ratio ¹	Current (2016)	1.95
	Current with Adjustments	2.55
	Future (2030)	1.95
	Future with Adjustments	2.54
Modified Ratio Policy ²	N/A	
Comp Plan Ratio Policy ³	4	
Proposed Policy ⁴	3	



TAZ Weightings		
	1537	83.3%
	1538	9.2%
	1529	7.1%
	1530	0.3%

Shuttle Services	Lines Served	Travel Time
Metrorail Station		
Ballston-MU	O, S	5

Current Telework Percentage	
Target Telework Percentage	
Current Alternate Work Schedule Percentage	
Target Alternate Work Schedule Percentage	
Current Average Hoteling	
Target Average Hoteling	

Accessibility Ratio	Current	0.59
	Future	0.58

¹ - 4 possible parking ratio values can be presented
 Current: Either observed based on TMP for a known facility, an input value from the left pane, or the modeled value given input TAZs
 Current with Adjustments: The "Current" value modified by shuttle, telework, alternate work schedule, and/or hoteling parameters.
 Future: Modeled value for 2030
 Future with Adjustments: Modeled value for 2030 modified by shuttle, telework, alternate work schedule, and/or hoteling parameters.

² - Modified Ratio Policy: Intermediate policy set by NCPC for certain facilities.

³ - Comp Plan Ratio Policy: Policy ratio for a facility according to location, defined by current NCPC zones.

⁴ - Proposed Policy: Policy ratio for a facility according to location, defined by zones defined in Parking Study.