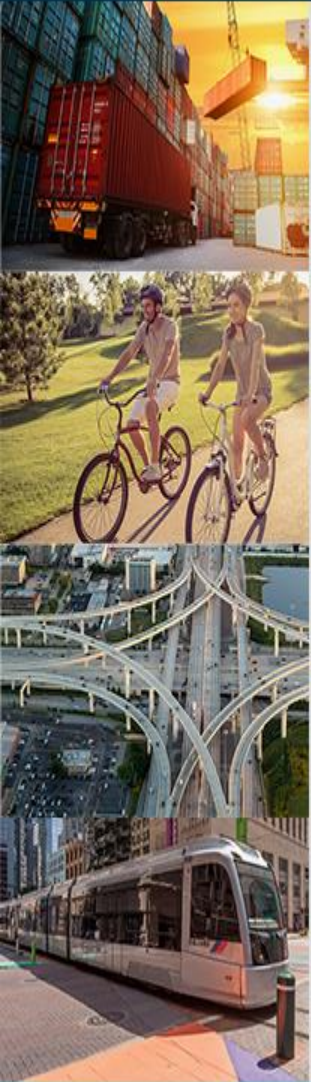# Houston-Galveston Area Council's Regional Growth Forecast

Pramod Sambidi, PhD
Houston-Galveston Area Council

Houston City Council TTI Committee, February 12, 2018

H-GAC
METROPOLITAN
PLANNING
ORGANIZATION

Socio-Economic Modeling

❖ Manage Regional Data (Demographic, Economic, and Real Estate)

❖ Produce Regional Growth Forecast (Population, Employment and Land Use)

❖ Develop Interactive Tools and Web Mapping Applications

❖ Provide Informational Services and Analytical Support

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Forecast Methodology

Generate annual (2015-2045) population, households, and jobs (regional totals)

Translate into annual demand for housing and non-residential space (regional totals)

Generate annual supply of new residential and non-residential buildings (parcel-specific)
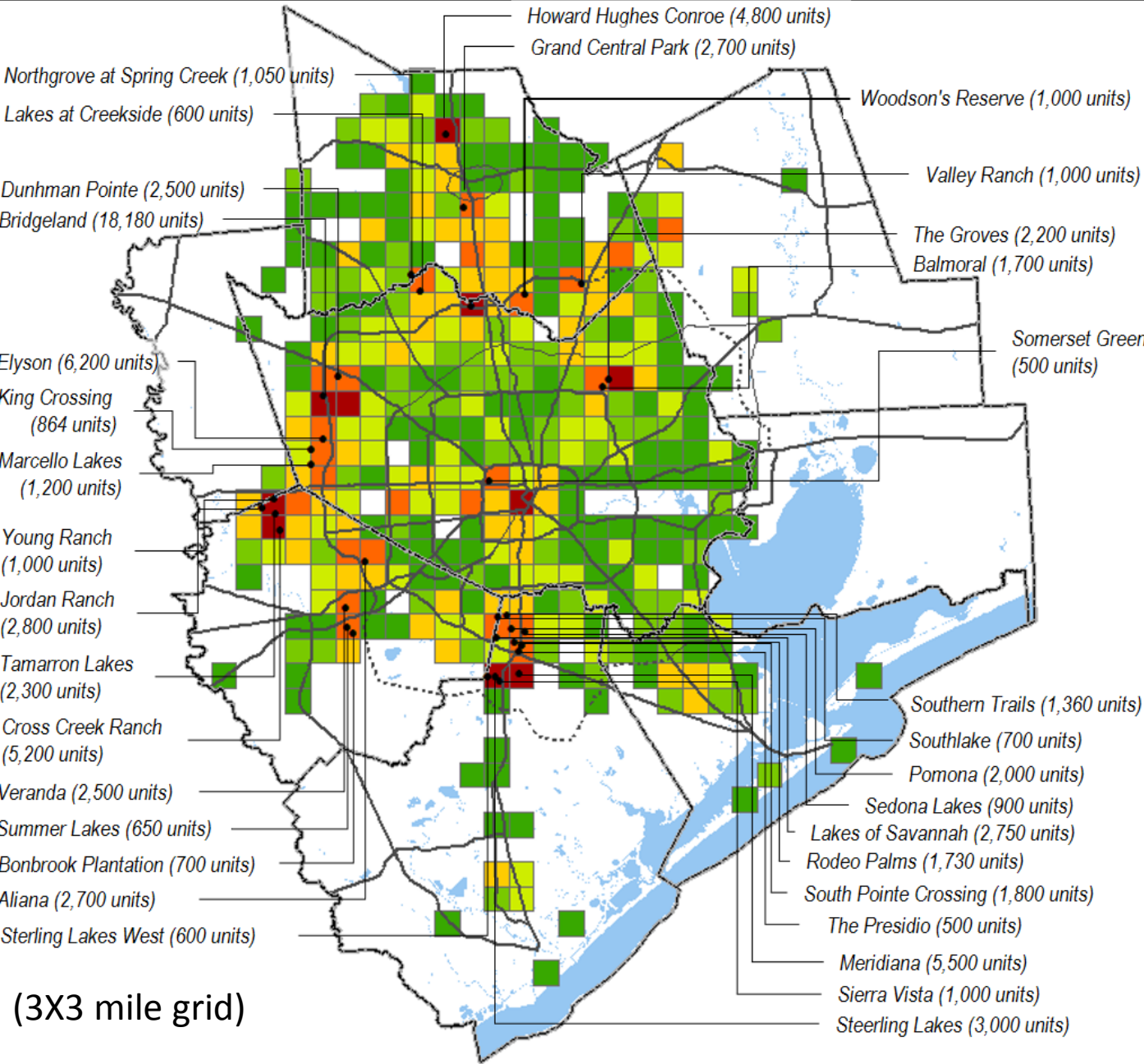
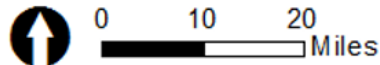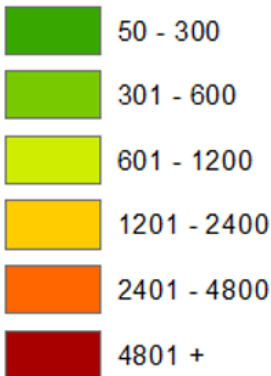Assign people and jobs to buildings

Sum up to get area-wide counts for any geography (e.g., county, census tract, TAZ, zip code)

Announced Residential Developments (2015- 2045)

