LED: A potential tool for tracking local equity indicators for Portland's Sub Geographies

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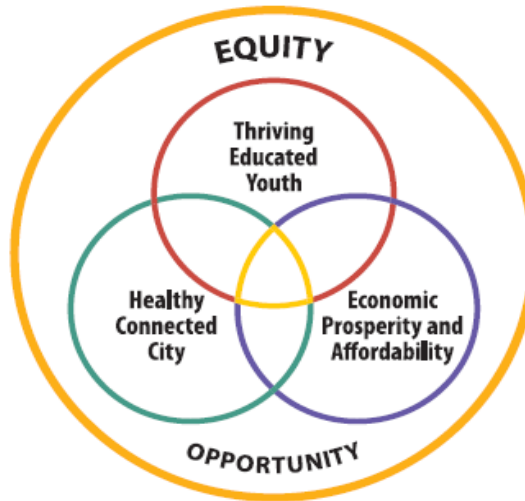
CITY OF PORTLAND, OREGON 1851

THE PORTLAND PLAN

The Portland Plan

Framework for Equity

- Close the gaps
- Deliver equitable public services
- Engage the community
- Build partnerships
- Launch a racial and ethnic justice initiative
- Increased internal accountability

3 Integrated Strategies

12 Measures of Success

1. Equity and inclusion
2. Resident satisfaction
3. Educated youth
4. Prosperous households
5. Growing businesses
6. Creating jobs
7. Transit and active transportation
8. Reduced carbon emissions
9. Complete neighborhoods
10. Healthier people
11. Safer city
12. Healthier watersheds

ACTION AREAS

- PROSPERITY AND BUSINESS SUCCESS
- HUMAN HEALTH, FOOD AND PUBLIC SAFETY
- DESIGN, PLANNING AND PUBLIC SPACES
- EDUCATION AND SKILL DEVELOPMENT
- TRANSPORTATION, TECHNOLOGY AND ACCESS
- NEIGHBORHOODS AND HOUSING
- SUSTAINABILITY AND THE NATURAL ENVIRONMENT
- EQUITY, CIVIC ENGAGEMENT AND QUALITY OF LIFE
- ARTS, CULTURE AND INNOVATION

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One size does not fit all.

Industrial and River

Central City

Inner Neighborhoods

Eastern Neighborhoods

Western Neighborhoods

24 Local Sub-areas
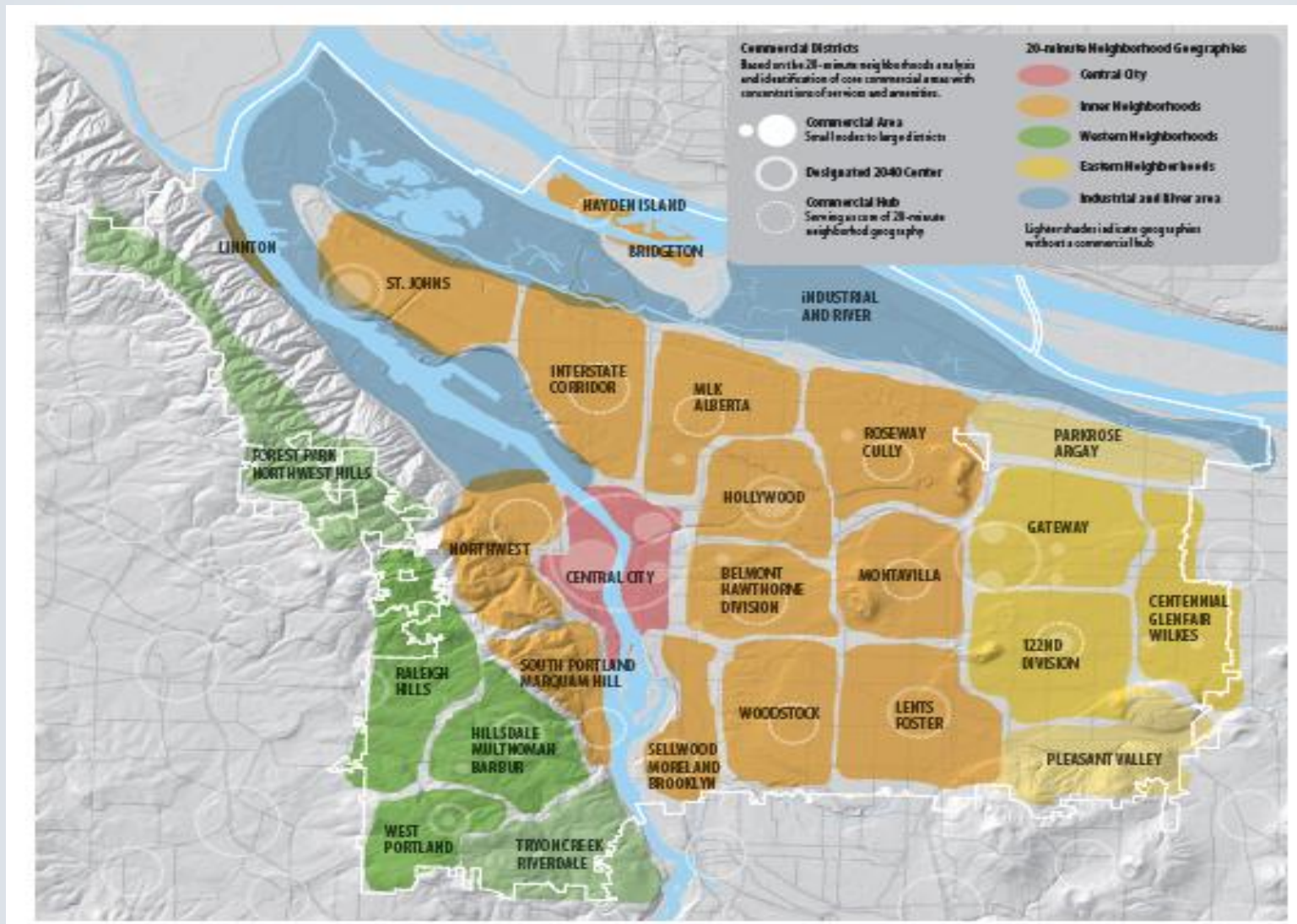
Local Measures

14 Local Measures

1. 3rd grade reading
2. 3rd grade math
3. On-time graduation rate
4. Associate's degree attainment
5. Poverty
6. Unemployment
7. Employment growth
8. No more than 30% cost-burdened households
9. Walkability and access rating
10. Most workers commute less than 30 minutes
11. Transit and active transportation
12. Tree canopy
13. Crime rate
14. Household energy use estimate

