



**THE NORTHWEST
SEAPORT ALLIANCE**
Gateway to Solutions

**NORTHWEST SEAPORT ALLIANCE
REQUEST FOR PROPOSALS
No. 070459**

**2016 PUGET SOUND MARITIME EMISSIONS
INVENTORY DEVELOPMENT**

Issued by
Northwest Seaport Alliance
P.O. Box 2985
Tacoma, WA 98401-2985

RFP INFORMATION	
Contact:	Juli Tuson, Procurement
Email Addresses:	procurement@portoftacoma.com
Phone:	(253) 383.9436
Submittal Date	NOVEMBER 15, 2016 @ 2:00PM (PST)

**PLEASE SUBMIT ALL CORRESPONDENCE AND PROPOSALS VIA
E-MAIL DIRECTLY TO THE PROCUREMENT CONTACT LISTED ABOVE AND
INCLUDE '2016 PSEI INVENTORY DEVELOPMENT' IN THE SUBJECT LINE**

**Northwest Seaport Alliance
Request for Proposals (RFP)
2016 Puget Sound Maritime Emissions Inventory**

The Northwest Seaport Alliance (NWSA) is soliciting proposals from firms qualified and interested in updating the Puget Sound Maritime Emissions Inventory (PSEI).

By responding to this RFP, the Proposer agrees that he/she has read and understands the requirements and all documents within this RFP package. See Attachment A for additional instructions.

A. BACKGROUND

NWSA: The NWSA is a marine cargo operating partnership of the Ports of Seattle and Tacoma. Combined, the ports are the fourth-largest container gateway in North America. The NWSA regional marine cargo facilities are a major center for bulk, breakbulk, project/heavy-lift cargoes, automobiles and trucks.

To learn more about The Northwest Seaport Alliance, visit www.nwseaportalliance.com.

By submitting a Proposal, the Proposer represents that they have carefully read and agree to be bound by the NWSA's Standard Terms and Conditions. Identify, during the question submittal and response period, any sections you consider onerous, clarify why you consider these sections onerous, propose alternative language and describe why it is in the NWSA's best interests to adopt the alternative language.

The NWSA's Standard Terms and Conditions are included as Attachment B to this RFP.

PSEI: In 2005, the partners in the Puget Sound Maritime Air Forum, consisting of the Port of Anacortes, Port of Everett, Port of Olympia, Port of Port Angeles, Port of Seattle, Port of Tacoma, Washington State Ferries, Puget Sound Clean Air Agency, Western States Petroleum Association, Pacific Merchant Shipping Association, and others, collaborated on the development of a baseline PSEI. The baseline 2005 PSEI formed the basis of a Northwest Ports Clean Air Strategy (Clean Air Strategy). This was a collaborative approach led by the Ports of Seattle and Tacoma in Washington State and the Port of Vancouver in British Columbia, to reduce maritime, port-related emissions that affect air quality and climate change in the Pacific Northwest.

The 2011 PSEI update consisted of the same Puget Sound Airshed boundary delineated in the 2005 PSEI, and the quantitative results were evaluated against the 2005 baseline emission inventory to assess the effectiveness of the emission reduction activities and air quality improvement progress made since January 2006. The 2011 PSEI provided the benchmark for future emission reduction efforts by Ports, the marine industry, and the regulators.

The NWSA is requesting proposals to complete a 2016 PSEI emission inventory including data collection, emission calculations, and a final report. As part of the emission inventory development, the consultant should develop an emissions scenario tool as described in section C.8 and Attachment E of this request for proposal. The purpose of the tool is to test “What-If” scenarios to evaluate the effectiveness of potential emission reduction projects or initiatives.

The proposed project schedule is as follows:

Contract Services Secured:	4 th Quarter 2016
Data Collection Completed:	1 st Quarter 2017
Draft Reports Review:	2 nd Quarter 2017
Final Report Complete :	3 rd Quarter 2017
Scenario Evaluation Tool	4 th Quarter 2017

B. SCOPE OF SERVICES

The NWSA is requesting written proposals and pricing from firms, teams, and/or individual respondents to provide consulting services to conduct the 2016 Puget Sound Marine Emissions Inventory update for the same Puget Sound Airshed boundary delineated in the 2005 and 2011 PSEI. Quantitative results will be evaluated against the 2005 baseline and the 2011 benchmark to assess the effectiveness of the emission reduction and air quality improvement progress made. As a result of this Request For Proposal, the NWSA expects to issue one contract to a consulting firm, team, and/or individual respondent.

The purpose of the PSEI is to quantify air emissions related to maritime activities in the Puget Sound Airshed which occurred in calendar year 2016 and to compare results to the 2005 baseline and the 2011 benchmark emission inventory. Fugitive emissions will not be considered in this inventory.

In responding to this Request for Proposal, the Consultant should review the 2005 and 2011 methodology and provide costs associated with calculating an updated 2016 PSEI for each sector and for each Port for that sector, using current data and throughputs. The 2005 and 2011 PSEI may be reviewed at the following location:

<https://pugetsoundmaritimeairforum.wordpress.com/>.

C. PROJECT DELIVERABLES

- 1. Summarize the methodology used in the 2005 and 2011 PSEI and recommend revisions as needed.**

Prior to January 31, 2017, the Consultant will meet with the Puget Sound Marine Emissions Inventory Project Funding Committee, hereafter, the “Project Funding Committee” (a team representing each participating entity) and individually as “Members,” and summarize the methodology used to generate the 2005 and 2011 PSEI. The Consultant will identify any potential gaps or flaws in the previous methodology and recommend any significant changes to the methodology. Consistency with the previous inventory is desired, unless there are significant issues or concerns that would arise from duplicating the previous methodology. Methodology must incorporate the need for data outputs to be made available in a format and level of detail suitable for submittal to EPA for the National Emission Inventory (NEI) (please see Attachment C for NEI data output and format requirements).

- 2. Finalize 2016 emission calculation methodology and data collection procedures.**

Prior to February 13, 2017, the Consultant will meet with the Project Funding Committee to finalize the following:

- Finalize the boundaries of the inventory. It is expected that the boundaries of the inventory will be identical to the 2011 inventory.
- Finalize methodology for emission inventories for each of the following pollutants (data outputs must be in a format and level of detail suitable for submittal to EPA for the National Emission Inventory (NEI). Please see Attachment C for NEI data output and format requirements):
 - Nitrogen Oxides (NOX)
 - Volatile Organic Compounds (VOCs)
 - Particulates (PM2.5, PM10, diesel particulate matter (DPM10) and Black Carbon)
 - Carbon monoxide (CO)
 - Sulfur dioxide (SO2)

vii. Greenhouse Gas (GHG) emissions from maritime combustion sources including:

- Methane
- Carbon dioxide
- Nitrous oxide

Resultant GHG emissions will be expressed in carbon dioxide equivalents and will include direct emissions only.

Because other GHG emissions do not result from maritime combustion activities, or they are deemed insignificant, the following GHGs are excluded from the scope of the Consultant:

- Sulfur hexafluoride
- Hydrofluorocarbons
- Perfluorocarbons

- c. Finalize the scope of data to be collected by the Consultant and what assistance is necessary from Project Funding Committee.
- d. If the final 2016 methodology is different from 2005 and 2011 methodology, propose a methodology to the Funding Committee for updating the prior 2005 and 2011 emission inventory.

3. **Data Collection**

The Consultant will be responsible for data collection, and will need to coordinate the data collection efforts with data providers.

The Consultant will coordinate data collection efforts with the tenant/data source providers associated with the facilities and activities described in the tables included in Attachment D. Coordination includes initial contact with the tenants/data source providers, a template for the tenants/data source providers to complete, brief discussion on the data sets to ensure that the tenants/data source providers understand what is needed, address questions from the tenant/data source providers and field questions and status request from the project manager.

The Consultant will review the data for gaps and obvious inconsistencies, and communicate with the tenants/data source providers any questions or clarifications regarding the data. The Consultant will move the data into Microsoft Excel if the data is not already in that format.

The Consultant will complete data collection by the end of the 1st Quarter 2017 unless an alternate schedule is approved by the Project Funding Committee.

Data or information provided by a third party under a confidentiality agreement must be approved by the Project Funding Committee prior to purchase or use.

4. Data Review and Progress Reports

The Consultant will review PSEI progress on a monthly basis and prepare methodology and data collection analysis reports. A monthly report will be submitted to, and reviewed with, the NWSA Project Manager. A quarterly summary report, including recommendations, will be presented to the Project Funding Committee during the last month of each quarter. The Consultant will flag any data gaps or data that does not seem reasonable and notify the Project Funding Committee. If the Consultant determines that a flaw significantly impacting the analysis is present at any time during review process, the Consultant will immediately notify the NWSA Project Manager of the flaw and make recommendations for immediate action.

5. Meetings

The Consultant will attend meetings with the Project Funding Committee, NWSA Project Manager or technical workgroups via conference calls or in person as requested by the NWSA Project Manager until the project is completed. Meetings are not expected to exceed 90 minutes in length and may occur twice per month. All meetings with the Project Funding Committee Members, or project stakeholders, by phone or in person, must be approved by the NWSA Project Manager.

6. Complete 2016 PSEI and update 2005 and 2011 PSEIs

The Consultant will calculate emissions and complete the 2016 and update the prior 2005 and 2011 emissions inventories using the methodologies agreed upon in Task 2.

7. Draft and Finalize Report

The Consultant will review the 2011 & 2005 PSEI report and provide a 2016 PSEI report comparable in context and content. The 2016 PSEI will include emissions comparisons to the 2005 and 2011 PSEI for each organization, site, and region reported in the previous inventory.

The Consultant will provide an outline of the report for the Project Funding Committee to consider. The consultant will consider that the audience for the PSEI is both technical and non-technical and that the report needs to be clearly written with graphics to illustrate trends, relative contributions of each source, broken out by sector and port. The Consultant will clarify what goes into appendices vs. in main body of document.

The Consultant will deliver up to three (3) draft PSEI reports and solicit comments from the Project Funding Committee and technical reviewers selected by the Project Funding Committee. The report should include all methodologies, assumptions, and references for all values used in the models and calculations used in developing the emission inventory. These assumptions and references can be included as an appendix and do not need to be in the main body of the report.

The Consultant will prepare a final PSEI report by the end of the 3rd quarter 2017, and provide one (1) electronic (PDF file on CD) and one (1) hard copy (bound, color and double-sided on recycled products) to the NWSA Project Manager.

The Consultant shall also provide all Members a copy of the document in unprotected Microsoft Word format so that parts of the report can be easily copied into other documents as needed by the Members.

8. **Documentation**

The Consultant is to include in the report a description of methodologies, assumptions and references for all values used in models and calculations.

Sufficient documentation must be provided by the Consultant so recipients can understand how emissions were calculated and can reproduce the emission calculation.

Whether as a separate document or as part of an Emissions Scenario Tool, the Consultant is to provide the following in a commonly used format¹ :

- a. All factors used in calculating emissions for each piece of equipment including activity factors, emission factors, and other relevant factors, and all documentation of all factors used.
- b. All detailed emissions calculations.
- c. All tabular data included in appendices (e.g., Appendix B in the 2011 inventory) in a format commonly used for data processing and analysis

¹ Acceptable file formats include Microsoft Access, Excel and delimited text files.

The Consultant is to provide all model input and output files for all models used in determining emissions, emission factors or anything related to emissions (any non-default settings should be identified).

The emissions estimates are also to be provided in a format and level of detail suitable for submittal to EPA for the National Emission Inventory. Please see Attachment C for NEI data output and format requirements.

9. Emissions Scenario Evaluation Tools

For the purpose of this project, the emissions scenario evaluation tool is defined as a tool used to estimate the effect of speculative changes in operating or equipment parameters on the 2016 inventory results. The purpose of the tool is to test “What-If” scenarios to evaluate the effectiveness of potential emission reduction projects or initiatives.

The Consultant is to provide a scenario evaluation tool that is populated with all emission inventory data in a format that provides the Project Funding Committee Members the capability to estimate emissions based on data input changes from individual sources and source categories included in the 2016 PSEI. The desired capabilities of the tool are listed below. The consultant is required to complete and submit the Scenario Tool Requirements Form included as Attachment E.

- a. Save multiple scenarios.
- b. Determine emissions from each sector, each port, each sector of each port and an overall for the region.

List of Sectors

- Transiting OGVs
- Berth OGVs
- Harbor Craft (See attachment C, “Template HC tab” for a list of Harbor Craft types)
- Locomotives
- Heavy Duty Vehicles (Drayage Trucks)
- Cargo Handling Equipment
- Fleet Vehicles

- c. Be able to update or modify the inputs for any specific source (such as Vehicles/Vessels) included in the emission inventory.
- d. Be able to calculate changes for groups of vehicles/vessels by changing activity levels (hours of operation or fuel used), efficiency of engines (engine age or engine tier), and fuel type
- e. Be able to calculate changes by using a control factor.
- f. Can be populated with 2005 and 2011 data

D. PROPOSAL ELEMENTS & EVALUATION CRITERIA:

Proposals should present information in a straightforward and concise manner, while ensuring complete and detailed descriptions of the proposing team (to include the prime, key team members and major sub-consultants) and the team's ability to meet the requirements and provide the requested services of this RFP. The written proposals should be prepared in the same sequential order of proposal criteria as outlined below.

Proposals are limited to 8 numbered pages (8 ½ by 11 inch) **excluding** the cover letter, compensation information and all appendices. All pages shall be in portrait orientation with 1 inch (1") margins. Font size shall be 11 point or larger. Proposals that do not follow this format may be rejected.

The cover letter shall include the RFP Title and Number, Name, Title, Email Address, Phone Number and current Address of the submitting firm's main contact as well as the following:

Describe any claim submitted by any client against the prime firm within the past two years related to the professional services provided by the firm or its key personnel. For purposes of this request, "claim" means a sum of money in dispute in excess of 10% of the firm's fee for the services provided.

