

MILLENNIUM BULK TERMINALS - VANCOUVER
ENVIRONMENTAL IMPACT STATEMENT
PUBLIC SCOPING MEETING COMMENTS

Quiet Room

* * *

October 9, 2012
SEPA 5:00 p.m. - 8:00 p.m.
Clark County Fairgrounds
17402 N.E. Delfel Road
Ridgefield, WA

Cindy M. Smith, CCR
Court Reporter

1 SPEAKER 1: My name is Susan Watkins, S-U-S-A-N,
2 W-A-T-K-I-N-S. And in 1982 I was a student at Xiamn
3 University, that is X-I-A-M-N, in the Fujian Province
4 of China. And I rode the trains to go from Shanghai
5 to Beijing or to Xiamn and other towns.

6 And like many people said, when you go to
7 ride the trains you don't see anything. The air is --
8 that there's nothing in the atmosphere to see. But
9 when you ride those trains and when you blow your
10 nose, it turns your handkerchief black.

11 And then the other thing is that everybody --
12 all the Chinese people carry these cups (indicating)
13 that have lids on them. And that's to keep the
14 contamination out of their tea. So the cold dust is
15 everywhere. You don't see it, but it's everywhere.
16 It's on your clothing, you breathe it, you consume it.
17 It's filthy. And I can't imagine breathing that stuff
18 every day of your life for the rest of your life.

19 So the health issues are tremendous. The
20 other piece of it is that I understand that eminent
21 domain is taking a lot of property to build all of
22 this stuff. Quite frankly, I would like to have food
23 in my belly. So I'm concerned about the impact on
24 farmers and our food supply. Okay? That's all.

25 SPEAKER 2: My name is Charlene,

1 C-H-A-R-L-E-N-E, Ihmoda, I-H-M-O-D-A, and I'm from
2 Hood River. And I came as a mermaid to discuss some
3 of our fish issues. So I came to speak about two
4 things: asthma and mercury issues.

5 So the quick asthma story is I grew up with
6 two coal furnaces. We had a coal furnace in Illinois,
7 Chicago; and a coal furnace in Idaho. And two of my
8 siblings, it was their job to clean the coal furnish.
9 And they got childhood asthma and have had asthma
10 problems their whole adult life. And my daughter has
11 had an asthma issues as well. That's my first point.

12 My next point is I have a medical background.
13 And I came to speak about the mercury in the fish.
14 That's why I wore a modest mermaid costume. Mercury
15 can clog some of our molecules in our body. I had ten
16 years of mercury poisoning from 11 mercury fillings.
17 And when there is more mercury in the air from coal
18 burning, it could be a health issue, and mercury atoms
19 would be clogging where it should be flowing where the
20 oxygen should go in the fish.

21 And this is an example of a hemoglobin
22 molecule (indicating). And hemoglobin -- hemo means
23 blood and globin is a globular ball. So the
24 hemoglobin's job is to carrying iron to the cells.
25 So what happens, there are four sites in the

1 hemoglobin molecule that carry oxygen.

2 But when people have mercury poisoning, they
3 have too much mercury, and then the mercury can come
4 and clog the four oxygen sites. And it can cause a
5 lot of fatigue and many health issues. And I had
6 severe fatigue for many, many years.

7 One last thing. Where I live in Hood River,
8 there are many orchards. And mercury is in the
9 sprays. So Hispanics who are exposed to it in the
10 sprays are breathing it. All that mercury is
11 biocumulative in their body. Thank you very much.

12 SPEAKER 3: Stephen Wilson, S-T-E-P-H-E-N. I
13 reside in Longview, Washington on Mount Solar Road.
14 I'm here today to offer my comments on the EIS
15 scoping. The importance is meaningful to me and my
16 family as I am one of the closest residential
17 neighbors to the proposed Longview terminal facility.

18 In doing so, I have reviewed the -- at least
19 the JARPA, and I'm, actually, fairly impressed with
20 the identified hazards. And the impression that I'm
21 impressed with is it offers control to these problems.
22 In other words, me being a neighbor, a direct
23 neighbor, and my family, I would be dead set against
24 any facility that would not have measurable controls
25 in place.

1 For me, my situation is very unique because
2 I'm only one of four families that live within a
3 stone's throw of the site. Reviewing the comments
4 that I have seen and the application, I feel pretty
5 assured that a lot of my concerns are going to be
6 addressed, which is, obviously, fugitive dust, noise,
7 glare.

8 Another encumbrance that a facility like that
9 next door to my back yard will embrace, the beauty of
10 it is, this is a regulated industry. So if I don't
11 like it or if they do get out of control, I have the
12 method and the process to go bitch, moan, complain,
13 and seek resolution because I can approach my
14 regulators if they cross the line and don't keep
15 compliance with the conditions set forth in the EIS,
16 which is going to be developed in the permit.

17 So my family and I are not scared or
18 terrified. In fact, we actually embrace the fact that
19 this is a controlled site and will have regulatory
20 oversight. The previous site conditions have had to
21 have been remediated. And that's a good thing.

22 Something else, I'm also an ex-locomotive
23 engineer and conductor for Union Pacific Railroad. So
24 as an employee, which I no longer work for them, I
25 drove those coal trains around. And I was very

1 impressed for the controls in place.

2 As a crew member, I never feared for dust or
3 carcinogens because of the measures we had in place.
4 We had policies and procedures. That's my whole
5 theory of supporting this site is because of these
6 controls will afford us the protections.

7 I'm not going to say these jobs are the
8 greatest thing on earth because I would never want a
9 plant to promise jobs. I've worked around this
10 product and commodity for 30 years. I'm 54. I'm good
11 to go. So Millennium Terminals, we wish you luck. We
12 hope this can go through.

13 SPEAKER 4: My name is Camille Jackson,
14 C-A-M-I-L-L-E, J-A-C-K-S-O-N. For my comment, my
15 husband died of lung cancer at the age of 41. He was
16 born and raised in Pasadena, Texas in the middle of
17 all the oil refineries. We almost lost our son at six
18 months old. And I was advised by our pediatrician to
19 move out of Houston and get someplace where there was
20 breathable air, like Colorado.

21 My husband got a job at Tektronix. And we
22 checked with our pediatrician, and our pediatrician
23 checked into the climate and said it was perfect.
24 Lung cancer is a horrible disease to die from. He was
25 in pain for three, four years. And when he died I was

1 left alone with a three-year-old and a 12-year-old to
2 raise alone. My son is asthmatic, as well as his
3 children. So my -- I'm against the coal trains simply
4 because I want my son and my grandchildren to be able
5 to breathe this air and not to die at a very young age
6 like my husband did. That's all I have to say.

