



VIRGINIA AIR TRANSPORTATION SYSTEM PLAN

CRITERIA 2 - CORPORATE JET AIRPORTS - EXISTING CONDITIONS

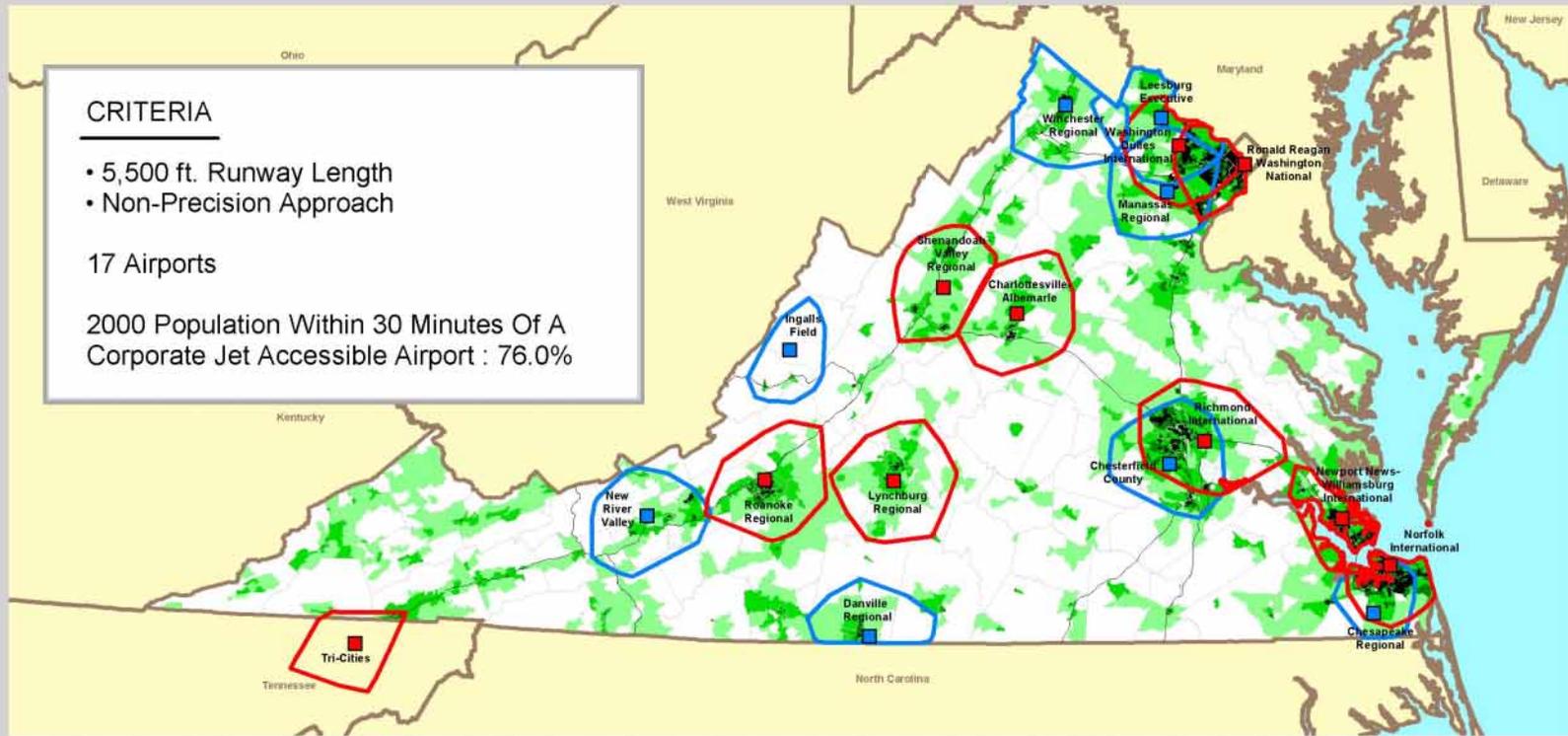
Alt - Exhibit 4

CRITERIA

- 5,500 ft. Runway Length
- Non-Precision Approach

17 Airports

2000 Population Within 30 Minutes Of A Corporate Jet Accessible Airport : 76.0%



 30 Minute Commercial Service Travel Time
 30 Minute General Aviation Travel Time

■ Corporate Jet Accessible - Commercial Service Airport
■ Corporate Jet Accessible - General Aviation Airport

