



Ports and People: Putting Ports on the Community Development Map!

Urban Planning and Policy Development, Rutgers University
34:970:511 Tuesdays 1:10-3:50, Civic Square 474

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Overview

The Spring 2011 Community Development Studio is working with GANE (Garden State Alliance for a New Economy) and the Coalition for Healthy Ports to think about ports as regional economic development assets. Community development actors often think about housing, neighborhood planning, social service delivery, job training and at times, small business development. Ports and their heavy infrastructure and enormous cranes and vessels seem like lingering elements of the industrial city but they are critical post industrial links to the global economy.

We frequently make community maps using census tract level data and invariably “subtract” census tracts with few housing units or people which effectively removes ports from our view of the city. In this class, we will put ports back on the map! The timing is essential. Changes to the Panama Canal will allow larger ships to have direct access to the East Coast. The potential to increase port business has created a new wave of competition among East Coast ports that are racing to improve shipping lanes and port infrastructure with the hopes of capturing the business of a new round of large vessels. The winners hope to bring regional economic benefits including new jobs and businesses.

While port expansion holds great potential, it can also have unintended consequences for neighboring communities. GANE and the Coalition for Healthy Ports has asked us to look at how the port expansion can be the best of all possible worlds. They want to know how ports can grow as a regional economic generator, generate jobs and new businesses, and develop innovative strategies to reduce negative environmental and health externalities. To explore these issues, we will take a crash course in ports, goods movement, the Port of Newark and Elizabeth, and the intersection of ports, jobs, and community health and environment. We will collaboratively think about how ports

work and how they affect community and occupational health, land use, job quality, and physical environment for their neighboring communities, cities, states, and regions.

Our task is to better understand what the port means to the surrounding communities. We will think about how the New Jersey ports are structured, about their history, development, and potential for expansion in the context of their location, the demographic, political, and economic context, and the potential for what's to come given changes in goods transport, changes to the Panama Canal, and regional competitors.

To do this we will:

- Create a profile of the port as it exists today and explore the plans for expansion in light of the Panama Canal changes. We will understand port organization, ownership, and decision making structures. (The port functions as a public private arrangement between the PANYNJ and the firms that work there).
- Situate the ports in their communities and look at the surrounding demographics, housing, job, and economic conditions. Describe the current relationship of the ports to surrounding communities (immediate neighborhoods, communities that surround the expanded short haul trucking units, the state, region, and beyond).
- Identify the benefits ports and port expansion provide.
- Identify the negative externalities produce through ports and goods movements, plans to mitigate the effects, and what the effects are. (Describe existing studies that measure environmental impact. What do they measure? How do they measure it? When and where do they measure? How do these studies compare with what happens in other places? (U.S. and non-U.S.). If we wanted to understand the environmental impact of Ports in Newark/Elizabeth, what do we already know and what should we do to learn what we don't know?)
- Understand the job infrastructure and potential for expansion in job number and job quality. Existing work suggests how many jobs are at the port, how people find out about jobs, and what sorts of jobs these are. The studio will expand on this work to consider what an expanded port might bring in terms of jobs (building on work done in RU Practicum 2006, Bensman multiple studies).
- To do this we will do a variety of tasks that may include:
 - Mapping the ports
 - Creating a series of maps that show the demographics, economics, and housing and educational conditions of surrounding communities
 - Understanding how the ports current relate to these communities
 - Jobs (existing studies by faculty at Rutgers and elsewhere)
 - Environment (What is measured, how it is measured, what we know now, limitations, challenges to measuring cumulative effects of many factors, Showing air monitoring stations now)
 - Health (Access to health insurance related to jobs, environmental effects etc...)

- Conducting a literature review to identify existing studies on air quality. Identify what agencies or organizations monitor air quality in and around the ports and contrast that with what happens in LA and in other countries. Identify strategies for the future in Newark.
- Identify creative strategies internationally that suggest routes to economic vibrancy that capture multiple benefits for all and highlight the tensions involved in economic expansion, jobs, environment, and community health (broadly defined).
- Reviewing current strategies to improve environmental impacts and suggesting future innovations.