7 SPEAKER 5: My name is Michael Hall, H-A-L-L.
8 There are a lot of reasons why I think bringing huge
9 coal trains down the Gorge and into the Northwest is a
10 very, very bad idea. I love hiking in the Gorge. I
11 love how clean it is. I love the rivers. Um, it's a
12 very special part of the country that we live in. And
13 many of the impacts of large coal trains would very
14 much threaten that.

15 You are going to hear all the reasons from a
16 lot of people coming through. But the one thing that
17 I'm struck by, people talk about the jobs that this is
18 going to create. I read that Governor Cuomo of New
19 York commissioned a study there to see if that state,
20 as cloudy and cold as it is, could provide all of the
21 energy they need from renewable resources.

22 And he hired some smart people to look into
23 that. They said the answer is yes, by 2030. And to
24 convert from there current system to that system would
25 generate a large number of jobs. If you took the

1 number of jobs that would be created in New York
2 compared to the population of New York, and you
3 projected that across the country, if it bore out
4 equally in all places, the total number of jobs across
5 the United States to convert to renewable sources
6 would be over 900,000 jobs.

7 So the whole issue of jobs, it doesn't make
8 sense to me. I hear people say that we need jobs, we
9 need jobs. Clean energy creates job. We just have to
10 be resolute in making a decision to move in that
11 direction.

12 So for the sake of not just a 65-year-old,
13 but my kids and my three grandkids, who are going to
14 be around a long time, we need to just reverse the
15 horrible trend toward putting more and more carbon in
16 the air and more impacts and get this thing leveled
17 back out again and give them a chance for a good life.
18 Thank you.

19 SPEAKER 6: So I'm John Fite, F-I-T-E. I'm a
20 professor of economics at Clark College and I'd like
21 to ask in consideration of this coal project that
22 proper concern be given to opportunity cost. In other
23 words, what are the foregone opportunities that this
24 project will create? If we build the coal terminal,
25 are we precluding development in Longview? Are we

1 precluding development in Clark County and Cowlitz
2 County? And to what extent are we doing this?

3 These opportunities that we will have to
4 forego should be specified in significant detail so
5 that we can analyze truly the alternatives to having
6 this coal facility in Longview. Additionally, as a
7 resident of Vancouver near the railroad tracks, I am
8 very concerned about the noise pollution and otherwise
9 degradation -- other degradation of the environment
10 for those of us who live close to the railroad.
11 That's all.

12 SPEAKER 7: My name is William Montgomery,
13 W-I-L-L-I-A-M, M-O-N-T-G-O-M-E-R-Y. I'm a resident of
14 Vancouver, and I live on Evergreen Boulevard -- or the
15 Evergreen Highway next to the tracks. I have several
16 questions that I would like to have answered by the
17 DOE. Number one, DOE ordinance 2.3.3.2 focuses on all
18 the areas that coal travels in our state.

19 Please study the wetlands, aquifer recharge
20 areas, fish and wildlife areas with regard to the
21 present coal dust and particulate discharge from coal
22 cars traveling on the Columbia River. It is
23 established that coal is presently and in the past has
24 been deposited in the Columbia River and is building
25 up. This is evident in the Columbia River Gorge area.

1 Ordinance 2.3.3, explain why this would not
2 be and is not now an imminent threat to public health
3 and safety, public and private property, and why it is
4 not causing environmental degradation currently and in
5 the future.

6 Please review all video documentation of the
7 coal present on our shorelines and in our rivers and
8 evaluate the increase in coal and emissions if the
9 Longview coal port is approved. DOE has accepted the
10 responsibility for reducing toxic threats.

11 Coal and diesel are a toxic threat to the
12 rivers, streams, shorelines, fish, wildlife,
13 percolation into the seeps, harvested edible plants,
14 pollinating bees, humans, animals, air quality. And
15 finally it also creates acid rain.

16 Please study the effects of the passing coal
17 trains today and evaluate the damage of the increase
18 in coal trains if this coal port is approved. What
19 are the costs to date and what future costs of cleanup
20 of deposited coal particulate and contamination
21 related to it as seen along the Columbia River.

22 Please do a complete evaluation of the
23 shoreline toxins and the toxins present in our marshes
24 due to the present deposit of coal and evaluate the
25 cleanup of the river and soils today and in the future

1 if the port is approved.

2 Please report the total cost to the
3 taxpayer's in Washington state for cleanup from the
4 coal present today and the eventual cost if this port
5 is approved. The DOE is responsible for spills and
6 reporting cleanup. Spills of coal particulate are
7 documented and averaged for each coal car per mile.

8 The railroad has reported that between 500
9 and 2000 pounds of coal per rail car are deposited on
10 the shoreline and in the river in the -- and other
11 properties as the coal is being transported from its
12 existing mining location to the Port of Longview.

13 Has the DOE been containing this damage from
14 passing coal trains in and on our rivers and soils
15 today? If not, why not? When can we expect a report
16 on the damage by passing coal today and a complete
17 report on the expected damage if this port is
18 approved.

19 The DOE protects clean air, public health,
20 and the environment. The air quality program mandates
21 that the air meet certain standards. Coal dust and
22 diesel particulate are present at my home and many
23 others along the railroad tracks. I find it on my
24 plants. And I have lost vegetables. And other
25 various plants in my yard are suffering.

1 It is on my windows and siding and I must
2 wash my house exterior with a brush to clean it off.
3 With this on my home, it is a certainty that it is in
4 the air I breathe. We found deposits of it in the
5 carpeted areas of the house where air is pulled in
6 through the ventilation system. Coal dust has very --
7 has very harmful effects on humans. Allergies are
8 increased.

9 In my case, I'm not able to use my yard as I
10 please nor can I leave my doors and windows open.
11 This is a direct violation of the Air Quality Act and
12 it is ongoing with six coal trains a day. This will
13 become deadly if the port is allowed for coal anywhere
14 in the state as trains will travel past my house to
15 deliver the coal to many different potential shipping
16 sites. Thank you very much.

17 SPEAKER 8: My name is Darrel Chapman. Every
18 time we create a job it represents a man or woman
19 supporting a family. Those paycheck dollars ripple
20 out through local communities like ours. After a
21 lifetime of hard work, I urge policy makers to vote
22 working class and what jobs can mean to families.

