



TIP Strategies
EDD Board
Workshop
February 1, 2012

Agenda

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- Update
- Summary & discussion of revised Talent report
- Introduction of Economy report
- Discussion of Strategy report
- EDD Input
- Next steps

Recent activities

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- Updated EDD Board on January 4
- Submitted revised Talent report
- Drafting Economy report

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Talent report discussion

Objectives to understand

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- Which occupations are driving the local economy?
- How do those occupations relate to the region's industries?
- Is the region's training and education network aligned to support them?

Revised approach

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- Used scoring system to identify high priority occupations
- Occupations aggregated into 9 major SOC groups
- Highlighted occupations that support multiple industries
- Eliminated directly linking talent clusters to industry clusters

Major occupational groups

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- Management
- Business and finance
- Computers and mathematics
- Engineering and architecture
- Physical and life sciences
- Health practitioners
- Installation and repair
- Production
- Transportation-related

Group chapter components

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- Employment distribution
- Employment trends
- Earnings & demographics
- Education & training
- Peer regions

Main findings

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- Most high-growth occupations require some level of formal skills, training, or education.
- Critical occupations face potential future shortages due to:
 - ▣ Aging workforce
 - ▣ The ability of local educational institutions to keep pace with demand
 - ▣ New job growth
- Median wages for most occupations exceed national levels.

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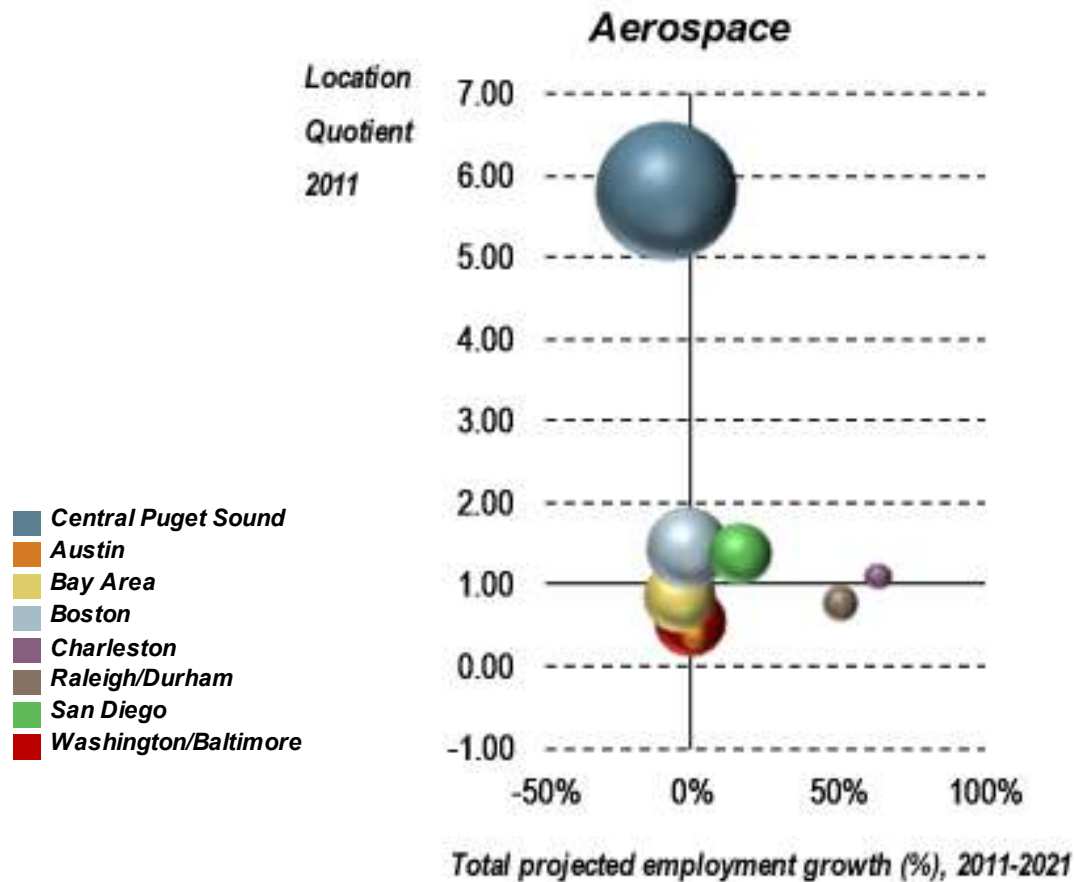
Economy Report

Report structure

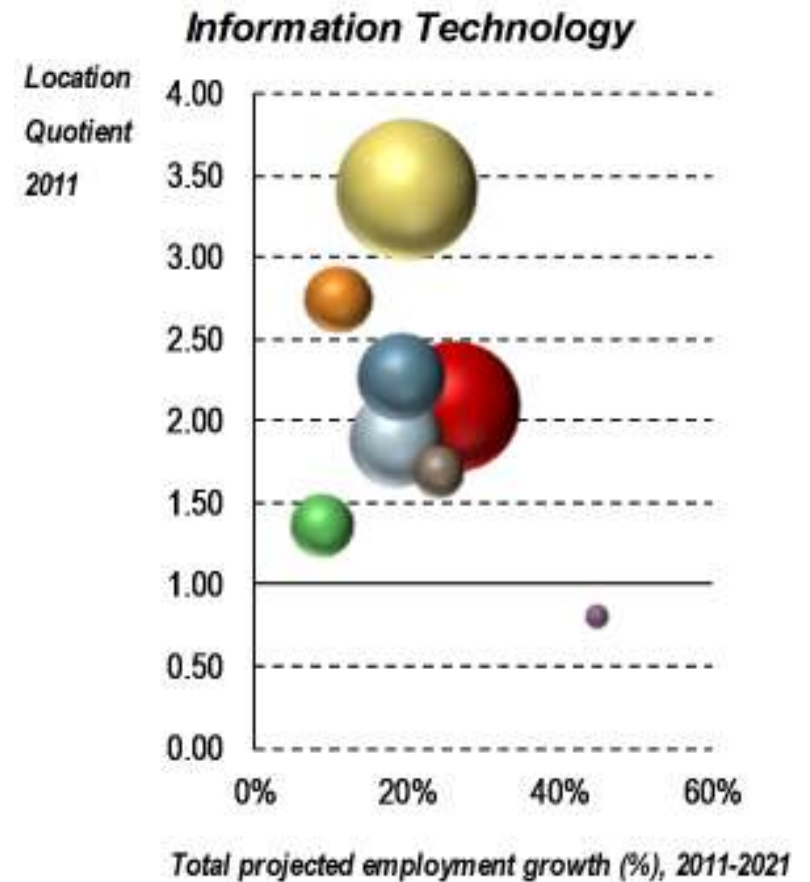
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- Organized around the working group topics:
 - ▣ Industry clusters (including Aerospace)
 - ▣ Higher education & workforce
 - ▣ Innovation & entrepreneurship
 - ▣ Infrastructure
 - ▣ Business climate