GANÉ and The Coalition for Healthy Ports have asked us to figure out how to assess the benefits and the problems ports bring and to look nationally and internationally to find innovative strategies that maximize the benefits and minimize the externalities. The class experience and what we produce will depend on you, your energy, and your participation and thoughtfulness.

Grading

Participation 40%

Report 40%

Presentation and citizenship 20%

Studio Resources

Sakai - The course website includes initial readings and background materials. You can find these materials on Sakai. As you uncover research materials, websites, and other resources, please add your materials to Sakai to share them with your studio colleagues.

511CDS11 on Common - On the Common Drive, there is a folder called 511CDS11 that contains the base mapping files. Please work out a system to maintain the original layers and to keep your work organized. All studio work should be on the common drive so that its accessible to the class. Please post final maps to the Sakai course website in the .png format (or as enhanced jpegs).

Schedule

January 18. Putting Ports on the CD Map: Ports and People

Introductions, Studio 101, Project Overview

- *Greenhouse, Steven. 2010. "Clearing the Air at American Ports." *New York Times*. February 25. <http://www.nytimes.com/2010/02/26/business/26ports.html>
- *Severson, Kim. 2010. "A Race to Capture a Bounty From Shipping." *New York Times*, December 11. <http://www.nytimes.com/2010/12/12/us/12port.html>
- *Coalition for Clean & Safe Ports. Learn more here: <http://www.cleanandsafeports.org/index.php?id=211>
- *PANYNJ. 2009. A Clean Air Strategy for the Port of New York and New Jersey. <http://www.panynj.gov/about/pdf/CAS-FINAL.pdf>

View

- *Mayors Bloomberg and Booker on Clean and Healthy Ports campaign http://www.youtube.com/watch?v=WqG6ojAtpNQ&feature=player_embedded

January 25. Ports and the City

- *Hall, Peter. 2008. "Global Logistics and Local Dilemmas." Proceedings of the International Conference on Gateways and Corridors. http://www.gateway-corridor.com/roundconfpapers/documents/Hall_Peter_Vancouver.pdf
- *Ducruet, C. and Lee, S. 2006. "Frontline Soldiers of Globalization: Port-City Evolution and Regional Competition." *Geojournal*. 67 2:107-122.
- *Martin, D. 2004. "Reconstructing Urban Politics: Neighborhood Activism in Land-Use Change." *Urban Affairs Review*. 39:589-612.
- *Prytherch, David. 2007. "Urban Geography With Scale: Rethinking Scale Via Wal-Mart's "Geography of Big Things." *Urban Geography* 28 5:456-482.
- Olivier, D and Slack, B. 2006. "Rethinking the Port." *Environment and Planning A*. 38 8: 1409-1427.

- Lee, Sung-Woo and Ducruet, Cesar. 2009. "Spatial Glocalization in Asia-Pacific Hub Port Cities: A Comparison of Hong Kong and Singapore." *Urban Geography*. 30 2:162-184.
- Ducruet, C. 2006. "Port-city relationships in Europe and Asia." *Journal of International Trade and Logistics*. 4 2:13-35.
- Ducruet, C. 2007. "A Metageography of Port-City Relationships." in J.J. Wang, D. Olivier, T Notteboom, and B. Slack. Ed. *Ports, Cities, and Global Supply Chains*. Aldershot, UK: Ashgate. 157-172.
- Hayuth, Y. 1982. "The Port-Urban Interface: An Area in Transition." *Area*. 14 3:219-224. (ILL)
- Hoyle, B. 1989. "The Port-City Interface: Trends, Problems, and Examples." *Geoforum*. 20 4: 429-435. (ILL)
- Hoyle, B. 2000. "Global and Local Change on the Port-City Waterfront." *The Geographical Review*. 90 3: 395-417.