23 I say this as the president of the Snohomish
24 County Labor Council. I also say it as a veteran of
25 two years in Vietnam, two years on the Trans-Alaska

1 pipeline and many more doing construction.

2 As a veteran and a guy who has done the tough
3 jobs my whole life, I can tell you that all I have
4 ever needed in my working life is a job. I have
5 turned every job into a roof over my head, groceries
6 for my family, and opportunities for my kids.

7 I don't need to make the case for how many
8 jobs matter here in Snohomish County, which is part of
9 the larger picture. If you're anything like my
10 friends, family, and neighbors, you have seen job loss
11 and underemployment firsthand.

12 We cannot afford to be neutral when faced
13 with the prospect of putting people to work. Most
14 people would join me in saying that we need to make
15 room for new industries here in Washington state. We
16 are fortunate to have a chance right now to do just
17 that.

18 You've probably heard about three proposals
19 here in the Northwest for construction of new
20 terminals for exporting coal and other commodities.
21 The projects proposed in Longview and Bellingham,
22 Washington, and in Boardman, Oregon would completely
23 transform those local economies.

24 I know I share many people's opinion when I
25 say our region needs what these projects can bring,

1 especially investments in our trade economy, new money
2 for struggling local governments, and opportunities
3 for family-wage jobs combined. These three Northwest
4 projects will create thousands of jobs and millions in
5 tax dollars while making it possible for lots of other
6 types of export product to go to market.

7 I'm not shy about my excitement and look
8 forward to adding my voice and support. We need these
9 jobs now, and we need government to commit to a fair
10 and timely process for review. That's why I was glad
11 to see the U.S. Army Corps of Engineers' announcement
12 that it will conduct its own independent environment
13 review of the proposed Gateway Pacific Terminal.

14 I think this means that the Corps is changing
15 to a different path than Washington State Department
16 of Ecology. Many think the Department of Ecology's
17 decision will set a new precedent that might disrupt
18 any number of future trade-related projects in our
19 state.

20 When the Washington State Department of
21 Ecology released its intended method of evaluating the
22 Cherry Point project in Bellingham, a lot of people
23 who followed these things were pretty surprised. It
24 included analysis of railroad transportation in
25 Washington state and beyond state borders, an

1 assessment of how projects would affect human health
2 throughout the state of Washington, a general
3 assessment of cargo ship impacts beyond Washington's
4 waters, an evaluation of greenhouse gas emissions that
5 may or may not result from coal use in China.

6 Imagine if the same standard was applied to
7 facilities built to transport apples and airplanes.
8 I'm really worried about what this means for the
9 future. From my own experience and from talking to
10 experts, I know that the Department of Ecology's scope
11 is much different than the usually approach.

12 The only explanation I have for why the
13 Department of Ecology would make this decision is that
14 the environmental review process is used to cater to
15 project opponents who think coal exports will increase
16 worldwide greenhouse gas emissions.

17 The reality is that the Gateway Terminal near
18 Cherry Point near Bellingham makes up one percent of
19 Asia's annual consumption. Much too small to impact
20 demands or use of coal in Asia. For people who do not
21 like coal, the Department of Ecology's decision may
22 not seem like a big deal. I really encourage those
23 people to think about the issue more broadly.

24 After all, it wouldn't be a stretch to assume
25 that at some point the precedent that the state is

1 creating today could affect permits for new aircraft
2 manufacturing facilities. It's not just Boeing who
3 would be at risk in this scenario. Everything we
4 transport, from wheat to barley to wine, can suddenly
5 be subject to the same set of reviews. I am glad to
6 share that -- I am glad to share that part of the
7 Department of Ecology's environmental review process
8 is deciding to have public comment giving all of us a
9 voice here.

10 The Millennium Bulk Terminals project in
11 Longview is currently going through the public comment
12 phase and has joined the Department of Ecology and
13 Cowlitz County to announce a series of public hearings
14 happening throughout the state: The hearing September
15 25th in Spokane; October 1st in Pasco; October 9th in
16 Clark County, fairgrounds north of Vancouver; and
17 October 17th in Tacoma. I think these meetings are
18 perfect opportunities to get involved and show the
19 support on this important issue.

20 I am excited for the possibility of more
21 trade and jobs in Washington state. As a labor leader
22 and a veteran, I know the benefit of tax dollars
23 resulting from private investment. It means safer
24 communities, better care for veterans, and investment
25 in infrastructure. I proudly support these products.

1 I am Darrel Chapman, president of the Snohomish County
2 Labor Council and I hope that you read this. Thank
3 you very much.

4 I have one more statement to make. As a
5 person who studies the constitution, I'm well aware
6 that -- under the constitution that the Interstate
7 Commerce Act is very clear that you will not interfere
8 with interstate customers. I'm also very aware of the
9 Railroad Act of 1864.

10 So BNSF doesn't have to pay any attention to
11 what anybody wants. They've been moving coal through
12 Washington state for 30 years. And all they want to
13 do, at this point, is to increase the number of coal.
14 I'm well aware of the problems in Edmonds, Washington,
15 and Marysville, Washington with the blocking of the
16 trains and also the problem with the ferry terminal in
17 Edmonds.

18 And no matter what they do, this is going to
19 happen with the coal trains. What we need to do is
20 mitigate the situation for the railroad to cover those
21 costs. Thank you very much.

22 SPEAKER 9: My name is Andy Stephens,
23 S-T-E-P-H-E-N-S. I'm the vice president of Business
24 Development and Terminals at Tidewater barge lines.
25 Tidewater has been in business for 81 years along the

1 Columbia and Snake Rivers with terminals and barge
2 operations moving commodities. We enthusiastically
3 support this project because, first, we believe
4 Millennium Terminals is going to do it right. And
5 right in a way that I mean that they will follow the
6 regulatory requirements and make sure that they're
7 abiding by the law and taking care of the terminal to
8 operate it properly and, um, in a correct manner.

9 I also think they're going to provide, on an
10 ongoing basis, many strong paying jobs with good
11 benefits. That is really key to this part of the
12 river system, and in that area in particular where
13 unemployment has been difficult and a challenge for
14 many years. So thank you for this opportunity to
15 present this testimony.

16 SPEAKER 10: I'm Alan, Peffley, A-L-A-N,
17 P-E-F-F-L-E-Y. This is all about balance of trade.
18 We owe a lot of money to China. And a lot of the
19 product will probably go to China. Unlike liquid gas
20 and oil, it's not really a spill problem, as I see it,
21 with this type of product. And if the plant is built
22 to current EPA standards, then there shouldn't be a
23 problem with the dust. And we already have a coal
24 plant in Washington state in Chehalis. And the trains
25 go past here with coal in them. So this is much

1 different than that. I live in Kelso -- thank you.