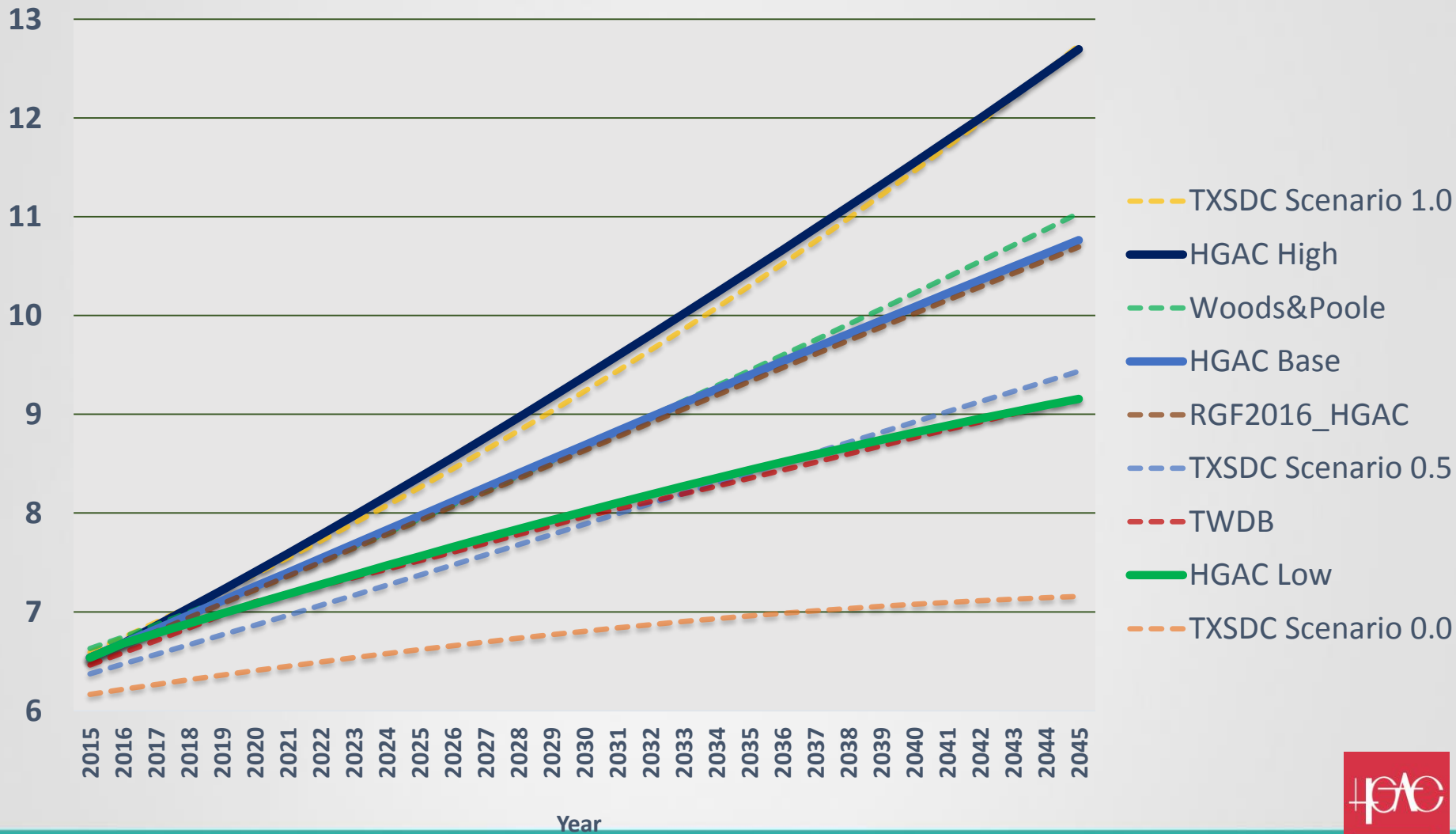Howard Hughes Conroe (4,800 units)
Grand Central Park (2,700 units)
Northgrove at Spring Creek (1,050 units)
Lakes at Creekside (600 units)
Woodson's Reserve (1,000 units)
Dunhman Pointe (2,500 units)
Bridgeland (18,180 units)
Valley Ranch (1,000 units)
The Groves (2,200 units)
Balmoral (1,700 units)
Somerset Green (500 units)
Elyson (6,200 units)
King Crossing (864 units)
Marcello Lakes (1,200 units)
Young Ranch (1,000 units)
Jordan Ranch (2,800 units)
Tamarron Lakes (2,300 units)
Cross Creek Ranch (5,200 units)
Veranda (2,500 units)
Summer Lakes (650 units)
Bonbrook Plantation (700 units)
Aliana (2,700 units)
Sterling Lakes West (600 units)
Southern Trails (1,360 units)
Southlake (700 units)
Pomona (2,000 units)
Sedona Lakes (900 units)
Lakes of Savannah (2,750 units)
Rodeo Palms (1,730 units)
South Pointe Crossing (1,800 units)
The Presidio (500 units)
Meridiana (5,500 units)
Sierra Vista (1,000 units)
Steerling Lakes (3,000 units)

(3X3 mile grid)

County	No. of Residential Units	%
Total	358,945	100.0%
Brazoria	29,954	8.3%
Fort Bend	57,896	16.1%
Galveston	11,460	3.2%
Harris	177,706	49.5%
Liberty	10,362	2.9%
Montgomery	68,494	19.1%
Waller	3,071	0.9%

● Master Planned Communities

Residential Units

	50 - 300
	301 - 600
	601 - 1200
	1201 - 2400
	2401 - 4800
	4801 +

0 10 20 Miles

H-GAC 8-County Population Forecast (in millions)

Legend:
- TXSDC Scenario 1.0
- HGAC High
- Woods&Poole
- HGAC Base
- RGF2016_HGAC
- TXSDC Scenario 0.5
- TWDB
- HGAC Low
- TXSDC Scenario 0.0

X-axis: Year (2015–2045)
Y-axis: 6–13

H-GAC METROPOLITAN PLANNING ORGANIZATION

H-GAC 8-County Employment Forecast (in millions)