Selected Industry Cluster Dynamics

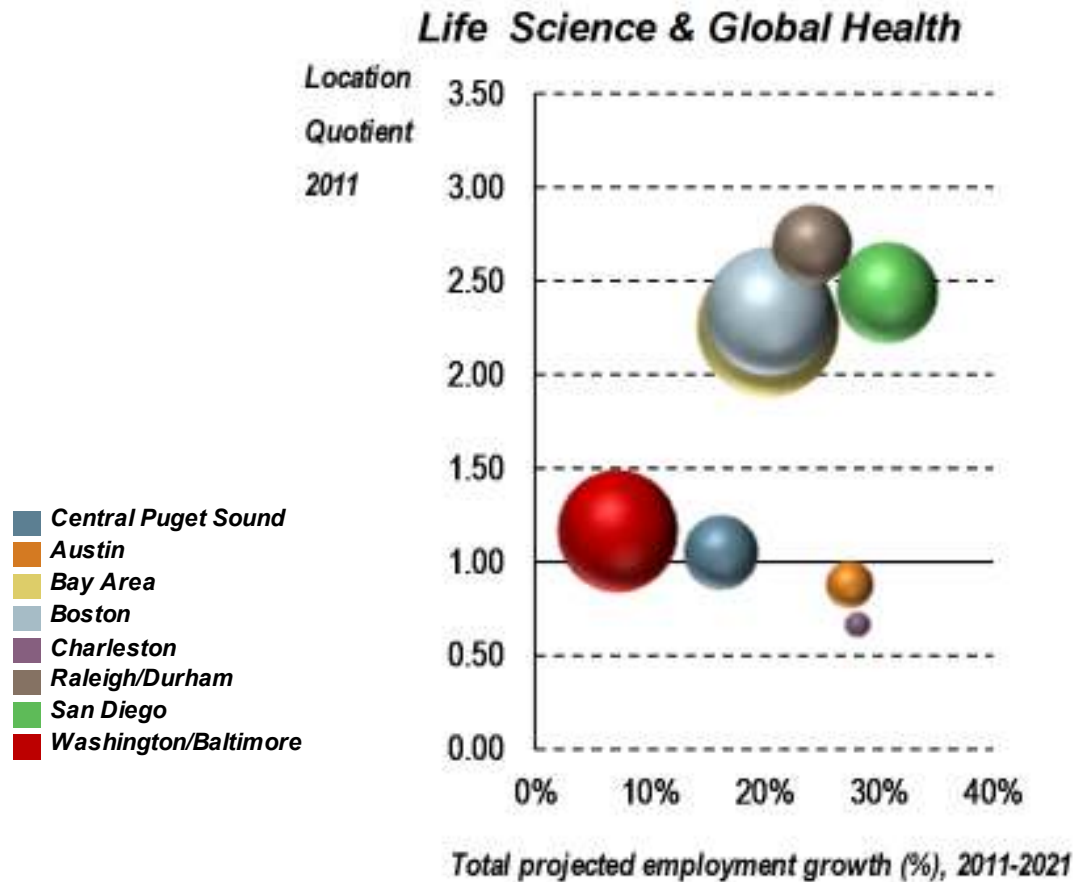


Note: Bubble size reflects relative employment level in 2011

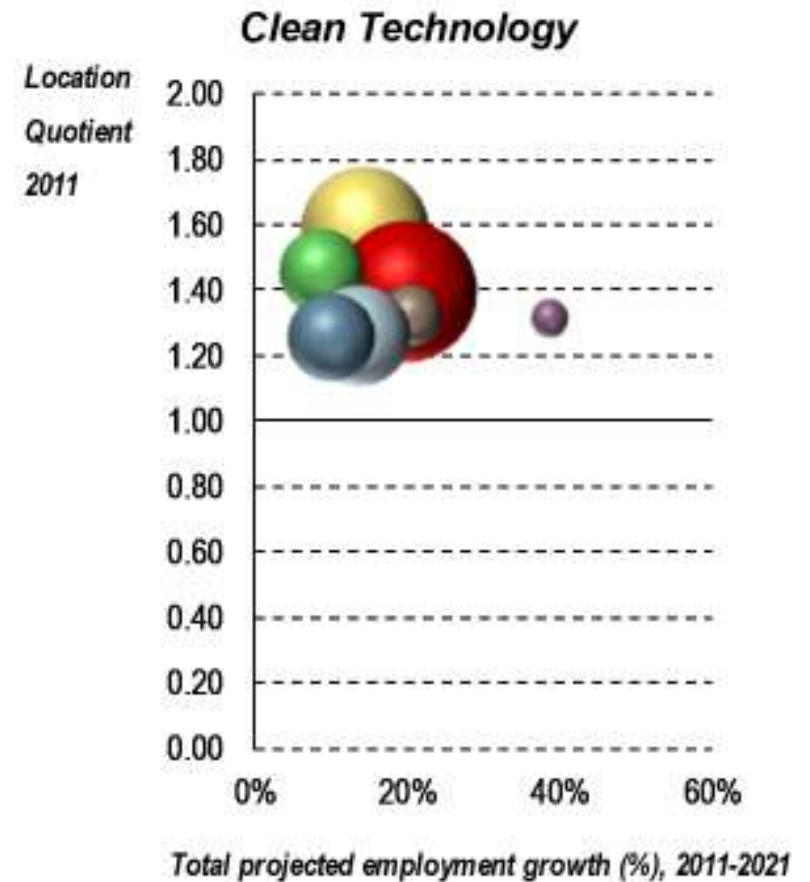


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Selected Industry Cluster Dynamics