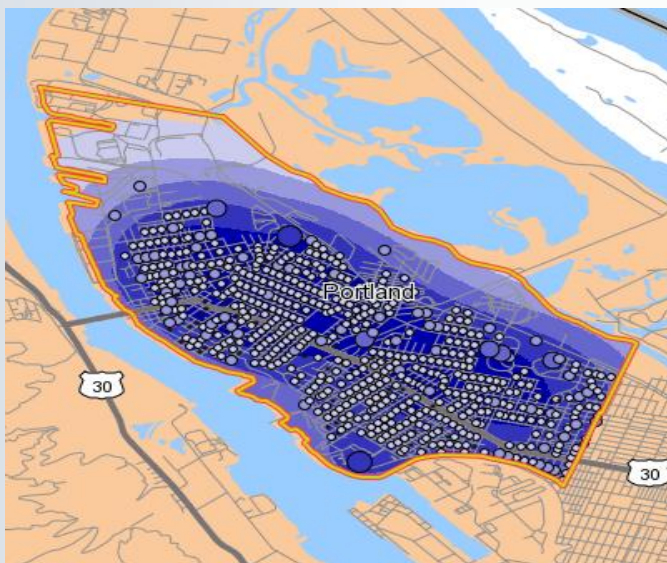**LED : a powerful tool to understand employment dynamics behind these indicators**

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LED Furthering Equity

➢ **Tracking tool for local equity measures;**

➢ **Aid in understanding the work dynamics;**
  - ✓ resident worker profile
  - ✓ commute profile
  - ✓ average wages

➢ **Insights for devising appropriate strategies;**
  - ✓ Transportation options
  - ✓ housing