Legend:
- HGAC High
- Woods&Poole
- HGAC Base
- RGF2016_HGAC
- HGAC Low

X-axis: Year (2015–2045)
Y-axis: 3.00 to 6.00

H-GAC METROPOLITAN PLANNING ORGANIZATION
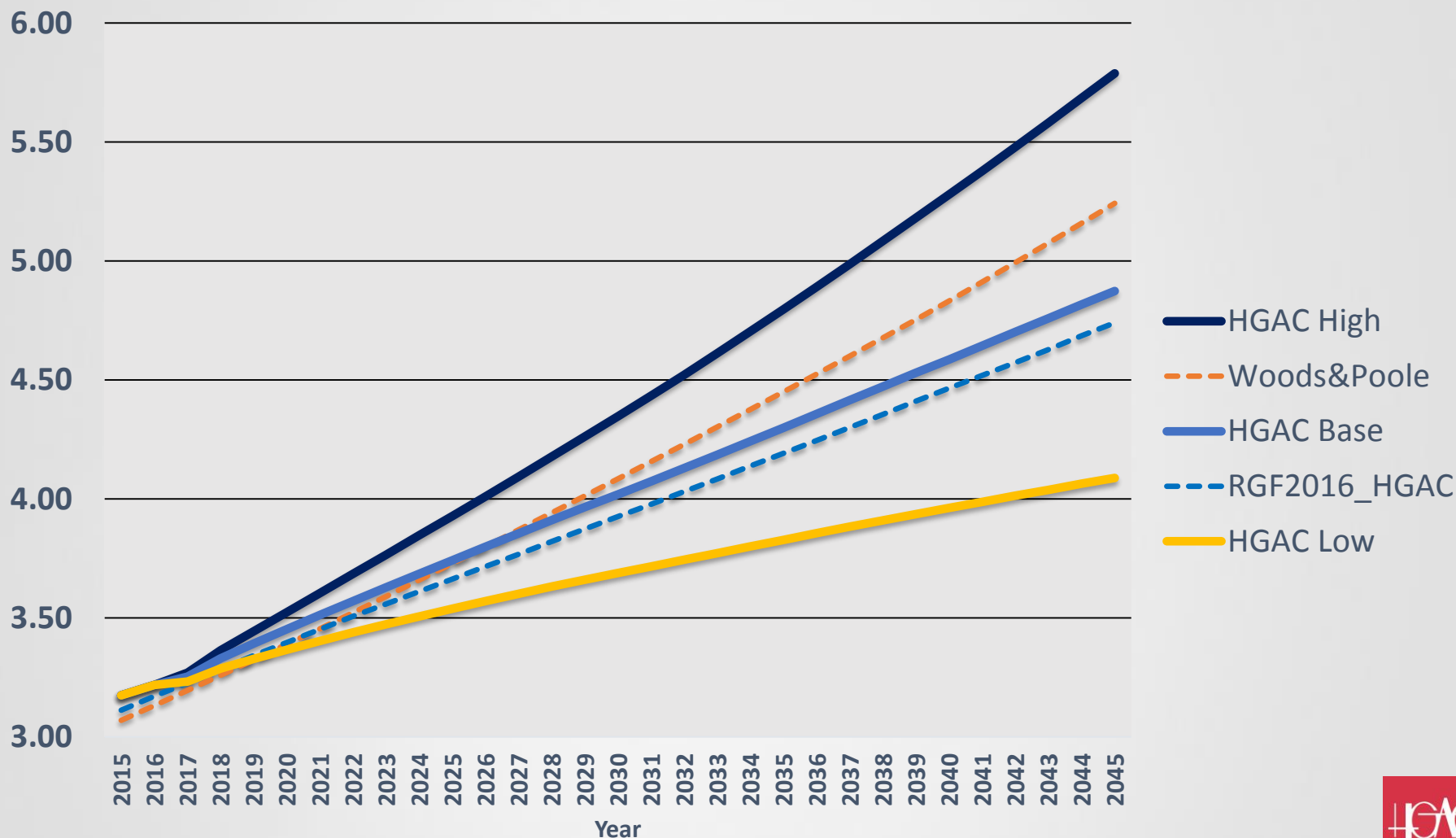
Household Population

2015
(6.54 Million)

2045
(10.76 Million)

+4.2 Million

	Under 500
	501 - 2,000
	2,001 - 5,000
	5,001 - 10,000
	10,001 - 25,000
	25,001 - 50,000
	Over 50,000

(3X3 mile grid)

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Regional Collaboration • Transportation Planning • Multimodal Mobility
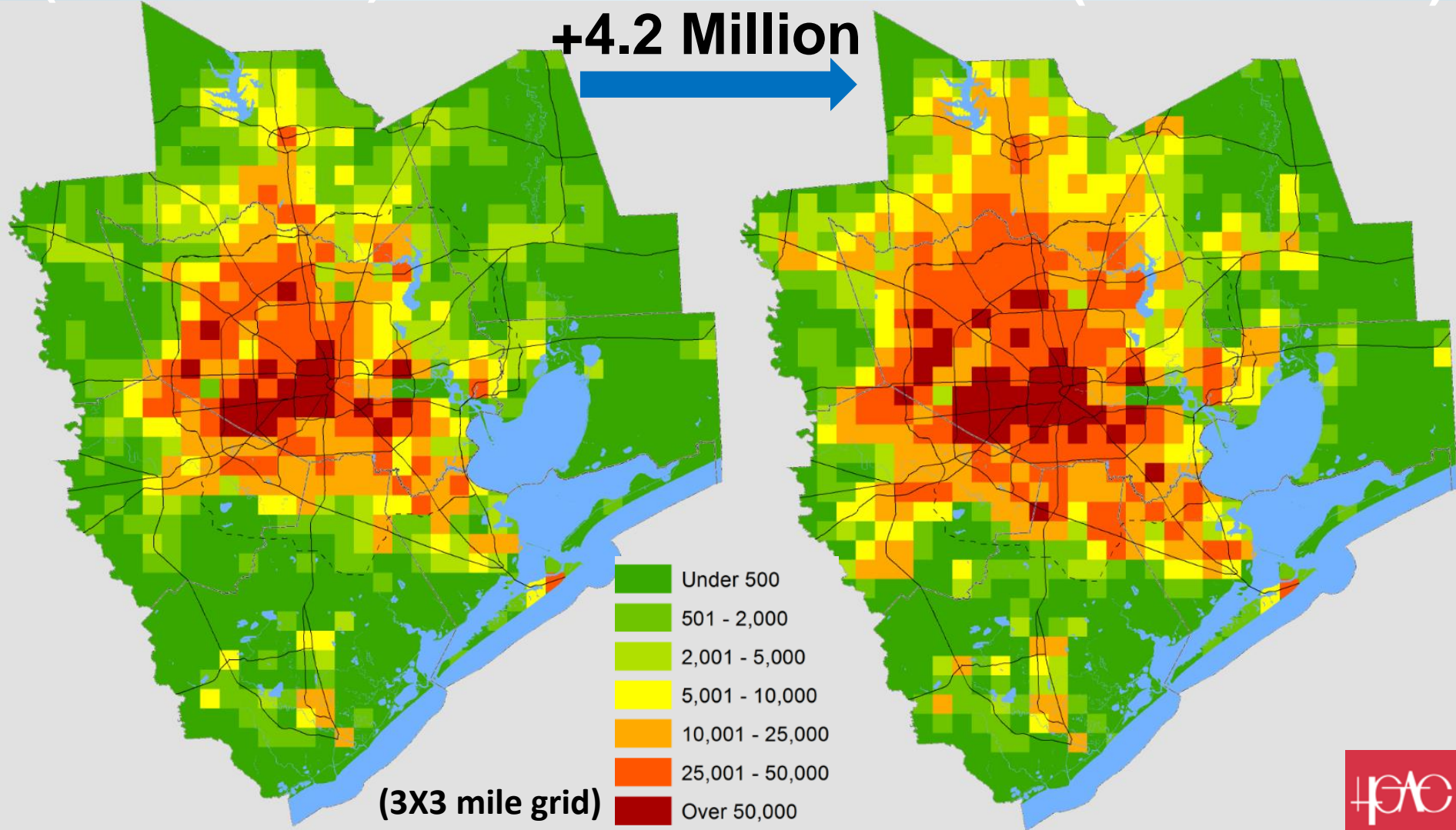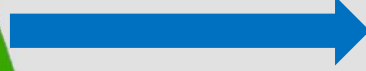
Household Population Growth 2015 to 2045