2000 Population Per Square Mile

	0 - 50
	51 - 150
	151 - 1,500
	1,501 - 3,000
	3,001 - 64,000



Source: HNTB Analysis



VIRGINIA AIR TRANSPORTATION SYSTEM PLAN

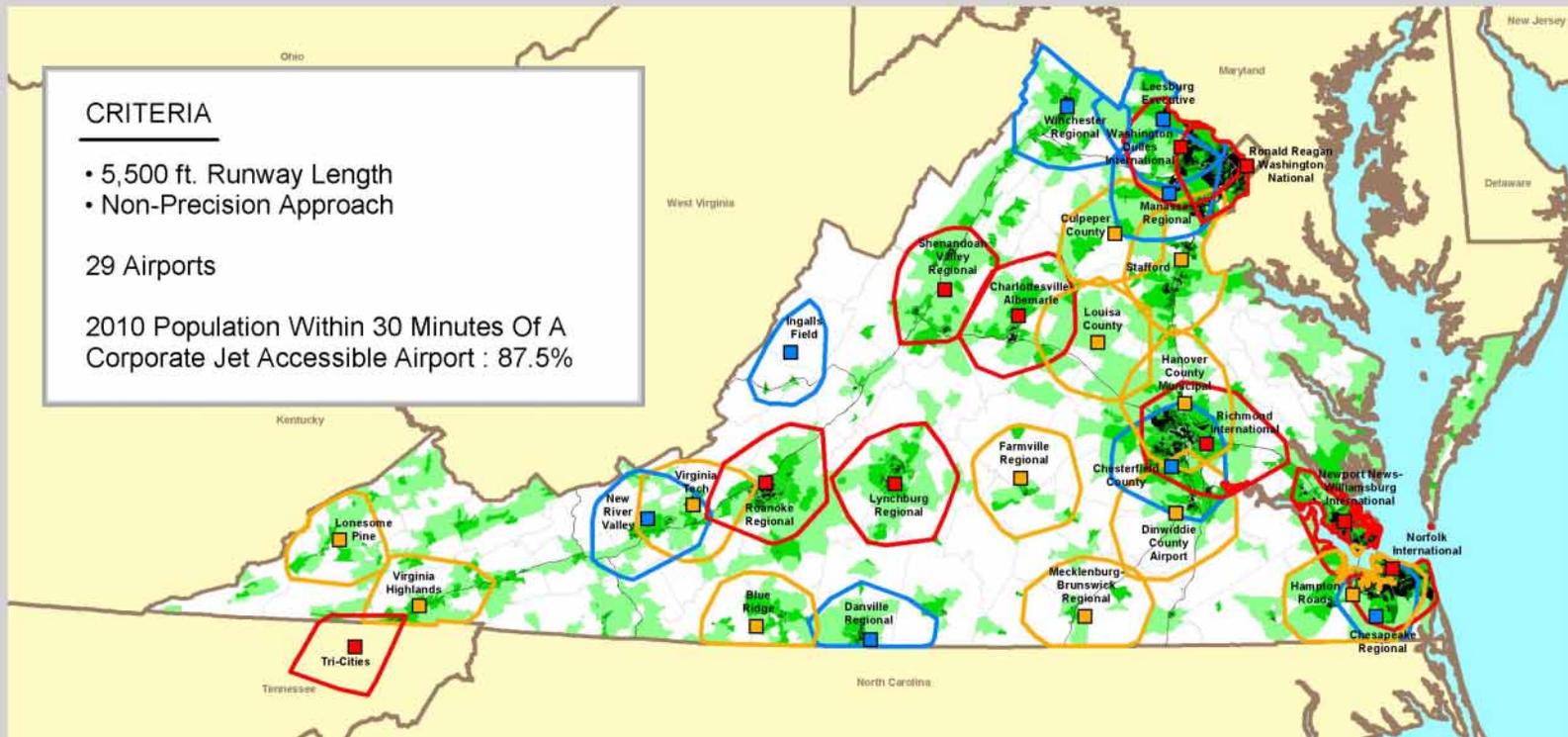
CRITERIA 2 - CORPORATE JET AIRPORTS - WITH RECOMMENDED IMPROVEMENTS Alt - Exhibit 5