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Paper's Objective:
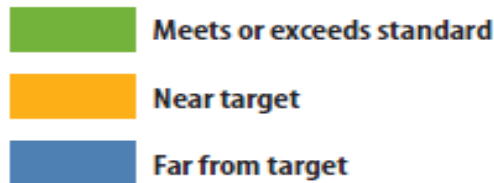# Use of LED for tracking local *measures of progress*

St. Johns (Sub Area #4)

122nd & Division (Sub Area #15)

➢ **without LED performance analysis the following two sub-geographies appear similar in terms of indicators**
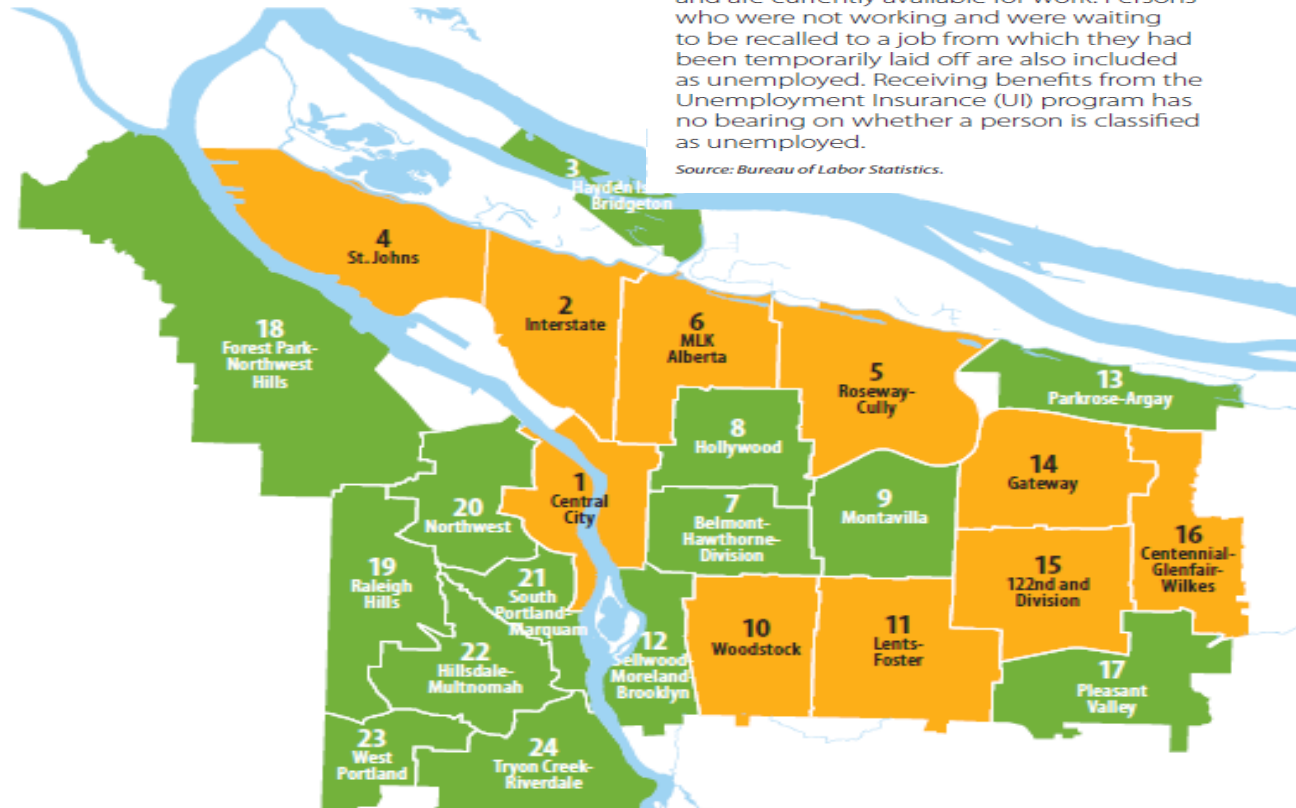
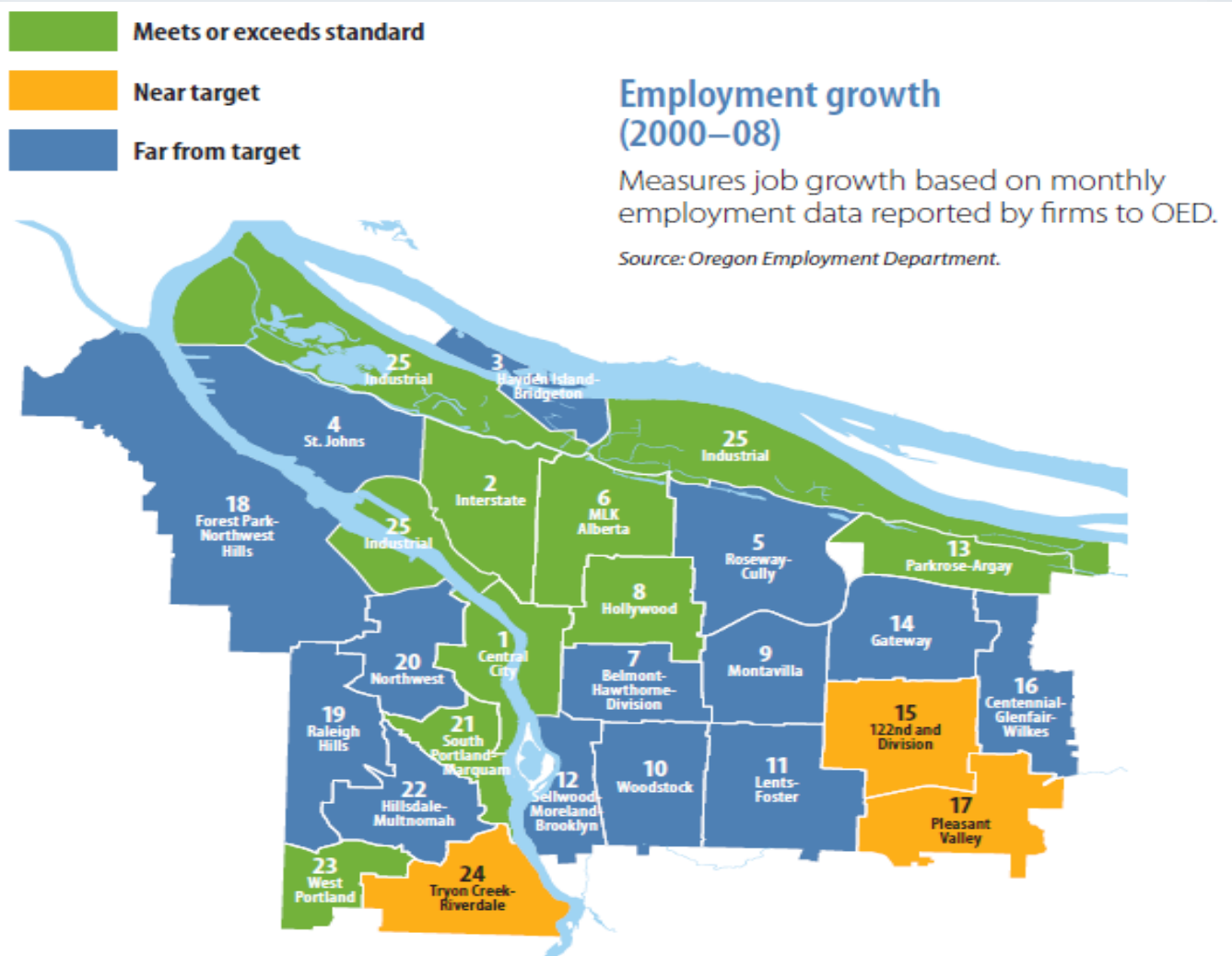Bureau of Planning and Sustainability
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Unemployment

