

PROJECT OVERVIEW

Site Rendering

OVERVIEW

Pembina is proposing to build a rail-served, marine export terminal for the purpose of exporting liquid propane to global markets. The design of the facility would accommodate an average capacity of 37,500 barrels (1.6 million gallons) of liquid propane per day. One train would arrive every second day with propane from Pembina's Redwater Facility in Alberta. The liquid propane would be unloaded, chilled and stored for an average of 15 days in steel, double-walled, above-ground storage tanks capable of holding 800,000 barrels (33.6 million gallons), before being loaded to an ocean going ship via above-ground facility piping at the existing Berth 607. Pembina estimates there to be two-to-three such ships per month.

The Project is being designed for a minimum of 25 years of service with a proposed in-service date, subject to regulatory and environmental permit approvals, scheduled for Q1 2018.



This facility layout illustration is conceptual and intended for consultation purposes. If the design should change as a result of Project development, stakeholders will be advised accordingly. Site rendering courtesy of the Port of Portland.

The cost of the project, which would be the single largest private investment in Portland's history, is approximately \$500 million (U.S.). Typically, Pembina's major projects can range from \$100 million to over \$1 billion in size.

Schedule

Proposed* Schedule – Portland Propane Export Terminal Project

Consultation	Q3 2014 – Q1 2016
Engineering and Design	Q3 2014 – Q2 2017
Environmental and Regulatory Processes	Q3 2014 – Q1 2016
Procurement	Q4 2014 – Q4 2016
Construction	Q1 2016 – Q1 2018
Facility Start-Up	Q1 2018

*Date ranges are based on a best-case scenario and are subject to change

Project Need

Propane exported from the project will be produced by Pembina's customers, from natural gas production originating in the fields in northeast BC, northwest and central Alberta within the Western Canadian Sedimentary Basin (WCSB), not the oil sands deposits in northeastern Alberta.

The intended market for this liquid propane is the Asia-Pacific region in order to satisfy rising demand for cooking, heating and manufacturing feedstock.

The North American propane market has experienced a shift in recent years, where North American propane supply now exceeds forecasted near and long-term demand. This forecast indicates excess supply through 2040.

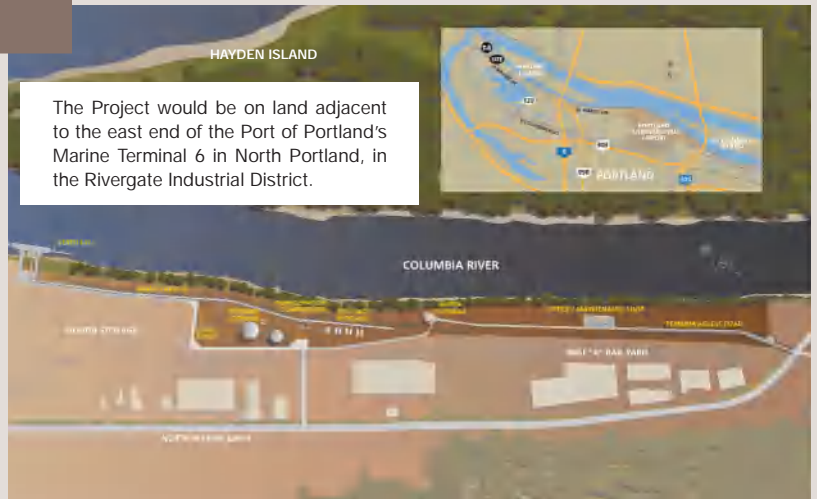
PROJECT OVERVIEW

Proposed Site Details

When completed, the rail-served, marine terminal and propane export facility would include:

- a rail yard with liquid propane unloading equipment;
- rail unloading tanks with a total storage capacity of approximately one million gallons to receive delivered liquid propane;
- refrigeration equipment;
- two large, refrigerated double-walled, liquid propane storage tanks capable of holding approximately 33.6 million gallons;
- a flare stack and above-ground facility piping connecting the equipment; and
- a control center, office, shop and maintenance facilities.

The marine terminal consists of an existing wharf, modified to accommodate ocean-going ships capable of transporting liquid propane, with a materials ship-loading area and associated trestle and above-ground piping to transport the



The Project would be on land adjacent to the east end of the Port of Portland's Marine Terminal 6 in North Portland, in the Rivergate Industrial District.

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product from the storage tanks to the ship. These facilities will be supported by infrastructure and equipment including: power supply and distribution; water supply and distribution (including fire water); utilities; waste collection and treatment and a supporting maintenance area.

Future Expansion?

The project as Pembina is proposing is based on the business case for the facility – the size and volume required to make the project viable economically. This business case formed the basis for the engineering design.

There has been discussion in the media, and suggestions that Pembina plans to expand the size of the facility in the future, but this is not being contemplated at this time.

The proposed facility could accommodate larger throughputs of product, but Pembina would need to make upgrades and infrastructure improvements throughout its Canadian operations, make infrastructure improvements at the site, and seek new or amended facility permits in order to increase propane volumes.

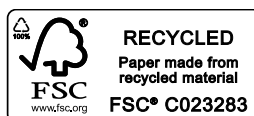
Further, the design of this site is to accommodate liquid propane only. Pembina has no intention of handling or shipping crude oil and liquefied natural gas from this facility. The facility as proposed and designed cannot accommodate crude oil or liquefied natural gas.

FORWARD-LOOKING STATEMENTS & INFORMATION

This presentation is for information purposes only and is not intended to, and should not be construed to constitute, an offer to sell or the solicitation of an offer to buy, securities of Pembina Pipeline Corporation. This presentation and its contents should not be construed, under any circumstances, as investment, tax or legal advice. Any person accepting delivery of this presentation acknowledges the need to conduct their own thorough investigation into Pembina and its activities before considering any investment in its securities.