Describe any real or perceived conflicts of interests for team members, inclusive of the prime, sub-consultants and key team members.

Proposals are to address, and will be evaluated upon, the following criteria using a point system method of award:

1. INITIAL EVALUATION PHASE

a. Specialized Knowledge & Experience..... 35 PTS

- i. Ability and capacity of the firm and staff to perform the services requested in the scope of work.**

Identify the proposed team; demonstrate the team's knowledge and experience of the firm in performing marine air emission inventory work or similar work with tasks relevant to this proposed project. Include education, registrations, certifications and experience with marine air emission inventories.

Demonstrate the firm's ability to provide clear, concise, document that is comprehensible to both technical and nontechnical audience. Resumes of the key individuals may be included as an appendix and are not included in the total page count. Resumes are to be limited to one single-sided, letter-size page. Resumes exceeding this limit will not be reviewed.

The NWSA evaluators will evaluate the experience, technical competence and qualifications of the Key Personnel identified, their project specific roles and responsibilities, and overall organization of the project team. Emphasis will be placed on experience and expertise in performing work of similar scope and complexity.

ii. Experience with performing marine air emission inventory work or similar work with tasks relevant to this proposed project.

Include a list of recent projects in the last three years, to include a point of contact, contact information, and brief description, for services relevant to the items listed in the Scope of Services as performed by the key personnel. Only projects completed by members of the project team will be considered.

Provide examples of emissions scenario evaluation tools developed by the consultant for agencies to conducting maritime emission "What If" analysis. Only projects completed by members of the project team will be considered.

b. Project Approach Narrative..... 25 PTS

Submittals should clearly outline the team's recommended approach and methodology for accomplishing the Scope of Services. Clearly describe the approaches and methods that will be used to accomplish the tasks required in the scope of services. Include commitment of the firm to meet scope, schedule, and budget.

Submittals should clearly outline the team's recommended approach for data collection and data quality assurance.

Submittals should include a final work product from previous project showing the ability to present complicated information to a broad audience. For large documents, a link to a website or File Transfer Protocol (FTP) site is acceptable.

Submittals should include a schedule that provides a clear example of the team's availability and how the team will meet the NWSA's timeline.

c. Coordination & Communications 15 PTS

Provide a plan for communications and coordination between the Project Funding Committee, NWSA's project manager and the various stakeholders.

Provide information that shows the ability of the firm and the assigned team to communicate and work effectively with client firms, regulators and other stakeholders involved in the work.

d. Compensation 25 PTS

Compensation information MUST be provided separately from the proposal, in an individual document.

All rates quoted shall be:

- Firm, fully burdened, including, but not limited to, per diem, administrative overhead, travel, lodging, and transportation (all direct/indirect expenses included);
- Full cost inclusive of sales tax and other government fees, taxes and charges; and
- Valid throughout the contract period unless otherwise amended and agreed to by both parties in writing.

Provide a Cost for each of the following items:

- Task 1: Summarize the methodology used in the 2005 and 2011 PSEI and recommend revisions as needed.
- Task 2: Finalize 2016 emission calculation methodology and data collection procedures.
- Task 3: Emission Calculation
- Task 4: Data Review and Progress Report
- Task 5: Meetings
- Task 6: Complete 2016 PSEI and update 2005 and 2011 PSEIs
- Task 7: Finalize Report

- Task 8: Documentation
- Task 9: Emissions Scenario Evaluation Tool

Successful firms will be compensated according to a mutually acceptable fee structure. Please attach to your Proposal detailed information on the firm's proposed fee structure for the services proposed, for all fees, charges, expenses, etc. All rates quoted shall be full cost inclusive of sales tax and other applicable government fees, taxes and charges.

2. FINAL EVALUATION PHASE (if applicable)

a. Interviews (as requested by the NWSA).....100 PTS

If an award is not made based on the written evaluations alone, interviews may be conducted with the top-ranked proposers. Failure to participate in the interview process will result in the Proposer's disqualification from further consideration. Travel costs will not be reimbursed for the interview.

b. References (as requested by the NWSA).....50 PTS

If an award is not made based on the written evaluations and interviews, reference checks may be performed on the selected firm. The Evaluation Team may evaluate the reference checks to assess the proposed team's overall performance and success of previous, similar work. Reference checks may also be utilized to validate information contained in the proposal.

ATTACHMENT A – INSTRUCTIONS FOR PROPOSING

ATTACHMENT B – NWSA PERSONAL SERVICES CONTRACTS TEMPLATE & TERMS AND CONDITIONS

ATTACHMENT C – REQUIREMENTS FOR REPORTING PUGET SOUND EMISSION INVENTORY DATA TO EPA FOR THE NATIONAL EMISSION INVENTORY

ATTACHMENT D – DATA COLLECTION POINTS OF CONTACT, LEAD ROLES AND SITES

ATTACHMENT E – REQUIREMENTS FOR THE EMISSIONS FORECASTING TOOL

PROCUREMENT PROCESS

SOLICITATION TIMELINE:

Issuance of RFP	OCTOBER 14, 2016
Last Day To Submit Questions	OCTOBER 28, 2016
Proposal packets due	NOVEMBER 15, 2016 @ 2:00 PM (PST)
Short List Consultants*	NOVEMBER 29, 2016
Interviews (if necessary)*	WEEK OF DECEMBER 12, 2016
Final Selection*	DECEMBER 16, 2016
Execute Contract*	JANUARY 1, 2017

*Dates are tentative.

All status updates on the above solicitation timeline will be announced on the [Port of Tacoma's website for this solicitation](#).

VENDOR OBLIGATION

NWSA Requests for Bids, Requests for Proposals and Requests for Qualifications can be accessed on the Port of Tacoma's website, www.portoftacoma.com under 'Contracts'; 'Procurements'.

When viewing the details page for this procurement on the Port of Tacoma's website, firms have the option of subscribing to the Holder's List.

 **Holders list →**

By subscribing to the Holder's List, firms will automatically be notified when new documents or changes relating to this procurement occur.

***Only those who have subscribed to the Holder's List will receive notifications throughout the procurement process, up until a firm is selected.**

COMMUNICATION / INQUIRIES

Proposers who, relative to this scope of services, contact any individuals or Commission members representing the NWSA, other than the Procurement Representative listed on the RFP may be disqualified from consideration.

Written questions about the meaning or intent of the Solicitation Documents shall only be submitted to the Procurement Department, procurement@portoftacoma.com (**2016 PUGET SOUND MARITIME EMISSIONS INVENTORY DEVELOPMENT** in the subject line).

Proposers who may have questions about provisions of these documents are to email their questions by the date listed above. The NWSA will respond to all written questions submitted by this deadline.

ADDENDA

The NWSA may make changes to this Solicitation. Oral or other interpretations, clarifications or submittal instructions will be without legal effect. Any information modifying a solicitation will be furnished in a formal, written addendum. If at any time, the NWSA changes, revises, deletes, increases, or otherwise modifies the Solicitation, the NWSA will issue a written Addendum to the Solicitation. Addenda will be posted to the Port of Tacoma's web site and conveyed to those potential submitters who have requested to be placed on the Holder's List.

SUBMITTAL PROCESS

Proposals must be received via email on or before the date and time outlined on the front page of this RFP. Send your electronic submittal to:

procurement@portoftacoma.com.
Name of Firm, RFP Title (Subject Line)

Please submit proposal, including all appendices and compensation in separate Adobe Acrobat PDF format. Submittals need to be limited to **9 MB in total email size**. It is the Consultant's responsibility to verify the receipt of the submittal. Electronic verification will be provided upon request.

***Late proposals will not be accepted by the NWSA. Proposals received after the stated date and time will not be reviewed and shall be deemed non-responsive.**

All proposals submitted shall be valid and binding on the submitting firm for a period of ninety days following the Proposal submittal deadline and for any extension of time granted by the submitting firm.

EVALUATION AND AWARD PROCESS

An evaluation team will review each proposal and evaluate all responses received based upon the criteria listed herein. The NWSA may request clarifications or additional information, if needed. After the evaluation team individually scores each proposal, the scores are tallied and the firms are ranked based on the scores.

A selection may be made based on the proposals and initial evaluation criteria alone. Alternatively, the evaluation team may create a short list of the top ranked firms and invite the short listed firms in for interview and/or check references. Scores for reference checks and interviews will be tallied and added to the short listed firm's initial evaluation scores. Final selection will be based on reference checks and interviews.

The NWSA intends to select the Proposer who represents the best value to the NWSA and begin the negotiation and award process based on the evaluated scores.

The selected Consultant will be invited to enter into contract negotiations with the NWSA. Should the NWSA and the selected firm(s) not reach a mutual agreement, the NWSA will terminate negotiations and move to the next highest ranked firm and proceed with negotiations.

The NWSA reserves the right to accept or reject any or all information in its entirety or in part and to waive informalities and minor irregularities and to contract as the best interest of the NWSA may require. The NWSA reserves the right to reject any or all Proposals submitted as non-responsive or non-responsible.

Procedure When Only One Proposal is received

In the event that a single responsive proposal is received, the Proposer shall provide any additional data required by the NWSA to analyze the proposal. The NWSA reserves the right to reject such proposals for any reason.

GENERAL INFORMATION

News releases pertaining to this RFP, the services, or the project to which it relates, shall not be made without prior approval by, and then only in coordination with, the NWSA.

COSTS BORNE BY PROPOSERS

All costs incurred in the preparation of a Proposal and participation in this RFP and negotiation process shall be borne by the proposing firms.

SMALL BUSINESS AND DISADVANTAGED BUSINESS OPPORTUNITIES

The NWSA encourages participation in all of its contracts by MWBE firms certified by the Office of Minority and Women's Business Enterprises (OMWBE). Participation may be either on a direct basis in response to this solicitation/invitation or as a subcontractor to a Bidder/Proposer. However, unless required by federal statutes, regulations, grants, or contract terms referenced in the contract documents, no preference will be included in the evaluation of bids/submittals, no minimum level of MWBE participation shall be required as a condition for receiving an award and bids/submittals will not be rejected or considered non-responsive on that basis. Any affirmative action requirements set forth in federal regulations or statutes included or referenced in the contract documents will apply. The selected firm will be required to show evidence of outreach.

PUBLIC DISCLOSURE

Proposals submitted under this Solicitation will be considered public documents and, with limited exceptions, will become public information and may be reviewed by appointment by anyone requesting to do so following the conclusion of the evaluation, negotiation, and award process. This process is concluded when a signed contract is completed between the NWSA and the selected Consultant.

If a firm considers any portion of its response to be protected under the law, the vendor shall clearly identify each such portion with words such as "CONFIDENTIAL," "PROPRIETARY" or "TRADE SECRET" on each page for which the protection is sought. If a request is made for disclosure of such portion, the NWSA will notify the vendor of the request and allow the vendor not less than ten (10) days to seek a protective order from the Courts or other appropriate remedy and/or waive the claimed confidentiality. Unless such protective order is obtained and provided to the NWSA by the stated deadline, the NWSA will release the requested portions of the Proposals. By submitting a response the vendor assents to the procedure outlined in this paragraph and shall have no claim against the NWSA on account of actions taken under such procedure.

Northwest Seaport Alliance Terms And Conditions Personal Services Agreement

In consideration of the mutual covenants, obligations, and compensation to be paid by the NWSA to Consultant, it is agreed that:

1. Key Personnel

The Consultant and/or its subconsultants' key personnel, as described in its Consultant selection submittals, shall remain assigned for the duration of the Project unless otherwise agreed to by the NWSA.

2. Relationship of the Parties

Consultant, its subconsultants and employees, is an independent Contractor. Nothing contained herein shall be deemed to create a relationship of employer and employee or of principal and agent.

3. Conflicts of Interest

Consultant warrants that it has no direct or indirect economic interest which conflicts in any manner with its performance of the services required under this Agreement. Consultant warrants that it has not retained any person to solicit this Agreement and has not agreed to pay such person any compensation or other consideration contingent upon the execution of this Agreement.

4. Compliance with Laws

Consultant agrees to comply with all local, state, tribal and federal laws and regulations applicable to the project, including building codes and permitting regulations existing at the time this Agreement was executed and those regarding employee safety, the work

place environment, and employment eligibility verifications as required by the Immigration and Naturalization Service. Consultant shall obtain all professional licenses and permits required to complete the scope of work as defined.

5. Records and other Tangibles

Until the expiration of six years after the term of this Agreement, Consultant agrees to maintain accurate records of all work done in providing services specified by the Agreement and to deliver such records to the NWSA upon termination of the Agreement or otherwise as requested by the NWSA.

6. Ownership of Work

The services to be performed by Consultant shall be deemed instruments of service for purposes of the copyright laws of the United States. The NWSA has ownership rights to the plans, specifications, and other products prepared by the Consultant. Consultant shall not be responsible for changes made in the models, programs, reports or other products by anyone other than the Consultant. Consultant shall have free right to retain, copy and use any tangible materials or information produced but only for its own internal purposes. Use of models, programs, reports or other products prepared under this Agreement for promotional purposes shall require the NWSA's prior consent.

7. Disclosure

All information developed by the Consultant and all information made available to the Consultant by the NWSA, and all analyses or opinions reached by

the Consultant shall be confidential and shall not be disclosed by the Consultant without the written consent of the NWSA.

8. Compensation

As full compensation for the performance of its obligations of this Agreement and the services to be provided, the NWSA shall pay Consultant as specified in the Agreement.

9. Payment Schedule

Consultant shall submit detailed numbered invoices showing contract number, description of work items being invoiced, title of project, total authorized, total current invoice, balance of authorization, hours, hourly rate by the 10th of the month to be paid by the end of the current month, unless other terms are agreed to by the parties.

10. Costs and Disbursements

Consultant shall pay all costs and disbursements required for the performance of its services under this Agreement.