Employment Growth

Associate's Degree Attainment

Meets or exceeds standard

Near target

Far from target
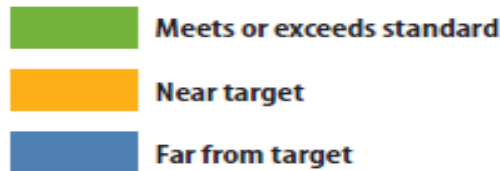
Associate's degree attainment

This measure shows the proportion of adults age 25-years or older who have earned a post high school, 2-year college degree.

Source: U.S. Census Bureau.

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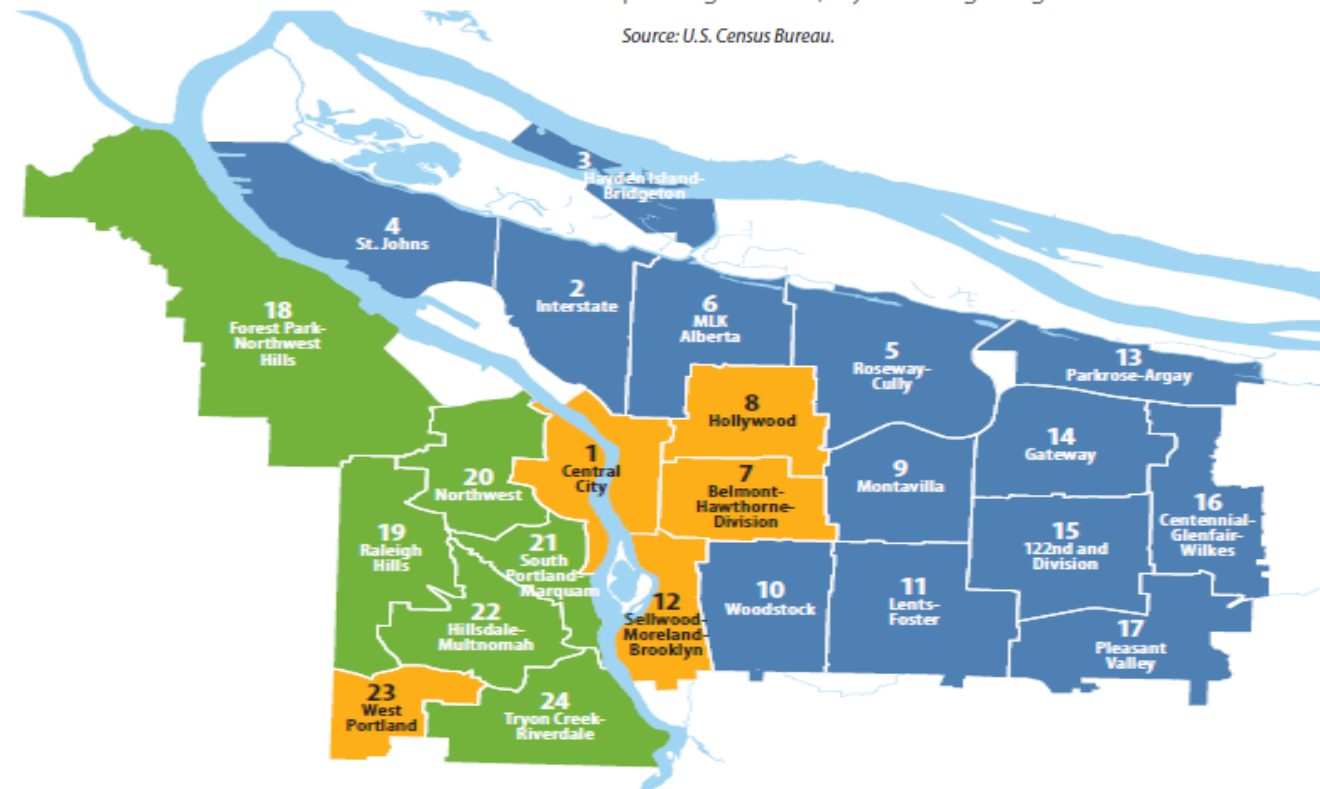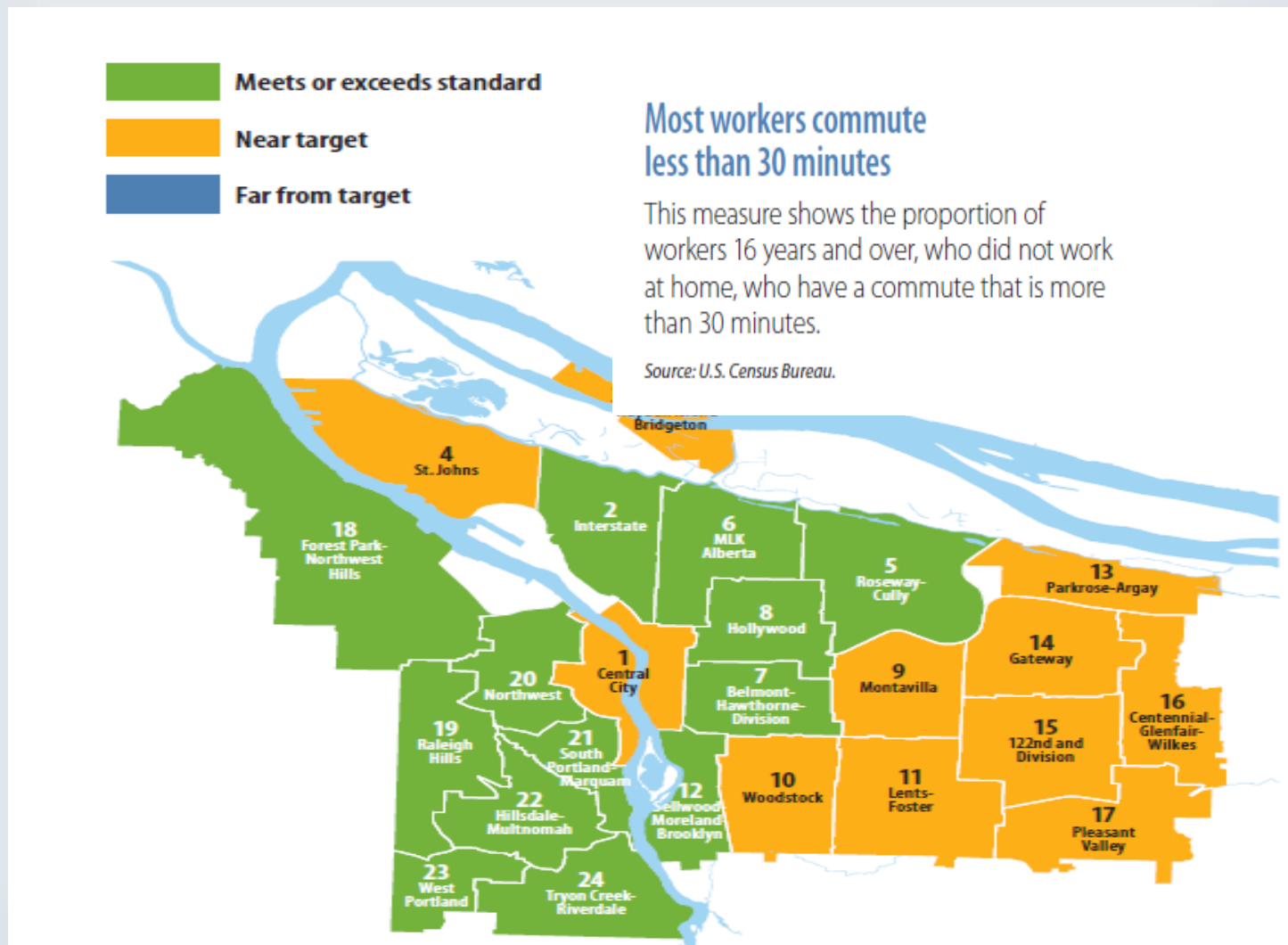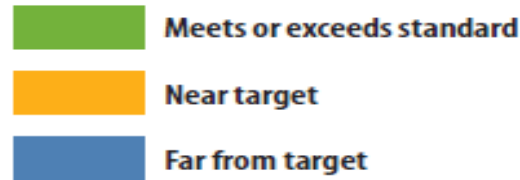# Most Workers Commute < 30 Mts.