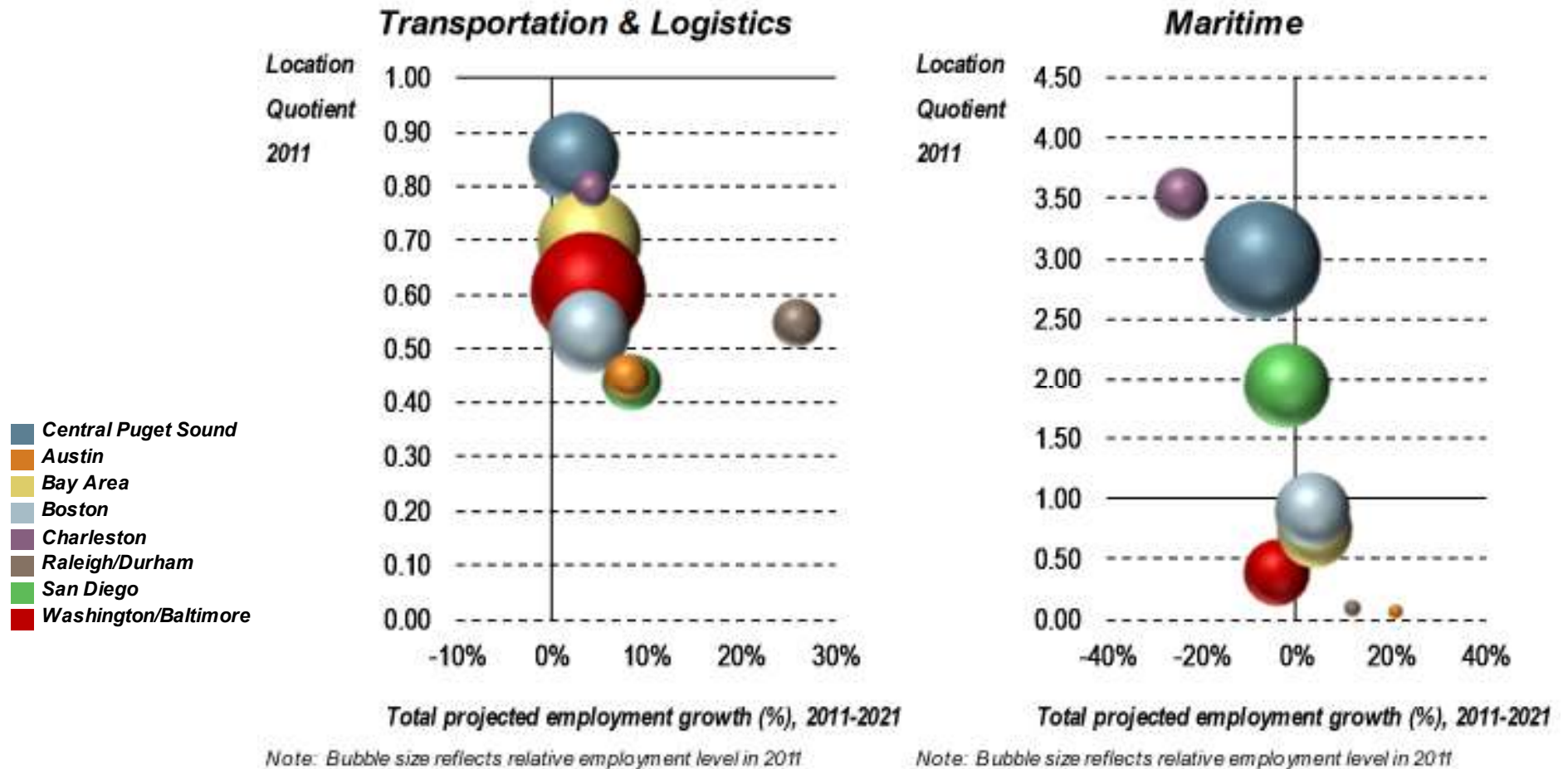


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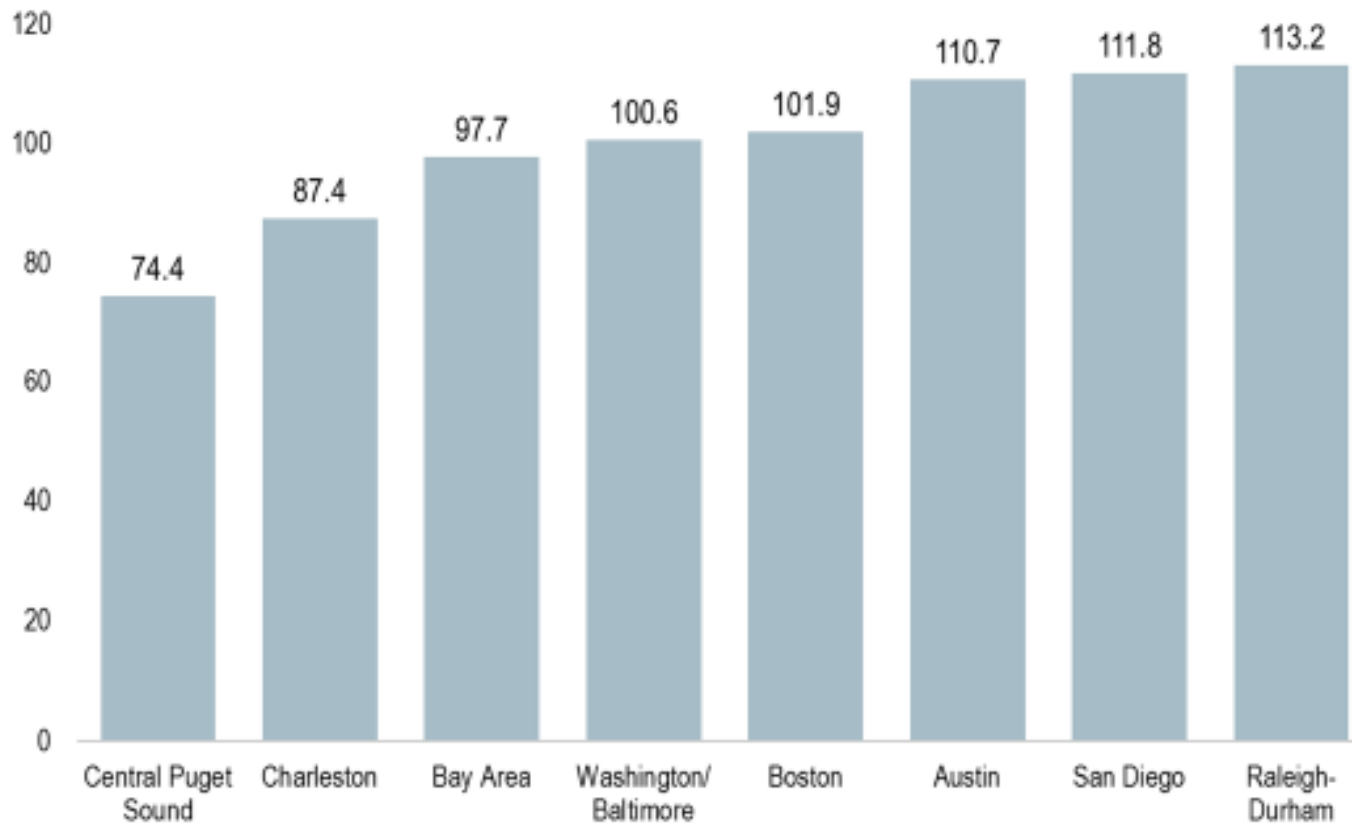
Note: Bubble size reflects relative employment level in 2011