February 1. Community Health/Environment and Goods Movement

Invited Speakers

- 1:15-2 *Christopher Steele*
- 2-3 *Bob Noland, RU EJB*
- 3-3:45 *Anne Strauss-Wieder, Ports Consultant*

- *Hricko, Andrea. 2008. "Global Trade Comes Home: Community Impacts of Goods Movement," *Environmental Health Perspectives*. 116 2:A78-181. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2235209/>
- *Kathleen H. Kozawa, Scott A. Fruin and Arthur M. Winer. 2009. "Near-road air pollution impacts of goods movement in communities adjacent to the Ports of Los Angeles and Long Beach." *Atmospheric Environment*. 43 18: 2960-2970.
- *NJDEP. 2009. *Estimated Air Quality Impacts on Surrounding Communities of Pm2.5 and So2 Emissions Resulting from Maritime Operations at Elizabeth Port Authority Marine Terminal and Port Newark*. <http://www.nj.gov/dep/stophesoot/Port%20risk%20Summary-final%2010-9-09.pdf>

*Coalition for Healthy Ports. 2009. "Hazardous to Our Health: The Human Impact of Port Truck Pollution on Truck Drivers and Residents in New York and New Jersey." http://www.cleanandsafeports.org/fileadmin/files_nynj/Hazardous_to_Health_Report_FINAL.pdf

PANYNJ Truck Replacement Program <http://www.panynj.gov/truckers-resources/truck-replacement.html>

PANYNJ Truck Ban (pg 49) <http://www.panynj.gov/port/pdf/tariffs-port-authority-ny-nj-101510.pdf>

PANYNJ. Drayage Truck Survey. http://www.panynj.gov/about/pdf/Drayage_Truck_Survey.pdf

Press Release: Port of NY/NJ to Dump Dirty Diesel Trucks in Favor of Cleaner Vehicles. March 10, 2010. <http://www.nrdc.org/media/2010/100310.asp>

Coalition for Healthy Ports Statement on PANYNJ Truck Program <http://www.prnewswire.com/news-releases/statement-from-amy-goldsmith-executive-director-of-the-new-jersey-environmental-federation-on-behalf-of-the-coalition-for-healthy-ports-87226097.html>

NYC Council Resolution 414 <http://legistar.council.nyc.gov/LegislationDetail.aspx?ID=733522&GUID=31B05FBB-9304-4E1A-BFB9-80A766321D1E&Options=ID|Text|&Search=414>

"Statement from Amy Goldsmith, Executive Director of the New Jersey Environmental Federation on Behalf of the Coalition for Healthy Ports." <http://www.prnewswire.com/news-releases/statement-from-amy-goldsmith-executive-director-of-the-new-jersey-environmental-federation-on-behalf-of-the-coalition-for-healthy-ports-87226097.html>

Starcrest Consulting Group. 2007. "The Port of New York and New Jersey Heavy-Duty Diesel Vehicle Emissions Inventory. July. Report prepared for The Port Authority of New York and New Jersey. <http://www.panynj.gov/about/pdf/The-Port-of-New-York-and-New-Jersey-Heavy-Duty-Diesel-Vehicle%20Emissions-Inventory.pdf>

MATES II. Multiple Air Toxics Exposure Study. <http://www.aqmd.gov/prdas/matesIII/matesIII.html> South Coast Air Quality Management District.

View

Goods Movement 101. Session 2: Health Impacts of Goods Movement. Trade Health and Environment Impact Project. http://hydra.usc.edu/scehsc/web/Resources/What_is_Goods_Movement/GM101_Resources/GM101_Impact%20Project_Session%202_Health%20Impacts.pdf

Health Concerns of Diesel. <http://www.nj.gov/dep/stopthesoot/dieselhealthconcerns.htm> at StopTheSoot.org via NJDEP.

CleanAir Task Force. <http://www.catf.us/diesel/dieselhealth/county.php?site=0&c=34013>

Communities for Clean Ports. http://www.cleanports.org/site/c.kjJRJ9MRIsE/b.4147335/k.AC3A/Our_Economy.htm

Pacific Institute. 2006. *Paying with our Health: The Real Cost of Freight Transport in California*. http://www.pacinst.org/reports/freight_transport/PayingWithOurHealth_Web.pdf

Natural Resources Defense Council. 2004. *Harboring Pollution* <http://www.nrdc.org/air/pollution/ports1/contents.asp> see pg 24 on Newark/NY ports

CARB <http://www.arb.ca.gov/html/gmpr.htm>

Driving on Fumes <http://www.nrdc.org/health/effects/driving/contents.asp>

Commercial Real Estate Development Association. NJ Chapter. <http://www.naiopnj.org/Default.aspx?pageId=605319>