This document includes forward-looking statements or information within the meaning of the "safe harbor" provisions of applicable securities legislation which are based on Pembina's expectations and assumptions in light of its experience and its perception of historical trends, current market conditions and perceived business opportunities. Such forward-looking information and statements relate to business strategy and plans, anticipated expenditures, benefits, timing of the terminal project and other expectations, beliefs, goals, objectives, assumptions or statements about future events or performances. Undue reliance should not be placed on these forward-looking statements and information as both known and unknown risks and uncertainties may cause actual performance and financial results to differ materially from the results expressed or implied.

Information on risk factors that could impact Pembina's operational and financial results are contained in Pembina's Annual Information Form and Management's Discussion and Analysis, and described in our public filings available in Canada at www.sedar.com and in the United States at www.sec.gov. The forward looking statements contained in this document speak only as of the date of this document. Except as expressly required by applicable securities laws, Pembina and its subsidiaries assume no obligation to update forward-looking statements and information should circumstances or management's expectations, estimates, projections or assumptions change. The forward-looking statements contained in this document are expressly qualified by this cautionary statement.



Contact Information

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For more information on our proposed project, please visit: www.pembina.com/propaneterminal

PROJECT BENEFITS



The Pembina propane export facility in Portland will generate between 600-800 construction jobs and up to 40 permanent full-time positions.

The 40 permanent positions at the facility will have salaries ranging from \$70,000 to \$120,000 (U.S.), with full benefits, and will include highly skilled positions as controllers who will oversee the integrity of facility's operations around the clock, everyday.

Construction of the Portland facility will cost \$500 million (U.S.). Half of that amount will be spent locally for labor, supplies and services, which will support local business and job-creation. Pembina is committed to working with local small businesses, including businesses owned and operated by minorities and women.

Pembina has signed a letter of understanding with the Columbia Pacific Building and Construction Trades Council to use union labor to build the Portland facility. Portland's skilled workforce, with its commitment to safety, is one reason Pembina chose Portland for this facility. We anticipate that many of the men and women who will build this project, or who are apprentices on the project, will be from North Portland.

Pembina will work with local workforce agencies and organizations to identify qualified workers, starting with a preference of men and women from North Portland. Our permanent workforce will be hired while the facility is under construction so they know it from top to bottom. Pembina will coordinate with local workforce training programs to the greatest extent possible.

“Portland's skilled workforce, with its commitment to safety, is one reason Pembina chose Portland for this facility.”

PROJECT BENEFITS



“ The project will generate significant economic development opportunities in the region. Once in operation, the facility is expected to generate approximately \$12 million in annual property tax revenue and require \$25-30 million annually to operate. ”

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PROPANE

Propane is a by-product of natural gas. The liquid propane Pembina would export from the proposed terminal will be processed completely in Canada, derived solely from natural gas liquids and is not a product of the Alberta oil sands.

Propane is a clean burning, energy efficient fuel that is being used throughout the world to displace more carbon intensive energy

sources. It is listed as a clean fuel in the 1990 U.S. Clean Air Act, by the Environmental Protection Agency and the Oregon Clean Fuels Program. Propane is not classified as a greenhouse gas.

Propane is a safe product that most people are already familiar with in their day to day lives.

Typical applications for propane include:

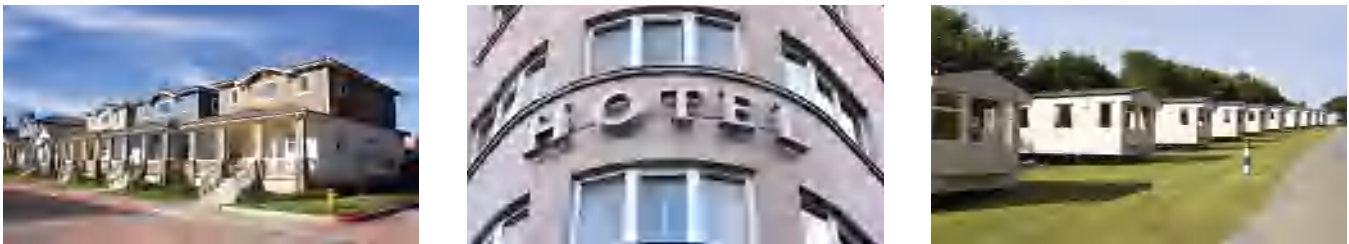
Cooking

75% of all U.S. families own a barbecue grill, 60% of which are propane-powered. In general, people are comfortable handling their own refuelling needs. Further to Americans' BBQ traditions, and closer to home, Portland is famous for its propane-powered food carts that dot the downtown core.



Heating

More than 8 million U.S. homes use propane and it is an essential fuel in the hotel and restaurant industries. 16% of the nation's over 6 million mobile and manufactured homes use propane as their primary heating source.



Vehicle Autogas

The Portland Public School Board operates approximately 400 propane-powered school buses, due to the efficiency and safety of propane as an alternative fuel source. Propane's low emission characteristics make it a safe choice for more than 300,000 forklift truck operators and other indoor industrial vehicle operators.



(Source: National Propane Gas Association – Facts about Propane: http://www.npga.org/files/public/Facts_About_Propane.pdf)

PROPANE

Typical applications for propane – cont'd

Farming

Propane is a staple on 660,000 U.S. farms, where it is used for: crop drying, ripening, heating and refrigeration, powering farm equipment.



Plastic Manufacturing

Propane is used throughout the world as a feedstock in the manufacturing of plastics – a material essential to our everyday lives in the form of computers and phones, medical equipment and vehicle parts for example.