Selected Industry Cluster Dynamics



College enrollment levels are lowest among peers

College enrollment per 1000 pop for the population age 15+ years

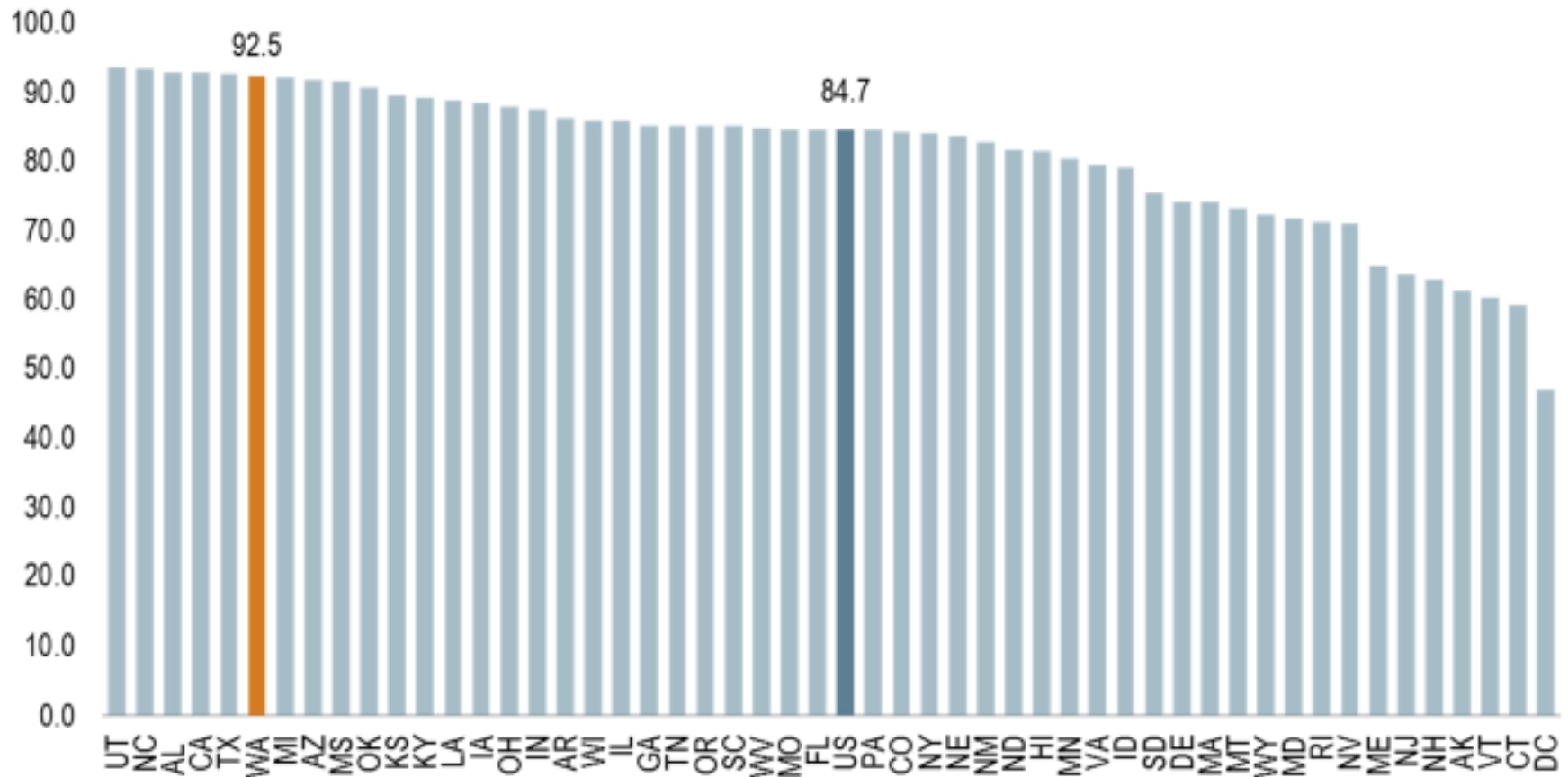


Source: US Census Bureau, American Community Survey, 1 year estimates, TIP Strategies.

Calculations were performed on the sum of Census Bureau estimates of enrollment for both public and private college and graduate schools. College enrollment includes college undergraduate years (freshman to senior); and “graduate or professional school (for example: medical, dental, or law school).

In-state retention of college freshman

FALL 1992

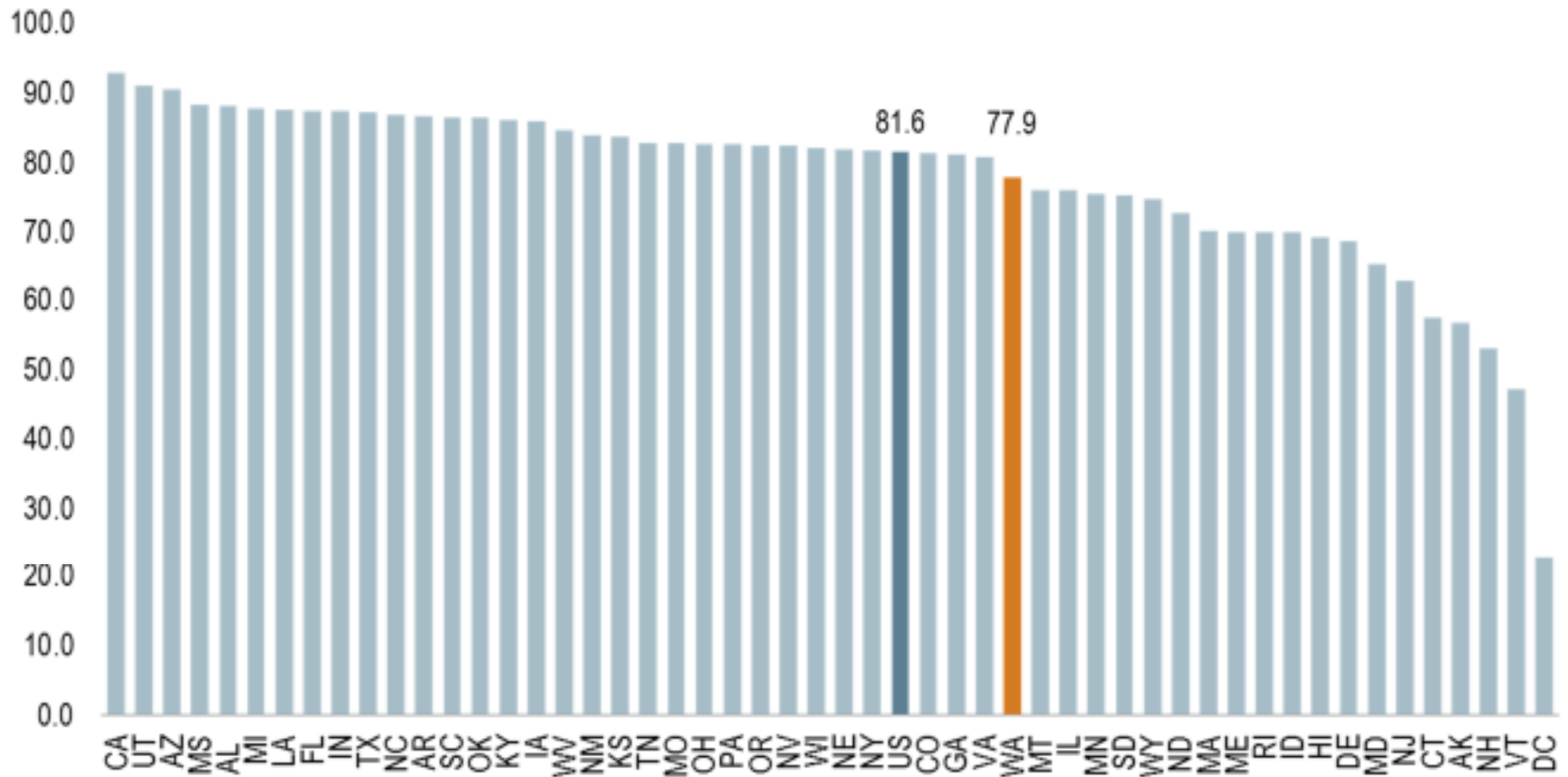


Source: National Center for Education Statistics, *America's Youth: Transitions to Adulthood* NCES 2012-026, December 2011 (Table 17a)