11. Insurance - Assumption of Risk

a) As a further consideration in determining compensation amounts, the Consultant shall procure and maintain, during the life of this Agreement, such commercial general and automobile liability insurance as shall protect Consultant and any subconsultants performing work under this Agreement from claims for damages from bodily injury, including death, resulting there from as well as from claims for property damage which may arise under this Agreement, whether arising from operations conducted by the Consultant, any subconsultants, or anyone directly or indirectly employed by either of them.

- b) With respect to claims other than professional liability claims, Consultant and its subconsultants agree to defend, indemnify and hold harmless the NWSA, its appointed and elective officers and its employees from and against any and all suits, claims, actions, losses, costs, penalties and damages of whatever kind and nature, including attorney fees and costs by reason of any and all claims and demands on it, its officers and employees, arising from the negligent acts, errors or omissions by the Consultant in the performance of the Consultant's professional services.
- c) With respect to professional liability claims only, Consultant and its subconsultants agree to indemnify and hold harmless the NWSA, its appointed and elective officers and its employees from and against any and all suits, claims, actions, losses, costs, penalties and damages of whatever kind and nature, including attorney fees and costs by reason of any and all claims and demands on it, its officers and employees, arising from the negligent acts, errors or omissions by the Consultant in the performance of the Consultant's professional services.

12. Standard of Care

Consultant shall perform its work to conform to generally accepted professional standards. Consultant shall, without additional compensation, correct or revise any errors or omissions in such work.

13. Time

Time is of the essence in the performance by the Consultant of the services required by this Agreement.

14. Assignability

Consultant shall not assign any interest in this Agreement and shall not transfer any interest in the Agreement to any party without prior written consent of the NWSA.

15. Term of this Agreement

The effective dates of this Agreement are as specified. This Agreement may be terminated by the NWSA for cause when the NWSA deems continuation to be detrimental to its interests or for failure of the consultant to perform the services specified in the Agreement. The NWSA may terminate this Agreement at any time for government convenience in which case it shall provide notice to the Consultant and reimburse the Consultant for its costs and fees incurred prior to the notice of termination.

16. Disputes

If a dispute arises relating to this Agreement and cannot be settled

through direct discussions, the parties agree to endeavor to settle the dispute through a mediation firm acceptable to both parties, the cost of which shall be divided equally. The NWSA reserves the right to join any dispute under this Agreement with any other claim in litigation or other dispute resolution forum, and the Consultant agrees to such joinder, so that all disputes related to the project may be consolidated and resolved in one forum. Venue for any litigation shall be the Pierce County Superior Court of the state of Washington and the prevailing party shall be entitled to recover its costs and reasonable attorney's fees.

17. Extent of Agreement

This Agreement represents the entire and integrated understanding between the NWSA and Consultant and may be amended only by written instrument signed by both the NWSA and Consultant.

Attachment "A"

HOURLY RATES

**Consultant
Project Name**

<u>Personnel</u>	<u>Hourly Rates</u>
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Sr. Consultant 2	\$
Sr. Consultant 1	\$
Consultant 2	\$
Consultant 1	\$
Project 2	\$

All other fees will be paid per the Port of Tacoma Terms & Conditions.

Attachment C - Requirements for Reporting Puget Sound Maritime Emission Inventory data to EPA for the National Emission Inventory (NEI)

Introduction

EPA requires a level of detail and format for reporting data to them for use in the National Emission Inventory.

Below are those requirements.

Templates for each source category are found in the ***template*** tabs.

The proposer must provide the PSEI data in this detail and format in a spreadsheet.

TEMPLATES - Puget Sound Emission Inventory Reporting Templates

The template tabs contain the information necessary to report the emissions to EPA and become part of the National Emissions Inventory.

Use these templates to report emissions.

Emissions reporting templates (worksheets) are provided for:

OGV - Ocean-going vessels

HC - Harbor craft

CHE - Cargo-handling equipment

RR - Yard locomotives, and Line Haul locomotives on Port (don't need off-port Line Haul)

All Other - Heavy duty vehicles, light duty vehicles, pleasure craft

Source type level of detail

Except for heavy and light duty vehicles, emissions must be reported by source classification code (SCC).

The SCC codes describe sources and fuel types (see individual template worksheets).

Mode (cruise, maneuvering, hoteling, reduced speed zone) is also required.

HC are further reported by vessel type.

Geographic level of detail

OGV and HC require reporting by GIS shapes. (More information on the shapes is in the ***notes_GIS*** tab)

CHE and RR are reported by related port area, and rail yard.

All Other sources are reported by county.

Inapplicable rows in the templates

Not all location - source combinations in the templates exist. It is anticipated that many rows could have zero emissions.

SHAPEFILES - Shapefiles for reporting Ocean-going Vessel and Harbor Craft Emissions

Emissions must be reported by EPA shapefile ID for OGV and HC. EPA shapefiles for OGV and HC may be downloaded at:

<https://www.epa.gov/air-emissions-inventories/2014-national-emissions-inventory-nei-information>

Assigning emissions to shapefiles when there isn't a good match between the EPA shapefile and the PSEI locations:

1) Shipping Lane Emissions

Assign the arrival/departure lane emissions that lay outside the US boundary to the adjacent US county shape for ships calling at US ports. This will ensure that inbound and outbound vessel traffic associated with US ports is accounted for and no non-US vessel movements (vessel traffic to and from Canadian ports) are included in your estimates.

2) Port-related Emissions (primarily hotelling and maneuvering)

- a) If the emissions are near to the EPA shape, and don't cover a large area, assign port emissions to the closest shape for that port.
- b) If the emissions are not very near the EPA shape or cover a large area, we can work with EPA to add more shapes.

Of particular concern are locations of hotelling emissions. For Instance, in 2011 EPA modeled high risk in Clallam County because all the hotelling emissions in the county were allocated to the Port of Port Angeles, when much of the hotelling actually took place outside of port property at anchorage sites. The consultant worked with EPA and Ecology to add an additional shape to capture anchorage emissions. If this is the case in other areas, we need to add new shapes.

53009	Clallam	Port of Port Angeles	2270003010	Off-highway Diesel /Industrial Equipt /Aerial Lifts
53009	Clallam	Port of Port Angeles	2270003020	Off-highway Diesel /Industrial Equipt /Forklifts
53009	Clallam	Port of Port Angeles	2270003030	Off-highway Diesel /Industrial Equipt /Sweepers/Scrubbers
53009	Clallam	Port of Port Angeles	2270003040	Off-highway Diesel /Industrial Equipt /Other General Industrial Equipt
53009	Clallam	Port of Port Angeles	2270003050	Off-highway Diesel /Industrial Equipt /Other Material H&ling Equipt
53009	Clallam	Port of Port Angeles	2270003060	Off-highway Diesel /Industrial Equipt /AC/Refrigeration
53009	Clallam	Port of Port Angeles	2270003070	Off-highway Diesel /Industrial Equipt /Terminal Tractors
53009	Clallam	Port of Port Angeles	2270006005	Off-highway Diesel /Commercial Equipt /Generator Sets
53009	Clallam	Port of Port Angeles	2270006010	Off-highway Diesel /Commercial Equipt /Pumps
53009	Clallam	Port of Port Angeles	2270006015	Off-highway Diesel /Commercial Equipt /Air Compressors
53009	Clallam	Port of Port Angeles	2270006020	Off-highway Diesel /Commercial Equipt /Gas Compressors
53009	Clallam	Port of Port Angeles	2270006025	Off-highway Diesel /Commercial Equipt /Welders
53009	Clallam	Port of Port Angeles	2270006030	Off-highway Diesel /Commercial Equipt /Pressure Washers
53009	Clallam	Port of Port Angeles	2270006035	Off-highway Diesel /Commercial Equipt /Hydro-power Units
53009	Clallam	Port of Port Angeles	2270007010	Off-highway Diesel /Logging Equipt /Shredders : 6 HP
53009	Clallam	Port of Port Angeles	2270007015	Off-highway Diesel /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53033	King	Argo Rail Yard	2260002027	Off-highway Gasoline, 2-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53033	King	Argo Rail Yard	2260003030	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Sweepers/Scrubbers
53033	King	Argo Rail Yard	2260003040	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Other General Industrial Equipt
53033	King	Argo Rail Yard	2260006005	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Generator Sets
53033	King	Argo Rail Yard	2260006010	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Pumps
53033	King	Argo Rail Yard	2260006015	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Air Compressors
53033	King	Argo Rail Yard	2260006035	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Hydro-power Units
53033	King	Argo Rail Yard	2260007005	Off-highway Gasoline, 2-Stroke /Logging Equipt /Chain Saws : 6 HP
53033	King	Argo Rail Yard	2265002027	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53033	King	Argo Rail Yard	2265002045	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Cranes
53033	King	Argo Rail Yard	2265002060	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Rubber Tire Loaders
53033	King	Argo Rail Yard	2265002066	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53033	King	Argo Rail Yard	2265002072	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Skid Steer Loaders
53033	King	Argo Rail Yard	2265002081	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Other Construction Equipt
53033	King	Argo Rail Yard	2265003010	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Aerial Lifts
53033	King	Argo Rail Yard	2265003020	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Forklifts
53033	King	Argo Rail Yard	2265003030	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Sweepers/Scrubbers
53033	King	Argo Rail Yard	2265003040	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other General Industrial Equipt
53033	King	Argo Rail Yard	2265003050	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other Material H&ling Equipt
53033	King	Argo Rail Yard	2265003060	Off-highway Gasoline, 4-Stroke /Industrial Equipt /AC/Refrigeration
53033	King	Argo Rail Yard	2265003070	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Terminal Tractors
53033	King	Argo Rail Yard	2265006005	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Generator Sets
53033	King	Argo Rail Yard	2265006010	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pumps
53033	King	Argo Rail Yard	2265006015	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Air Compressors
53033	King	Argo Rail Yard	2265006025	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Welders
53033	King	Argo Rail Yard	2265006030	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pressure Washers
53033	King	Argo Rail Yard	2265006035	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Hydro-power Units
53033	King	Argo Rail Yard	2265007010	Off-highway Gasoline, 4-Stroke /Logging Equipt /Shredders : 6 HP
53033	King	Argo Rail Yard	2265007015	Off-highway Gasoline, 4-Stroke /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53033	King	Argo Rail Yard	2267002045	Off-highway LPG /Construction & Mining Equipt /Cranes
53033	King	Argo Rail Yard	2267002060	Off-highway LPG /Construction & Mining Equipt /Rubber Tire Loaders
53033	King	Argo Rail Yard	2267002066	Off-highway LPG /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53033	King	Argo Rail Yard	2267002072	Off-highway LPG /Construction & Mining Equipt /Skid Steer Loaders
53033	King	Argo Rail Yard	2267002081	Off-highway LPG /Construction & Mining Equipt /Other Construction Equipt
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53033	King	Argo Rail Yard	2267003020	Off-highway LPG /Industrial Equipt /Forklifts
53033	King	Argo Rail Yard	2267003030	Off-highway LPG /Industrial Equipt /Sweepers/Scrubbers
53033	King	Argo Rail Yard	2267003040	Off-highway LPG /Industrial Equipt /Other General Industrial Equipt
53033	King	Argo Rail Yard	2267003050	Off-highway LPG /Industrial Equipt /Other Material H&ling Equipt
53033	King	Argo Rail Yard	2267003070	Off-highway LPG /Industrial Equipt /Terminal Tractors
53033	King	Argo Rail Yard	2267006005	Off-highway LPG /Commercial Equipt /Generator Sets
53033	King	Argo Rail Yard	2267006010	Off-highway LPG /Commercial Equipt /Pumps
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53033	King	Argo Rail Yard	2268003040	Off-highway CNG /Industrial Equipt /Other General Industrial Equipt
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53033	King	Argo Rail Yard	2268006005	Off-highway CNG /Commercial Equipt /Generator Sets
53033	King	Argo Rail Yard	2268006010	Off-highway CNG /Commercial Equipt /Pumps
53033	King	Argo Rail Yard	2268006015	Off-highway CNG /Commercial Equipt /Air Compressors
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53033	King	Argo Rail Yard	2270002051	Off-highway Diesel /Construction & Mining Equipt /Off-highway Trucks
53033	King	Argo Rail Yard	2270002060	Off-highway Diesel /Construction & Mining Equipt /Rubber Tire Loaders
53033	King	Argo Rail Yard	2270002066	Off-highway Diesel /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53033	King	Argo Rail Yard	2270002069	Off-highway Diesel /Construction & Mining Equipt /Crawler Tractor/Dozers
53033	King	Argo Rail Yard	2270002072	Off-highway Diesel /Construction & Mining Equipt /Skid Steer Loaders
53033	King	Argo Rail Yard	2270002075	Off-highway Diesel /Construction & Mining Equipt /Off-highway Tractors
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53033	King	BNSF SIG Rail Yard	2265002060	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Rubber Tire Loaders
53033	King	BNSF SIG Rail Yard	2265002066	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53033	King	BNSF SIG Rail Yard	2265002072	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Skid Steer Loaders
53033	King	BNSF SIG Rail Yard	2265002081	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Other Construction Equipt
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53033	King	BNSF SIG Rail Yard	2265003070	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Terminal Tractors
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53033	King	BNSF SIG Rail Yard	2267002060	Off-highway LPG /Construction & Mining Equipt /Rubber Tire Loaders
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53033	King	BNSF SIG Rail Yard	2267002072	Off-highway LPG /Construction & Mining Equipt /Skid Steer Loaders
53033	King	BNSF SIG Rail Yard	2267002081	Off-highway LPG /Construction & Mining Equipt /Other Construction Equipt
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53033	King	BNSF SIG Rail Yard	2267006010	Off-highway LPG /Commercial Equipt /Pumps
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53033	King	BNSF SIG Rail Yard	2270002045	Off-highway Diesel /Construction & Mining Equipt /Cranes
53033	King	BNSF SIG Rail Yard	2270002051	Off-highway Diesel /Construction & Mining Equipt /Off-highway Trucks
53033	King	BNSF SIG Rail Yard	2270002060	Off-highway Diesel /Construction & Mining Equipt /Rubber Tire Loaders
53033	King	BNSF SIG Rail Yard	2270002066	Off-highway Diesel /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53033	King	BNSF SIG Rail Yard	2270002069	Off-highway Diesel /Construction & Mining Equipt /Crawler Tractor/Dozers
53033	King	BNSF SIG Rail Yard	2270002072	Off-highway Diesel /Construction & Mining Equipt /Skid Steer Loaders
53033	King	BNSF SIG Rail Yard	2270002075	Off-highway Diesel /Construction & Mining Equipt /Off-highway Tractors
53033	King	BNSF SIG Rail Yard	2270002081	Off-highway Diesel /Construction & Mining Equipt /Other Construction Equipt
53033	King	BNSF SIG Rail Yard	2270003010	Off-highway Diesel /Industrial Equipt /Aerial Lifts
53033	King	BNSF SIG Rail Yard	2270003020	Off-highway Diesel /Industrial Equipt /Forklifts
53033	King	BNSF SIG Rail Yard	2270003030	Off-highway Diesel /Industrial Equipt /Sweepers/Scrubbers
53033	King	BNSF SIG Rail Yard	2270003040	Off-highway Diesel /Industrial Equipt /Other General Industrial Equipt
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53033	King	BNSF SIG Rail Yard	2270006035	Off-highway Diesel /Commercial Equipt /Hydro-power Units
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53033	King	BNSF SIG Rail Yard	2270007015	Off-highway Diesel /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53033	King	Port of Seattle	2260002027	Off-highway Gasoline, 2-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53033	King	Port of Seattle	2260003030	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Sweepers/Scrubbers
53033	King	Port of Seattle	2260003040	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Other General Industrial Equipt
53033	King	Port of Seattle	2260006005	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Generator Sets
53033	King	Port of Seattle	2260006010	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Pumps
53033	King	Port of Seattle	2260006015	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Air Compressors
53033	King	Port of Seattle	2260006035	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Hydro-power Units
53033	King	Port of Seattle	2260007005	Off-highway Gasoline, 2-Stroke /Logging Equipt /Chain Saws : 6 HP
53033	King	Port of Seattle	2265002027	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53033	King	Port of Seattle	2265002045	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Cranes
53033	King	Port of Seattle	2265002060	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Rubber Tire Loaders
53033	King	Port of Seattle	2265002066	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53033	King	Port of Seattle	2265002072	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Skid Steer Loaders
53033	King	Port of Seattle	2265002081	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Other Construction Equipt
53033	King	Port of Seattle	2265003010	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Aerial Lifts
53033	King	Port of Seattle	2265003020	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Forklifts
53033	King	Port of Seattle	2265003030	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Sweepers/Scrubbers
53033	King	Port of Seattle	2265003040	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other General Industrial Equipt
53033	King	Port of Seattle	2265003050	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other Material H&ling Equipt
53033	King	Port of Seattle	2265003060	Off-highway Gasoline, 4-Stroke /Industrial Equipt /AC/Refrigeration
53033	King	Port of Seattle	2265003070	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Terminal Tractors
53033	King	Port of Seattle	2265006005	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Generator Sets
53033	King	Port of Seattle	2265006010	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pumps
53033	King	Port of Seattle	2265006015	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Air Compressors