Recreational Use

Because propane is portable and clean-burning, it is used by millions of recreational vehicle owners and camping enthusiasts to power grills, outdoor lights and RV appliances.



(Source: National Propane Gas Association – Facts about Propane: http://www.npga.org/files/public/Facts_About_Propane.pdf)

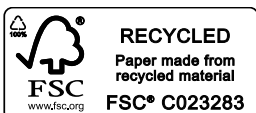
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SAFETY

SAFETY FIRST

As a prudent operator, Pembina employs a "Safety First" culture; we plan for the worst and prepare our staff accordingly. Our people are trained in safe operating and emergency response procedures; they are observed on their job, tested and their competency is fully documented.

Pembina completes detailed hazard identification analyses, has corporate and site specific emergency response plans in place in the remote chance that an incident occurs and conducts annual emergency response drills to test our people, our procedures and working relationships with local first responders.

Pembina's safety culture in action resulted in no employee lost time accidents in 2014. This is a significant achievement considering we worked **2.4 million** person-hours.



Facility Safety

Pembina is cognizant of the risks and hazards at its facilities during construction and into long-term operations. Safety measures and state-of-the-art equipment for our proposed facility will include:

- Gas and fire detection equipment
- Automatic and remote controlled shut-off valves
- Automated monitoring and control systems
- Emergency backup generator to ensure safe shutdown and terminal management in the event of power loss
- Pressure and fire relief and flare system
- 24 hours/day staffed control room
- 24 hours/day on-site operators
- Security Management Plan incorporating security practices of the Port of Portland



SAFETY

Emergency Response Planning

A required component of the proposed facility is a site-specific Emergency Response Plan (ERP), where all risks and hazards are reviewed and accounted for. The ERP outlines procedures to follow and identify resources that can assist in the event of an incident. The type of resources will include equipment and personnel from Pembina, third parties such as contractors or cooperatives, as well as area first responders. We test and simulate our ERP's each year. This is a standard process and procedure for Pembina. Typically, Pembina invites local and state authorities to participate in these drills. We are prepared to prevent incidents and effectively handle them if they occur.

Pembina will complete its ERP with the support of the Port, U.S. Coast Guard, City, local first responders and community. As the primary responder to a potential onsite incident, Pembina would consult its ERP to organize support for secondary response and other logistical needs. If it is determined in the ERP development that local fire, safety and other first responders lack equipment deemed critical in supporting an incident response at the proposed facility, Pembina will support the purchase of the necessary equipment.



Security Management

The security of our staff and critical infrastructure is of vital importance to Pembina. As we continue to grow our assets, which includes our people, our physical, intellectual and technological assets and our company reputation, excellence in security management is an increasingly important objective. Safeguarding Pembina's operations, people and assets is fundamental to preventing losses and protecting our shareholders' interests.

The aim of Pembina's Security Management Program is to ensure the security of our assets and comply with applicable regulations. At Pembina, we review potential threats to assess how they may impact our business and employees and to reduce risk where possible. Pembina's Security Management Plan for the proposed facility at Terminal 6 will incorporate the Port of Portland's security practices.

Earthquakes

Our facility will be designed to meet the most recent seismic standards of the 2012 International Building Code and the 2014 Oregon Structural Specialty Code. Consequently, the facility will be designed to withstand the effects of a magnitude-7 earthquake in the City of Portland or a magnitude-9 earthquake on the coast. This means that post earthquake, the structures would still support gravity load, damage that does occur will not prevent egress for occupants, and the tanks will retain containment capability.

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RAIL SAFETY

Pembina's focus is on operating a safe, efficient and effective rail fleet. Pembina has shipped propane to Oregon for over 15 years. In 2014, over 7.5 million gallons of Pembina's liquid propane was safely delivered to 13 communities in Oregon. Of that total, over 3 million gallons of liquid propane were safely delivered to Portland.

Pembina will work with a rail company that is devoted to safe and reliable operations. Pembina will chose a rail carrier by first gathering a full understanding of the rail companies' safety procedures and emergency response protocols, as well as the routes our product would travel. To date, Pembina has not confirmed a rail transportation provider, or route, for this project. Pembina anticipates having an agreement in place by mid-to-late 2015.



“In 2014, over 7.5 million gallons of Pembina's liquid propane was safely delivered to 13 communities in Oregon. Of that total, over 3 million gallons were safely delivered to Portland.”

RAIL SAFETY

Pembina's Rail Fleet Quick Facts

The rail cars we use are DOT 112 pressure cars – designed for the delivery of propane; they are not used for the delivery of crude oil, LNG or bitumen.



- Fleet of over 1,200 DOT 112 pressure rail cars
- Average age of cars is six (6) years and fleet is continuously upgraded
- Pembina's tank car fleet is 100% leased – covering both manufacturer repair and maintenance services
- Complies with all current regulatory standards in the United States and Canada

The Unloading Process

The unloading of a propane rail car can be summarized in nine steps, which include several safety measures:

- Securing the rail car for unloading
- Inspecting the rail car
- Gauging and testing the contents of the rail car
- Determining the maximum amount of propane to be transferred to the facility's storage tanks
- Connecting liquid and vapor hoses between the rail car and the unloading riser
- Unloading liquid propane from the rail car
- Evacuating propane vapor from the rail car
- Disconnecting the hoses and closing all valves
- Preparing the rail car for departure

These procedures are conducted by properly trained personnel.

Awards Recognition

Pembina has a proven record of safety while transporting propane by rail. Pembina is consistently recognized by the major rail carriers in Canada and the U.S. for our commitment to safe transportation, ongoing training and prevention programs, and our tank car equipment handling, achieving zero non-accidental releases during rail shipment.