Note: In-state retention rate = total number of in-state residents enrolled in institutions within the state divided by the total number of state residents enrolled in institutions in any state

In-state retention of college freshman

FALL 2008

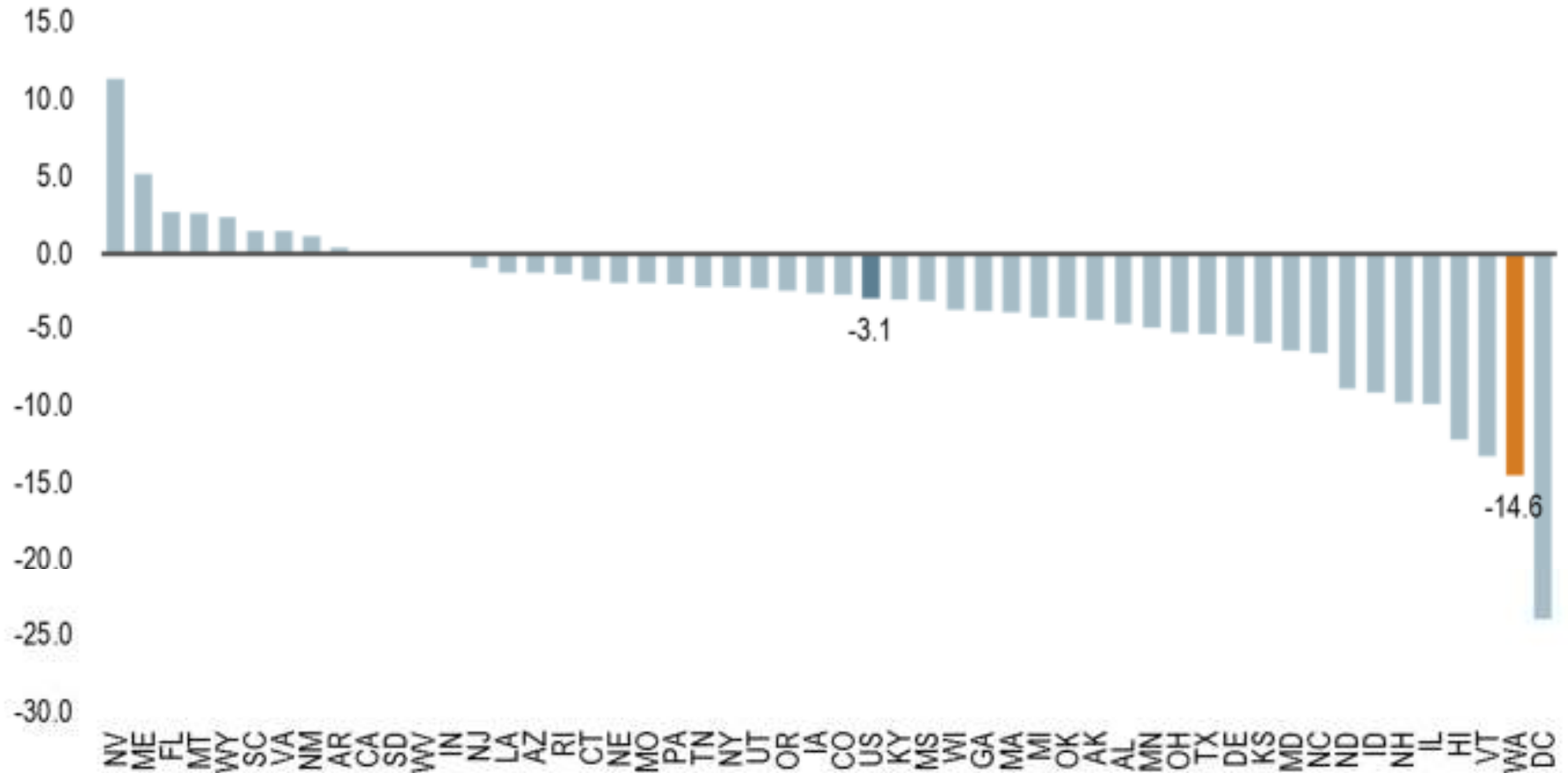


Source: National Center for Education Statistics, *America's Youth: Transitions to Adulthood* NCES 2012-026, December 2011 (Table 17a)

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In-state retention of college freshman