CRITERIA

- 5,500 ft. Runway Length
- Non-Precision Approach

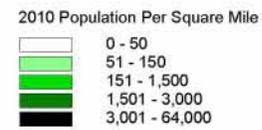
29 Airports

2010 Population Within 30 Minutes Of A Corporate Jet Accessible Airport : 87.5%



- 30 Minute Commercial Service Travel Time
- 30 Minute General Aviation Travel Time
- 30 Minute General Aviation Travel Time (With Recommended Improvements)

- Corporate Jet Accessible - Commercial Service Airport
- Corporate Jet Accessible - General Aviation Airport
- Corporate Jet Accessible - General Aviation Airport (With Recommended Improvements)



Source: HNTB Analysis



VIRGINIA AIR TRANSPORTATION SYSTEM PLAN

CRITERIA 3 - CORPORATE JET AIRPORTS - EXISTING CONDITIONS

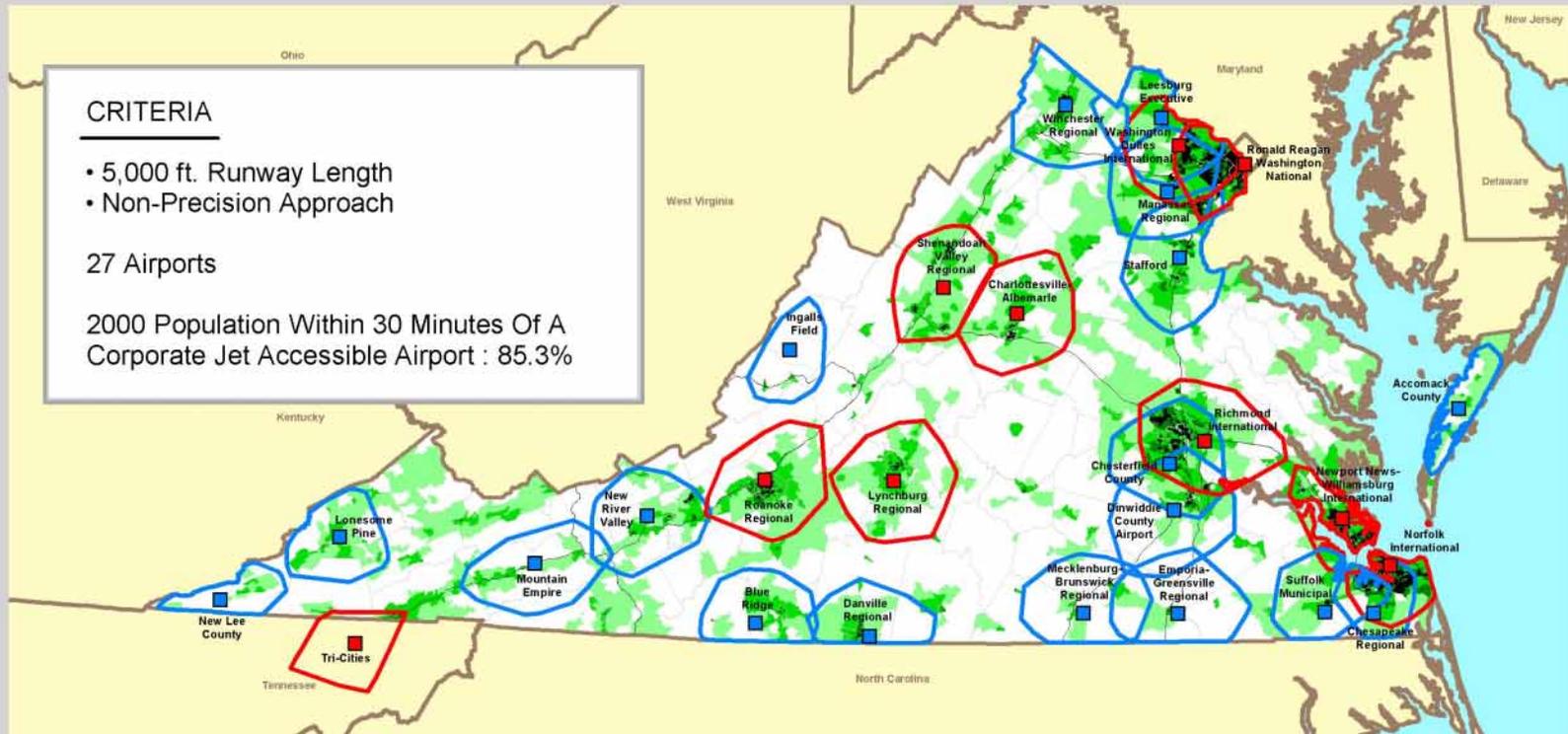
Alt - Exhibit 6

CRITERIA

- 5,000 ft. Runway Length
- Non-Precision Approach

27 Airports

2000 Population Within 30 Minutes Of A Corporate Jet Accessible Airport : 85.3%



- 30 Minute Commercial Service Travel Time
- 30 Minute General Aviation Travel Time

- Corporate Jet Accessible - Commercial Service Airport
- Corporate Jet Accessible - General Aviation Airport

2000 Population Per Square Mile

- 0 - 50
- 51 - 150
- 151 - 1,500
- 1,501 - 3,000
- 3,001 - 64,000

50 0 50 Miles



Source: HNTB Analysis



VIRGINIA AIR TRANSPORTATION SYSTEM PLAN

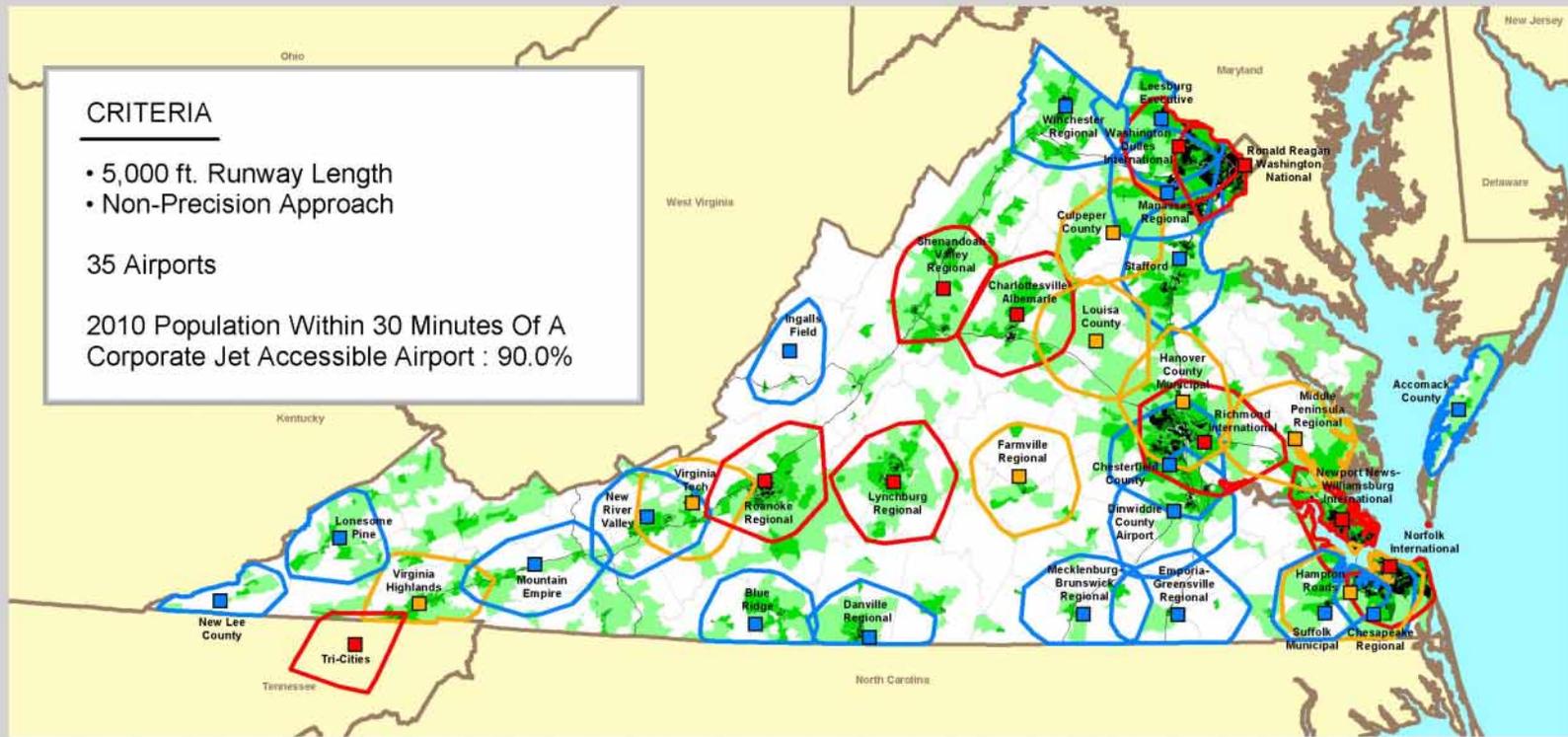
CRITERIA 3 - CORPORATE JET AIRPORTS - WITH RECOMMENDED IMPROVEMENTS Alt - Exhibit 7