53033	King	Port of Seattle	2265006025	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Welders
53033	King	Port of Seattle	2265006030	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pressure Washers
53033	King	Port of Seattle	2265006035	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Hydro-power Units
53033	King	Port of Seattle	2265007010	Off-highway Gasoline, 4-Stroke /Logging Equipt /Shredders : 6 HP
53033	King	Port of Seattle	2265007015	Off-highway Gasoline, 4-Stroke /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53033	King	Port of Seattle	2267002045	Off-highway LPG /Construction & Mining Equipt /Cranes
53033	King	Port of Seattle	2267002060	Off-highway LPG /Construction & Mining Equipt /Rubber Tire Loaders
53033	King	Port of Seattle	2267002066	Off-highway LPG /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53033	King	Port of Seattle	2267002072	Off-highway LPG /Construction & Mining Equipt /Skid Steer Loaders
53033	King	Port of Seattle	2267002081	Off-highway LPG /Construction & Mining Equipt /Other Construction Equipt
53033	King	Port of Seattle	2267003010	Off-highway LPG /Industrial Equipt /Aerial Lifts
53033	King	Port of Seattle	2267003020	Off-highway LPG /Industrial Equipt /Forklifts
53033	King	Port of Seattle	2267003030	Off-highway LPG /Industrial Equipt /Sweepers/Scrubbers
53033	King	Port of Seattle	2267003040	Off-highway LPG /Industrial Equipt /Other General Industrial Equipt
53033	King	Port of Seattle	2267003050	Off-highway LPG /Industrial Equipt /Other Material H&ling Equipt
53033	King	Port of Seattle	2267003070	Off-highway LPG /Industrial Equipt /Terminal Tractors
53033	King	Port of Seattle	2267006005	Off-highway LPG /Commercial Equipt /Generator Sets
53033	King	Port of Seattle	2267006010	Off-highway LPG /Commercial Equipt /Pumps
53033	King	Port of Seattle	2267006015	Off-highway LPG /Commercial Equipt /Air Compressors
53033	King	Port of Seattle	2267006025	Off-highway LPG /Commercial Equipt /Welders
53033	King	Port of Seattle	2267006030	Off-highway LPG /Commercial Equipt /Pressure Washers
53033	King	Port of Seattle	2267006035	Off-highway LPG /Commercial Equipt /Hydro-power Units
53033	King	Port of Seattle	2268002081	Off-highway CNG /Construction & Mining Equipt /Other Construction Equipt
53033	King	Port of Seattle	2268003020	Off-highway CNG /Industrial Equipt /Forklifts
53033	King	Port of Seattle	2268003030	Off-highway CNG /Industrial Equipt /Sweepers/Scrubbers
53033	King	Port of Seattle	2268003040	Off-highway CNG /Industrial Equipt /Other General Industrial Equipt
53033	King	Port of Seattle	2268003060	Off-highway CNG /Industrial Equipt /AC\Refrigeration
53033	King	Port of Seattle	2268003070	Off-highway CNG /Industrial Equipt /Terminal Tractors
53033	King	Port of Seattle	2268006005	Off-highway CNG /Commercial Equipt /Generator Sets
53033	King	Port of Seattle	2268006010	Off-highway CNG /Commercial Equipt /Pumps
53033	King	Port of Seattle	2268006015	Off-highway CNG /Commercial Equipt /Air Compressors
53033	King	Port of Seattle	2268006020	Off-highway CNG /Commercial Equipt /Gas Compressors
53033	King	Port of Seattle	2268006035	Off-highway CNG /Commercial Equipt /Hydro-power Units
53033	King	Port of Seattle	2270002027	Off-highway Diesel /Construction & Mining Equipt /Signal Boards/Light Plants
53033	King	Port of Seattle	2270002045	Off-highway Diesel /Construction & Mining Equipt /Cranes
53033	King	Port of Seattle	2270002051	Off-highway Diesel /Construction & Mining Equipt /Off-highway Trucks
53033	King	Port of Seattle	2270002060	Off-highway Diesel /Construction & Mining Equipt /Rubber Tire Loaders
53033	King	Port of Seattle	2270002066	Off-highway Diesel /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53033	King	Port of Seattle	2270002069	Off-highway Diesel /Construction & Mining Equipt /Crawler Tractor/Dozers
53033	King	Port of Seattle	2270002072	Off-highway Diesel /Construction & Mining Equipt /Skid Steer Loaders
53033	King	Port of Seattle	2270002075	Off-highway Diesel /Construction & Mining Equipt /Off-highway Tractors
53033	King	Port of Seattle	2270002081	Off-highway Diesel /Construction & Mining Equipt /Other Construction Equipt
53033	King	Port of Seattle	2270003010	Off-highway Diesel /Industrial Equipt /Aerial Lifts
53033	King	Port of Seattle	2270003020	Off-highway Diesel /Industrial Equipt /Forklifts
53033	King	Port of Seattle	2270003030	Off-highway Diesel /Industrial Equipt /Sweepers/Scrubbers
53033	King	Port of Seattle	2270003040	Off-highway Diesel /Industrial Equipt /Other General Industrial Equipt
53033	King	Port of Seattle	2270003050	Off-highway Diesel /Industrial Equipt /Other Material H&ling Equipt
53033	King	Port of Seattle	2270003060	Off-highway Diesel /Industrial Equipt /AC\Refrigeration
53033	King	Port of Seattle	2270003070	Off-highway Diesel /Industrial Equipt /Terminal Tractors
53033	King	Port of Seattle	2270006005	Off-highway Diesel /Commercial Equipt /Generator Sets
53033	King	Port of Seattle	2270006010	Off-highway Diesel /Commercial Equipt /Pumps
53033	King	Port of Seattle	2270006015	Off-highway Diesel /Commercial Equipt /Air Compressors
53033	King	Port of Seattle	2270006020	Off-highway Diesel /Commercial Equipt /Gas Compressors
53033	King	Port of Seattle	2270006025	Off-highway Diesel /Commercial Equipt /Welders
53033	King	Port of Seattle	2270006030	Off-highway Diesel /Commercial Equipt /Pressure Washers
53033	King	Port of Seattle	2270006035	Off-highway Diesel /Commercial Equipt /Hydro-power Units
53033	King	Port of Seattle	2270007010	Off-highway Diesel /Logging Equipt /Shredders : 6 HP
53033	King	Port of Seattle	2270007015	Off-highway Diesel /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53053	Pierce	Fife Rail Yard	2260002027	Off-highway Gasoline, 2-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53053	Pierce	Fife Rail Yard	2260003030	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Sweepers/Scrubbers
53053	Pierce	Fife Rail Yard	2260003040	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Other General Industrial Equipt
53053	Pierce	Fife Rail Yard	2260006005	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Generator Sets
53053	Pierce	Fife Rail Yard	2260006010	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Pumps
53053	Pierce	Fife Rail Yard	2260006015	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Air Compressors
53053	Pierce	Fife Rail Yard	2260006035	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Hydro-power Units
53053	Pierce	Fife Rail Yard	2260007005	Off-highway Gasoline, 2-Stroke /Logging Equipt /Chain Saws : 6 HP
53053	Pierce	Fife Rail Yard	2265002027	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53053	Pierce	Fife Rail Yard	2265002045	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Cranes