2015-2045 Population Change

- Under 500
- 501 - 2,000
- 2,001 - 5,000
- 5,001 - 10,000
- 10,001 - 25,000
- 25,001 - 50,000
- Over 50,000

(3X3 mile grid)

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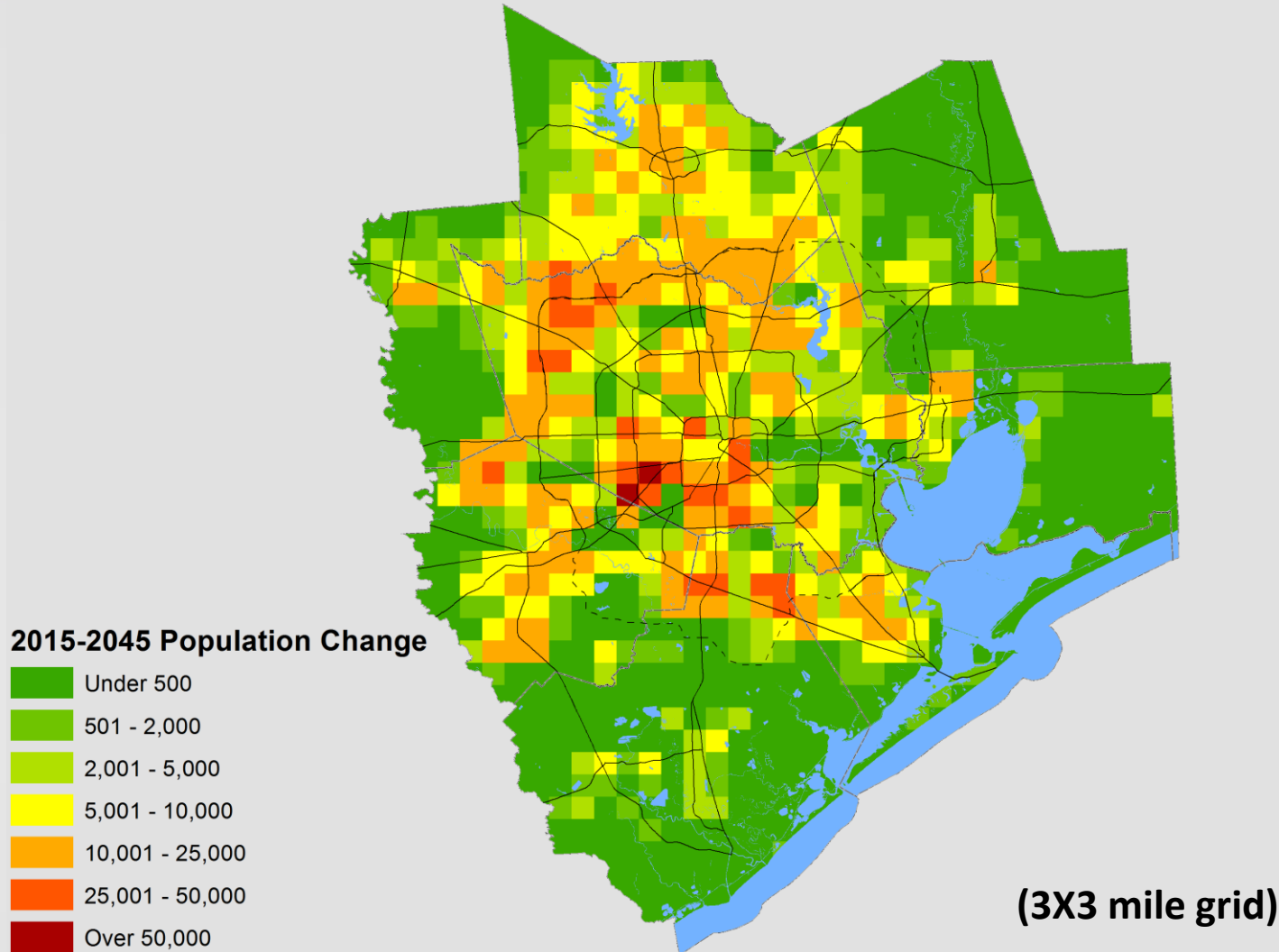
Regional Household Population (in millions) 2015-2045
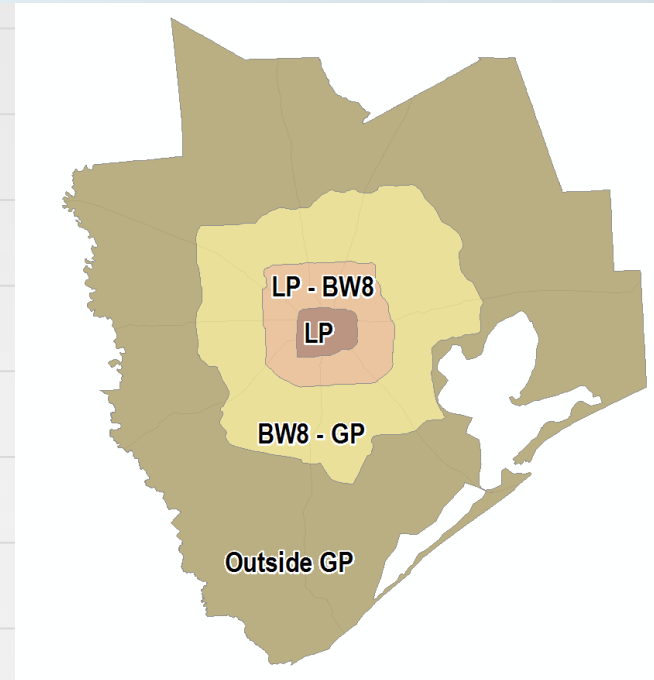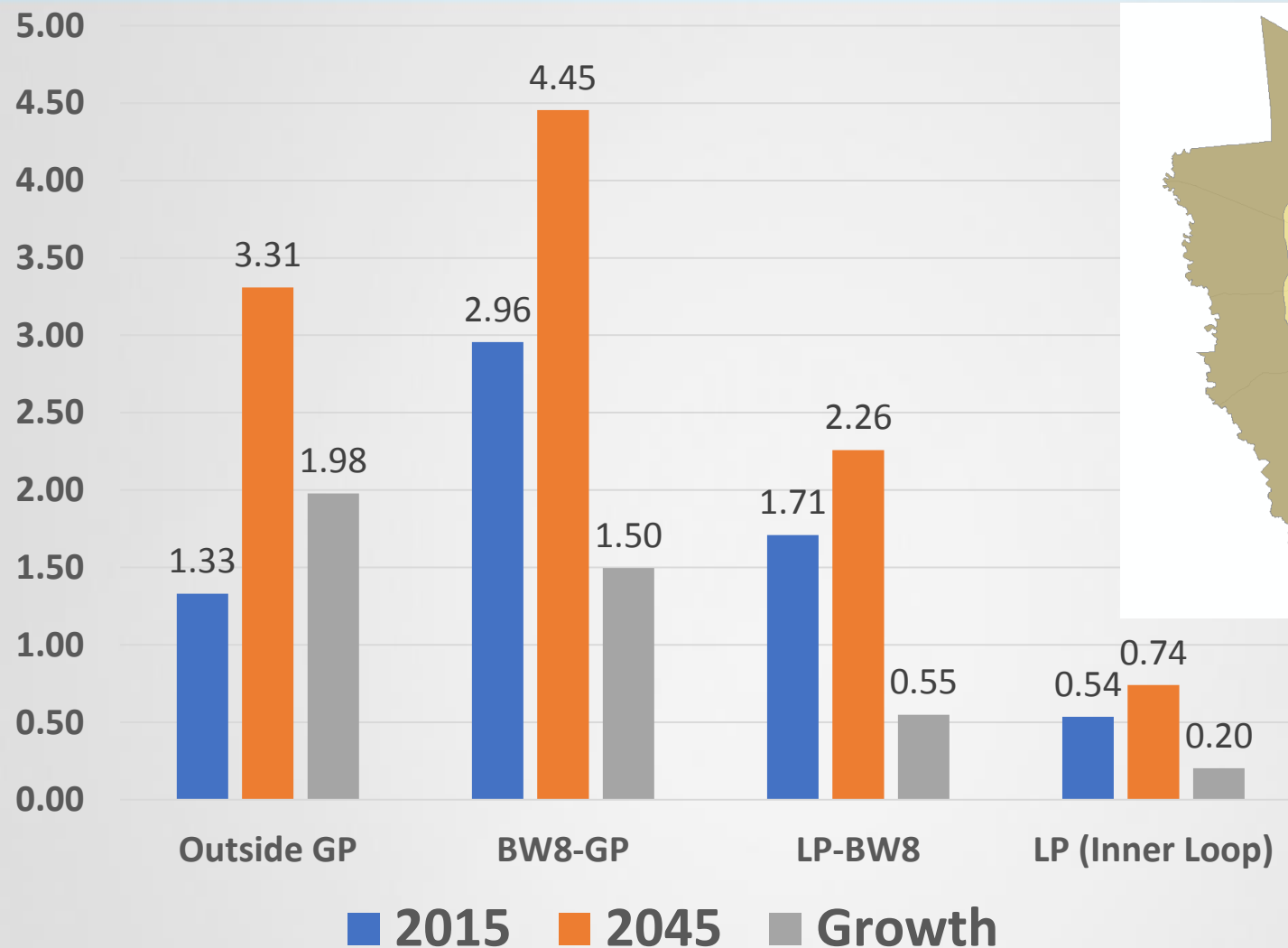
Regional Household Population (in 000's) 2015-2045