Poverty

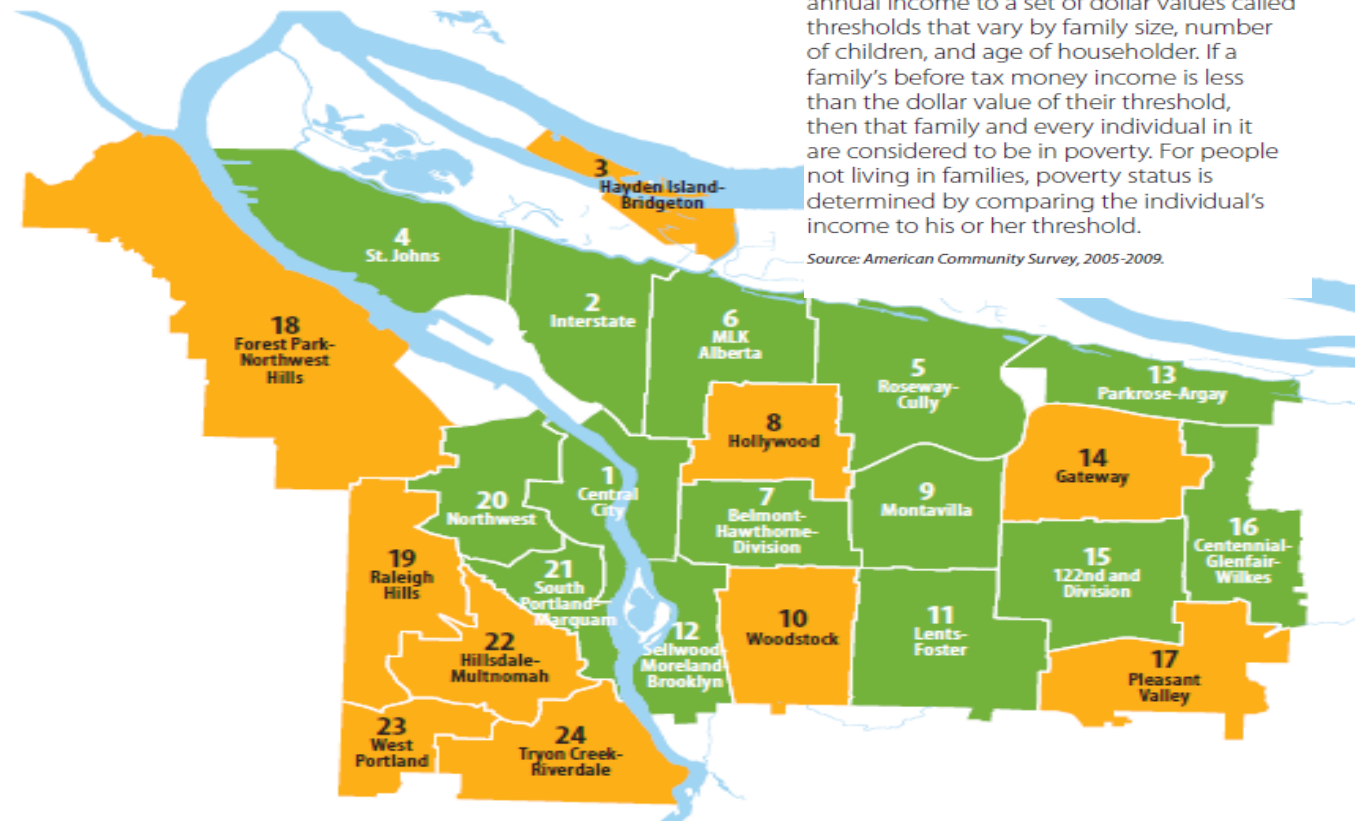**Meets or exceeds standard**

Near target

Far from target

Poverty
(in last 12 months of 2005–09)

Households below poverty in last 12 months measures the number of families whose income falls below the poverty threshold. Poverty status is determined by comparing annual income to a set of dollar values called thresholds that vary by family size, number of children, and age of householder. If a family's before tax money income is less than the dollar value of their threshold, then that family and every individual in it are considered to be in poverty. For people not living in families, poverty status is determined by comparing the individual's income to his or her threshold.

Source: American Community Survey, 2005-2009.
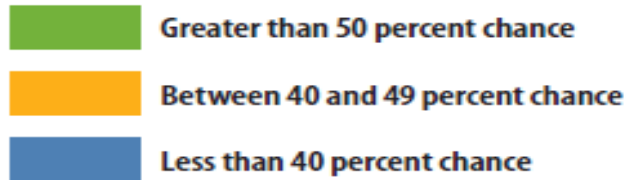
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Diversity
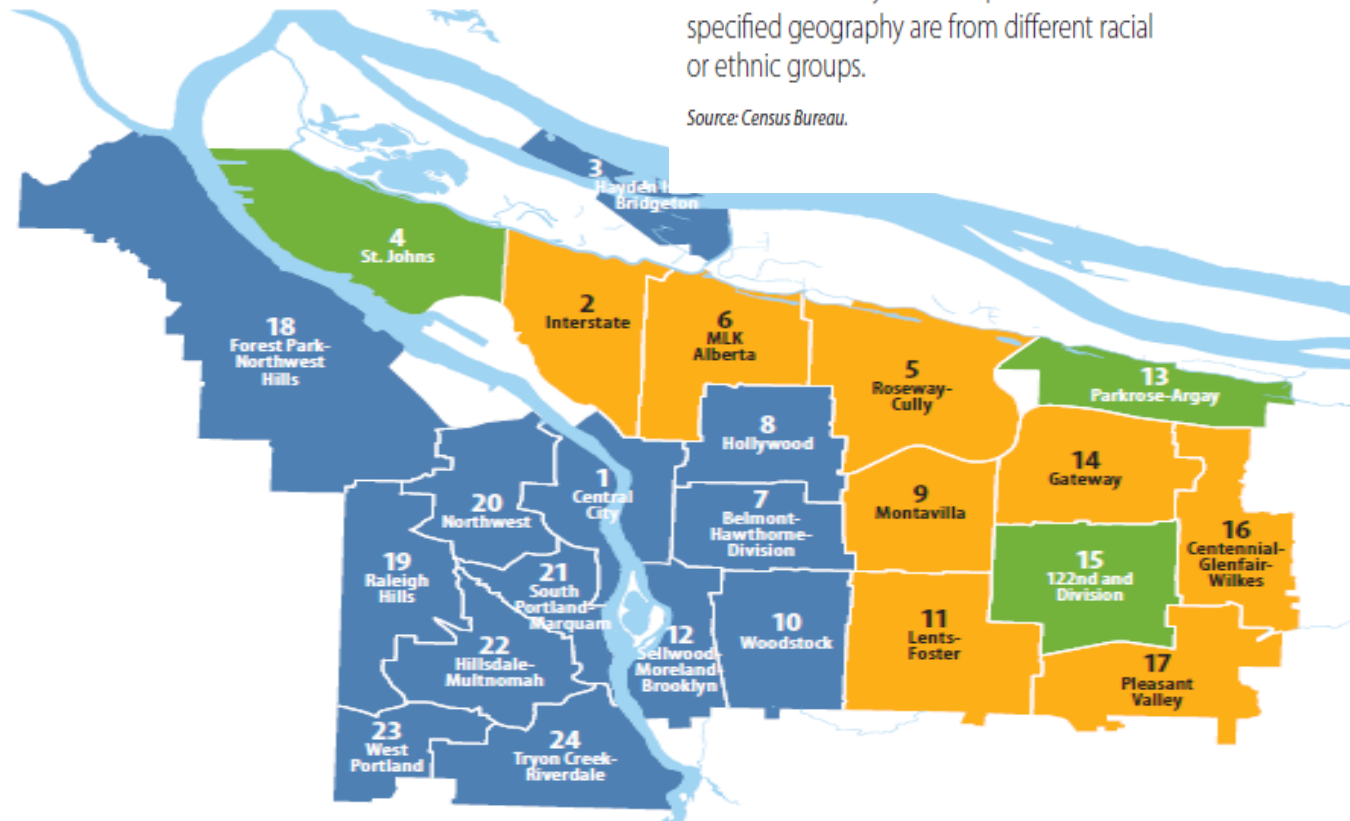
A view of the of St.Johns Analysis Area