Achievements:

- Burlington Northern Santa Fe (BNSF) Safe Handling Award – 14 years
- Canadian National (CN) Safe Handling Award – 9 years
- CSX Chemical Safety Award – 13 years
- Canadian Pacific (CP) – 2014 Shipper Safety Award

“Pembina has a proven record of safety while transporting propane by rail.”

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COMMUNITY COMMITMENTS

Community Commitments



Pembina has stated, as a corporate goal, to be a 'neighbor of choice' in the communities where we operate. In order to achieve this goal in Portland, Pembina is making the following Community Commitments.

Pembina will:

- Purchase renewable, green energy to offset power used at the facility site;
- Enhance the shoreline habitat at the site;
- Give first preference to qualified North Portland residents for full-time jobs that pay from \$70,000 to \$120,000 annually in living wage salaries with full benefits, using available local workforce training resources and engaging small businesses, including minority and women-owned businesses;
- Use unionized labor to build the facility because of its commitment to safety-first principles and their self-interest as local residents to build the safest facility possible; and,
- Not seek government subsidies, public funds or any other incentives to financially support the proposed project.

Further to these Community Commitments, Pembina has publically committed to two other initiatives as a demonstration of its collaborative approach to working with the community.

Pembina will:

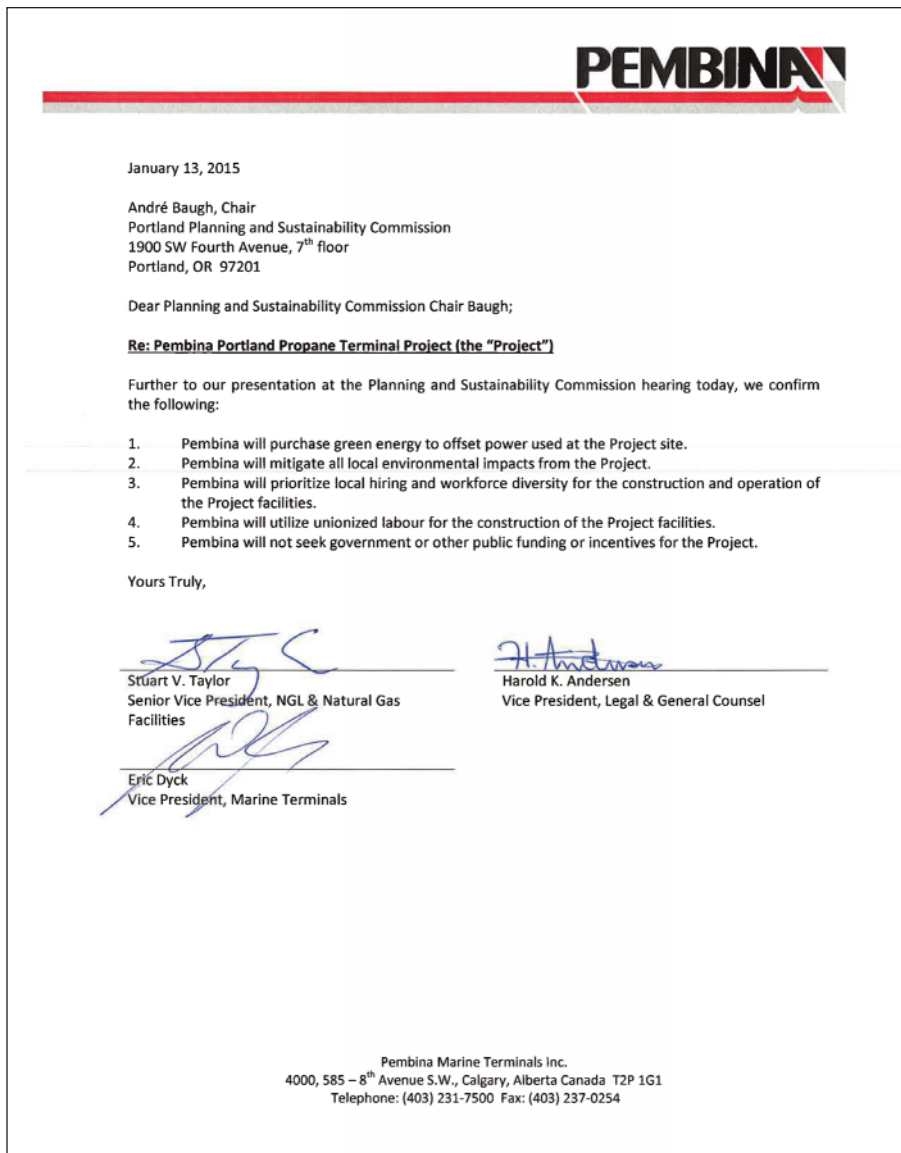
- Develop a Good Neighbor Agreement with nearby communities, and,
- Establish a Community Advisory Committee to provide an ongoing forum for dialogue with the community about the site design, construction, safety features and operations.

As a demonstration of our accountability, Pembina's executives provided a signed letter covering these commitments to André Baugh, Chairman of the Planning and Sustainability Commission, on Tuesday, January 13th, 2015.

A copy of this letter is provided for your reference on the reverse side of this page.

COMMUNITY COMMITMENTS

Community Commitments letter, signed by Pembina's executives



“ Pembina is committed to being a neighbor of choice. ”

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For more information on community engagement, please visit: www.pembina.com/propaneterminal

COMMUNITY ENGAGEMENT

Pembina values community engagement and has achieved positive working relationships in the 60 communities in which it operates and with First Nations and Tribes. It will be no different in Portland.

Pembina has committed to negotiate and enter into a Good Neighbor Agreement (GNA) with neighborhood associations and key stakeholders in North Portland. Pembina has agreed to provisions relating to first-sourcing of jobs, use of renewable energy and enhancement of shoreline resources at the Terminal 6 site.