53053	Pierce	Fife Rail Yard	2265002060	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Rubber Tire Loaders
53053	Pierce	Fife Rail Yard	2265002066	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53053	Pierce	Fife Rail Yard	2265002072	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Skid Steer Loaders
53053	Pierce	Fife Rail Yard	2265002081	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Other Construction Equipt
53053	Pierce	Fife Rail Yard	2265003010	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Aerial Lifts
53053	Pierce	Fife Rail Yard	2265003020	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Forklifts
53053	Pierce	Fife Rail Yard	2265003030	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Sweepers/Scrubbers
53053	Pierce	Fife Rail Yard	2265003040	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other General Industrial Equipt
53053	Pierce	Fife Rail Yard	2265003050	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other Material H&ling Equipt
53053	Pierce	Fife Rail Yard	2265003060	Off-highway Gasoline, 4-Stroke /Industrial Equipt /AC/Refrigeration
53053	Pierce	Fife Rail Yard	2265003070	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Terminal Tractors
53053	Pierce	Fife Rail Yard	2265006005	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Generator Sets
53053	Pierce	Fife Rail Yard	2265006010	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pumps
53053	Pierce	Fife Rail Yard	2265006015	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Air Compressors
53053	Pierce	Fife Rail Yard	2265006025	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Welders
53053	Pierce	Fife Rail Yard	2265006030	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pressure Washers
53053	Pierce	Fife Rail Yard	2265006035	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Hydro-power Units
53053	Pierce	Fife Rail Yard	2265007010	Off-highway Gasoline, 4-Stroke /Logging Equipt /Shredders : 6 HP
53053	Pierce	Fife Rail Yard	2265007015	Off-highway Gasoline, 4-Stroke /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53053	Pierce	Fife Rail Yard	2267002045	Off-highway LPG /Construction & Mining Equipt /Cranes
53053	Pierce	Fife Rail Yard	2267002060	Off-highway LPG /Construction & Mining Equipt /Rubber Tire Loaders
53053	Pierce	Fife Rail Yard	2267002066	Off-highway LPG /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53053	Pierce	Fife Rail Yard	2267002072	Off-highway LPG /Construction & Mining Equipt /Skid Steer Loaders
53053	Pierce	Fife Rail Yard	2267002081	Off-highway LPG /Construction & Mining Equipt /Other Construction Equipt
53053	Pierce	Fife Rail Yard	2267003010	Off-highway LPG /Industrial Equipt /Aerial Lifts
53053	Pierce	Fife Rail Yard	2267003020	Off-highway LPG /Industrial Equipt /Forklifts
53053	Pierce	Fife Rail Yard	2267003030	Off-highway LPG /Industrial Equipt /Sweepers/Scrubbers
53053	Pierce	Fife Rail Yard	2267003040	Off-highway LPG /Industrial Equipt /Other General Industrial Equipt
53053	Pierce	Fife Rail Yard	2267003050	Off-highway LPG /Industrial Equipt /Other Material H&ling Equipt
53053	Pierce	Fife Rail Yard	2267003070	Off-highway LPG /Industrial Equipt /Terminal Tractors
53053	Pierce	Fife Rail Yard	2267006005	Off-highway LPG /Commercial Equipt /Generator Sets
53053	Pierce	Fife Rail Yard	2267006010	Off-highway LPG /Commercial Equipt /Pumps
53053	Pierce	Fife Rail Yard	2267006015	Off-highway LPG /Commercial Equipt /Air Compressors
53053	Pierce	Fife Rail Yard	2267006025	Off-highway LPG /Commercial Equipt /Welders
53053	Pierce	Fife Rail Yard	2267006030	Off-highway LPG /Commercial Equipt /Pressure Washers
53053	Pierce	Fife Rail Yard	2267006035	Off-highway LPG /Commercial Equipt /Hydro-power Units
53053	Pierce	Fife Rail Yard	2268002081	Off-highway CNG /Construction & Mining Equipt /Other Construction Equipt
53053	Pierce	Fife Rail Yard	2268003020	Off-highway CNG /Industrial Equipt /Forklifts
53053	Pierce	Fife Rail Yard	2268003030	Off-highway CNG /Industrial Equipt /Sweepers/Scrubbers
53053	Pierce	Fife Rail Yard	2268003040	Off-highway CNG /Industrial Equipt /Other General Industrial Equipt
53053	Pierce	Fife Rail Yard	2268003060	Off-highway CNG /Industrial Equipt /AC/Refrigeration
53053	Pierce	Fife Rail Yard	2268003070	Off-highway CNG /Industrial Equipt /Terminal Tractors
53053	Pierce	Fife Rail Yard	2268006005	Off-highway CNG /Commercial Equipt /Generator Sets
53053	Pierce	Fife Rail Yard	2268006010	Off-highway CNG /Commercial Equipt /Pumps
53053	Pierce	Fife Rail Yard	2268006015	Off-highway CNG /Commercial Equipt /Air Compressors
53053	Pierce	Fife Rail Yard	2268006020	Off-highway CNG /Commercial Equipt /Gas Compressors
53053	Pierce	Fife Rail Yard	2268006035	Off-highway CNG /Commercial Equipt /Hydro-power Units
53053	Pierce	Fife Rail Yard	2270002027	Off-highway Diesel /Construction & Mining Equipt /Signal Boards/Light Plants
53053	Pierce	Fife Rail Yard	2270002045	Off-highway Diesel /Construction & Mining Equipt /Cranes
53053	Pierce	Fife Rail Yard	2270002051	Off-highway Diesel /Construction & Mining Equipt /Off-highway Trucks
53053	Pierce	Fife Rail Yard	2270002060	Off-highway Diesel /Construction & Mining Equipt /Rubber Tire Loaders
53053	Pierce	Fife Rail Yard	2270002066	Off-highway Diesel /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53053	Pierce	Fife Rail Yard	2270002069	Off-highway Diesel /Construction & Mining Equipt /Crawler Tractor/Dozers
53053	Pierce	Fife Rail Yard	2270002072	Off-highway Diesel /Construction & Mining Equipt /Skid Steer Loaders
53053	Pierce	Fife Rail Yard	2270002075	Off-highway Diesel /Construction & Mining Equipt /Off-highway Tractors
53053	Pierce	Fife Rail Yard	2270002081	Off-highway Diesel /Construction & Mining Equipt /Other Construction Equipt
53053	Pierce	Fife Rail Yard	2270003010	Off-highway Diesel /Industrial Equipt /Aerial Lifts
53053	Pierce	Fife Rail Yard	2270003020	Off-highway Diesel /Industrial Equipt /Forklifts
53053	Pierce	Fife Rail Yard	2270003030	Off-highway Diesel /Industrial Equipt /Sweepers/Scrubbers
53053	Pierce	Fife Rail Yard	2270003040	Off-highway Diesel /Industrial Equipt /Other General Industrial Equipt
53053	Pierce	Fife Rail Yard	2270003050	Off-highway Diesel /Industrial Equipt /Other Material H&ling Equipt
53053	Pierce	Fife Rail Yard	2270003060	Off-highway Diesel /Industrial Equipt /AC/Refrigeration
53053	Pierce	Fife Rail Yard	2270003070	Off-highway Diesel /Industrial Equipt /Terminal Tractors
53053	Pierce	Fife Rail Yard	2270006005	Off-highway Diesel /Commercial Equipt /Generator Sets
53053	Pierce	Fife Rail Yard	2270006010	Off-highway Diesel /Commercial Equipt /Pumps
53053	Pierce	Fife Rail Yard	2270006015	Off-highway Diesel /Commercial Equipt /Air Compressors
53053	Pierce	Fife Rail Yard	2270006020	Off-highway Diesel /Commercial Equipt /Gas Compressors
53053	Pierce	Fife Rail Yard	2270006025	Off-highway Diesel /Commercial Equipt /Welders

53053	Pierce	Fife Rail Yard	2270006030	Off-highway Diesel /Commercial Equipt /Pressure Washers
53053	Pierce	Fife Rail Yard	2270006035	Off-highway Diesel /Commercial Equipt /Hydro-power Units
53053	Pierce	Fife Rail Yard	2270007010	Off-highway Diesel /Logging Equipt /Shredders : 6 HP
53053	Pierce	Fife Rail Yard	2270007015	Off-highway Diesel /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53053	Pierce	Port of Tacoma	2260002027	Off-highway Gasoline, 2-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53053	Pierce	Port of Tacoma	2260003030	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Sweepers/Scrubbers
53053	Pierce	Port of Tacoma	2260003040	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Other General Industrial Equipt
53053	Pierce	Port of Tacoma	2260006005	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Generator Sets
53053	Pierce	Port of Tacoma	2260006010	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Pumps
53053	Pierce	Port of Tacoma	2260006015	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Air Compressors
53053	Pierce	Port of Tacoma	2260006035	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Hydro-power Units
53053	Pierce	Port of Tacoma	2260007005	Off-highway Gasoline, 2-Stroke /Logging Equipt /Chain Saws : 6 HP
53053	Pierce	Port of Tacoma	2265002027	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53053	Pierce	Port of Tacoma	2265002045	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Cranes
53053	Pierce	Port of Tacoma	2265002060	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Rubber Tire Loaders
53053	Pierce	Port of Tacoma	2265002066	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53053	Pierce	Port of Tacoma	2265002072	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Skid Steer Loaders
53053	Pierce	Port of Tacoma	2265002081	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Other Construction Equipt
53053	Pierce	Port of Tacoma	2265003010	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Aerial Lifts
53053	Pierce	Port of Tacoma	2265003020	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Forklifts
53053	Pierce	Port of Tacoma	2265003030	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Sweepers/Scrubbers
53053	Pierce	Port of Tacoma	2265003040	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other General Industrial Equipt
53053	Pierce	Port of Tacoma	2265003050	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other Material H&ling Equipt
53053	Pierce	Port of Tacoma	2265003060	Off-highway Gasoline, 4-Stroke /Industrial Equipt /AC\Refrigeration
53053	Pierce	Port of Tacoma	2265003070	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Terminal Tractors
53053	Pierce	Port of Tacoma	2265006005	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Generator Sets
53053	Pierce	Port of Tacoma	2265006010	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pumps
53053	Pierce	Port of Tacoma	2265006015	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Air Compressors
53053	Pierce	Port of Tacoma	2265006025	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Welders
53053	Pierce	Port of Tacoma	2265006030	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pressure Washers
53053	Pierce	Port of Tacoma	2265006035	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Hydro-power Units
53053	Pierce	Port of Tacoma	2265007010	Off-highway Gasoline, 4-Stroke /Logging Equipt /Shredders : 6 HP
53053	Pierce	Port of Tacoma	2265007015	Off-highway Gasoline, 4-Stroke /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53053	Pierce	Port of Tacoma	2267002045	Off-highway LPG /Construction & Mining Equipt /Cranes
53053	Pierce	Port of Tacoma	2267002060	Off-highway LPG /Construction & Mining Equipt /Rubber Tire Loaders
53053	Pierce	Port of Tacoma	2267002066	Off-highway LPG /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53053	Pierce	Port of Tacoma	2267002072	Off-highway LPG /Construction & Mining Equipt /Skid Steer Loaders
53053	Pierce	Port of Tacoma	2267002081	Off-highway LPG /Construction & Mining Equipt /Other Construction Equipt
53053	Pierce	Port of Tacoma	2267003010	Off-highway LPG /Industrial Equipt /Aerial Lifts
53053	Pierce	Port of Tacoma	2267003020	Off-highway LPG /Industrial Equipt /Forklifts
53053	Pierce	Port of Tacoma	2267003030	Off-highway LPG /Industrial Equipt /Sweepers/Scrubbers
53053	Pierce	Port of Tacoma	2267003040	Off-highway LPG /Industrial Equipt /Other General Industrial Equipt
53053	Pierce	Port of Tacoma	2267003050	Off-highway LPG /Industrial Equipt /Other Material H&ling Equipt
53053	Pierce	Port of Tacoma	2267003070	Off-highway LPG /Industrial Equipt /Terminal Tractors
53053	Pierce	Port of Tacoma	2267006005	Off-highway LPG /Commercial Equipt /Generator Sets
53053	Pierce	Port of Tacoma	2267006010	Off-highway LPG /Commercial Equipt /Pumps
53053	Pierce	Port of Tacoma	2267006015	Off-highway LPG /Commercial Equipt /Air Compressors
53053	Pierce	Port of Tacoma	2267006025	Off-highway LPG /Commercial Equipt /Welders
53053	Pierce	Port of Tacoma	2267006030	Off-highway LPG /Commercial Equipt /Pressure Washers
53053	Pierce	Port of Tacoma	2267006035	Off-highway LPG /Commercial Equipt /Hydro-power Units
53053	Pierce	Port of Tacoma	2268002081	Off-highway CNG /Construction & Mining Equipt /Other Construction Equipt
53053	Pierce	Port of Tacoma	2268003020	Off-highway CNG /Industrial Equipt /Forklifts
53053	Pierce	Port of Tacoma	2268003030	Off-highway CNG /Industrial Equipt /Sweepers/Scrubbers
53053	Pierce	Port of Tacoma	2268003040	Off-highway CNG /Industrial Equipt /Other General Industrial Equipt
53053	Pierce	Port of Tacoma	2268003060	Off-highway CNG /Industrial Equipt /AC\Refrigeration
53053	Pierce	Port of Tacoma	2268003070	Off-highway CNG /Industrial Equipt /Terminal Tractors
53053	Pierce	Port of Tacoma	2268006005	Off-highway CNG /Commercial Equipt /Generator Sets
53053	Pierce	Port of Tacoma	2268006010	Off-highway CNG /Commercial Equipt /Pumps
53053	Pierce	Port of Tacoma	2268006015	Off-highway CNG /Commercial Equipt /Air Compressors
53053	Pierce	Port of Tacoma	2268006020	Off-highway CNG /Commercial Equipt /Gas Compressors
53053	Pierce	Port of Tacoma	2268006035	Off-highway CNG /Commercial Equipt /Hydro-power Units
53053	Pierce	Port of Tacoma	2270002027	Off-highway Diesel /Construction & Mining Equipt /Signal Boards/Light Plants
53053	Pierce	Port of Tacoma	2270002045	Off-highway Diesel /Construction & Mining Equipt /Cranes
53053	Pierce	Port of Tacoma	2270002051	Off-highway Diesel /Construction & Mining Equipt /Off-highway Trucks
53053	Pierce	Port of Tacoma	2270002060	Off-highway Diesel /Construction & Mining Equipt /Rubber Tire Loaders
53053	Pierce	Port of Tacoma	2270002066	Off-highway Diesel /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53053	Pierce	Port of Tacoma	2270002069	Off-highway Diesel /Construction & Mining Equipt /Crawler Tractor/Dozers
53053	Pierce	Port of Tacoma	2270002072	Off-highway Diesel /Construction & Mining Equipt /Skid Steer Loaders