February 8. Ports, Jobs, Trucking, Deregulation, Environment and Public Health

Speakers:

David Bensman, RU Labor and Management Relations

Janice Fine, RU Labor and Management Relations

Bill Rodgers, RU Bloustein School and Heldrich Center

- Initiative for a Competitive Inner City and Newark Alliance. Opportunity Newark: Jobs and Community Development for the 21st Century. <http://www.newark-alliance.org/docs/media/1324-NewarkFullV9.pdf> (pgs 10-12).
- Rutgers University Practicum. 2006. "New Jersey's Link to Global Markets: The Warehouse Industry." New Brunswick: Edward J. Bloustein School of Urban Planning and Public Policy. Practicum Report.
- Hall, Peter. 2009 "Container ports, local benefits and transportation worker earnings", *GeoJournal*. 74(1): 67-83.
- Bensman, D. 2009. *Port Trucking: The Weak Link in the U.S. Global Logistics Train*. Unpublished paper presented at the Industry Studies Association, Chicago, IL. <http://www.industrystudies.pitt.edu/chicago09/docs/Bensman%204.4.pdf>
- U.S. House Transportation and Infrastructure Committee. 2010. "Committee Republicans Commend Ports for Pollution Reduction, but Warn that Reregulating Trucking Industry will Harm Small Businesses." <http://republicans.transportation.house.gov/news/PRArticle.aspx?NewsID=858>
- Goodchild, Anne and Mohan, Karthik. 2008. "The Clean Trucks Program: Evaluation of Policy Impacts on Marine Terminal Operations." *Maritime Economics & Logistics* 10: 393-408.
- Associated Press. 2010. "Port of L.A.'s 'clean truck' program prevails in Court." LA Times. August 27. <http://latimesblogs.latimes.com/greenspace/2010/08/port-of-los-angeles-clean-truck-program-prevails-in-court-diesel-emissions-standards.html>
- Consumer Federation of California, League of United Latin American Citizens, Los Angeles Alliance for a New Economy, and National Association for the Advancement of Colored People. 2008. Foreclosure on Wheels: Long Beach's Truck Program Puts Drivers at High Risk for Default. <http://www.consumercal.org/downloads/Foreclosure%20on%20Wheels.pdf>
- Bensman, D. 2009. *Port Trucking Down the Low Road: A Sad Story of Deregulation*. New York: Demos. http://www.demos.org/pubs/trucking_072009.pdf
- Bensman, David. 2008. "Globalization and the labor markets of the logistics industry." Alfred P. Sloan Foundation Industry Studies Annual Conference at MIT. <http://web.mit.edu/iso8/pdf/bensman.pdf>

FRIDAY February 11. Port Tour

Rutgers University Practicum. 2006. *New Jersey's Link to Global Markets: The Warehouse Industry*. May 6. New Brunswick: Edward J. Bloustein School of Planning and Public Policy.

A. Strauss-Wieder, Inc. 2009. *The Economic Impact of the New York-New Jersey Port Industry 2008*. Report prepared for the New York Shipping Association. <http://www.panynj.gov/about/pdf/reg-in-port-impact-2008.pdf>

Reilly, James. 1916. Port Newark Terminal. Secretary Board of Trade of the City of Newark. <http://ia700204.us.archive.org/23/items/portnewarkterminooreil/portnewarkterminooreil.pdf>

Port Authority of New York and New Jersey. terminal improvement projects <http://www.panynj.gov/port/terminal-improvements.html>

NJIT Urban Environmental Planning Class. 2008. Port Newark: Redevelopment Visions, Challenges & Strategies for Success. slide presentation. <http://www.tcnj.edu/~mluc/economic/documents/NJITPPT.pdf>

NJIT Urban Environmental Planning. 2007. "Port Newark Redevelopment Project: A Vision, Challenges, and Strategies to Overcome Them." <http://www.tcnj.edu/~mluc/economic/documents/PortNewarkStudy.pdf>

- "The current air quality in Port Newark is among the worst in the nation and does not meet the Federal air quality standards for ozone and particulate matter." (NJIT, 2007: 17).