> Historically independent city that was annexed by Portland in 1915;

> Pre-street car era development that is more auto accommodating, especially after the construction of the St. Johns Bridge in 1931;

> Area was a thriving manufacturing center;

> Growing diversity through growth of Hispanic population since 1990s

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View of SE 122nd Avenue south of Division

➢Historically part of unincorporated Multnomah County annexed by Portland in the time period 1980- 1990s;

➢Highly auto dependent suburban neighborhoods with housing stock largely from 1950s and 1960s;

➢Dominated by jobs in health services

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Employment growth analysis without use of LED
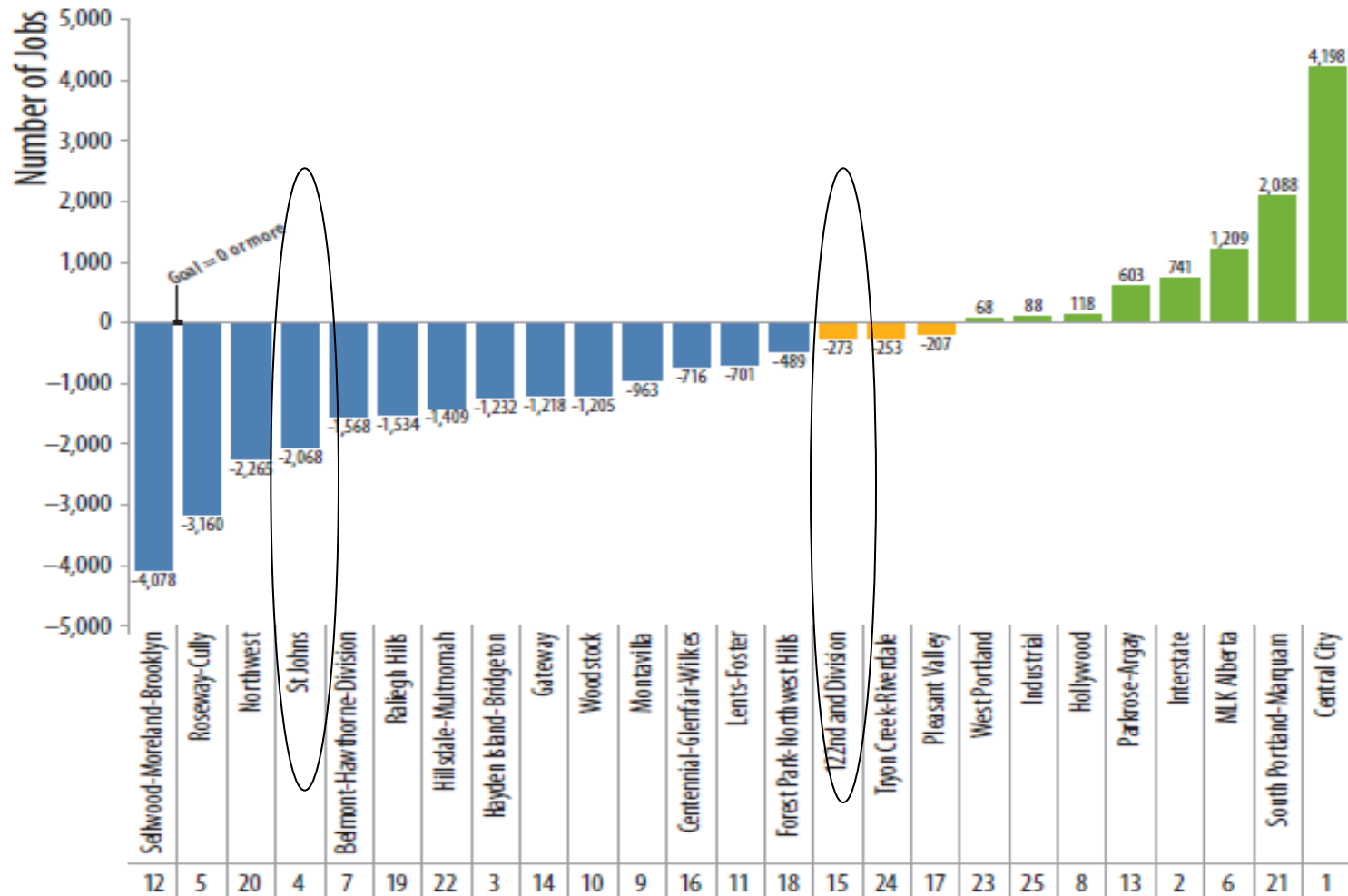
Comprehensive employment picture using LED
St. Johns analysis Area

Inflow/Outflow Job Counts (All Jobs)

	2009	
	Count	**Share**
Employed in the Selection Area	6,038	100.0%
Employed in the Selection Area but Living Outside	5,386	89.2%
Employed and Living in the Selection Area	652	10.8%
Living in the Selection Area	13,291	100.0%
Living in the Selection Area but Employed Outside	12,639	95.1%
Living and Employed in the Selection Area	652	4.9%

Source: OnTheMap

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Distance-Direction LED Report
St. Johns Analysis Area

Source: OnTheMap

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Destination LED Report
St. Johns Analysis Area