2 SPEAKER 11: All right. Okay. My name is
3 Warren Zimmerman. I strongly oppose the construction
4 of the coal export terminal at Longview, Washington
5 which would transport coal on trains and ships
6 throughout the Northwest. This proposal would
7 negatively affect my community by increasing
8 congestion and noise with more coal train traffic
9 polluting our air and local waterways, harming
10 existing businesses and delaying emergency responders.

11 It would also damage many aquatic and
12 ecosystems and fishing areas on the Columbia River,
13 harm human health, increase tanker traffic and the
14 potential for shipping accidents and spills, expand
15 strip mining in Wyoming and Montana, and escalate
16 climate change. I urge you to consider these impacts
17 in scope of the EIS statement.

18 And I'm concerned that for 150 jobs in
19 Longview we are willing to sacrifice the health and
20 safety of the thousands of people along the Columbia
21 River. Please consider all social, economic, and
22 environmental factors in the EIS, including no action.
23 We need green jobs, not more dirty jobs.

24 SPEAKER 12: My name is Tony Dionne,
25 D-I-O-N-N-E. I am an RN. And I came to Oregon

1 because it was beautiful, clean, pristine, green, and
2 environmentally conscious. I moved out of California
3 as fast as I could. I grew up in Pittsburgh,
4 California. When I was a child they had a coal fired
5 electric plant there. They produced electricity for
6 PGE. I grew up with an autistic sister, um, an older
7 sister with a lot of allergies and problems, asthmatic
8 younger sister, a brother with severe bronchitis, who
9 eventually died.

10 I am now a widow. My husband worked in the
11 diesel industry, in trucking and around trains for
12 years. I grew up by the train yards. The diesel
13 industry is filthy. Diesel trains dump enough toxins
14 in the environment. We don't need more. My
15 granddaughter recently was tested for lead and showed
16 positive.

17 Unfortunately poor people are the majority
18 that live by train tracks. That was the only place
19 they could afford to buy was close to the train
20 tracks. A nice little house, nice yard. Train tracks
21 100 yards away. Her positive lead was not found in
22 the house, but it is found in the yard. And we think
23 it's related to the diesel that comes from the tracks.

24 They can't afford to clean up their yard. I
25 do not want this to happen to more people's

1 grandchildren. I would like my environment to be
2 cleaner when I leave this earth instead of dirtier.
3 Thank you.

4 SPEAKER 13: I'm Marian Drake, M-A-R-I-A-N,
5 D-R-A-K-E from Portland, Oregon. And the Portland
6 City Council has made a resolution against the coal
7 trains. It was unanimous, I believe. And I live in
8 an apartment building with 172 units, which is right
9 next to the coal trains at 5800 N.E. Center Commons
10 Way, Apartment 213 in Portland.

11 And I have chronic sinus trouble. And I live
12 in a senior building where a lot of people have
13 chronic breathing problems of one sort or another.
14 There's also a playground at our complex where a lot
15 of children play. And I feel that dust from the coal
16 trains would be very detrimental to us all.

17 Um, if the coal trains do come through our
18 neighborhood, I would have to move. And I think
19 others too. But somebody else would move in and they
20 would have to breathe the dust. And so, I'm opposed
21 to the coal trains.

22 SPEAKER 14: I'm Cathryn Jo McNulty,
23 M-C-N-U-L-T-Y. My request is that you consider all
24 factors leading to air pollution for the EIS. Simple
25 fact, when each of us was born we took our first gulp

1 of air. No breath, no life. Simple equation. When
2 air is contaminated it is the well-documented
3 delivering agent for sickness and disease, especially
4 in the young and old.

5 I take that personally as the aging mother of
6 a son with job-related asthma; grandmother to his
7 young sons, both with allergies; neighbor of many
8 other young ones on our block. We live one quarter of
9 a mile from a railroad track that would carry the
10 coal. Our elementary school is closer. We are a
11 microcosm of neighborhoods, young and old, all along
12 the train tracks leading to the proposed coal
13 terminals in Longview.

14 I'm not a scientist. I'm a consumer of air.
15 Whether clean or polluted, trains, in particular, are
16 well-documented contributors of diesel and coal
17 particulates. The public has always tried to play
18 catchup to industry. For example, asbestos. The
19 industry knew of asbestos dangers 30 years before the
20 public caught up with the facts. Facts from other
21 parts of the United States are clear on coal.

22 The question for you to resolve is do we
23 again choose economic gain as the main priority or a
24 balance of sustainable health for both the economy and
25 the planet and all life that occupies it? It's in

1 your hands.

2 In closing, I request that you study the
3 impact of air pollution from coal and diesel fuel
4 trains on the environment and its inhabitants in
5 Longview and trains en route to Longview. Coal is not
6 the only issue in burning up the planet. But it is
7 the one in front of us for you to decide. Thank you.

8 SPEAKER 15: My name is Elaine Sharp. I live
9 in Longview, Washington. I do not want the coal
10 terminal to be built in our town. I want to be able
11 to open my windows and not have coal dust come in and
12 coat my house inside. I do not want coal dust to coat
13 my house on the outside. I do not want a coal
14 terminal in Longview. Thank you.

15 SPEAKER 16: Good evening. I'm Chris Comer,
16 a resident and environmental science teacher in
17 downtown Vancouver. We would experience direct and
18 negative consequences if Millennium's dead-end
19 business venture comes to fruition.

20 Obviously, I'm against the plan. Last month,
21 due to the growing public outcry about spoiled air,
22 water, and soil, China published a plan on its
23 official Website to reduce its dependence on coal and
24 increasing investments in less polluting sources of
25 energy.

1 Actually, implementing this plan will be
2 challenging. I truly hope it is successful for many
3 reasons. However, tonight I will focus on one major
4 issue: the issue of ocean acidification as a result
5 of absorbing carbon dioxide emissions. Because of
6 this absorption, the ocean is more acidic today than
7 it has been in the last tens of millions of years.

8 Why does this matter? Well, it's greatly
9 reducing the ability of marine life such as
10 phytoplankton, which produces 50 percent of the oxygen
11 that we breathe, to build their necessary
12 calcium-based shells. Has the ocean's acidity level
13 dropped as a result of natural carbon dioxide in the
14 past? Yes. It appears that four or five great mass
15 extinctions were likely triggered by such events.