Roberts, David. 2009. "Case Study: Newark Port/Airport Scattered Site Redevelopment Area Investigation." 2009 Redevelopment Forum. New Jersey Future. <http://njfuture.org/09ForumPDFs/DaveRoberts.pdf>

New Jersey Department of Transportation. 2003. Portway Extensions Study. <http://www.state.nj.us/transportation/freight/portway/extstudy.shtm>

Transportation Research Board of the National Academies. 2003. NCHRP Report 497: Financing and Improving Land Access to U.S. Intermodal Cargo Hubs. National Cooperative Highway Research Program. (accessible via Google books)

February 15. Measuring Cumulative Environmental and Health Effects

Speaker: Ana Baptista, Ironbound Community Corporation, Coalition for Health Ports

- *Perez, Laura, Kunzil, Nino, Avol, Ed, et al. 2009. "Global Goods Movement and the Local Burden of Childhood Asthma in Southern California. *American Public Health Association*. 99 53: S622-S628.
- *Su, Jason, Morello-Frosch, Rachel, Jesdale, Bill, Schamasunder, Bhavna and Jerrett, Michael. 2009. "An Index for Assessing Demographic Inequalities in Cumulative Environmental Hazards with Application to Los Angeles, California." *Environ. Sci. Technol.* 43 20: 7626-7634. <http://pubs.acs.org/doi/pdf/10.1021/es901041p>
- *Minkler, Meredith, Garcia, Analilia, Williams, Joy, LoPresti, Tony, and Lilly, Jane. 2010. "Si Se Puede: Using Participatory Research to Promote Environmental Justice in a Latino Community in San Diego, California." *Journal of Urban Health*. Bulletin of the New York Academy of Medicine. Online August 4. <http://www.springerlink.com/content/00v2016476g1x8m3/fulltext.html>
- Air Resources Board, California Environmental Protection Agency. 2010. "Proposed Screening Method for Low-Income Communities Highly Impacted by Air Pollution for AB 32 Assessments." <http://www.arb.ca.gov/cc/ab32publichealth/communitymethod.pdf>

February 22. Ports of LA and Long Beach

- Port of LA
 - http://www.portoflosangeles.org/ctp/idx_ctp.asp
 - Port of LA Clean Truck Program - http://www.portoflosangeles.org/ctp/idx_ctp.asp
 - Clean Air Action Plan 2006 and 2010 Update - <http://www.cleanairactionplan.org/>
 - Port of LA Air Quality Monitoring http://www.portoflosangeles.org/environment/air_quality.asp
 - Port of LA Air Quality Report Card. http://www.portoflosangeles.org/DOC/Air_quality_report_card_2005-2009.pdf
 - Ocean Going Vessel Program - <http://www.portoflosangeles.org/environment/ogv.asp>
 - Interesting truck alternative programs <http://www.portoflosangeles.org/environment/etruck.asp>

- Port of Long Beach
 - <http://www.polb.com/environment/cleantrucks/default.asp>

March 1. Research

March 8. Research

March 15. Spring Break

March 22. Research

March 29. Research

April 5. Draft Report and Presentation

April 12. Finish Report and Polish Presentation

April 19. Draft Presentation at EJB

April 26. Final Presentation

Port Newark

Golway, Terry. 2006. "Jersey: Port Newark's Place in History." <http://query.nytimes.com/gst/fullpage.html?res=9F00EED81731F936A35750CoA9609C8B63>

Kerr, Peter. 1991. "Port Newark: Busy Corner of Commerce and Worries." NYT May 15. <http://query.nytimes.com/gst/fullpage.html?res=9DoCE6D9153BF936A25756CoA967958260&scp=1&sq=port%20of%20newark%20and%20elizabeth&st=cse>

Holusha, John. 2001. "Commercial Real Estate; Empty Freight Containers Rising Too High for Newark." *New York Times*. August 8. <http://query.nytimes.com/gst/fullpage.html?res=9B01E2DF163FF93BA3575BCoA9679C8B63>

Dwoskin, Elizabeth. 2007. "Containers Wall Off a Newark Housing Project." *New York Times*. November 13. <http://www.nytimes.com/2007/11/13/nyregion/13depot.html?scp=4&sq=port%20of%20newark%20and%20elizabeth&st=cse>