PCT. CHG 1992-2008

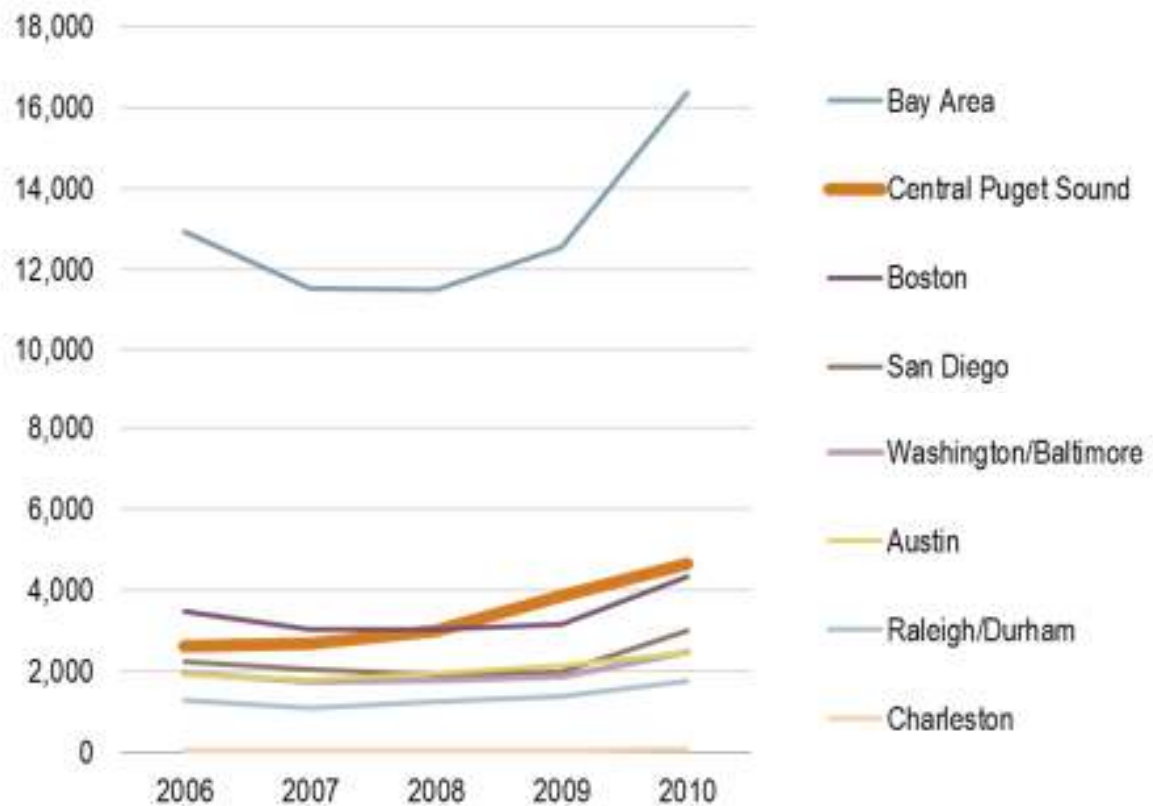


Source: National Center for Education Statistics, *America's Youth: Transitions to Adulthood* NCES 2012-026, December 2011 (Table 17a)
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Central Puget Sound compares favorably on patents (raw numbers)

With the exception of the Bay Area, the four-county region saw the highest number of patent filings in the latter half of the decade among peer regions.

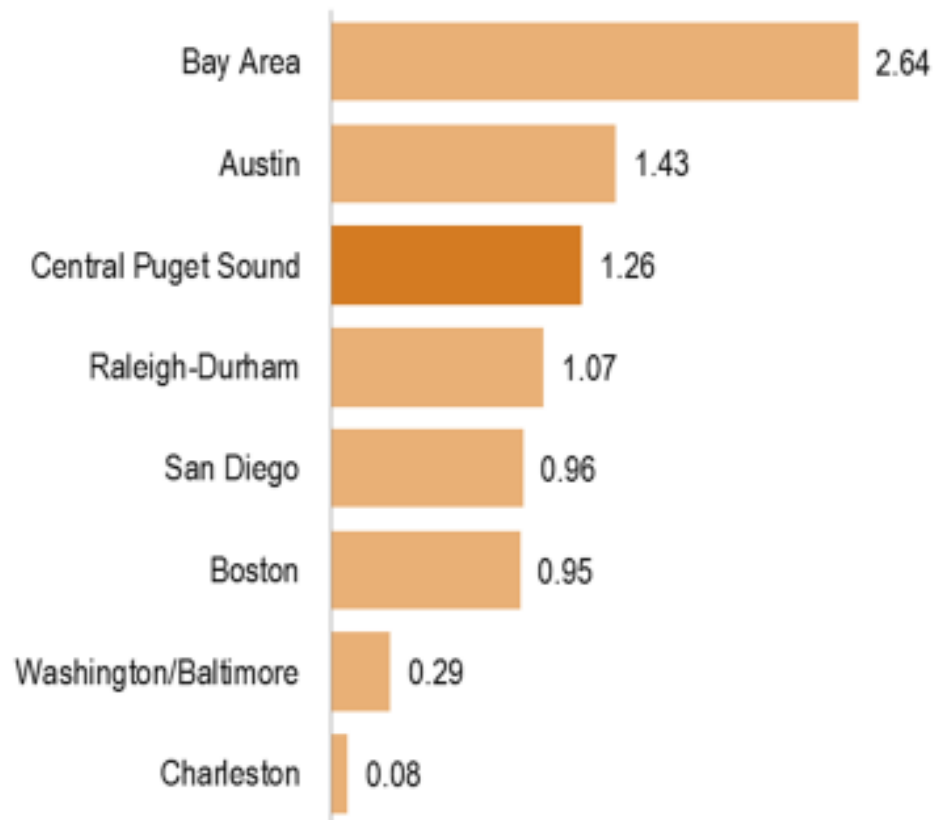
New utility patents filed by peer regions



Source: US Patent & Trademark Office (calendar year data)

Central Puget Sound compares favorably on patents (per 1000 pop)

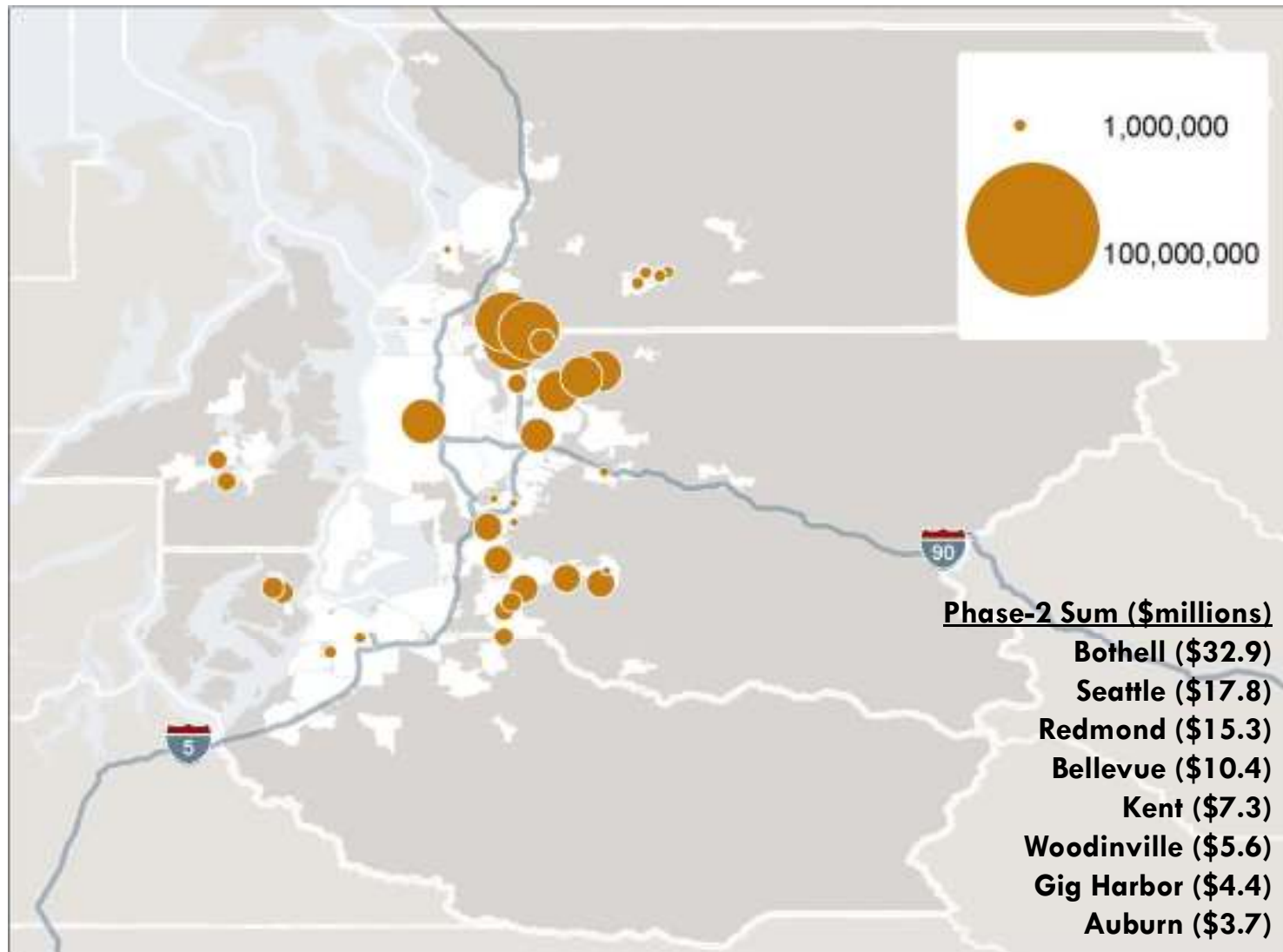
New utility patents per 1,000 population, 2010



