



Webinar Series for Comprehensive Plan Updates

Regional Industrial Land Inventory

Presented by Todd Graham and Corrin Wendell February 23, 2017



Today's Topic

- Economic competitiveness context
- Industrial land inventory: Where and how much
- Industrial land inventory: Use the data!
- Regional analysis
- Need for industrial land strategy and preservation
- Tools and tactics for industrial preservation
- Case studies





Manufacturing's importance to MSP economy



- Total metro economic output: \$418 Bn (2015)
- Manufacturing and related are 1/3 of that output

Manufacturing, Wholesale, Transport & Warehousing output

All other industries output





Manufacturing's importance to MSP economy



\$58 B

Manufacturing, Wholesale, Transport & Warehousing self-supply

- All other industries self-supply
- Manufacturing, Wholesale, Transport & Warehousing exports
- All other industries exports



Source: REMI.com

- Total metro economic output: \$418 Bn (2015)
- Manufacturing and related are 1/3 of that output
- Most manufactured output exported
 - "Exports" here includes both international and domestic



Background: Why are we interested?

- Metropolitan Council created to coordinate the orderly development of the region
 - With attention to infrastructure, systems and dynamics that transcend local jurisdictions
- *Thrive MSP 2040* recognizes economic competitiveness and prosperity as regional concerns
 - Supply and continued viability of industrial sites
 - Transportation networks serving freight needs







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- Local government plans should consider how industrial activities and adjacent uses can coexist







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- Use its authority and **provide technical assistance** to protect and preserve compatible land uses around resources such as airports, railroads, and industrial land.
- **Conduct a metrowide inventory** and analysis of industrial land to assess the supply of and demand for industrial land with freight access.
- Encourage the expansion of industrial land and supportive infrastructure as needed to fulfill demand for industrial land with freight access."







Industrial land inventory: What's in it?

Pulled together 10 separate spatial data sets

- 1. Regional parcels dataset, from counties
 - Provides spatial location, tax classifications, assessed values of land and buildings on parcel
 - Also used to calculate local average land value per acre
- 2. Metro Urban Service Area
- 3. Observed land use, from Met Council
- 4. Planned land use, from comprehensive plans
- 5. Brownfields, from MPCA's What's In My Neighborhood database











Industrial land inventory: What's in it? (continued)

- 6. Adjacency to rail lines
- 7. Freight highway corridors proximity (1/2 mi buffer)
- 8. Intermodal freight facilities proximity (1 mi buffer)
- 9. Workforce in the local area (5 mi radius), from Census's Local Employment Dynamics database
- 10. Industrial real estate listings data, from Xceligent and MNCAR
 - Provides real estate type, building size, clear height, count of loading docks/bays







2010 land use in Plymouth, MN



2010 land use in Plymouth. MN





2010 land use in Plymouth. MN











Summarize the data: Plymouth totals



Online Industrial Atlas available summer 2017

- Explorable thru an interactive webmap
 - Links from Local
 Planning Handbook
- GIS shapefile will also be available for download









How's this useful to planners?



Planit

Industrial Land Inventory provides site attributes to:

- Assess industrial suitability
- Prioritize the most viable future industrial sites
- Identify where industrial preservation should be prioritized
- Identify challenges



What factors matter for new industrial development

 Analysis: Logit regression of observed industrial construction









What factors matter for new industrial development

- Analysis: Logit regression of observed industrial construction
- Probability of new development on an *average* parcel: <1% per decade
- Odds vary greatly with location!









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- Inside MUSA improves odds
- Proximity to freight corridor improves odds
- Large acreage improves odds
- All these factors are additive
 - Example: 40 acres greenfield site, inside MUSA, near a freight corridor: 10% per decade probability of new industrial construction







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- Enough undeveloped and planned land to double our industrial activity!






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- Considering output growth combined with factors above: high-end is +12% land use growth, 2015 to 2030
- Forecast range: Net growth of 3,000 to 6,000 acres in active industrial use, 2015 to 2030











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- Long-run, MSP has enough industrial land
 - Specialty submarket with limited supply: railroadadjacent and river port-adjacent
- Short-run challenges make MSP industrial land supply seem smaller
 - The right location, the right characteristics
 - Can a large enough parcel be found?
 - Are land owners willing to sell?







Takeaways

Issues	Answers
Is more industrial land needed? Should land be re-guided <i>to</i> industrial?	Generally no Consider if site is adjacent to river port or rail
Should land be re- guided <i>from</i> industrial to other uses?	It depends: Consider neighborhood characteristics in planning decisions
What risks come from oversupplying industrial land?	Too much supply is possible, leading some land to sit idle
How to retain existing local industrial base?	Work to preserve viability!





Benefits to Preserving

Steps to Ensure Preservation

Tools: Ways to Preserve

City Examples







Benefits to Preserving

• Increases economic health, growth, & viability









Benefits to Preserving

Cost Effective









Benefits to Preserving

 Workforce/Business Retention & Expansion – Job Creation









Benefits to Preserving

• Urban Industrial Revitalization









Benefits to Preserving

Reduce forced relocation & land use conflicts









Steps to Ensuring Preservation

• Create Land Inventory Database







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- Identify Preservation Sites







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- Coordinate Land-Use Planning and Economic Development







Tools: Ways to Preserve







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Zoning Classifications







Tools: Ways to Preserve

- Zoning Classifications
- Rezoning of Land







Tools: Ways to Preserve

- Zoning Classifications
- Rezoning of Land
- Zoning Land Use Designations
 - Planned Industrial Development (PID)
 - Planned Manufacturing District (PMD)
 - Mixed-Use District
 - Industrial Employment District
 - Creative Economy District







Preserving Industrial Land: Example Cities

City of Rosemount Minnesota	Comprehensive Plan Implementation	
City of Milwaukee Wisconsin	 Industrial Land Corridor Protection 	
City of Chicago Illinois	 Zoning – Planned Manufacturing District 	
City of New York New York	 Zoning Code Update – 100 years later 	







City of Rosemount



City of Milwaukee







City of Chicago









City of New York











Questions?

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Upcoming Events

Webinar: School Districts - More Than Just An Affected Jurisdiction Presented by Tara Beard Thursday, March 9, 2017

Workshop: Affordable Housing - Tools and Financing Mechanisms Presented by Jonathan Stanley Thursday, April 13, 2017

Webinar: Population Estimates Presented by Matt Schroeder Thursday, April 20, 2017

*Look for the 2017 PlanIt Schedule of Events on the website