53053	Pierce	Port of Tacoma	2270002075	Off-highway Diesel /Construction & Mining Equipt /Off-highway Tractors
53053	Pierce	Port of Tacoma	2270002081	Off-highway Diesel /Construction & Mining Equipt /Other Construction Equipt
53053	Pierce	Port of Tacoma	2270003010	Off-highway Diesel /Industrial Equipt /Aerial Lifts
53053	Pierce	Port of Tacoma	2270003020	Off-highway Diesel /Industrial Equipt /Forklifts
53053	Pierce	Port of Tacoma	2270003030	Off-highway Diesel /Industrial Equipt /Sweepers/Scrubbers
53053	Pierce	Port of Tacoma	2270003040	Off-highway Diesel /Industrial Equipt /Other General Industrial Equipt
53053	Pierce	Port of Tacoma	2270003050	Off-highway Diesel /Industrial Equipt /Other Material H&ling Equipt
53053	Pierce	Port of Tacoma	2270003060	Off-highway Diesel /Industrial Equipt /AC/Refrigeration
53053	Pierce	Port of Tacoma	2270003070	Off-highway Diesel /Industrial Equipt /Terminal Tractors
53053	Pierce	Port of Tacoma	2270006005	Off-highway Diesel /Commercial Equipt /Generator Sets
53053	Pierce	Port of Tacoma	2270006010	Off-highway Diesel /Commercial Equipt /Pumps
53053	Pierce	Port of Tacoma	2270006015	Off-highway Diesel /Commercial Equipt /Air Compressors
53053	Pierce	Port of Tacoma	2270006020	Off-highway Diesel /Commercial Equipt /Gas Compressors
53053	Pierce	Port of Tacoma	2270006025	Off-highway Diesel /Commercial Equipt /Welders
53053	Pierce	Port of Tacoma	2270006030	Off-highway Diesel /Commercial Equipt /Pressure Washers
53053	Pierce	Port of Tacoma	2270006035	Off-highway Diesel /Commercial Equipt /Hydro-power Units
53053	Pierce	Port of Tacoma	2270007010	Off-highway Diesel /Logging Equipt /Shredders : 6 HP
53053	Pierce	Port of Tacoma	2270007015	Off-highway Diesel /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53057	Skagit	Port of Anacortes	2260002027	Off-highway Gasoline, 2-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53057	Skagit	Port of Anacortes	2260003030	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Sweepers/Scrubbers
53057	Skagit	Port of Anacortes	2260003040	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Other General Industrial Equipt
53057	Skagit	Port of Anacortes	2260006005	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Generator Sets
53057	Skagit	Port of Anacortes	2260006010	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Pumps
53057	Skagit	Port of Anacortes	2260006015	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Air Compressors
53057	Skagit	Port of Anacortes	2260006035	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Hydro-power Units
53057	Skagit	Port of Anacortes	2260007005	Off-highway Gasoline, 2-Stroke /Logging Equipt /Chain Saws : 6 HP
53057	Skagit	Port of Anacortes	2265002027	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53057	Skagit	Port of Anacortes	2265002045	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Cranes
53057	Skagit	Port of Anacortes	2265002060	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Rubber Tire Loaders
53057	Skagit	Port of Anacortes	2265002066	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53057	Skagit	Port of Anacortes	2265002072	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Skid Steer Loaders
53057	Skagit	Port of Anacortes	2265002081	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Other Construction Equipt
53057	Skagit	Port of Anacortes	2265003010	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Aerial Lifts
53057	Skagit	Port of Anacortes	2265003020	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Forklifts
53057	Skagit	Port of Anacortes	2265003030	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Sweepers/Scrubbers
53057	Skagit	Port of Anacortes	2265003040	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other General Industrial Equipt
53057	Skagit	Port of Anacortes	2265003050	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other Material H&ling Equipt
53057	Skagit	Port of Anacortes	2265003060	Off-highway Gasoline, 4-Stroke /Industrial Equipt /AC/Refrigeration
53057	Skagit	Port of Anacortes	2265003070	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Terminal Tractors
53057	Skagit	Port of Anacortes	2265006005	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Generator Sets
53057	Skagit	Port of Anacortes	2265006010	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pumps
53057	Skagit	Port of Anacortes	2265006015	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Air Compressors
53057	Skagit	Port of Anacortes	2265006025	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Welders
53057	Skagit	Port of Anacortes	2265006030	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pressure Washers
53057	Skagit	Port of Anacortes	2265006035	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Hydro-power Units
53057	Skagit	Port of Anacortes	2265007010	Off-highway Gasoline, 4-Stroke /Logging Equipt /Shredders : 6 HP
53057	Skagit	Port of Anacortes	2265007015	Off-highway Gasoline, 4-Stroke /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53057	Skagit	Port of Anacortes	2267002045	Off-highway LPG /Construction & Mining Equipt /Cranes
53057	Skagit	Port of Anacortes	2267002060	Off-highway LPG /Construction & Mining Equipt /Rubber Tire Loaders
53057	Skagit	Port of Anacortes	2267002066	Off-highway LPG /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53057	Skagit	Port of Anacortes	2267002072	Off-highway LPG /Construction & Mining Equipt /Skid Steer Loaders
53057	Skagit	Port of Anacortes	2267002081	Off-highway LPG /Construction & Mining Equipt /Other Construction Equipt
53057	Skagit	Port of Anacortes	2267003010	Off-highway LPG /Industrial Equipt /Aerial Lifts
53057	Skagit	Port of Anacortes	2267003020	Off-highway LPG /Industrial Equipt /Forklifts
53057	Skagit	Port of Anacortes	2267003030	Off-highway LPG /Industrial Equipt /Sweepers/Scrubbers
53057	Skagit	Port of Anacortes	2267003040	Off-highway LPG /Industrial Equipt /Other General Industrial Equipt
53057	Skagit	Port of Anacortes	2267003050	Off-highway LPG /Industrial Equipt /Other Material H&ling Equipt
53057	Skagit	Port of Anacortes	2267003070	Off-highway LPG /Industrial Equipt /Terminal Tractors
53057	Skagit	Port of Anacortes	2267006005	Off-highway LPG /Commercial Equipt /Generator Sets
53057	Skagit	Port of Anacortes	2267006010	Off-highway LPG /Commercial Equipt /Pumps
53057	Skagit	Port of Anacortes	2267006015	Off-highway LPG /Commercial Equipt /Air Compressors
53057	Skagit	Port of Anacortes	2267006025	Off-highway LPG /Commercial Equipt /Welders
53057	Skagit	Port of Anacortes	2267006030	Off-highway LPG /Commercial Equipt /Pressure Washers
53057	Skagit	Port of Anacortes	2267006035	Off-highway LPG /Commercial Equipt /Hydro-power Units
53057	Skagit	Port of Anacortes	2268002081	Off-highway CNG /Construction & Mining Equipt /Other Construction Equipt
53057	Skagit	Port of Anacortes	2268003020	Off-highway CNG /Industrial Equipt /Forklifts
53057	Skagit	Port of Anacortes	2268003030	Off-highway CNG /Industrial Equipt /Sweepers/Scrubbers
53057	Skagit	Port of Anacortes	2268003040	Off-highway CNG /Industrial Equipt /Other General Industrial Equipt

53057	Skagit	Port of Anacortes	2268003060	Off-highway CNG /Industrial Equipt /AC\Refrigeration
53057	Skagit	Port of Anacortes	2268003070	Off-highway CNG /Industrial Equipt /Terminal Tractors
53057	Skagit	Port of Anacortes	2268006005	Off-highway CNG /Commercial Equipt /Generator Sets
53057	Skagit	Port of Anacortes	2268006010	Off-highway CNG /Commercial Equipt /Pumps
53057	Skagit	Port of Anacortes	2268006015	Off-highway CNG /Commercial Equipt /Air Compressors
53057	Skagit	Port of Anacortes	2268006020	Off-highway CNG /Commercial Equipt /Gas Compressors
53057	Skagit	Port of Anacortes	2268006035	Off-highway CNG /Commercial Equipt /Hydro-power Units
53057	Skagit	Port of Anacortes	2270002027	Off-highway Diesel /Construction & Mining Equipt /Signal Boards/Light Plants
53057	Skagit	Port of Anacortes	2270002045	Off-highway Diesel /Construction & Mining Equipt /Cranes
53057	Skagit	Port of Anacortes	2270002051	Off-highway Diesel /Construction & Mining Equipt /Off-highway Trucks
53057	Skagit	Port of Anacortes	2270002060	Off-highway Diesel /Construction & Mining Equipt /Rubber Tire Loaders
53057	Skagit	Port of Anacortes	2270002066	Off-highway Diesel /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53057	Skagit	Port of Anacortes	2270002069	Off-highway Diesel /Construction & Mining Equipt /Crawler Tractor/Dozers
53057	Skagit	Port of Anacortes	2270002072	Off-highway Diesel /Construction & Mining Equipt /Skid Steer Loaders
53057	Skagit	Port of Anacortes	2270002075	Off-highway Diesel /Construction & Mining Equipt /Off-highway Tractors
53057	Skagit	Port of Anacortes	2270002081	Off-highway Diesel /Construction & Mining Equipt /Other Construction Equipt
53057	Skagit	Port of Anacortes	2270003010	Off-highway Diesel /Industrial Equipt /Aerial Lifts
53057	Skagit	Port of Anacortes	2270003020	Off-highway Diesel /Industrial Equipt /Forklifts
53057	Skagit	Port of Anacortes	2270003030	Off-highway Diesel /Industrial Equipt /Sweepers/Scrubbers
53057	Skagit	Port of Anacortes	2270003040	Off-highway Diesel /Industrial Equipt /Other General Industrial Equipt
53057	Skagit	Port of Anacortes	2270003050	Off-highway Diesel /Industrial Equipt /Other Material H&ling Equipt
53057	Skagit	Port of Anacortes	2270003060	Off-highway Diesel /Industrial Equipt /AC\Refrigeration
53057	Skagit	Port of Anacortes	2270003070	Off-highway Diesel /Industrial Equipt /Terminal Tractors
53057	Skagit	Port of Anacortes	2270006005	Off-highway Diesel /Commercial Equipt /Generator Sets
53057	Skagit	Port of Anacortes	2270006010	Off-highway Diesel /Commercial Equipt /Pumps
53057	Skagit	Port of Anacortes	2270006015	Off-highway Diesel /Commercial Equipt /Air Compressors
53057	Skagit	Port of Anacortes	2270006020	Off-highway Diesel /Commercial Equipt /Gas Compressors
53057	Skagit	Port of Anacortes	2270006025	Off-highway Diesel /Commercial Equipt /Welders
53057	Skagit	Port of Anacortes	2270006030	Off-highway Diesel /Commercial Equipt /Pressure Washers
53057	Skagit	Port of Anacortes	2270006035	Off-highway Diesel /Commercial Equipt /Hydro-power Units
53057	Skagit	Port of Anacortes	2270007010	Off-highway Diesel /Logging Equipt /Shredders : 6 HP
53057	Skagit	Port of Anacortes	2270007015	Off-highway Diesel /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53061	Snohomish	Port of Everett	2260002027	Off-highway Gasoline 2-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53061	Snohomish	Port of Everett	2260003030	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Sweepers/Scrubbers
53061	Snohomish	Port of Everett	2260003040	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Other General Industrial Equipt
53061	Snohomish	Port of Everett	2260006005	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Generator Sets
53061	Snohomish	Port of Everett	2260006010	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Pumps
53061	Snohomish	Port of Everett	2260006015	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Air Compressors
53061	Snohomish	Port of Everett	2260006035	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Hydro-power Units
53061	Snohomish	Port of Everett	2260007005	Off-highway Gasoline, 2-Stroke /Logging Equipt /Chain Saws : 6 HP
53061	Snohomish	Port of Everett	2265002027	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53061	Snohomish	Port of Everett	2265002045	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Cranes
53061	Snohomish	Port of Everett	2265002060	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Rubber Tire Loaders
53061	Snohomish	Port of Everett	2265002066	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53061	Snohomish	Port of Everett	2265002072	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Skid Steer Loaders
53061	Snohomish	Port of Everett	2265002081	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Other Construction Equipt
53061	Snohomish	Port of Everett	2265003010	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Aerial Lifts
53061	Snohomish	Port of Everett	2265003020	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Forklifts
53061	Snohomish	Port of Everett	2265003030	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Sweepers/Scrubbers
53061	Snohomish	Port of Everett	2265003040	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other General Industrial Equipt
53061	Snohomish	Port of Everett	2265003050	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other Material H&ling Equipt
53061	Snohomish	Port of Everett	2265003060	Off-highway Gasoline, 4-Stroke /Industrial Equipt /AC\Refrigeration
53061	Snohomish	Port of Everett	2265003070	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Terminal Tractors
53061	Snohomish	Port of Everett	2265006005	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Generator Sets
53061	Snohomish	Port of Everett	2265006010	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pumps
53061	Snohomish	Port of Everett	2265006015	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Air Compressors
53061	Snohomish	Port of Everett	2265006025	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Welders
53061	Snohomish	Port of Everett	2265006030	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pressure Washers
53061	Snohomish	Port of Everett	2265006035	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Hydro-power Units
53061	Snohomish	Port of Everett	2265007010	Off-highway Gasoline, 4-Stroke /Logging Equipt /Shredders : 6 HP
53061	Snohomish	Port of Everett	2265007015	Off-highway Gasoline, 4-Stroke /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53061	Snohomish	Port of Everett	2267002045	Off-highway LPG /Construction & Mining Equipt /Cranes
53061	Snohomish	Port of Everett	2267002060	Off-highway LPG /Construction & Mining Equipt /Rubber Tire Loaders
53061	Snohomish	Port of Everett	2267002066	Off-highway LPG /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53061	Snohomish	Port of Everett	2267002072	Off-highway LPG /Construction & Mining Equipt /Skid Steer Loaders
53061	Snohomish	Port of Everett	2267002081	Off-highway LPG /Construction & Mining Equipt /Other Construction Equipt
53061	Snohomish	Port of Everett	2267003010	Off-highway LPG /Industrial Equipt /Aerial Lifts
53061	Snohomish	Port of Everett	2267003020	Off-highway LPG /Industrial Equipt /Forklifts