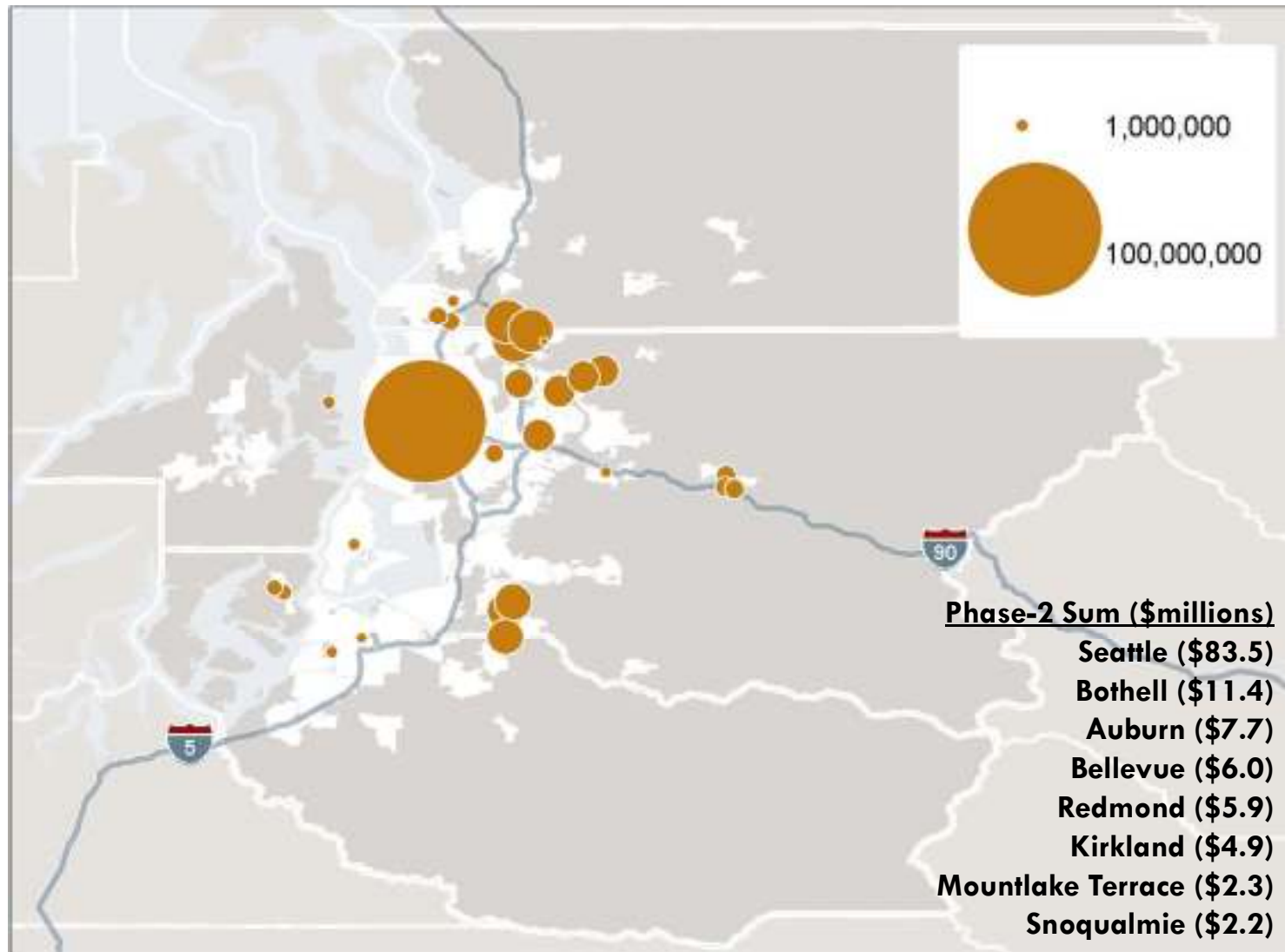
The region also measures up on a population-adjusted basis.

Source: US Patent & Trademark Office (calendar year data); American Community Survey, 1-year estimates of population; TIP Strategies