Employment

2015
(3.2 Million)

2045
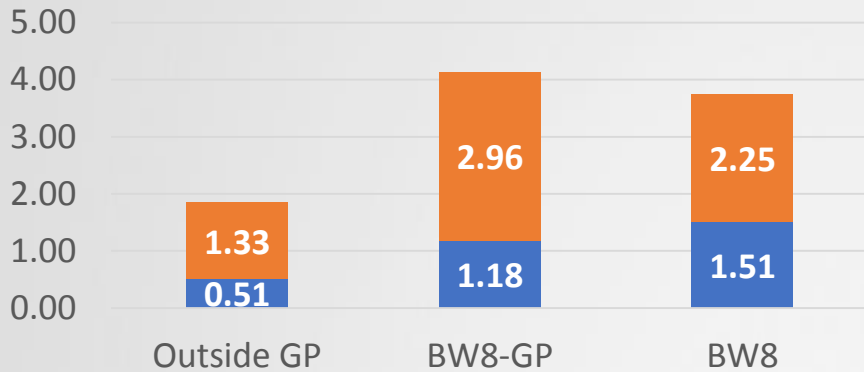## (4.8 Million)

+1.6 Million

Under 500
501 - 2,000
2,001 - 5,000
5,001 - 10,000
10,001 - 25,000
25,001 - 50,000
Over 50,000

(3X3 mile grid)