53061	Snohomish	Port of Everett	2267003030	Off-highway LPG /Industrial Equipt /Sweepers/Scrubbers
53061	Snohomish	Port of Everett	2267003040	Off-highway LPG /Industrial Equipt /Other General Industrial Equipt
53061	Snohomish	Port of Everett	2267003050	Off-highway LPG /Industrial Equipt /Other Material H&ling Equipt
53061	Snohomish	Port of Everett	2267003070	Off-highway LPG /Industrial Equipt /Terminal Tractors
53061	Snohomish	Port of Everett	2267006005	Off-highway LPG /Commercial Equipt /Generator Sets
53061	Snohomish	Port of Everett	2267006010	Off-highway LPG /Commercial Equipt /Pumps
53061	Snohomish	Port of Everett	2267006015	Off-highway LPG /Commercial Equipt /Air Compressors
53061	Snohomish	Port of Everett	2267006025	Off-highway LPG /Commercial Equipt /Welders
53061	Snohomish	Port of Everett	2267006030	Off-highway LPG /Commercial Equipt /Pressure Washers
53061	Snohomish	Port of Everett	2267006035	Off-highway LPG /Commercial Equipt /Hydro-power Units
53061	Snohomish	Port of Everett	2268002081	Off-highway CNG /Construction & Mining Equipt /Other Construction Equipt
53061	Snohomish	Port of Everett	2268003020	Off-highway CNG /Industrial Equipt /Forklifts
53061	Snohomish	Port of Everett	2268003030	Off-highway CNG /Industrial Equipt /Sweepers/Scrubbers
53061	Snohomish	Port of Everett	2268003040	Off-highway CNG /Industrial Equipt /Other General Industrial Equipt
53061	Snohomish	Port of Everett	2268003060	Off-highway CNG /Industrial Equipt /AC/Refrigeration
53061	Snohomish	Port of Everett	2268003070	Off-highway CNG /Industrial Equipt /Terminal Tractors
53061	Snohomish	Port of Everett	2268006005	Off-highway CNG /Commercial Equipt /Generator Sets
53061	Snohomish	Port of Everett	2268006010	Off-highway CNG /Commercial Equipt /Pumps
53061	Snohomish	Port of Everett	2268006015	Off-highway CNG /Commercial Equipt /Air Compressors
53061	Snohomish	Port of Everett	2268006020	Off-highway CNG /Commercial Equipt /Gas Compressors
53061	Snohomish	Port of Everett	2268006035	Off-highway CNG /Commercial Equipt /Hydro-power Units
53061	Snohomish	Port of Everett	2270002027	Off-highway Diesel /Construction & Mining Equipt /Signal Boards/Light Plants
53061	Snohomish	Port of Everett	2270002045	Off-highway Diesel /Construction & Mining Equipt /Cranes
53061	Snohomish	Port of Everett	2270002051	Off-highway Diesel /Construction & Mining Equipt /Off-highway Trucks
53061	Snohomish	Port of Everett	2270002060	Off-highway Diesel /Construction & Mining Equipt /Rubber Tire Loaders
53061	Snohomish	Port of Everett	2270002066	Off-highway Diesel /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53061	Snohomish	Port of Everett	2270002069	Off-highway Diesel /Construction & Mining Equipt /Crawler Tractor/Dozers
53061	Snohomish	Port of Everett	2270002072	Off-highway Diesel /Construction & Mining Equipt /Skid Steer Loaders
53061	Snohomish	Port of Everett	2270002075	Off-highway Diesel /Construction & Mining Equipt /Off-highway Tractors
53061	Snohomish	Port of Everett	2270002081	Off-highway Diesel /Construction & Mining Equipt /Other Construction Equipt
53061	Snohomish	Port of Everett	2270003010	Off-highway Diesel /Industrial Equipt /Aerial Lifts
53061	Snohomish	Port of Everett	2270003020	Off-highway Diesel /Industrial Equipt /Forklifts
53061	Snohomish	Port of Everett	2270003030	Off-highway Diesel /Industrial Equipt /Sweepers/Scrubbers
53061	Snohomish	Port of Everett	2270003040	Off-highway Diesel /Industrial Equipt /Other General Industrial Equipt
53061	Snohomish	Port of Everett	2270003050	Off-highway Diesel /Industrial Equipt /Other Material H&ling Equipt
53061	Snohomish	Port of Everett	2270003060	Off-highway Diesel /Industrial Equipt /AC/Refrigeration
53061	Snohomish	Port of Everett	2270003070	Off-highway Diesel /Industrial Equipt /Terminal Tractors
53061	Snohomish	Port of Everett	2270006005	Off-highway Diesel /Commercial Equipt /Generator Sets
53061	Snohomish	Port of Everett	2270006010	Off-highway Diesel /Commercial Equipt /Pumps
53061	Snohomish	Port of Everett	2270006015	Off-highway Diesel /Commercial Equipt /Air Compressors
53061	Snohomish	Port of Everett	2270006020	Off-highway Diesel /Commercial Equipt /Gas Compressors
53061	Snohomish	Port of Everett	2270006025	Off-highway Diesel /Commercial Equipt /Welders
53061	Snohomish	Port of Everett	2270006030	Off-highway Diesel /Commercial Equipt /Pressure Washers
53061	Snohomish	Port of Everett	2270006035	Off-highway Diesel /Commercial Equipt /Hydro-power Units
53061	Snohomish	Port of Everett	2270007010	Off-highway Diesel /Logging Equipt /Shredders : 6 HP
53061	Snohomish	Port of Everett	2270007015	Off-highway Diesel /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53067	Thurston	Port of Olympia	2260002027	Off-highway Gasoline, 2-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53067	Thurston	Port of Olympia	2260003030	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Sweepers/Scrubbers
53067	Thurston	Port of Olympia	2260003040	Off-highway Gasoline, 2-Stroke /Industrial Equipt /Other General Industrial Equipt
53067	Thurston	Port of Olympia	2260006005	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Generator Sets
53067	Thurston	Port of Olympia	2260006010	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Pumps
53067	Thurston	Port of Olympia	2260006015	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Air Compressors
53067	Thurston	Port of Olympia	2260006035	Off-highway Gasoline, 2-Stroke /Commercial Equipt /Hydro-power Units
53067	Thurston	Port of Olympia	2260007005	Off-highway Gasoline, 2-Stroke /Logging Equipt /Chain Saws : 6 HP
53067	Thurston	Port of Olympia	2265002027	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Signal Boards/Light Plants
53067	Thurston	Port of Olympia	2265002045	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Cranes
53067	Thurston	Port of Olympia	2265002060	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Rubber Tire Loaders
53067	Thurston	Port of Olympia	2265002066	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53067	Thurston	Port of Olympia	2265002072	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Skid Steer Loaders
53067	Thurston	Port of Olympia	2265002081	Off-highway Gasoline, 4-Stroke /Construction & Mining Equipt /Other Construction Equipt
53067	Thurston	Port of Olympia	2265003010	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Aerial Lifts
53067	Thurston	Port of Olympia	2265003020	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Forklifts
53067	Thurston	Port of Olympia	2265003030	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Sweepers/Scrubbers
53067	Thurston	Port of Olympia	2265003040	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other General Industrial Equipt
53067	Thurston	Port of Olympia	2265003050	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Other Material H&ling Equipt
53067	Thurston	Port of Olympia	2265003060	Off-highway Gasoline, 4-Stroke /Industrial Equipt /AC/Refrigeration
53067	Thurston	Port of Olympia	2265003070	Off-highway Gasoline, 4-Stroke /Industrial Equipt /Terminal Tractors
53067	Thurston	Port of Olympia	2265006005	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Generator Sets

53067	Thurston	Port of Olympia	2265006010	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pumps
53067	Thurston	Port of Olympia	2265006015	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Air Compressors
53067	Thurston	Port of Olympia	2265006025	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Welders
53067	Thurston	Port of Olympia	2265006030	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Pressure Washers
53067	Thurston	Port of Olympia	2265006035	Off-highway Gasoline, 4-Stroke /Commercial Equipt /Hydro-power Units
53067	Thurston	Port of Olympia	2265007010	Off-highway Gasoline, 4-Stroke /Logging Equipt /Shredders : 6 HP
53067	Thurston	Port of Olympia	2265007015	Off-highway Gasoline, 4-Stroke /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder
53067	Thurston	Port of Olympia	2267002045	Off-highway LPG /Construction & Mining Equipt /Cranes
53067	Thurston	Port of Olympia	2267002060	Off-highway LPG /Construction & Mining Equipt /Rubber Tire Loaders
53067	Thurston	Port of Olympia	2267002066	Off-highway LPG /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53067	Thurston	Port of Olympia	2267002072	Off-highway LPG /Construction & Mining Equipt /Skid Steer Loaders
53067	Thurston	Port of Olympia	2267002081	Off-highway LPG /Construction & Mining Equipt /Other Construction Equipt
53067	Thurston	Port of Olympia	2267003010	Off-highway LPG /Industrial Equipt /Aerial Lifts
53067	Thurston	Port of Olympia	2267003020	Off-highway LPG /Industrial Equipt /Forklifts
53067	Thurston	Port of Olympia	2267003030	Off-highway LPG /Industrial Equipt /Sweepers/Scrubbers
53067	Thurston	Port of Olympia	2267003040	Off-highway LPG /Industrial Equipt /Other General Industrial Equipt
53067	Thurston	Port of Olympia	2267003050	Off-highway LPG /Industrial Equipt /Other Material H&ling Equipt
53067	Thurston	Port of Olympia	2267003070	Off-highway LPG /Industrial Equipt /Terminal Tractors
53067	Thurston	Port of Olympia	2267006005	Off-highway LPG /Commercial Equipt /Generator Sets
53067	Thurston	Port of Olympia	2267006010	Off-highway LPG /Commercial Equipt /Pumps
53067	Thurston	Port of Olympia	2267006015	Off-highway LPG /Commercial Equipt /Air Compressors
53067	Thurston	Port of Olympia	2267006025	Off-highway LPG /Commercial Equipt /Welders
53067	Thurston	Port of Olympia	2267006030	Off-highway LPG /Commercial Equipt /Pressure Washers
53067	Thurston	Port of Olympia	2267006035	Off-highway LPG /Commercial Equipt /Hydro-power Units
53067	Thurston	Port of Olympia	2268002081	Off-highway CNG /Construction & Mining Equipt /Other Construction Equipt
53067	Thurston	Port of Olympia	2268003020	Off-highway CNG /Industrial Equipt /Forklifts
53067	Thurston	Port of Olympia	2268003030	Off-highway CNG /Industrial Equipt /Sweepers/Scrubbers
53067	Thurston	Port of Olympia	2268003040	Off-highway CNG /Industrial Equipt /Other General Industrial Equipt
53067	Thurston	Port of Olympia	2268003060	Off-highway CNG /Industrial Equipt /AC/Refrigeration
53067	Thurston	Port of Olympia	2268003070	Off-highway CNG /Industrial Equipt /Terminal Tractors
53067	Thurston	Port of Olympia	2268006005	Off-highway CNG /Commercial Equipt /Generator Sets
53067	Thurston	Port of Olympia	2268006010	Off-highway CNG /Commercial Equipt /Pumps
53067	Thurston	Port of Olympia	2268006015	Off-highway CNG /Commercial Equipt /Air Compressors
53067	Thurston	Port of Olympia	2268006020	Off-highway CNG /Commercial Equipt /Gas Compressors
53067	Thurston	Port of Olympia	2268006035	Off-highway CNG /Commercial Equipt /Hydro-power Units
53067	Thurston	Port of Olympia	2270002027	Off-highway Diesel /Construction & Mining Equipt /Signal Boards/Light Plants
53067	Thurston	Port of Olympia	2270002045	Off-highway Diesel /Construction & Mining Equipt /Cranes
53067	Thurston	Port of Olympia	2270002051	Off-highway Diesel /Construction & Mining Equipt /Off-highway Trucks
53067	Thurston	Port of Olympia	2270002060	Off-highway Diesel /Construction & Mining Equipt /Rubber Tire Loaders
53067	Thurston	Port of Olympia	2270002066	Off-highway Diesel /Construction & Mining Equipt /Tractors/Loaders/Backhoes
53067	Thurston	Port of Olympia	2270002069	Off-highway Diesel /Construction & Mining Equipt /Crawler Tractor/Dozers
53067	Thurston	Port of Olympia	2270002072	Off-highway Diesel /Construction & Mining Equipt /Skid Steer Loaders
53067	Thurston	Port of Olympia	2270002075	Off-highway Diesel /Construction & Mining Equipt /Off-highway Tractors
53067	Thurston	Port of Olympia	2270002081	Off-highway Diesel /Construction & Mining Equipt /Other Construction Equipt
53067	Thurston	Port of Olympia	2270003010	Off-highway Diesel /Industrial Equipt /Aerial Lifts
53067	Thurston	Port of Olympia	2270003020	Off-highway Diesel /Industrial Equipt /Forklifts
53067	Thurston	Port of Olympia	2270003030	Off-highway Diesel /Industrial Equipt /Sweepers/Scrubbers
53067	Thurston	Port of Olympia	2270003040	Off-highway Diesel /Industrial Equipt /Other General Industrial Equipt
53067	Thurston	Port of Olympia	2270003050	Off-highway Diesel /Industrial Equipt /Other Material H&ling Equipt
53067	Thurston	Port of Olympia	2270003060	Off-highway Diesel /Industrial Equipt /AC/Refrigeration
53067	Thurston	Port of Olympia	2270003070	Off-highway Diesel /Industrial Equipt /Terminal Tractors
53067	Thurston	Port of Olympia	2270006005	Off-highway Diesel /Commercial Equipt /Generator Sets
53067	Thurston	Port of Olympia	2270006010	Off-highway Diesel /Commercial Equipt /Pumps
53067	Thurston	Port of Olympia	2270006015	Off-highway Diesel /Commercial Equipt /Air Compressors
53067	Thurston	Port of Olympia	2270006020	Off-highway Diesel /Commercial Equipt /Gas Compressors
53067	Thurston	Port of Olympia	2270006025	Off-highway Diesel /Commercial Equipt /Welders
53067	Thurston	Port of Olympia	2270006030	Off-highway Diesel /Commercial Equipt /Pressure Washers
53067	Thurston	Port of Olympia	2270006035	Off-highway Diesel /Commercial Equipt /Hydro-power Units
53067	Thurston	Port of Olympia	2270007010	Off-highway Diesel /Logging Equipt /Shredders : 6 HP
53067	Thurston	Port of Olympia	2270007015	Off-highway Diesel /Logging Equipt /Forest Equipt - Feller/Bunch/Skidder

County_FIPS	County_Name	Location	SCC	SCC_Short_Name
53033	King	Argo Rail Yard	2285002006	Railroad Equipment /Diesel /Line Haul Locomotives: Class I Operations
53033	King	Argo Rail Yard	2285002007	Railroad Equipment /Diesel /Line Haul Locomotives: Class II / III Operations
53033	King	Argo Rail Yard	2285002010	Railroad Equipment /Diesel /Yard Locomotives
53033	King	BNSF SIG Rail Yard	2285002006	Railroad Equipment /Diesel /Line Haul Locomotives: Class I Operations
53033	King	BNSF SIG Rail Yard	2285002007	Railroad Equipment /Diesel /Line Haul Locomotives: Class II / III Operations
53033	King	BNSF SIG Rail Yard	2285002010	Railroad Equipment /Diesel /Yard Locomotives
53033	King	Port of Seattle	2285002006	Railroad Equipment /Diesel /Line Haul Locomotives: Class I Operations
53033	King	Port of Seattle	2285002007	Railroad Equipment /Diesel /Line Haul Locomotives: Class II / III Operations
53033	King	Port of Seattle	2285002010	Railroad Equipment /Diesel /Yard Locomotives
53053	Pierce	Fife Rail Yard	2285002006	Railroad Equipment /Diesel /Line Haul Locomotives: Class I Operations
53053	Pierce	Fife Rail Yard	2285002007	Railroad Equipment /Diesel /Line Haul Locomotives: Class II / III Operations
53053	Pierce	Fife Rail Yard	2285002010	Railroad Equipment /Diesel /Yard Locomotives
53053	Pierce	Port of Tacoma	2285002006	Railroad Equipment /Diesel /Line Haul Locomotives: Class I Operations
53053	Pierce	Port of Tacoma	2285002007	Railroad Equipment /Diesel /Line Haul Locomotives: Class II / III Operations
53053	Pierce	Port of Tacoma	2285002010	Railroad Equipment /Diesel /Yard Locomotives
53061	Snohomish	Port of Everett and related	2285002006	Railroad Equipment /Diesel /Line Haul Locomotives: Class I Operations
53061	Snohomish	Port of Everett and related	2285002007	Railroad Equipment /Diesel /Line Haul Locomotives: Class II / III Operations
53061	Snohomish	Port of Everett and related	2285002010	Railroad Equipment /Diesel /Yard Locomotives
53067	Thurston	Port of Olympia	2285002006	Railroad Equipment /Diesel /Line Haul Locomotives: Class I Operations
53067	Thurston	Port of Olympia	2285002007	Railroad Equipment /Diesel /Line Haul Locomotives: Class II / III Operations
53067	Thurston	Port of Olympia	2285002010	Railroad Equipment /Diesel /Yard Locomotives