16 While the regional impact to Millennium's
17 plan would be negative and offer very little in return
18 to our local economy, their outdated business model
19 will also provide cheap fuel at our expense which will
20 ultimately contribute to a much larger global crisis.

21 The cliché "There are Many Fish in the Sea"
22 may one day become obsolete if business ventures such
23 as Millennium's are realized still holds true today.
24 So let's hold out for a forward-thinking business
25 model based on the reality of the 21st century.

1 SPEAKER 17: The issues have been well
2 presented. The question that I would like you to
3 consider is this: When you've made your decision,
4 will you be able to go to a grade school and explain
5 to the students how you're provided them a better
6 place? That's it. Oh, I guess I'll put my name,
7 which is Goeff, G-O-E-F-F, Reynolds. Clackamas
8 County, Oregon.

9 SPEAKER 18: My name is Sarah Collmer. And I
10 live in downtown Vancouver, Washington near the
11 Columbia, an area by and through which coal trains
12 will travel if coal profiteers are allowed to
13 trespass.

14 As a mother and citizen, I'm concerned about
15 the health and safety of my children and my community
16 now and in the future. I have a responsibility to my
17 kids, to my community, and to forthcoming generations
18 to make choices that sincerely reflect these concerns.
19 This is why I am strongly opposed to the Millennium
20 Terminals project which poses a lasting threat to our
21 environment and economy.

22 The transport of coal in open containers
23 through Vancouver promises to increase particulate
24 matter and heavy metals in the air my children
25 breathe. It will degrade the water quality and

1 ecosystem of the Columbia River, an invaluable natural
2 resource, a source of recreation for my family and
3 source of livelihood and commerce for our community.

4 We will not profit. My children and my
5 neighbors' children will not profit from Millennium's
6 myopic venture. It is certain, however, we will
7 ultimately pay with our health as asthma and
8 respiratory ailments increase; with our livelihoods as
9 the river and waterfront developments become coal
10 contaminated; and with our wallets as we are taxed to
11 pay for the environmental mitigations necessary to
12 reclaim, as best we can, the water, the air, the soil,
13 the life on which we rely.

14 I will not be complicit in endangering my
15 children and community for the profit of distant and
16 indifferent CEOs. I will not be complicit in
17 burdening my children and community with
18 disproportionate taxes for environmental mitigation
19 which will likely be costly, lengthy, and ultimately
20 only partially successful.

21 I ask you to conduct a full and comprehensive
22 review from mining, to transport, to burning abroad,
23 and to refuse the long-lasting sacrifice of our kids
24 and communities for the short term prosperity of
25 self-serving companies.

1 SPEAKER 19: My name is Lee Dayfield,
2 D-A-Y-F-I-E-L-D, and I live in Multnomah County in
3 Oregon. And I just feel that the coal companies
4 should have to pay for the environmental and health
5 damage that they do as a result of transporting the
6 coal through all the states that they're intending to
7 go through. Not only Washington but Idaho and
8 Wyoming, I guess, and Montana.

9 Perhaps a mitigation fund should be required
10 of the Millennium company, if this goes through, right
11 from the beginning to pay for these mitigations -- or
12 for the health and the environmental impacts, the
13 damage that they do.

14 I recently traveled through Montana and Idaho
15 and was made aware of how many schools are very close
16 to the railroad tracks in these states. And I'm sure
17 it's probably true in Washington as well. And I think
18 some studies should be done that directly shows the
19 impact of the diesel exhaust and the coal dust, um, on
20 the schools and parks that are close to the railroad
21 tracks.

22 That's -- I guess I shouldn't even limit it
23 to just that. It's also the houses and everything
24 else. But I was particularly struck by how close the
25 railroad tracks were to schools and the children were

1 out in the playgrounds. And I think that's all.

2 SPEAKER 20: Hello, my name is Lisa Adatto,
3 A-D-A-T-T-O. And I'm from Lake Oswego, Oregon. And
4 so climate change and CO2 is a new issue, relatively
5 new issue for the Department of Environmental Quality.
6 The proposed coal trains would result in a vast amount
7 of carbon emissions, two times the amount that the
8 state of Washington currently emits for everything.
9 So this proposal is very vast.

10 I applaud the Department of Environmental
11 Quality for this review and know that Washington has
12 goals to reduce CO2. I urge the DEQ to undertake a
13 broad-based review and evaluate the cost of the
14 climate change now and in the future as part of the
15 review.

16 Climate change has cost our society in the
17 U.S. over \$100 billion last year. Drought, storms,
18 fires, flooding have all had an impact. We should
19 look at what will be the impact in the Northwest on
20 cattle and the wine industry, fisheries, crops, shell
21 fish, and other industries such as already here in the
22 Northwest.

23 We should also evaluate the environmental
24 impact of climate change that would result from the
25 vast increase in emissions from these -- from the coal

1 exported since that has a worldwide impact; the impact
2 on trees, the oceans, rivers, and streams, wildlife,
3 and loss of habitat, and more.

4 We should also evaluate the social impacts of
5 climate change; impacts on people who might be forced
6 to move; impacts on people's health and happiness.
7 And thank you for hearing my testimony.

8 SPEAKER 21: My name is Jerome Buckmeyer.
9 And I'm a retired teacher for the Washington State
10 School for the Blind. And the reason I'm talking, I
11 believe this is for the kids. And I am for the
12 Millennium. The reason I'm for the Millennium, number
13 one, is the fact that it helps U.S. trade in our
14 surplus. It will help create a surplus. Thus the
15 factor is the United States Department of Education
16 will not be competing for the money that all of a
17 sudden has to go for paying the debt down in that
18 regard. Thus the kids will have more money for the
19 schools.

20 Number two, the local and state government
21 will receive more tax dollars. And I know Washington
22 State School For the Blind, they get all of their
23 money from the state. Thus the state funds will
24 basically help pay for their education. And every
25 year Washington State School for the Blind is fighting

1 for money for education because, again, this is a
2 competing process. The pot is only so big.

3 The third thing is the fact that government
4 subsidies right now for alternative energy, cars --
5 good example is Tressler. Tressler, the United States
6 government had to do one thing: basically give them
7 large money for that. The wind generation, because of
8 the fact we don't have all the different transmission
9 lines, et cetera, United States government and
10 Bonneville Power Administration all of a sudden had to
11 pay that. Various things, that money, again,
12 education is competing with that.