Pembina has already reached out to neighborhood associations, community leaders, environmental groups and opinion leaders to identify concerns and answer questions. Pembina also has met with Tribes with an interest in the Columbia River and its future.

As part of a GNA, Pembina has committed to create a diverse and representative Community Advisory Committee (CAC) to serve as an ongoing forum for dialogue. Pembina would seek the committee's advice on site design and shoreline enhancement and invite committee members to learn more about Pembina's safety procedures and observe our incident training exercises.

Pembina plans to be a full, participating member of the Portland community and has already joined the Portland Business Alliance.



Good Neighbor Agreement

A GNA will be negotiated directly among Pembina, North Portland neighborhoods, adjacent floating home communities and stakeholders. The GNA could include these elements:

- Compliance with all federal, state and local regulatory and safety requirements, in construction and operation phases.
- Use of union labor to build the facility safely.
- Leverage existing local workforce training programs and resources.
- Reliance on local small business, including minority and women-owned vendors.

- First preference to qualified North Portland residents for construction, apprentice and permanent jobs at the facility.
- Adherence to industry best practices in operation of the facility and minimizing local impacts.
- Purchase of green, renewable electricity for use at the facility.
- Mitigation of all local environmental impacts from the project creation of a Community Advisory Committee to provide an ongoing public forum.

In January 2015, Pembina made a number of these commitments publically and is prepared to honor them in a transparent fashion through the oversight of the CAC.



“ A GNA will be negotiated directly among Pembina, North Portland neighborhoods, adjacent floating home communities and stakeholders.”

COMMUNITY ENGAGEMENT

Community Advisory Committee



Pembina wants to create an ongoing forum to hear from a diverse cross-section of North Portland representatives to help us develop this project. We envision an approximate 15-member committee comprised of members from the nearby community associations, first responders/fire safety and more.

The committee's intent is to support meaningful and collaborative community dialogue and engagement on the planning, construction and safe operation of Pembina's proposed propane export facility.

A **Community Advisory Committee** that reflects the diverse interests of North Portland would provide:

- A community forum to discuss concerns and obtain answers as Pembina completes site design, seeks permits and begins construction.
- A community resource to offer counsel on issues such as shoreline enhancement at the terminal site.
- A community observer opportunity as construction begins to see safety features as they are built into the facility and training of permanent workers.
- A community monitor of the Good Neighbor Agreement.
- A community representative to observe incident training exercises when the facility is operational.
- An adviser on community investments by Pembina to ensure its support has the most impact on North Portland.

“ Pembina wants to create an ongoing forum to hear from a diverse cross-section of North Portland representatives to help us develop this project. ”

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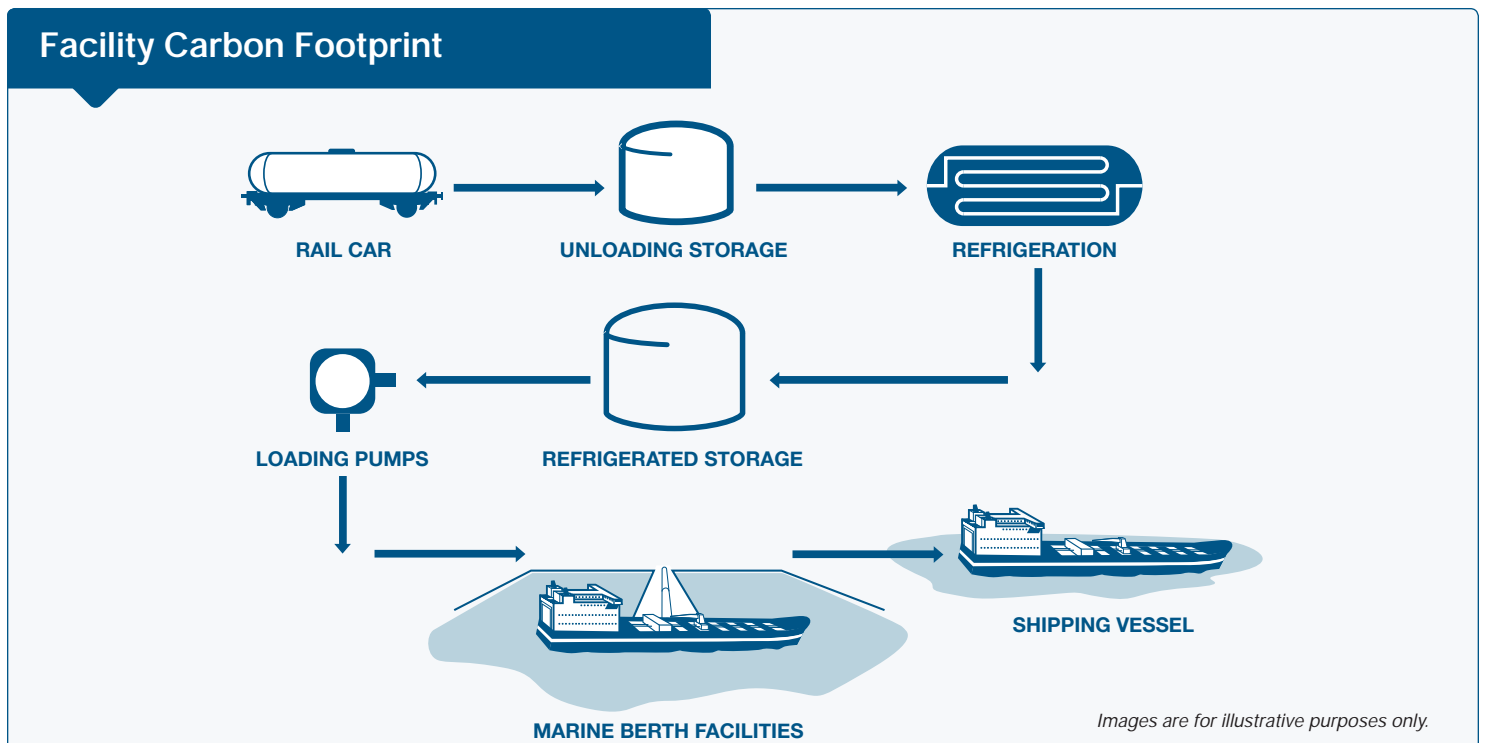


