

Draft: Aug 12, 2008

Memorandum of Understanding

Regarding Reducing Pollutant Emissions and Conserving Resources
Between <Green Port> and <Participating Businesses>

“Green” Port Authority (hereafter GPA), and participating GPA terminal/port businesses (hereafter “Participating Businesses” or PBs) have established a voluntary agreement to reduce emissions, save fuel, and improve environmental management at the Green Port and surrounding areas. Under this MOU, which is in effect for three years from the date of signature, GPA and each signing PB will commit to the following:

Reduce Engine Idling

- A company policy requiring employees, contractors and customers to comply with state idling limits will be issued to reduce motor vehicle idling time by <date>.
- Idle limit signage will be posted on portions of the property where trucks and other motor vehicles operate by <date>.
- Company managers and staff on duty will monitor vehicles and ask drivers not to idle in excess of the state or local limit (ongoing).
- At a minimum, outreach to discourage idling will be conducted annually.
- A similar idle reduction effort will be applied to any company or guest vessels able to reduce in-port operation of generators or engines.
- If idling proves difficult to control via policy, education, signage, and self-policing, the PB will consider measures that could reduce the need to idle, such as efficient gate management, scheduling improvements, driver waiting rooms, and providing on-dock power (for refrigerated trailers and trucks, vessel generators, etc). The status of these efforts will be evaluated at the end of the first and each subsequent year of this MOU.

Use Cleaner Fuels

- The PB will reduce diesel-burning fleet (vehicle and vessel) emissions by transitioning to cleaner ultra low sulfur diesel fuel or biodiesel. [Yearly targets for proportion of fleet, type of fuel, etc are:...]
- The PB will provide lower-emission fuels in its refueling facilities for use by customers and guest vehicles/vessels, as follows:
 - Low sulfur diesel (currently a “green” measure for vessels only)
 - Ultra low sulfur diesel fuel (for vehicles, vessels and equipment)
 - BX blends of biodiesel

Reduce Marine Vessel Speeds

- To reduce fuel consumption and emissions in and near the port, the PB (in cooperation with the GPA) will require its vessel fleet operators and visiting vessels to reduce operating speeds to N knots per hour within # miles of the port by [date].

Maintain and Upgrade Vehicles, Vessels and Equipment

- The PB will institute a fleet management program to track chassis and engine make, model, HP rating, year, maintenance, repair, fuel consumption, operating costs, and upgrades (engine rebuild or replacement, emission control added).
- Based on data yielded by this management program, the PB will develop policy & procedure to keep equipment working efficiently and to plan upgrades and replacements in anticipation of need and based on best available technology.
- Alternative fuels and power supplies, such as CNG, LNG, hybrid drives, variable speed drives, generator sets, and ability to plug into shore (electric) power will be assessed for engine and equipment replacement opportunities.

Improve Efficiency of Transport Within and Across Modes

- The PB will employ more fuel-efficient modes of shipping (rail, short-sea, etc) where available and practical, and explore opportunities to build new intermodal connections (on- or near-dock rail connections, etc).
- The PB will consider opportunities to participate in EPA's SmartWay Transport Partnership as either a SmartWay shipper or carrier.
- Explore incentives for encouraging PB customers and contractors to upgrade vehicles and vessels, such as offering preferential scheduling or fee reduction for newer or retrofitted dray trucks, reduced docking fees for vessels burning cleaner fuels or utilizing shore power, etc.

Conserve Energy

- PB outdoor and facility lighting and HVAC systems will be evaluated for energy efficiency by [one year from date of signing].
- Relatively simple upgrades such as light timers, high efficiency compact fluorescent bulbs, building insulation, setback thermostats and the like will be instituted by [two years from date of signing].
- More ambitious measures such as meeting needs via photovoltaic, wind, hydro, or other alternative power sources, or more ambitious ways of reducing demand (such as green roofs) will be evaluated by [three years from date of signing].

Consider Cold Ironing (Shore Power) for Vessels

- Evaluate the vessels berthed at and visiting the PB that typically run their main or auxiliary engines while in port, to explore whether providing shore power would be a cost-effective and feasible alternative to burning diesel.

Institute Environmental Management and Improvement Programs

- Assess PB operations using a multi-media compliance checklist, including federal and state regulations, provided by EPA. Document baseline and track progress on yearly basis.
- In partnership with the BPA or independently, develop an Environmental Management System covering all environmental aspects (regulatory and other) of the PB operation.

- Implement source reduction, recycling, reuse, and/or composting programs for major waste streams including paper, plastic, metal, food/organics, oil, etc. Document baseline and track reductions and costs/benefits.

The PB will monitor progress and each January report to GPA on calendar year results in achieving the above goals. GPA will provide a standard reporting form for this purpose. These results will be compiled by the GPA into an annual comprehensive report detailing the progress of GPA and the PB, which will be available to the public.

GPA agrees to support the PB in achieving these goals by providing assistance in areas such as marketing, communications and training. Further, GPA will work with New England federal and state agencies to identify best management practices, potential sources of funding, and other resources related to these goals and will share this information with all participating PBs.

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Signatures

Director, <Green Port>

Date

President or Owner, <Port Business A>

Date

President or Owner, <Port Business B>

Date

President or Owner, <Port Business C>

Date

...and so on