13 And if you look at all the alternative parts
14 right now, be it solar, be it whatever, those things
15 are not making profits on their own. Thus they're
16 taking money from the government and the government is
17 taking money from the education.

18 Lastly, if you look throughout history,
19 capitalism which is based on the fact that when you
20 make money in one area, things come into the area and
21 all of a sudden build upon that. So it will -- as
22 other industries come into the area, not just the fact
23 the coal terminal or if you use of the oil, if you use
24 it to expand lumber, et cetera, for exports, it will
25 also bring more industry in that area. And with more

1 industry comes more tax dollars and more tax dollars
2 helps pay for the education. For me, I am entirely
3 for it.

4 SPEAKER 22: My name is Matt Briggs, small
5 businessman in Clackamas County, Oregon. My pitch is
6 three fold. I think that as a business, coal is on
7 the way out. This year there's five percent reduction
8 in exports. Next year there will be five to ten
9 percent more reduction in exports.

10 The Chinese are on track with all their
11 regulations and changes to be a nonimporter of coal by
12 2015. That's only two more years from now. The India
13 Coal Company is changing into a renewable energy
14 company because they see it as a better way to
15 electrify villages without transmission lines, but
16 with solar. It's a bad business model. It's going to
17 go away. Longview is going to be stuck with a big box
18 store.

19 The consequences of doing this
20 environmentally are that forest fires will increase
21 five to 600 percent by the end of 2100. Two-thirds of
22 all living things will be extinct. The oceans will be
23 acidified and the fish will be dead and full of jelly
24 fish. All the coral reefs will be gone.

25 There will be no agriculture with grains.

1 And any central continent won't be able to grow corn,
2 wheat, or soybeans. It will be too hot and not enough
3 water. They will have wild weather: droughts, floods,
4 ocean rise. A lot of effects, besides a lot of health
5 effects. I think it's important to think about
6 something like this.

7 We used to think we couldn't get by without
8 slavery, that we couldn't change because it would take
9 away our way of life. But we were able to change.
10 Substitute the word slavery for coal. And that's the
11 kind of change we need. Thanks.

12 SPEAKER 23: My name is Cynthia Vogel. I was
13 born and raised in Clark County and I've made my life
14 here. I feel that the scoping in this issue needs to
15 be addressed with a wide scope considering fish,
16 water, air, and also the cultural implications.

17 My late father, Ron Vogel, was former CEO of
18 Great Western Malting Company in the Port of
19 Vancouver. He was educated as a chemist and was pro
20 industry. However, he was aware of the need for
21 responsible growth and was instrumental in the
22 implementation of the Columbia River Scenic Protection
23 Act and the formation of the Columbia River Gorge
24 Commission. Today, Friends of Celilo Falls, a new
25 organization, of which I'm an active board member, has

1 a different vision. One that would create long-term
2 local jobs, to permanently restore the falls and the
3 native fishery at Wishram.

4 We are pitching our vision to the Columbia
5 River Gorge Commission and leaders in Oregon and
6 Washington. We owe it to ourselves and to future
7 generations to reverse the course in the destruction
8 of our beautiful home and planet. I'm a voice
9 strongly opposed to coal terminals.

10 SPEAKER 24: JoAnna Kirchhoff,
11 K-I-R-C-H-H-O-F-F. And I'm from Portland, from
12 Multnomah County. I just wanted to say that after
13 listening to the testimony today and listening to
14 people's personal comments, which are always effecting
15 because it's something that comes from the heart, and
16 then listening to the rebuttal, um, mostly from people
17 in support of the Millennium Terminals, one of the
18 things I noticed was that the word "facts" came up
19 often.

20 And in this kind of testimony there is no
21 instant fact checking, but it's more an effort to get
22 the interests that people want fact checked onto the
23 table.

24 So I wanted to bring up an issue that I
25 didn't hear mentioned tonight which is the economic

1 projections of the coal industry. If you look at the
2 recent reports by IHS; if you look at Wall Street,
3 especially Goldman Sachs; if you look at even the
4 Texas oil companies that have long history of
5 investment in resource extraction, what you will begin
6 to see as you review the literature is that they're
7 deciding that it doesn't pencil out.

8 This kind of resource extraction is no longer
9 profitable because of, first, the new EPA restrictions
10 in the United States which have made coal burning
11 facilities responsible for lower emissions. The
12 technology is so expensive that many people are either
13 shutting down their plants or stopping the projects
14 they had on line.

15 The next is even China has turned away from
16 coal burning because they are observing the effects on
17 their own citizens. And even though their middle
18 class there has little voice, they -- cost of medical,
19 the medical expense that they are going to incur in
20 China has given the government to start looking for
21 different sources of energy. So the idea that this is
22 economically feasible is, if you do the fact check, is
23 really not true. And I think from the small research
24 I've done, that one of the reasons the coal companies
25 continue is that they need to make as much profit as

1 quickly as they can because the end is in sight. I
2 wanted to bring it up because I didn't hear it
3 mentioned. Thank you.

4 SPEAKER 25. Well, my thought is that this is
5 a controversy between jobs and the environment. And I
6 believe that there's not going to be enough permanent
7 jobs created to make it worthwhile for all the damage
8 that's going to be done to the environment.

9 When the temporary jobs have gone, the coal
10 trains will keep on coming and coming and coming. And
11 the land, the water, the air is going to be -- keep on
12 being polluted by them. And when that's over with,
13 they're going to ship it to Asia.

14 They're going to burn it over there and the
15 prevailing winds will return it back on us. That
16 doesn't say anything about global warming at all.
17 It's just a bad deal for the Northwest. Okay. Thank
18 you. My name is Martin Anderson and I live in
19 Portland, Oregon.

20 SPEAKER 26: Bonnie Meltzer, M-E-L-T-Z-E-R.
21 I'm from Portland, Oregon. This afternoon the
22 electricity went off after a truck hit a power pole.
23 I was wondering when that happened what would have
24 happened if it was a coal train accident.

25 Now, the electricity came on right away

1 because there was a generator in this building. I
2 don't have a generator. And I live between two
3 railroad tracks. Besides I think that we need to
4 study accidents, coal train accidents. And I know it
5 doesn't pertain to this particular project, but I
6 think they should also study accidents with the
7 barges, especially since covered barges are an
8 experiment.

9 But what I really came here to say today is
10 that you can't study what happens in Longview alone.
11 You have to even study what happens in Clatskanie.
12 You have to take both of those ports, those proposals
13 together. They both are right across the river from
14 each other. And if both of those projects were
15 accepted, it would be catastrophic and it would ruin
16 our Columbia River, our beautiful river.