CLIMATE CHANGE

Pembina understands the need to address climate change. Clean burning fossil fuels like propane play a significant role in reducing greenhouse gases and particulate emissions in our transportation systems, farming and manufacturing processes, and home heating and cooking sources.

We envision contributing to efforts in Portland that provide greater community resiliency in the face of climate change and help meet the city's climate goals. By embracing propane and propane exports, Portland will be contributing to the use of clean fuel at home and abroad in transportation, manufacturing, residential space heating and cooking.

Since propane is a clean fuel that can reasonably be expected to displace more carbon-intensive fuels, Pembina is confident that this facility is a step in the right direction globally.



Pembina's Portland export facility will have a small local carbon footprint. Liquid propane will be shipped by rail to the facility, piped into unloading containers, refrigerated and then placed in large double-walled storage tanks until it can be piped onto ships arriving at the rate of twice per month. The liquid propane will be conveyed in a closed-loop system. Any fugitive vapors in the transshipment process will be captured and re-refrigerated to avoid any loss.

Pembina will purchase renewable energy to power the facility and its operations. The site will be designed so trains are easily broken up and reassembled, minimizing the amount of time diesel train engines are on site. The ships used to transport propane are newer ships that use electricity from the dock rather than idling while at berth.

“ Pembina will purchase renewable energy to power the facility and its operations.”

CLIMATE CHANGE

Propane Benefits

A U.S. Clean Cities case study confirms the environmental and economic benefits of converting school buses from diesel to propane. School buses in Portland run on cheaper, cleaner propane and cut greenhouse and particulate emissions on every necessary mile they travel.



School buses demonstrate the much wider benefits possible – in America, in China and globally – of displacing dirtier energy sources in vehicles with propane.

A significant source of energy consumption – and carbon emissions – is in heating and cooking in rural areas throughout the world with no access to electricity and no distribution system for natural gas. These people use wood, coal and oil to warm their homes and feed their families.

Propane, which powers stoves and can be safely delivered in cylinders, is a practical, affordable substitute that can collectively cut greenhouse gas and particulate emissions for literally billions of people. There is no better example of propane's mobility than in the food carts that dot and distinguish Portland's downtown.



In North America propane use has led to a burgeoning U.S. propylene industry, producing the cheapest and cleanest sourced propylene in the world. China and other Asian countries use coal to generate 'syngas' for propylene production.

Moving to propane as a feedstock would be a cleaner, more environmentally friendly alternative to the methods being used today.



“ There is no better example of propane's mobility than in the food carts that dot and distinguish Portland's downtown. ”

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ENVIRONMENTAL MANAGEMENT

Proposed Site



“ Pembina is conducting environmental studies and work to ensure the facility is constructed and operated in a safe, sustainable manner. ”

We understand that we have a responsibility to minimize our environmental footprint at our proposed Portland facility. Pembina employs an Environmental Management System to minimize and manage the impact our projects and operations have on the natural environment.

Pembina deploys environmental inspectors and specialists in the field during construction to assure environmental compliance and assist in mitigating environmental concerns that may arise.

We will design and operate this facility responsibly. We will minimize environmental impacts, mitigate impacts that do occur and listen to and act on residents' concerns.

Potential impacts of the project have been minimized by:

- The selection of this site, as: it is already developed; is zoned for heavy industrial use; has an existing berth; is more than a mile from the nearest residential area and leverages existing infrastructure.
- With the exception of the pipe trestle to the berth, additional impacts to the riparian habitat are not expected.
- Greenhouse gas emissions will be limited as the facility will operate in a closed-loop system and will be powered by renewable electricity.
- There will be no propane processing at this site.

Pembina is conducting environmental studies and work to ensure the facility is constructed and operated in a safe, sustainable manner.

ENVIRONMENTAL MANAGEMENT

Understanding the Ezone

Environmental Overlay Zone (Ezone)

The City is recommending an amendment to the Environmental Overlay Zoning code to make it consistent with permitted rail and truck commodities crossing similar environmental zones in the harbor every day. Under the City's current zoning code, commercial operators are allowed to transport propane across a dock to a ship by truck or train, but not through piping – a consistently safe and emission-free means of transportation.

The proposal is only for the piping system needed to move propane from the shore to the ship. The piping from the holding tanks to the dock, to load propane onto export ships, will be on above-ground supports along the access road to the existing marine berth.

Building Outside the Ezone

Proposed facility infrastructure has been located to avoid the currently mapped Ezone. The only equipment that will intersect the current zone is the piping trestle that crosses the zone to the dock. Any in-water work to modify the existing berth for ships will occur in the current Ezone, as it extends to the face of Berth 607.

“ Ezone and in-water impacts will be minimized and mitigated appropriately. ”



National Environmental Policy Act (NEPA)

The scope of in-water components requiring approval are expected to be limited in nature and potential effects. However, based upon current design concepts, Pembina anticipates the NEPA process will be triggered due to the federal permits required from the U.S. Army Corps of Engineers for the in-water components of the project.