Distribution of DOD SBIR/STTR Awards, 2001-2010

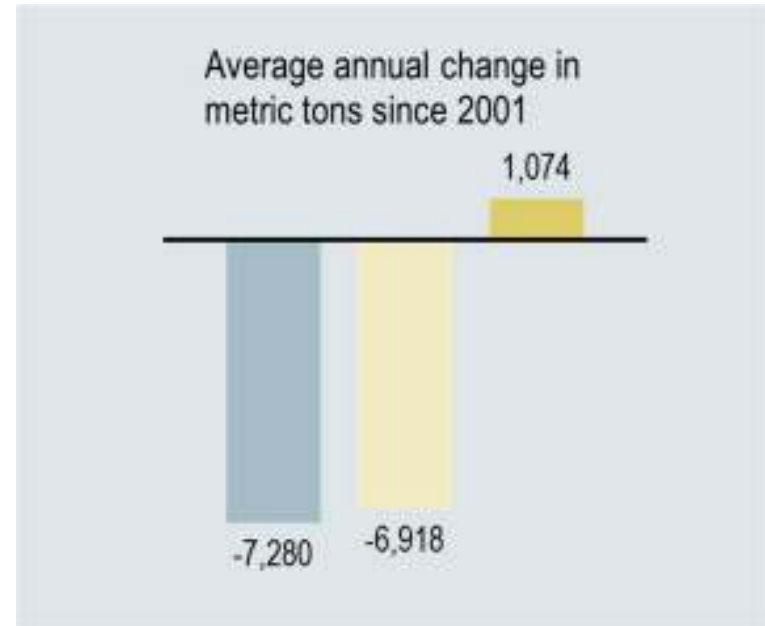
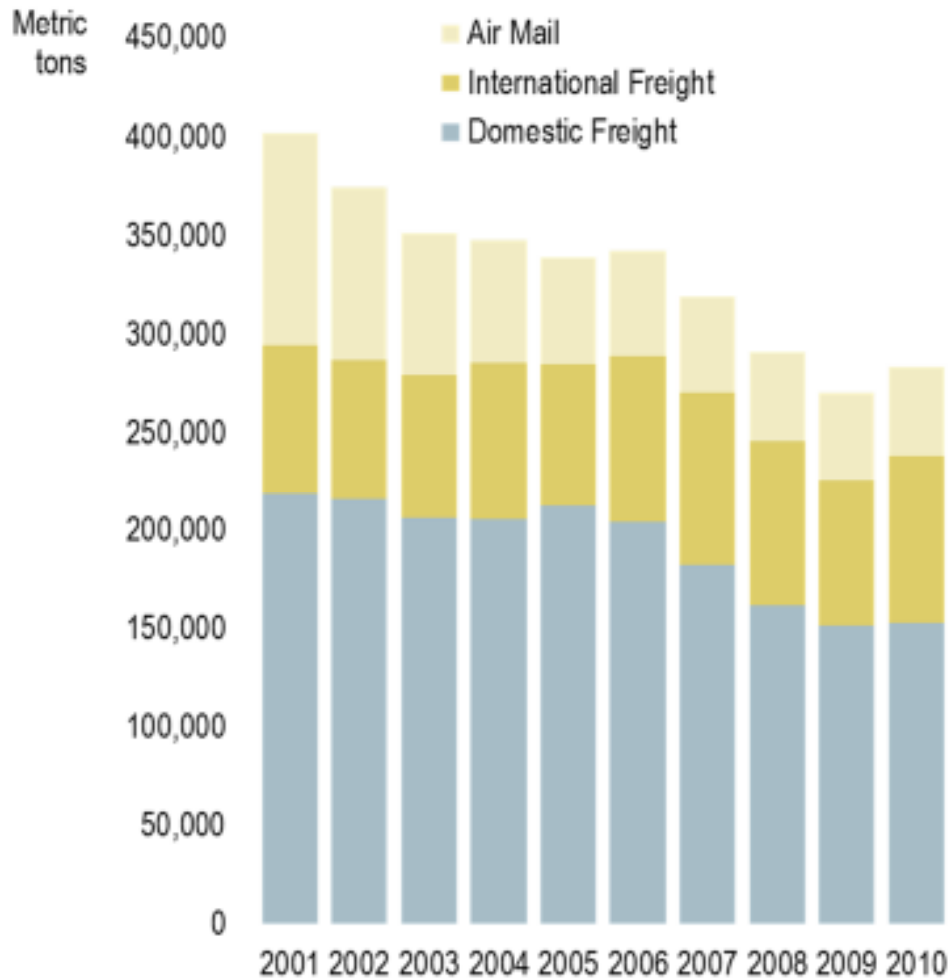


Distribution of HHS SBIR/STTR Awards, 2001-2010



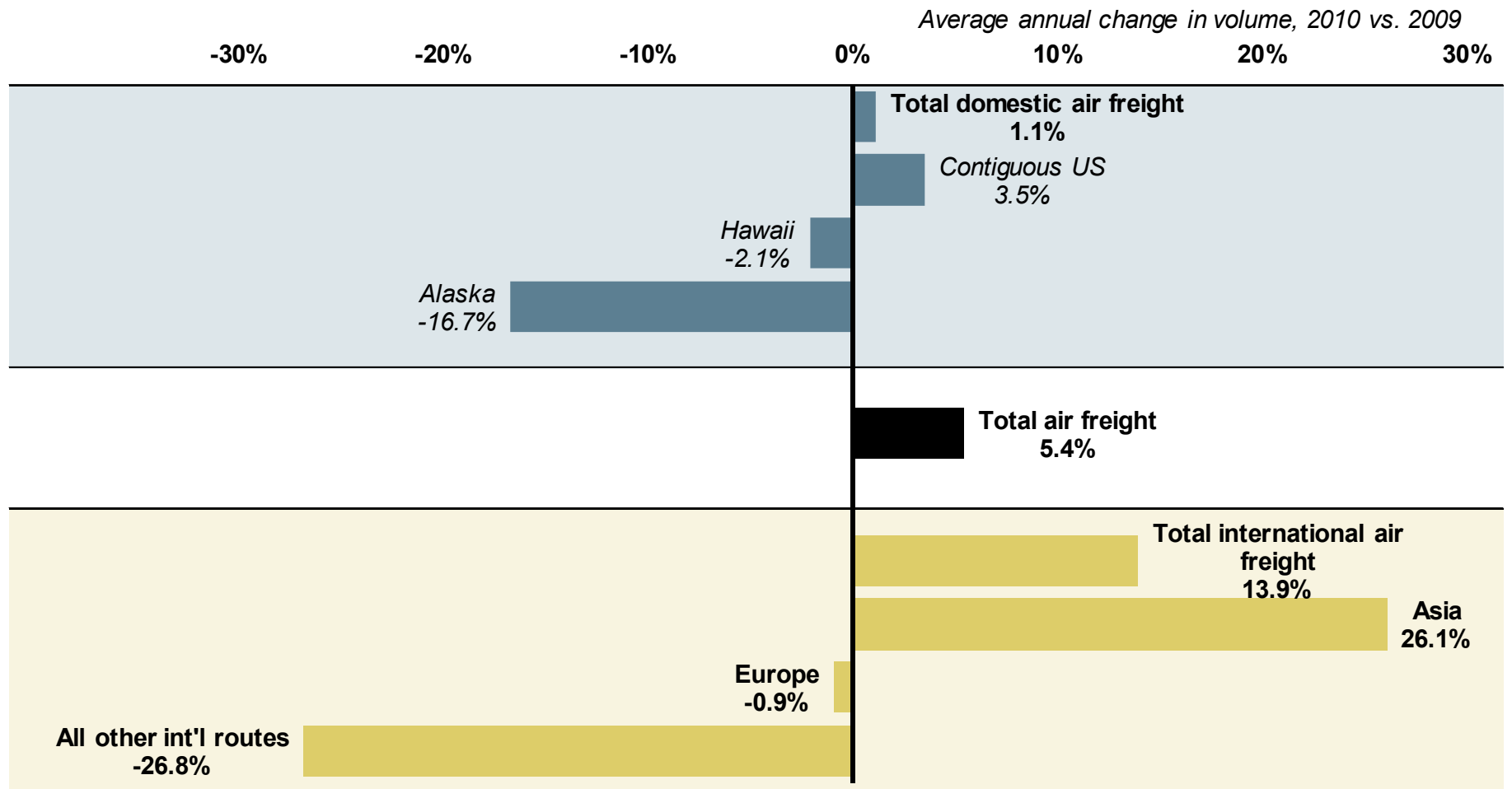
Air Cargo Volumes at SeaTac

in metric tons



Source: 2010 Seattle-Tacoma International Airport Activity Report, p. 22.

Change (%) in Air Cargo Volumes by Trade Route at SeaTac, 2010 vs. 2009



Source: 2010 Seattle-Tacoma International Airport Activity Report, p. 22.

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Discussion

Next steps

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- Economy report
 - ▣ 2nd week of February
- Strategy report
 - ▣ End of February
- March 7 meeting to discuss Strategy report
- Incorporate feedback on reports



THANK YOU

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