17 There is a cumulative effect that's more than
18 double-trouble. But actually, I don't want you to
19 just study those two projects. I want you to study
20 all three of the projects. What if all three of them
21 were accepted. There are areas in my neighborhood in
22 north Portland, all of Vancouver, the Columbia River
23 Gorge, all of them would be affected way more than
24 even the one -- each singular project. It would be a
25 shame if any of those projects happen. If all of them

1 happened, I think it would be tragic.

2 SPEAKER 27: My name is Kathy Lane. I live
3 in Clark County, Washington and I'm here because I
4 love the Columbia River and the Gorge. I have lived,
5 worked, and raised my children in Vancouver. I moved
6 here from New York City years ago, but stayed here
7 because of the beautiful, pristine views; clean air
8 and water; and the incredible recreation opportunities
9 of this area.

10 I started windsurfing in the early '90s and I
11 completely fell in love with the Columbia River Gorge.
12 Now the river, the Gorge, Vancouver, and our regional
13 and local economy, which includes tourism, outdoor
14 recreation, may be severely damaged by the coal
15 exports.

16 I'm concerned about the powdery coal dust
17 coming off these trains is already causing health and
18 economic impacts with only six coal trains a day. I
19 see the coal dust in the Gorge and along the river
20 when I go windsurfing. Just last month when I was
21 parked at my favorite spot in Lyle, Washington, in 30
22 minutes' time my car was covered with black dust from
23 just one coal train passing by while I was down at the
24 river. I wonder what my lungs look like from
25 breathing this dust.

1 There is so much coal dust coming off the
2 trains that you can actually scoop up handfuls of coal
3 dust near the train tracks and along the downhill path
4 leading to the river. It's everywhere along the path.
5 And all of us were breathing the fine particles into
6 our lungs.

7 Not only that, but it's washed into the river
8 as soon as it rains. Coal dust is known to contain
9 poisons like arsenic, cadmium, barium, chromium,
10 selenium, lead, and mercury which can cause cancer and
11 other health problems.

12 The Gorge is one of the most popular areas in
13 the world for windsurfing and outdoor sports. People
14 worldwide come here to enjoy the pristine, natural
15 views in the Gorge. What will the coal trains
16 blasting through the area do to our tourism economy?
17 And what effects will the coal dust have on our
18 health?

19 Please do a broad study that includes the
20 total economic costs, environmental and health impacts
21 that coal dust and exports will bring. Thank you.

22 SPEAKER 28: Okay. People have been
23 commenting continuously on the health problems caused
24 by coal, on the environmental problems. And I'm not
25 going to comment on them because the evidence is so

1 clear, so overwhelming.

2 But I would like to comment on the social
3 environment which is also failing us. We have watched
4 government failing us from the federal level right
5 down to the state level. And even the local level in
6 that government is not protecting our ability to live
7 on this planet. When a local government responds to
8 this need, it is overwhelmed by the state government.

9 We have the example of Townsend, Pennsylvania
10 reacting to the dangers of fracking to their water
11 supply, and the state legislature taking the right to
12 pass those laws away from them. We have the same
13 thing happening in Oregon with the GMOs, genetically
14 modified organisms, prohibited by Jackson County, and
15 then Jackson County being -- um, Jackson County's
16 ordinance being nullified by the state legislature
17 which takes full responsibility for GMOs. Why haven't
18 they taken that responsibility in the past?

19 Every week I receive invitations to face
20 arrest on the front lines of some environmental issue.
21 I would do so in this one. And I do not believe that
22 the trains are defensible. I do believe that from
23 Wyoming to the coast, there are too many people who
24 will sit on the tracks and will stop those trains.
25 There are even people who will go further than that.

1 I believe that this is a logistical nightmare for the
2 coal industry and for the rail industry, and I think
3 that they should consider that.

4 SPEAKER 29: My name is Patricia Bellamy.
5 I'm a resident of Multnomah County. And I'm speaking
6 to you today -- having worked for 40 years as a
7 registered nurse, I'm speaking at a minimum for the
8 widest environmental impact study against allowing a
9 coal export terminal in Longview.

10 The is a regional issue. As a healthcare
11 professional, I'm alarmed. The facts are in. Coal
12 and diesel particulate matter poses extreme health
13 risks. Prevention is our best and only course of
14 action. Prevention is the cornerstone of public
15 health. And coal transport is a very serious, looming
16 public health problem.

17 Regretfully the old adage of "An ounce of
18 prevention is worth a pounds of cure" does not apply
19 here. There is no safe, reliable, effective cure.
20 There is no truly safe way to transport coal or
21 contain diesel exhaust as the trains travel hundreds
22 of miles through windy gorge and towns.

23 There is no guarantee that goal dust
24 suppression protection toppers, agents, surfactants,
25 which themselves may pose health risks, will

1 adequately protect humans, wildlife, and waterways,
2 and farmlands as tons of coal are blown off, fall off,
3 and rained off during transport. Nor will loading
4 chutes and scrubbers guarantee clean air a water.

5 Let's not forget the toxic arsenic air
6 pollution that will arrive in Oregon five days after
7 it's burned in poorly-regulated coal plants in Asia
8 thus adding CO2 to our environment and enhancing
9 global climate change.

10 Again, I'm asking the decision-makers here to
11 say no to building this coal export terminal and
12 prevent this public health disaster. Thank you.

13 SPEAKER 30. My name is Taizz Medalia,
14 T-A-I-Z-Z, M-E-D-A-L-I-A. And I live in Multnomah
15 County overlooking Swan Island, and, oh, about a mile
16 from the train tracks. And I've been a respiratory
17 therapist for 28 years, the last 18 years at OHSU
18 Hospital.

19 And I'm a current and lifelong union member,
20 and I'm an AFSME member. And I'm here to talk about
21 the health effects that 16 more trains that are a
22 mile-and-a-half long would cause going through our
23 communities. In particular, I want you to look into
24 the health impacts of noise and sleep disturbance.

25 There are probably hundreds of thousands of

1 people along the transportation route that will likely
2 experience sleep disruption multiple times through the
3 night as a result of 16 mile-and-a-half long trains
4 going through their communities.

5 I was standing -- actually, I was riding my
6 bicycle along 12th Street where it meets Division.
7 And I was stuck at a level crossing. And the train
8 had to give whistle blasts every eight seconds as it
9 went through this crossing. And I had to stand there
10 with my fingers in my ears.