Source: OnTheMap

Comprehensive employment picture using LED
122nd & Division analysis area
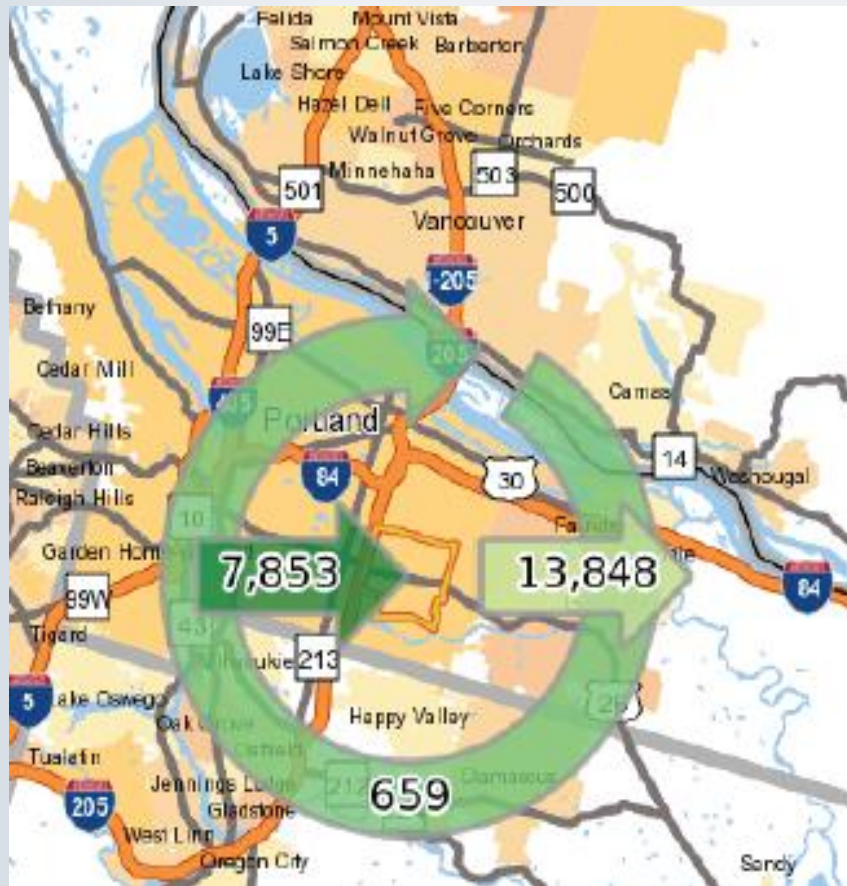
Inflow/Outflow Job Counts (All Jobs)

	2009	
	Count	Share
Employed in the Selection Area	8,512	100.0%
Employed in the Selection Area but Living Outside	7,853	92.3%
Employed and Living in the Selection Area	659	7.7%
Living in the Selection Area	14,507	100.0%
Living in the Selection Area but Employed Outside	13,848	95.5%
Living and Employed in the Selection Area	659	4.5%

Source: OnTheMap

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Distance-Direction LED Report
122nd & Division Analysis Area

Job Counts by Distance/Direction in 2009
All Workers
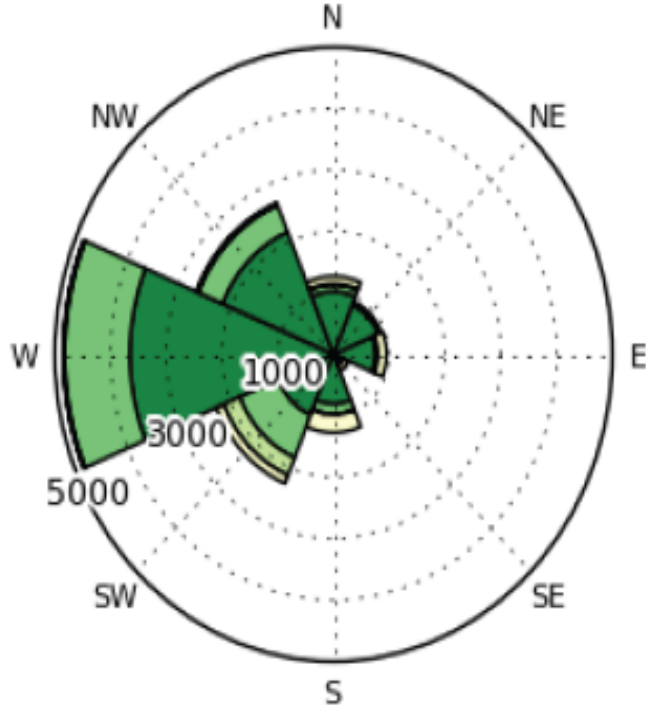
Jobs by Distance – Home Census Block to Work Census Block

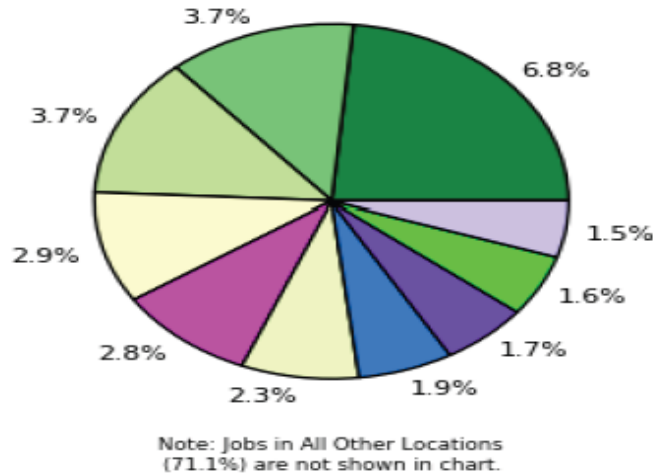|		2009	
		Count	**Share**
■	**Total All Jobs**	14,507	100.0%
■	Less than 10 miles	10,465	72.1%
■	10 to 24 miles	2,764	19.1%
■	25 to 50 miles	411	2.8%
■	Greater than 50 miles	867	6.0%

Source: OnTheMap

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Destination LED Report
122nd & Division Analysis Area

Job Counts by Work Census Tracts in 2009 All Workers

Note: Jobs in All Other Locations (75.7%) are not shown in chart.
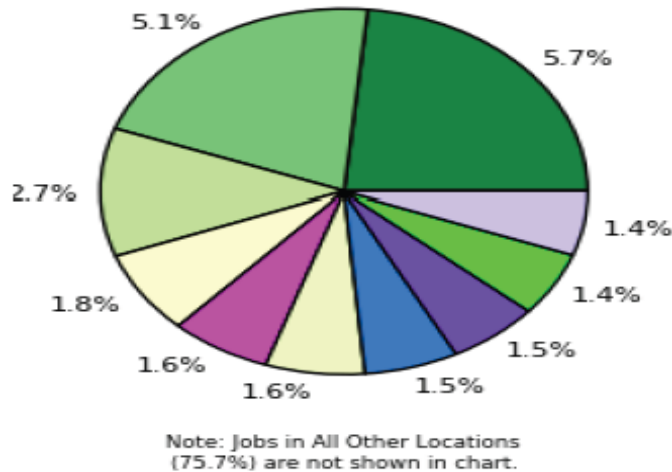
Jobs Counts by Census Tracts Where Workers are Employed – All Jobs