Regional Collaboration • Transportation Planning • Multimodal Mobility
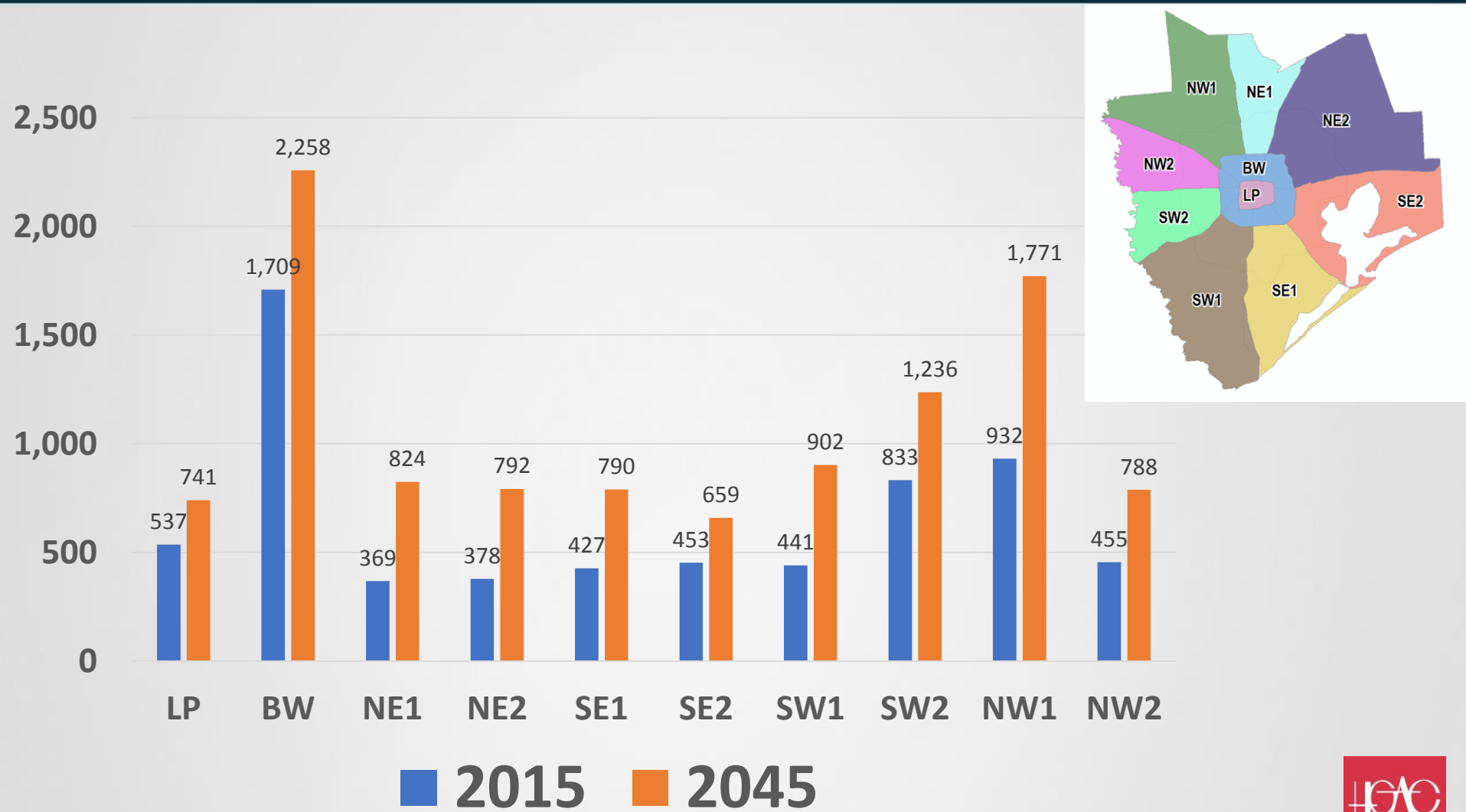
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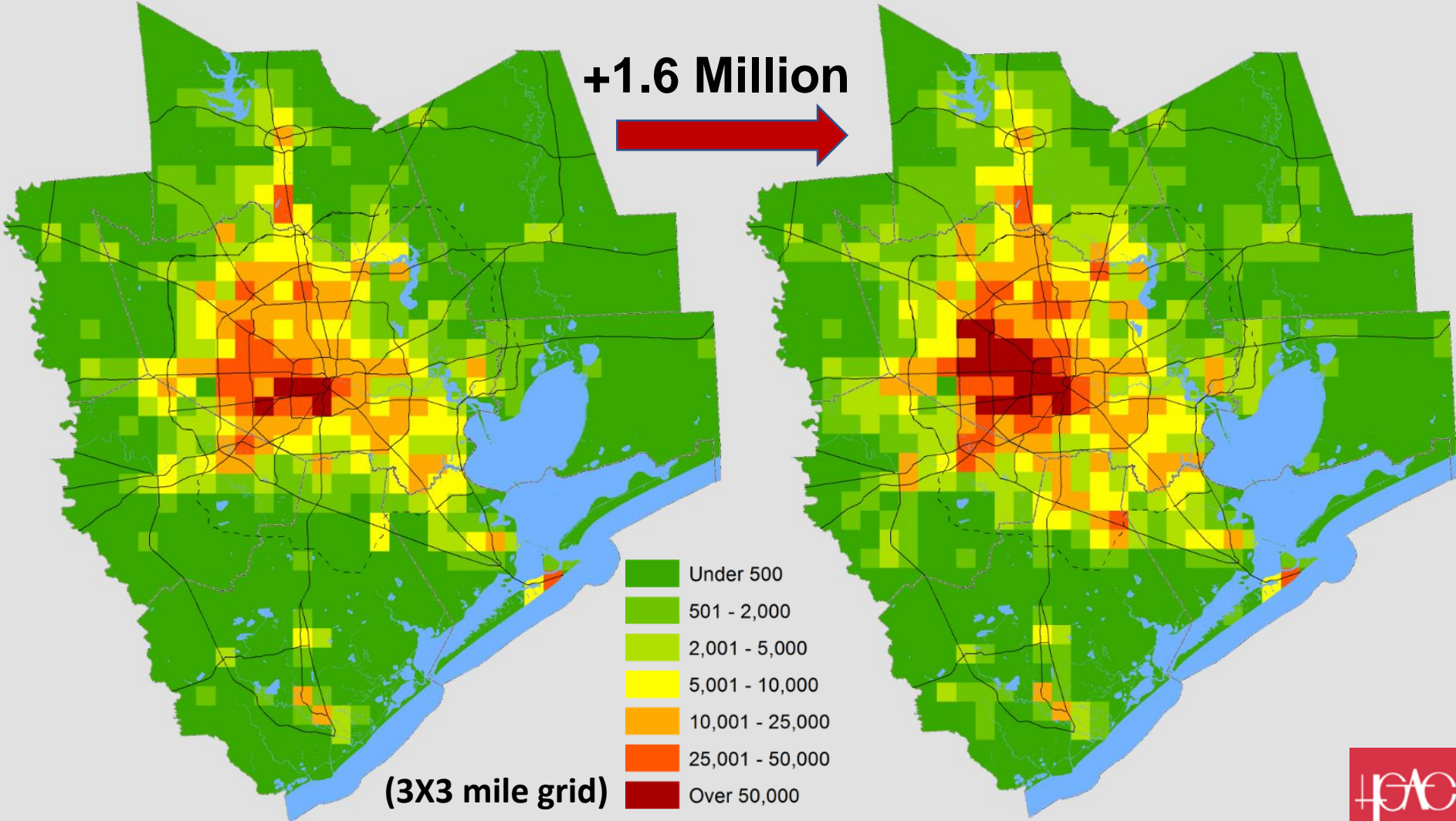
Regional Employment (in millions) 2015-2045
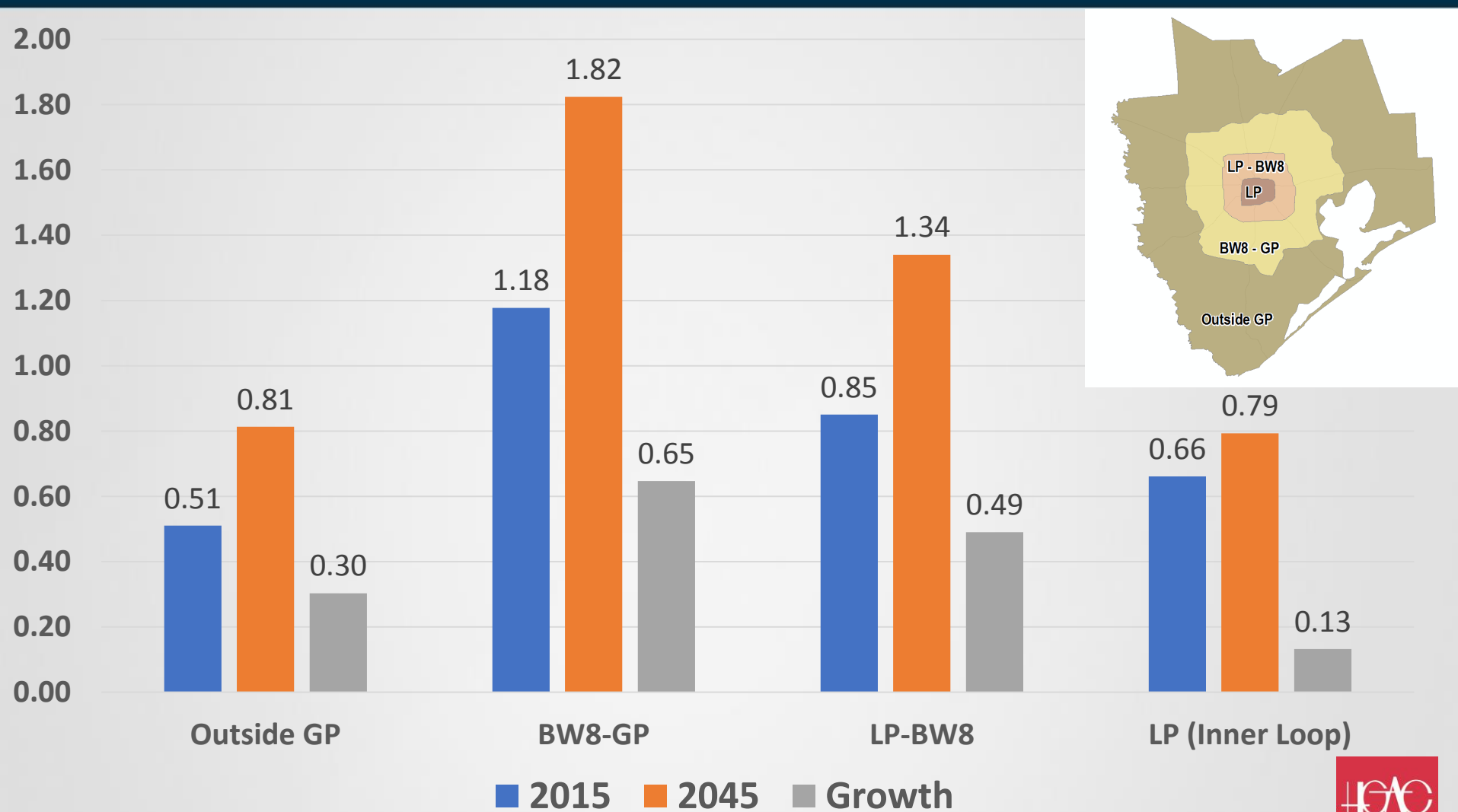
Household Population and Jobs (in millions) 2015-2045

