NEW PARTNERS FOR SMART GROWTH CONFERENCE

STRATEGIES FROM OUR NATION'S WORKING WATERFRONTS

FEBRUARY 4, 2017
Henry Pontarelli, Lisa Wise Consulting, and NWWN
Mark Breederland, Michigan SeaGrant, and NWWN
Chris Hermann, MKSK
Peter Malinowski, Billion Oyster Project
Susan Taylor, St. Louis Port Authority
WORKING WATERFRONTS

- Restaurants
- Tourism & Recreation
- Transportation
- Cruise Industry
- Marine Construction
- Ship Building & Repair
- Aquaculture
- Fishing
- Charter Fishing
- Marinas
- Seafood Processors
- Seafood Retail
- Yacht Clubs & Recreational Boating

LWC
U.S. WATERFRONT ECONOMY: DIVERSE & VALUABLE

- 149,000 businesses
- 3 million employees
- $117 billion in wages
- $359 billion GDP
- Shipping $886m
• Economic Analysis

• Strategic and Land Use Planning

• Community Engagement

• National Working Waterfront Network
Land Use Plan:
• Driver for Investment

Implementation Strategy:
• Lease Stability
• Stakeholder Awareness
• Cultural Connection
PORT SAN LUIS: INNOVATIVE FUNDING

Non-Traditional Financing:
• Public Agency Loan

Implementation Strategy:
• Development Permit
• Private Investment
SAVE THE DATE!

GREAT LAKES

Save the Dates: Wednesday, May 13 - Thursday, May 14, 2015
26th Annual Great Lakes Water Quality and Restoration Conference
Great Lakes International Conference - Toledo, Ohio
GREAT LAKES COASTLINE
MICHIGAN’S FISHTOWN: LELAND, MICHIGAN
FISHTOWN, LELAND, MI

Commercial and sport fishing village that embraces history and natural environment
FISHTOWN

AUTHENTIC WORKING WATERFRONT

1920

Today
FISHTOWN

AUTHENTIC WORKING WATERFRONT

1920

Today
Preservation Society: provide visitors with access to authentic, active fishing village…
FISHTOWN

HISTORIC PRESERVATION AND COMMUNITY INVOLVEMENT

...and inspire a sense of community, responsibility and stewardship
FISHTOWN

NAGGING CHALLENGES

Dredging for harbor access
Who We Are

Fishtown is a collection of weathered fishing shanties, smokehouses, overhanging docks, fish tugs and charter boats along the Leland River in Leland, Michigan. The heart of a commercial fishing village, Fishtown is where we can still see and feel a connection to the long tradition of Great Lakes maritime culture.

Learn More

What We Do

Fishtown Preservation is a not-for-profit organization dedicated to preserving the historical integrity of Fishtown and ensuring that it continues as a publicly accessible and authentic connection to local and regional history, Great Lakes commercial fishing, and maritime traditions and experiences.

Learn More

You Can Help

Few places are as real as Fishtown. Here we can preserve a living link to a long Great Lakes maritime heritage, as well as to our own families and memories. We want to ensure that Fishtown remains alive for future generations. Your participation will make all the difference for Fishtown.

Learn More
TRANSFORMING THE COLUMBUS RIVER
COLUMBUS RIVERFRONT – LONG-
RE-STARTED WITH A VISION

Riverfront Vision Goals - 1997

- The river should contribute to the overall image of Columbus.
- The river should be a destination in and of itself.
- The river should be a connector between activities and places.
- New development should be mixed use and mixed income.
- The river should be accessible by diverse communities.
- The riparian environment is a special asset to the city.
RIVERFRONT TRANSFORMATION

$220 Million CIVIC INFRASTRUCTURE

$1.36 Billion PRIVATE
BILLION OYSTER PROJECT
BILLION OYSTER PROJECT

• Restoring a native keystone species to New York Harbor

• Reconnecting New Yorkers to the water by engaging them directly in the work of restoring oysters
CAREER DEVELOPMENT

Harbor School Student

• Specialize in one of six Marine Fields
  • Aquaculture
  • Vessel Operations
  • Marine Systems
  • Ocean Engineering
  • Marine Biology
  • Professional Diving
Oyster Restoration Research

- Oyster Growth and Survival
- Mobile Invertebrates
- Sessile Invertebrates
- Water Quality
- Site Conditions
Various Stakeholders

- Restaurants
- Schools
- Community Groups
- Non-Profits
- Government Agencies
Port of Metropolitan St. Louis

- 70 miles long (per Army Corps)
- 130 shipping facilities in MO and IL
- 17th largest US port: 109M tons/yr
- 11 river crossings here
- 40% of US agricultural output moves on the Mississippi annually
- $405B Mississippi River total economic value/year
- 300’ wide channel, 9’ minimum depth
- Northernmost ice-free and lock-free port on the Mississippi
ST. LOUIS PORT AUTHORITY

UPPER MISSISSIPPI RIVER L&D #15 IN ROCK ISLAND, IL: BREAK TOW TO LOCK THROUGH

FLEETING (BARGE PARKING LOTS)

BARGE SHIPPING

LOWER MISSISSIPPI RIVER TOW: 48 HOPPER BARGES
Multi-modal: 7 interstates, 6 Class one railroads, 2 international airports, 6 major barge lines, 15 natural gas and refined-product pipelines
ST. LOUIS PORT AUTHORITY

BARGE EFFICIENCIES

How does each compare?