		2009	
		Count	Share
	All Census Tracts	14,507	100.0%
	73 (Multnomah, OR)	825	5.7%
	106 (Multnomah, OR)	739	5.1%
	102 (Multnomah, OR)	396	2.7%
	221.08 (Clackamas, OR)	261	1.8%
	23.03 (Multnomah, OR)	235	1.6%
	72.02 (Multnomah, OR)	232	1.6%
	9800 (Multnomah, OR)	219	1.5%
	221.07 (Clackamas, OR)	214	1.5%
	43 (Multnomah, OR)	201	1.4%
	215 (Clackamas, OR)	197	1.4%
	All Other Locations	10,988	75.7%

Source: OnTheMap

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Employment situation of resident workers

Total All Jobs

	2009		2008		2002	
	Count	Share	Count	Share	Count	Share
Total All Jobs	13,291	100.0%	14,785	100.0%	11,326	100.0%

St. Johns (Sub Area #4)

Total All Jobs

	2009		2008		2002	
	Count	Share	Count	Share	Count	Share
Total All Jobs	14,507	100.0%	16,111	100.0%	11,629	100.0%

122nd & Division (Sub Area #15)

Area residents equally worse off unlike area workers

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Educational attainment picture without use of LED
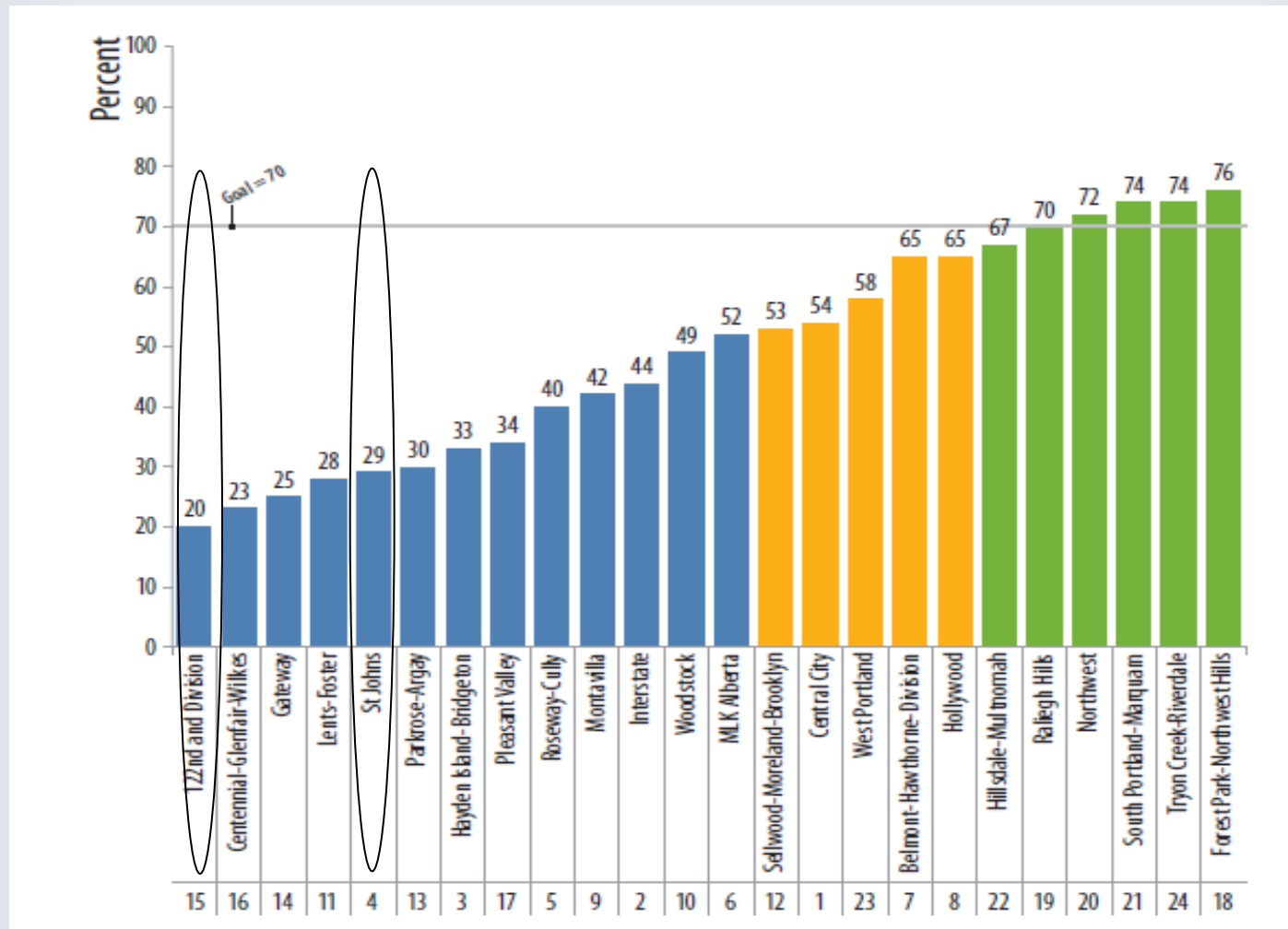
Comprehensive educational picture using LED St. Johns & 122nd Division analysis Area

St. Johns (Sub Area #4)

Jobs by Worker Educational Attainment
2009

	Count	Share
Less than high school	1,020	7.7%
High school or equivalent, no college	2,392	18.0%
Some college or Associate degree	3,215	24.2%
Bachelor's degree or advanced degree	3,533	26.6%

122nd & Division (Sub Area #15)

Jobs by Worker Educational Attainment
2009

	Count	Share
Less than high school	1,238	8.5%
High school or equivalent, no college	2,695	18.6%
Some college or Associate degree	3,479	24.0%
Bachelor's degree or advanced degree	3,472	23.9%

Source: OnTheMap

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Concluding Thoughts on LED's Potential

- ✓ Ability to perform analysis on custom geographies;

- ✓ Relieves the cost burden imposed by market tools like ESRI Business Analyst;

- ✓ Provides insights on understanding equity for local jurisdictions like Portland;

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Concluding Thoughts on LED's Potential

- ✓ **Tools like destination analysis can help shape appropriate traffic intervention;**

- ✓ **Inflow-outflow analysis helps to understand the need for housing units;**

- ✓ **Demographic details sheds light on disparities by Age/Wage/Race- can help decide target population**

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