2015

	Outside GP	BW8-GP	BW8
Household Population	1.33	2.96	2.25
Jobs	0.51	1.18	1.51

Growth (2015 to 2045)

	Outside GP	BW8-GP	BW8
Household Population	1.98	1.50	0.75
Jobs	0.30	0.65	0.62
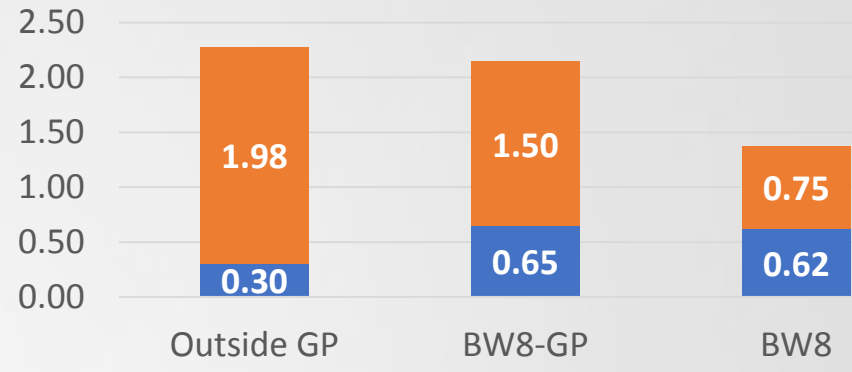
■ Jobs   ■ Household Population