- 1,050 Large Semi Tractor-Trailers
- 576 Units to Carry 1,750 Short Tons of Dry Cargo
- 413 Ton-miles Traveled per Gallon of Fuel
- 155 Barge
- 16 Rail Cars
- 70 Trucks

Barges have the smallest carbon footprint among other transportation modes.

To move an identical amount of cargo by rail generates 30% more carbon dioxide than by barge, and 1,000% more emissions by trucks than by barge.
St. Louis Port District
- 6,000 acres
- 19-mile riverfront
  - 2/3 leased by Port Authority to private shippers/carriers
  - 20M tons/year

Municipal River Terminal (public dock)
- 40 acres, 4300’ shoreline, 67 barge fleeting
- 2000’ dock, 250-ton crane load
- RR spur into facility
- Direct access to I-70, new Mississippi River Bridge
- 250K SF warehousing

Operated by SCF Lewis and Clark Terminals
ST. LOUIS PORT AUTHORITY

CAPITAL IMPROVEMENTS

MUNICIPAL RIVER TERMINAL DOCK MODERNIZATION (2013)
$20M = $16M federal grant + $4M Port Authority

BEFORE - PHOTO
Old South Dock, abandoned Middle Dock
1470’ mooring: 5-6 barges

AFTER - RENDERING
Rebuilt South Dock, new Middle Dock
2000’ mooring: 8-10 barges
North Dock Upgrade, 2015
$664K = $389K state grant + $275K Port Authority

ST. LOUIS PORT AUTHORITY

Warehouse Lighting, 2016
$664K = $317K state grant + $149K SCF

Railroad Improvements, 2017
- $44K rail access plan = $44K Port Authority
- $1.5M track design/construction = $1.2M state + $300K SCF
- $3M track construction = $3M SCF
Regional Freight Plan, completed 2012, recommended:

We must compete as a region
1. Create Regional Freight Authority
2. Create Regional Freight District
3. Develop Prioritized List of Regional Projects

Mary Lamie, P.E., Executive Director, Started July 1, 2015
http://www.thefreightway.com/
Mississippi River Cities & Towns Initiative (www.mrcti.org)
- Created in 2012, based in St. Louis
- 124 mayor led cities and towns on main stem, 70 joined MRCTI
- Mayor Slay was founding mayor

The Mississippi River Cities and Towns Initiative (MRCTI) matters of concern:
- River water quality and habitat restoration
- State coordination around River management and improvement
- More impactful water conservation measures
- Sustainable economies
- Celebration of the River culture and history

Mayors Set to Meet in DC
Mayors will gather in Washington, DC Feb 28-March 2, 2017 to make a critical push for valuable infrastructure investment from the incoming administration. Mayors have set both natural and conventional infrastructure as a priority and will meet with Washington leaders to devise a plan forward.

Colin Wellenkamp, Executive Director
St. Louis will host annual meeting in September, 2017.
Mississippi River Cities & Towns

300 years of America’s Manifest Destiny

MRCSTI has realized success in securing a sustainable future for the Nation’s Great Waterway in just four years.

- $165 million enacted for Section 319 Water Pollution Grants
- $100 million enacted for Pre-Disaster Mitigation Grants
- Established Sustainable Waterfront Development Fund
- Re-Linked conservation compliance to crop insurance
- $5 million enacted for the Marine Highway Program
- Preserved SRFs above $2 billion for FY 2015

MRCSTI Global River Talks
Sustaining the World’s Food-Producing Rivers
COP 21, Paris, France 2015

At COP 21 in Paris, Mayors of the Mississippi River successfully brokered a food and water security agreement among 15 nations in North America, Europe, and Africa.

The Mississippi River ranks first in the world’s food-producing river basins. For the first time, the Mississippi is taking a leadership role in sustaining the world’s freshwater ecosystems and economies.

At the World Assembly of River Basins in Merida, Mexico, MRCSTI Co-Chair, Gretna, LA Mayor Belinda Constant successfully brokered a food and water security agreement with river basin organizations comprised of over 70 nations.

This was the first time the Mississippi River specifically was represented at the International Network of Basin Organizations’ World Assembly. Recognizing the impact of climate change on the world’s food-producing river basins, river networks from Africa, Europe, South America, and North America were eager to sign.

Following global river talks in Paris during COP 21 and in Mexico during the World Assembly of River Basins last week, Mayors of the Mississippi River Cities & Towns Initiative (MRCSTI) represented America’s most important waterway at the U.S.-China Climate Leaders Summit presenting on the importance of river valley ecology in capturing carbon.

Mayor Chris Coleman of St. Paul, MN and Mayor Roy Buol of Dubuque, IA urged important natural infrastructure provided by river valleys be made part of city carbon reduction efforts and called for a profile of the Mississippi River’s environmental services.