CRITERIA

- 5,000 ft. Runway Length
- Non-Precision Approach

35 Airports

2010 Population Within 30 Minutes Of A Corporate Jet Accessible Airport : 90.0%



- 30 Minute Commercial Service Travel Time
- 30 Minute General Aviation Travel Time
- 30 Minute General Aviation Travel Time (With Recommended Improvements)

- Corporate Jet Accessible - Commercial Service Airport
- Corporate Jet Accessible - General Aviation Airport
- Corporate Jet Accessible - General Aviation Airport (With Recommended Improvements)

- 2010 Population Per Square Mile
- 0 - 50
 - 51 - 150
 - 151 - 1,500
 - 1,501 - 3,000
 - 3,001 - 64,000

50 0 50 Miles



Source: HNTB Analysis



VIRGINIA AIR TRANSPORTATION SYSTEM PLAN

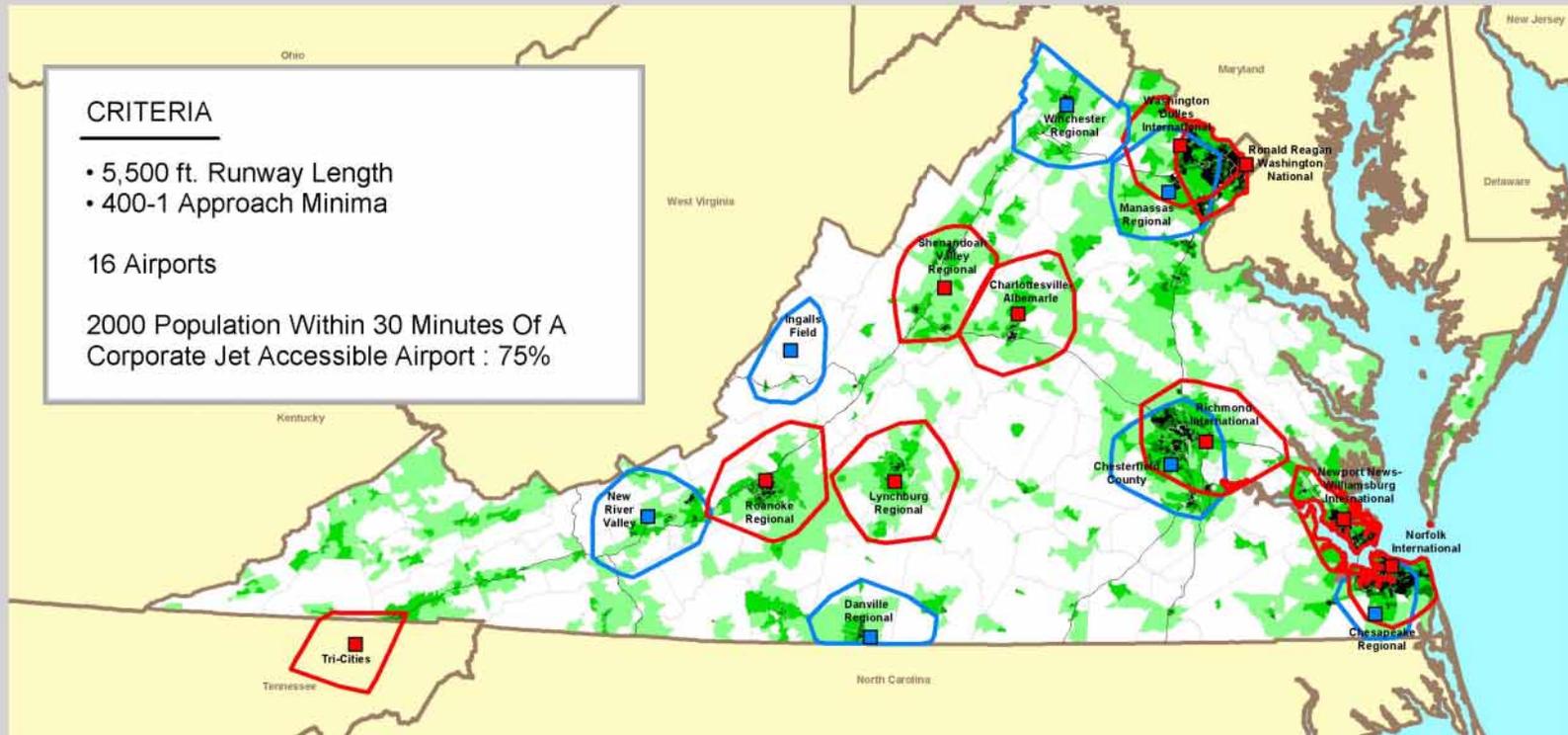
RECOMMENDED CRITERIA - CORPORATE JET AIRPORTS - EXISTING CONDITIONS Alt - Exhibit 8