2045

	Outside GP	BW8-GP	BW8
Household Population	3.31	4.45	3.00
Jobs	0.81	1.82	2.13

Outside GP
BW8-GP
BW8

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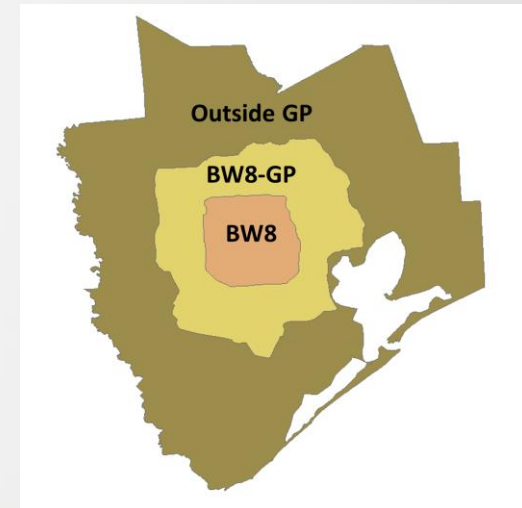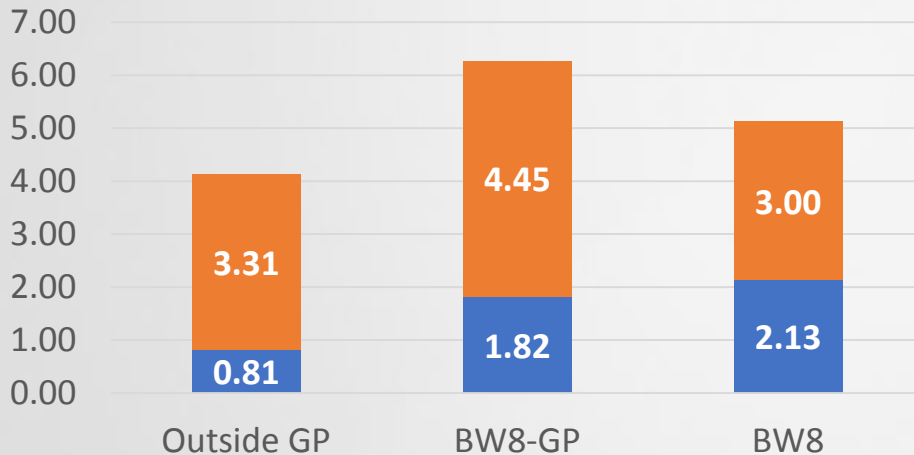
Commute Flows (in 000s) To and From Area Inside BW8
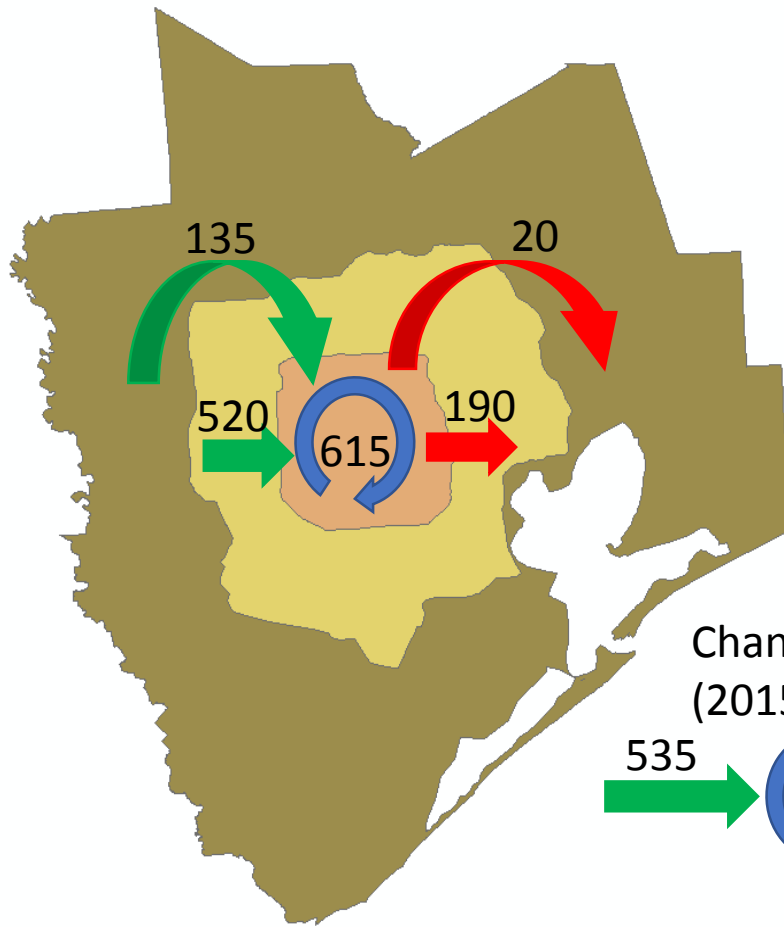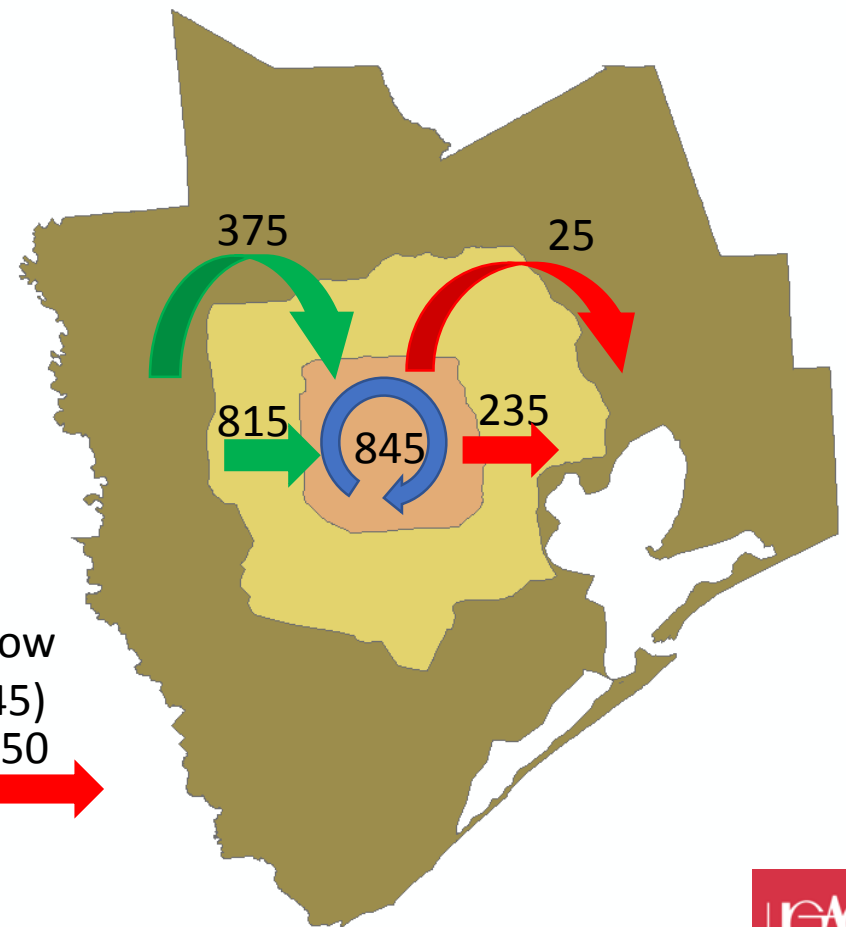
Website and Contact Information

- Regional growth forecast
  www.h-gac.com/forecast

- Regional Land Use Information System(RLUIS)
  http://arcgis02.h-gac.com/RLUIS/

- Interactive web mapping applications
  www.h-gac.com/go/apps

- E-mail: forecast@h-gac.com