Emissions in tons per year for all pollutants inventoried

PM10 PM2_5 DPM10 Black Carbon CO NOx SO2 VOC CH4 N2O CO2 CO2e

53053	Pierce	Pleasure Craft	2282020010	Pleasure Craft /Diesel /Outboard
53055	San Juan	Heavy Duty Vehicles	none	Highway Vehicles - Gasoline - Heavy Duty
53055	San Juan	Heavy Duty Vehicles	none	Highway Vehicles - Diesel - Heavy Duty
53055	San Juan	Light Duty Vehicles	none	Highway Vehicles - Gasoline - Light Duty
53055	San Juan	Light Duty Vehicles	none	Highway Vehicles - Diesel - Light Duty
53055	San Juan	Pleasure Craft	2282005010	Pleasure Craft /Gasoline 2-Stroke /Outboard
53055	San Juan	Pleasure Craft	2282005015	Pleasure Craft /Gasoline 2-Stroke /Personal Water Craft
53055	San Juan	Pleasure Craft	2282010005	Pleasure Craft /Gasoline 4-Stroke /Inboard/Sterndrive
53055	San Juan	Pleasure Craft	2282020005	Pleasure Craft /Diesel /Inboard/Sterndrive
53055	San Juan	Pleasure Craft	2282020010	Pleasure Craft /Diesel /Outboard
53057	Skagit	Heavy Duty Vehicles	none	Highway Vehicles - Gasoline - Heavy Duty
53057	Skagit	Heavy Duty Vehicles	none	Highway Vehicles - Diesel - Heavy Duty
53057	Skagit	Light Duty Vehicles	none	Highway Vehicles - Gasoline - Light Duty
53057	Skagit	Light Duty Vehicles	none	Highway Vehicles - Diesel - Light Duty
53057	Skagit	Pleasure Craft	2282005010	Pleasure Craft /Gasoline 2-Stroke /Outboard
53057	Skagit	Pleasure Craft	2282005015	Pleasure Craft /Gasoline 2-Stroke /Personal Water Craft
53057	Skagit	Pleasure Craft	2282010005	Pleasure Craft /Gasoline 4-Stroke /Inboard/Sterndrive
53057	Skagit	Pleasure Craft	2282020005	Pleasure Craft /Diesel /Inboard/Sterndrive
53057	Skagit	Pleasure Craft	2282020010	Pleasure Craft /Diesel /Outboard
53061	Snohomish	Heavy Duty Vehicles	none	Highway Vehicles - Gasoline - Heavy Duty
53061	Snohomish	Heavy Duty Vehicles	none	Highway Vehicles - Diesel - Heavy Duty
53061	Snohomish	Light Duty Vehicles	none	Highway Vehicles - Gasoline - Light Duty
53061	Snohomish	Light Duty Vehicles	none	Highway Vehicles - Diesel - Light Duty
53061	Snohomish	Pleasure Craft	2282005010	Pleasure Craft /Gasoline 2-Stroke /Outboard
53061	Snohomish	Pleasure Craft	2282005015	Pleasure Craft /Gasoline 2-Stroke /Personal Water Craft
53061	Snohomish	Pleasure Craft	2282010005	Pleasure Craft /Gasoline 4-Stroke /Inboard/Sterndrive
53061	Snohomish	Pleasure Craft	2282020005	Pleasure Craft /Diesel /Inboard/Sterndrive
53061	Snohomish	Pleasure Craft	2282020010	Pleasure Craft /Diesel /Outboard
53067	Thurston	Heavy Duty Vehicles	none	Highway Vehicles - Gasoline - Heavy Duty
53067	Thurston	Heavy Duty Vehicles	none	Highway Vehicles - Diesel - Heavy Duty
53067	Thurston	Light Duty Vehicles	none	Highway Vehicles - Gasoline - Light Duty
53067	Thurston	Light Duty Vehicles	none	Highway Vehicles - Diesel - Light Duty
53067	Thurston	Pleasure Craft	2282005010	Pleasure Craft /Gasoline 2-Stroke /Outboard
53067	Thurston	Pleasure Craft	2282005015	Pleasure Craft /Gasoline 2-Stroke /Personal Water Craft
53067	Thurston	Pleasure Craft	2282010005	Pleasure Craft /Gasoline 4-Stroke /Inboard/Sterndrive
53067	Thurston	Pleasure Craft	2282020005	Pleasure Craft /Diesel /Inboard/Sterndrive
53067	Thurston	Pleasure Craft	2282020010	Pleasure Craft /Diesel /Outboard
53073	Whatcom	Heavy Duty Vehicles	none	Highway Vehicles - Gasoline - Heavy Duty
53073	Whatcom	Heavy Duty Vehicles	none	Highway Vehicles - Diesel - Heavy Duty
53073	Whatcom	Light Duty Vehicles	none	Highway Vehicles - Gasoline - Light Duty
53073	Whatcom	Light Duty Vehicles	none	Highway Vehicles - Diesel - Light Duty
53073	Whatcom	Pleasure Craft	2282005010	Pleasure Craft /Gasoline 2-Stroke /Outboard
53073	Whatcom	Pleasure Craft	2282005015	Pleasure Craft /Gasoline 2-Stroke /Personal Water Craft
53073	Whatcom	Pleasure Craft	2282010005	Pleasure Craft /Gasoline 4-Stroke /Inboard/Sterndrive
53073	Whatcom	Pleasure Craft	2282020005	Pleasure Craft /Diesel /Inboard/Sterndrive
53073	Whatcom	Pleasure Craft	2282020010	Pleasure Craft /Diesel /Outboard

Attachment D - Data Collection, Lead Roles and Sites

Roles: The lead role includes primary data collection

The assist role may include making introductions or assisting in minor

support tasks.

CHE & TRUCKS

Ports		Potential No. Terminals (Points of Contact)	Notes	Lead	Assist
NWSA North Harbor (Port of Seattle)	CHE - all data	8	TERMINALS THAT SHOULD BE INCLUDED: Terminal 5 SSAT Terminal 18 SSAT Terminal 25/30 Northland Terminal 115 TTI Terminal 46 Seaport Maintenance, Cruise Terminals Pier 91 and 66 Grain Terminal 86	Consultant	Ports
	TRUCKS - Wait time at gates				
	TRUCKS - Engine Data & No of visits				
NWSA South Harbor (Port of Tacoma)	CHE - all data	10	TERMINALS THAT SHOULD BE INCLUDED: APM Terminal Log Export Terminal Washington United Terminal Husky Terminal OCT Terminal Pierce County Terminal TOTE Terminal Terminal 7 East Blair 1 Terminal TEMCO Grain Terminal	Consultant	Ports
	TRUCKS - Wait time at gates				
	TRUCKS - Engine Data & No of visits				
Port of Anacortes	CHE - all data	3	TERMINALS THAT SHOULD BE INCLUDED: Pier 1 Pier 2 Curtis Wharf	Consultant	Ports
	TRUCKS - Wait time at gates				
Port of Everett	TRUCKS - Engine Data & No of visits	1	Port of Anacortes	Consultant	Ports
	CHE - all data	4	TERMINALS THAT SHOULD BE INCLUDED: South Terminal Pacific Terminal Pier 1 & Hewitt Wharf Pier 3	Consultant	Ports
	TRUCKS - Wait time at gates				
Port of Olympia	TRUCKS - Engine Data & No of visits	4	Port of Everett	Consultant	Ports
	CHE - all data	1	TERMINALS THAT SHOULD BE INCLUDED: One terminal including Berths 1-4	Consultant	Ports
	TRUCKS - Wait time at gates				
Port of Port Angeles	TRUCKS - Engine Data & No of visits	1	One Terminal	Consultant	Ports
	CHE - all data	1	TERMINALS THAT SHOULD BE INCLUDED: Terminal 1 Terminal 2 (Black Ball Ferry Dock) Terminal 3	Consultant	Ports
	TRUCKS - Wait time at gates				
	TRUCKS - Engine Data & No of visits	1	Port of Port Angeles	Consultant	Ports

BNSF	CHE - all data	1	One company several locations	Consultant	
UP	CHE - all data	1	One company several locations	Consultant	

LOCOMOTIVES

Ports	Types of Locomotives	Potential No. of Rail Road companies (Point of contacts)	Notes	Lead	Assist
Northwest Seaport Alliance	Switchers	At least 6	UP, BNSF operate at both POS & POT. Tacoma Rail, Pacific Rail, &Temco operate at POT Lois Dreyfus operates at POS.	Consultant	
	Line haul		The companies UP, BNSF (POS & POT)		Consultant
Port of Everett	Switchers	1	BNSF	Consultant	
	Line haul	1	BNSF	Consultant	
Port of Olympia	Switchers	1	Olympia and Belmore (OYLO)	Consultant	
	Line haul			Consultant	
Anacortes	Switchers	Unknown		Consultant	
	Line haul			Consultant	

HARBOR VESSELS

Ports	Types of Harbor Vessels	Potential NO. Terminals (Points of Contact)	Notes	Lead	Assist
Non-port specific or companies that work with more than one port	Assist/Escort	32	The Clean Air Agency has connections with most of these companies	Puget Sound Clean Air	
	Government				
	Ferry (other than WSF)				
	Harbor Tug				
	Ocean Tug				
	Work				
NWSA North Harbor (Port of Seattle)	Port Owned Marinas (Commercial Fishing & Excursion Vessels)	4	MARINAS THAT SHOULD BE INCLUDED: Fisherman's Terminal Harbor Island Shilshole Bay Marina Bell Harbor Marina		
				Consultant	
NWSA South Harbor (Port of Tacoma)	Port Owned Marinas (Commercial Fishing & Excursion Vessels)	0		Consultant	
Port of Everett	Port Owned Marinas (Commercial Fishing & Excursion Vessels)	1	MARINAS THAT SHOULD BE INCLUDED: Port of Everett Marina	Consultant	
Port of Olympia	Port Owned Marinas (Commercial Fishing & Excursion Vessels)	1	MARINAS THAT SHOULD BE INCLUDED: Swantown Marina	Consultant	
Anacortes	Port Owned Marinas (Commercial Fishing & Excursion Vessels)	1	MARINAS THAT SHOULD BE INCLUDED: Cap Sante Marina	Consultant	
Port of Port Angeles	Port Owned Marinas (Commercial Fishing & Excursion Vessels)	1	MARINAS THAT SHOULD BE INCLUDED: Port Angeles Boat Haven John Wayne Marina	Consultant	

OCEAN GOING VESSEL

Ports		Point of contacts	Notes	Lead	Assist
All ports based on routes and final destinations	Transiting	8	Potential data sources: MarEx, Lloyd's Register of Ships, Automatic Identification System (AIS) Ports (5), Cruise Line Association, Western States Petroleum Association, Puget Sound Pilots.	Consultant	
	Berth			Consultant	

Attachment E – Requirements for the Emissions Forecasting “What-If” Tool

The following table provides a summary of the minimum, high level, requirements of the 2016 PSEI Emissions Forecasting Tool.

		Met	Not Met	Description of how the requirement is met, or not met, including restrictions and exceptions
	Requirement:			
	1. Pre-populated with all emission inventory data in a format that provides Ports and other agencies the capability of estimating emissions for various scenarios based on data input changes from individual sources and source categories included in the 2016 PSEI.			
	2. Able to save multiple scenarios			
	3. Able to modify the inputs for any specific source included in the emission inventory			

	<p>4. Determine emissions from each sector.</p> <p>List of Sectors</p> <p>Transiting OGVs</p> <p>At Berth OGVs</p> <p>Harbor Craft</p> <p>Locomotives</p> <p>Heavy Duty Vehicles (Drayage Trucks)</p> <p>Cargo Handling Equipment</p> <p>Light and Medium Duty Vehicles</p>			
	<p>5. Determine emissions from each sector for each individual port.</p>			
	<p>6. Determine emissions from sub-groups within each sector. (Consultant will work with Ports to determine specific subgroups and any associated data collection needs.)</p> <p>Potential subgroups:</p> <p>Engine tiers</p> <p>Model years</p> <p>Types of equipment</p> <p>Use of equipment</p> <p>Engine size</p>			

	7. Provide the ability to apply scaling values to each sector and subgroups of sectors.			
	8. Show the age of the equipment			
	9. Show the impact of source ¹ replacements or repowers based on engine tier or engine year			
	10. Show the type of fuel used by each piece of equipment			

¹ Source is defined as an engine, vessel, vehicle, locomotive, truck, or equipment with emissions quantified by any previous or current PSEI

	11. Show the effects of replacing the use of diesel with cleaner fuels			
	12. Show the impact of changing activity levels for any source, such as changes in how much fuel is used or how many hours the vehicle/vessel is operated or number of vehicles/vessels			
	13. Show how the emissions are calculated			