CRITERIA

- 5,500 ft. Runway Length
- 400-1 Approach Minima

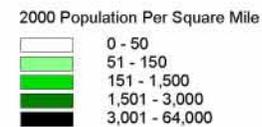
16 Airports

2000 Population Within 30 Minutes Of A Corporate Jet Accessible Airport : 75%



- 30 Minute Commercial Service Travel Time
- 30 Minute General Aviation Travel Time

- Corporate Jet Accessible - Commercial Service Airport
- Corporate Jet Accessible - General Aviation Airport



50 0 50 Miles



Source: HNTB Analysis



VIRGINIA AIR TRANSPORTATION SYSTEM PLAN

RECOMMENDED CRITERIA - CORPORATE JET AIRPORTS
WITH RECOMMENDED IMPROVEMENTS

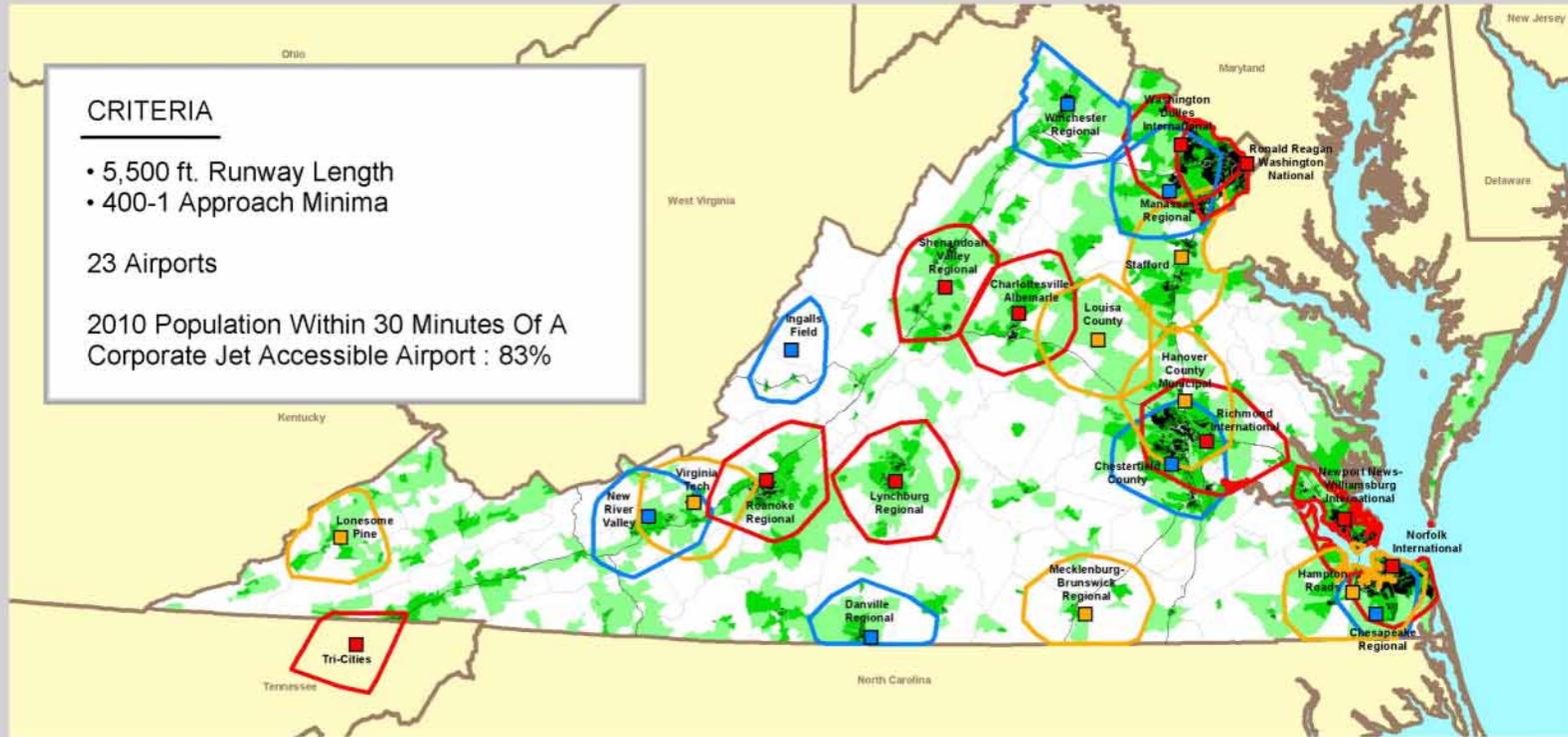
Alt - Exhibit 9

CRITERIA

- 5,500 ft. Runway Length
- 400-1 Approach Minima

23 Airports

2010 Population Within 30 Minutes Of A Corporate Jet Accessible Airport : 83%



- 30 Minute Commercial Service Travel Time
- 30 Minute General Aviation Travel Time
- 30 Minute General Aviation Travel Time (With Recommended Improvements)

- Corporate Jet Accessible - Commercial Service Airport
- Corporate Jet Accessible - General Aviation Airport
- Corporate Jet Accessible - General Aviation Airport (With Recommended Improvements)

- 2010 Population Per Square Mile
- 0 - 50
 - 51 - 150
 - 151 - 1,500
 - 1,501 - 3,000
 - 3,001 - 64,000

50 0 50 Miles



Source: HNTB Analysis

System Alternatives

Alternative 1 – Existing System (Status Quo)

The existing airport system has 67 airports as follows:

› Commercial Service	9
› Reliever	8
› GA Regional	17
› GA Community	17
› GA Local Service	17

As shown in Table 2, and illustrated previously in Exhibit 1, over 97 percent of the 2000 population of Virginia is currently within 30 minutes of a GA airport or 45 minutes of a Commercial Service airport.

Table 2

Population Served

Service Area	2000 Percentage Served	2010 Percentage Served
Within 45-minutes of a Commercial Service Airport	77.57	78.24
Within 30-minutes of a General Aviation Airport	79.99	80.60
Within 45-minutes of a Commercial Service Airport or 30-minutes of a General Aviation Airport	97.18	97.32