Enhancement and Mitigation

Pembina is working with the Bureau of Environment Services to identify a suitable project in the local area to mitigate any project impacts to areas of unprotected grassland habitat on the site.

Contact Information

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For more information on environmental management, please visit: www.pembina.com/propaneterminal



PERMITS REQUIRED

Dated: February 2, 2015

In late 2014, Pembina and the Port of Portland started due diligence work to evaluate the Terminal 6 location for the proposed project. This work involved identifying permits and approvals that may be required to construct and operate the project facilities.

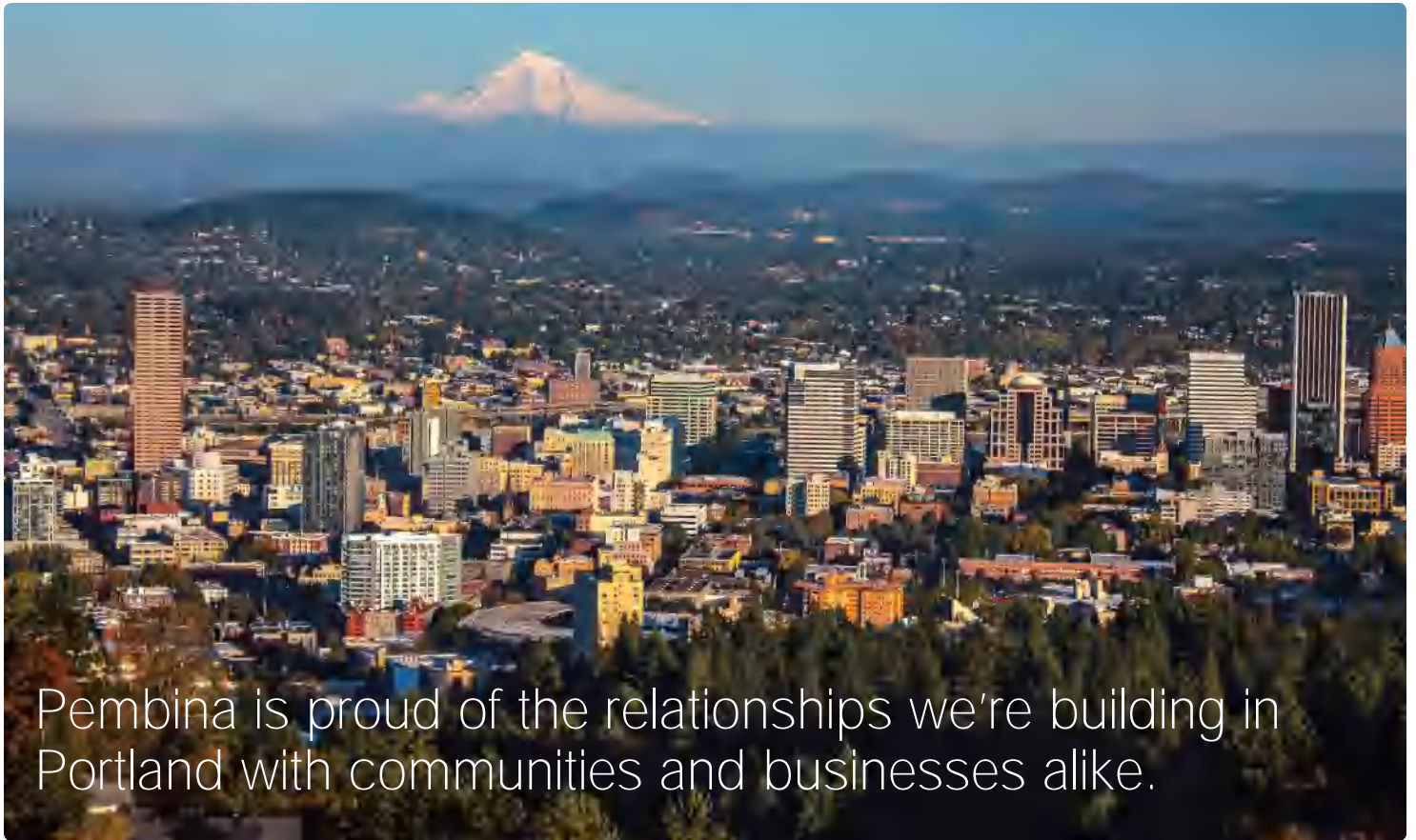
The Environmental Overlay Zone (Ezone) amendment by the City of Portland is the first step in a rigorous design and permitting process. The project is subject to municipal, state and federal permitting requirements and many of these processes provide opportunities for public comment. Pembina will be working to minimize and mitigate any potential project impacts; these efforts will be reflected in the relevant permit applications.

The table below identifies the regulatory authorities, their relevant permits and the types of impacts assessed in their regulatory reviews. This list of permits may change as the project's detailed designs are completed.