Source: HNTB Analysis

Alternative 2 – Expanded System

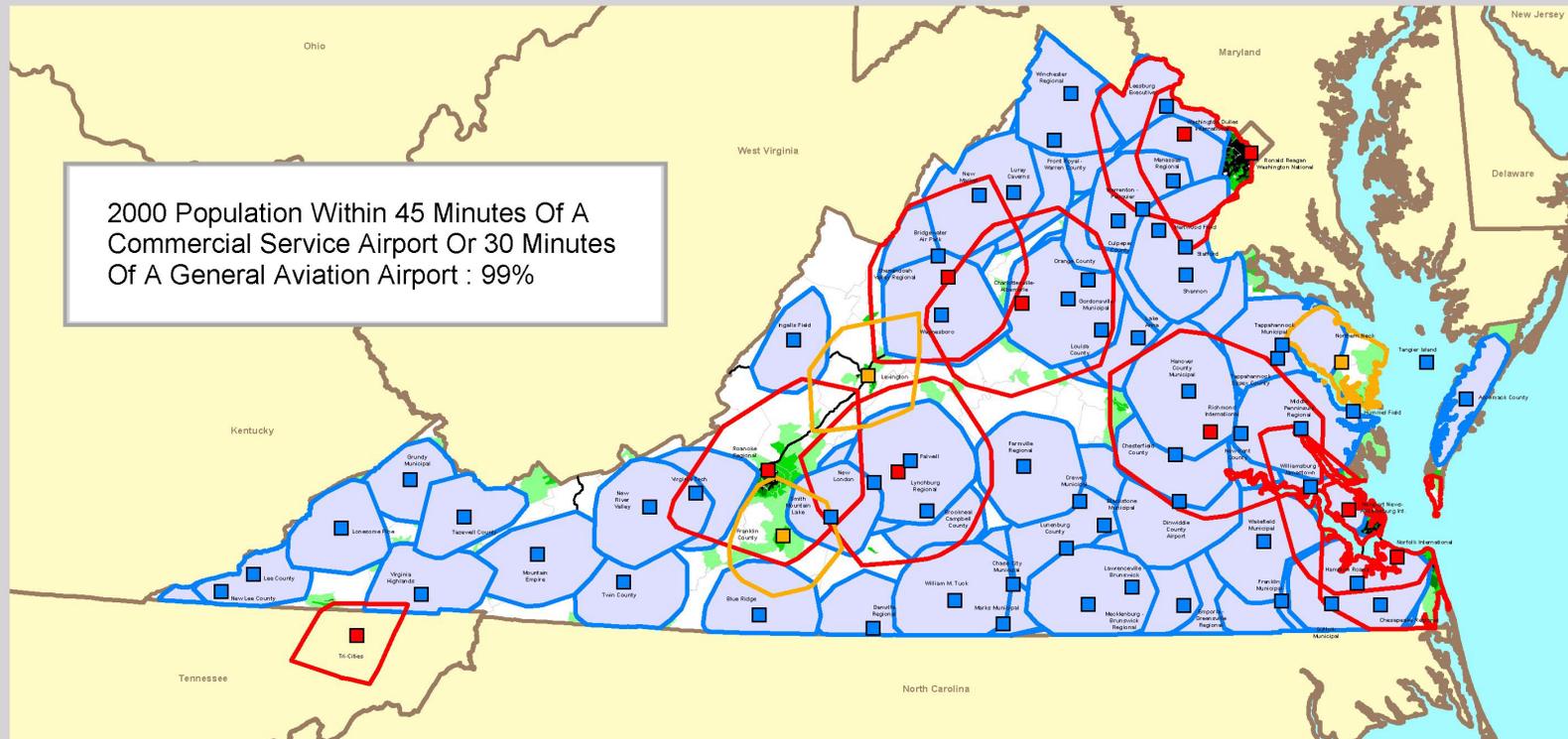
As shown in Exhibit 10, Alternative 2 includes three new GA community airports; one in Franklin County, one in Lexington County, and one in Northern Neck.. The addition of these airports would close populated service area coverage gaps, and, as shown in Table 3, bring over 99 percent of the 2010 population of Virginia within 30 minutes of a GA airport or 45 minutes of a Commercial Service airport. However, it should be noted that although there is an obvious service gap in the Lexington area, a new airport is not welcomed by the community, and has been voted down by referendum. (Also, there are on-going planning studies underway for a new airport in Northern Neck.)



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ALTERNATIVE 2 - EXPANDED SYSTEM

Alt - Exhibit 10



	45 Minute Commercial Service Travel Time		Commercial Service Airport	2000 Population Per Square Mile 0 - 50 51 - 150 151 - 1,500 1,501 - 3,000 3,001 - 64,000
	30 Minute General Aviation Travel Time		General Aviation Airport	
	30 Minute Proposed General Aviation Travel Time		Proposed General Aviation Airport	

Source: HNTB Analysis