Regulator	Permit or Outcome	Description
FEDERAL		
Federal Aviation Administration	Determination of No Hazard for Air Navigation	Assesses and confirms safety of the flare stack relative to the flight paths of planes landing at the Portland Airport.
U.S. Coast Guard	Letter of Recommendation for the Waterway Suitability Assessment	The Waterway Suitability Assessment evaluates safety and security risks for the ships from the time they enter the territorial waters of the United States (12 nautical miles offshore), to the berth and while at the berth, and makes relevant recommendations to manage any identified risks.
U.S. Army Corps of Engineers	Permit under s.404 of the <i>Clean Water Act</i> and/or s.10 of the <i>Rivers and Harbors Act</i>	This review will assess the potential for impacts to in-water habitat, endangered species, water quality, and cultural resources associated with the project. As part of this permit process, it is anticipated the U.S. Army Corps of Engineers will complete a review under the National Environmental Policy Act (NEPA).
STATE		
Oregon Department of Environmental Quality	Air Contaminant Discharge Permit under Oregon's Air Quality Program	This review will assess potential impacts to air quality as a result of the facility operation.
	<i>Clean Water Act</i> s.401 Certification	This certification process assesses the potential impacts to water quality from activities in U.S. waters.
	1200-C Construction Stormwater General Permit	This review assesses the management and potential off-site impacts of stormwater during construction of the project.
	1200-Z Industrial General Stormwater Permit	This review assesses the potential impacts of any modified or new stormwater discharges required for the facility during operations.
Oregon Department of State Lands	Removal-Fill Permit under Oregon Revised Statutes	This review assesses the potential impacts associated with project in-water activities involving the removal or discharge of material as the bed and shore are state lands.
CITY		
City of Portland	Environment Permit	Permits new development within the mapped boundaries of the Ezone, which include: upland area on the site, as well as development to the face of the berth. This review will assess potential environmental impacts within the Ezone (riparian habitat, wildlife habitat, floodplain) and required mitigation.
	Site Development Permit	Permit for entire development on the site including within the Ezone and will also include the more detailed plumbing, electrical and utility permits. This review will assess riparian habitat, wildlife habitat, floodplain considerations, seismic design requirements, stormwater management, fire and design safety, and other detailed design requirements. The State Fire Marshall will assist the City in their review process.
	Urban Forestry Tree Permit	Assesses the proposed removal of any trees for the project and mitigation for tree removal.



"WHAT THEY SAY"



Pembina is proud of the relationships we're building in Portland with communities and businesses alike.

Here is what some people are saying about Pembina and our proposed project.

**Curtis Robinhold, Deputy Director
Port of Portland**

"Pembina's **\$500 million investment** represents a significant potential influx of city, county and state tax revenue. In fact, it would be the **largest single private capital investment** in the city's history."

**Sandra McDonough, President and CEO
Portland Business Alliance**

"Traded-sector industries bring new money into our local economy, and support local and small businesses by creating spin-offs and niche industries to support larger firms. Our *Value of Jobs* studies show that **for every one traded-sector job, two local jobs are created**. Local businesses will have the opportunity to provide services, in a range of areas, related to the construction of the project."

**John Mohlis, Executive Secretary
Oregon State Building Trade Council**

"Within ten minutes of sitting down with Pembina, they made it very clear that the **number one priority** and **commitment** within their company was **safety**."

**Janet Labar, President and CEO
Greater Portland Inc.**

"Increased foreign direct (FDI) investment will result in **job and export growth**, and Pembina's energy project is reflective of FDI impact within our region. Pembina estimates that this project would **generate almost \$92 million** in property taxes over the next decade and **create up to 40 new jobs**. In addition, the city and region would feel a more immediate economic stimulus from the creation of **800 construction jobs**."

"WHAT THEY SAY"

Michael Haynes, Account Manager
AmeriGas Propane

"Propane will not harm people or the environment and its harmless attributes are **eco-friendly**. In fact, propane is listed as an approved clean fuel by U.S. Government energy policy makers and energy administrative bodies."

Sandra McDonough, President and CEO
Portland Business Alliance

"The direct jobs will pay about twice the average of industrial jobs in the region and nearly **four times the wages** paid for retail and service sector jobs. These are precisely the type of middle-income jobs we need to address income polarization in our region."

Willy Myers, Executive Secretary & Treasurer
Columbia Pacific Building Trades Council

"The jobs created by this project will employ our members, **further our apprenticeship programs**, produce hours for our apprentices and keep our Port with an open for business sign up."

Baron Glassgow, Executive Director
Pacific Propane Gas Association

"Propane-powered school buses have become very popular with bus drivers, as they are **cleaner burning**, they do not have that "diesel exhaust" smell and they are quieter than a diesel powered bus, thus allowing them a better feel for traffic conditions in rainy weather. Not to mention the **cost-saving** on both the fuel itself and the maintenance improvements for each vehicle that uses **cleaner burning propane**."

Curtis Robinhold, Deputy Director
Port of Portland

"This project is a **great match for our community** and propane has a long and safe history of being transported and used throughout the region. Most of the busses in the Portland Public Schools fleet run on propane. And most of the propane in your backyard barbeque, stove, lantern, boat or trailer already arrives here by rail as it has for decades."

Governor John Kitzhaber, Feb. 13, 2014
re: the Oregon Clean Fuels Advisory Committee

"We have the opportunity to **spark a homegrown clean fuels** industry right here in Oregon – an industry with a **big impact in communities** urban and rural alike."

John Mohlis, Executive Secretary
Oregon State Building Trade Council

"This project will provide a number of great opportunities for young people to choose a craft for their career, serve time working on this project and they will be turned out knowing a craft that they can make a **good wage with good benefits** for the rest of their lives."

Kelly Ross, Executive Director – NAIOP, the Commercial Real Estate Development Association (Oregon Chapter)

"As the individuals and companies most closely involved with industrial real estate uses within Portland, NAIOP's members are very **comfortable with the compatibility** of Pembina's proposed project."

Joe Westby, Director of Operations
Ferrellgas

"The EPA classifies propane as a **clean, alternative fuel source**, and it is viewed as a transition fuel for many applications. It is non-toxic, and it is not harmful to air, soil or water. Combustion of propane produces 13% less CO₂ than burning oil and 34% less CO₂ than burning coal. When propane is used in manufacturing of plastics, it does not generate CO₂ emissions. Propane is well aligned with the tenets of President Obama's "Climate Action Plan" and it can be a key asset as the U.S. seeks to achieve its clean energy and climate change goals."

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