11 And I counted 40 cars going by and it took
12 about eight minutes. And then I thought to myself,
13 what if I was behind 128 cars, a mile-and-a-half long
14 coal train. And here I am stuck with my fingers in my
15 ears, I'm on a bicycle, there are cars behind me. I
16 can't go anywhere. I'm stuck here.

17 As well, I am awoken at least four times a
18 night by trains as it is. And I'm very concerned
19 about the health effects of sleep disturbance as it
20 has been found that increased alertness -- sleep
21 disturbance is associated with increased rate of
22 accidents, injuries, and premature deaths.

23 So the specific questions I would like
24 addressed are: How loud are the train engines, the
25 squeaking wheels, the whistle blasts? How loud is

1 this at 50 feet, 100 feet, 200 feet, up to two miles
2 from the tracks?

3 And I'm going to request that this data be
4 shown in an easy-to-understand format including maps
5 with sound contours so people can look and they can
6 make an informed decision about how they are -- where
7 they're located and whether or not they could get
8 through a night or perhaps a day with this kind of
9 noise.

10 And thank you very much for looking into
11 these health effects. And I'm sure that you will do a
12 good job and I appreciate the chance to share my
13 concerns. Thank you.

14 SPEAKER 31: Hi, I'm Clive Goldman. I'm a
15 speech pathologist from Portland, Oregon. And I
16 oppose any permits for coal exports. And some say we
17 need the jobs so they will go ahead and issue the
18 permit. I say no to that, generating a few temporary
19 jobs. It's a terrible and tragic trade-off for any
20 creation spewing forth all the poisonous contaminates,
21 which also results in lowering your property values of
22 communities through which coal would be shipped. In
23 fact, there would be jobs lost in the shell fish,
24 fishing, and wildlife industry with the habitat and
25 dwellers of that habitat adversely affected, not to

1 mention the health of humans and the disruption of
2 emergency transportation routes that could cost lives.

3 Now, I just heard a proponent of ecology say
4 that he's for the economy and what they want is a
5 healthy economy. What an oxymoron that is. A healthy
6 economy? This does not give health at all. And
7 another proponent said there's a fallout of jobs, that
8 there will be other jobs. Well, there will be jobs
9 lost. Businesses would be folding, people would be
10 leaving small towns, not to mention the danger of
11 trains blocking railroad crossings.

12 People say, Well, if we don't do it, Canada
13 does it. Well, then, they have their problem. We
14 don't want to be a part of their problem. The scope
15 should not be narrow and we're requesting you, in
16 making your ruling, to consider all the area land and
17 area that the coal would have to be transported over,
18 not what just goes on in a small area.

19 Do what you did at Cherry Point in
20 Bellingham. Not to do so would be like a cancer
21 patient seeing the doctor and only wanting his mouth
22 to be examined. The problem is systemic. Like
23 disease, the coal does not stop at the limits of the
24 port. The coal dust effects cannot be totally
25 mitigated. Thank you and God Bless America. Thank

1 you very much.

2 SPEAKER 32: Less Pool; Gladstone, Oregon.

3 The appetite for energy in Asia will continue to grow.

4 Coal will be burned for decades regardless of this

5 decision. It's ironic that supporting energy is on

6 the agenda when really we've already exported our jobs

7 there. And that's all our fault. It also is a

8 subject for another day.

9 There are some genuine health concerns with
10 shipping coal, but I believe they can be accommodated.

11 If there is a way to develop and to cover the cars, it

12 would dramatically remove concerns of many. This

13 public comment process, especially this hearing, is

14 not a time for misinformation. Nor is it a time for

15 behaving as though it's a political rally. There's

16 far too much emotion masquerading as facts in this

17 process.

18 Due to noise and traffic, I oppose a route

19 through the Columbia River Gorge. The map displayed

20 at the hearings show alternatives that may be totally

21 acceptable. I support studying and I would certainly

22 approve routes that didn't affect the Gorge. Those

23 who say "we can do better" or "power beyond coal,"

24 they're handing out brochures, wearing shirts, none of

25 them have offered any alternatives. No alternatives

1 at all. Just a lot of emotion.

2 Regardless of one's position on this issue,
3 the Washington Department of Ecology has made a
4 critical error in proposing an international
5 environmental study. Such a study cannot be reliable
6 or provide proven data. And I doubt its validity.
7 That requirement sets a precedent that will greatly
8 impact the Northwest economy and should be stricken
9 from this process.

10 SPEAKER 33: My name is Arthur Lewella,
11 L-E-W-E-L-L-A. And I have submitted a couple of
12 reports to the Coast Guard and Army Corps of
13 Engineers. And I can submit these copies, but I want
14 the Department of the Ecology to have a look at these
15 reports. And I'll submit them. My take on the
16 terminal is that Longview has a choice. The report
17 shows how the Panamax class of vehicle is going to
18 need a home port, and that the proposed port of west
19 Hayden Island is not going to work out, and therefore
20 the next most logical is Longview. That means a class
21 of vehicles would want to use a facility not of the
22 coal train type. It's for offloading automobiles and
23 exporting finished products, vehicles -- also
24 automobiles to Asia.

25 So Longview has its choice to build the new

1 facility for exporting coal or importing this Panamax,
2 very important class of vehicle here -- that is, to
3 Longview. And that's an important choice I want the
4 folks of Longview to understand, that jobs are better,
5 I think, and more and more related jobs.

6 So in the 1980s I was into Energy
7 Conservation Housing Sector. And learned about
8 President Carter's home weatherization tax credit
9 program, that energy conservation produced more
10 results than adding more energy, using more. We were
11 able to do more by using less. And that was my
12 experience during the '80s.

13 So that has the same potential now. I say
14 this adding coal around the world uses, all uses, it
15 will not do as much for our economy, our future as
16 learning how to do more with less, energy
17 conservation. And so that's my two minutes. And
18 thank you.

19 SPEAKER 34: My name is Allen Evans. I live
20 in Portland and I've been a union man for many years.
21 My remarks are for the people here in Longview.
22 Longview needs jobs. It used to be a great timber
23 town. But corporations of the timber industry for
24 whatever reasons, be it mismanagement, private
25 resource depletion, difficulties in getting more trees

1 to cut, or those damned environmentalists getting in
2 the way, for whatever reasons, some corporations left.

3 We used to have an aluminum company that
4 left. Now you need jobs. Here comes another
5 corporation with a promise. A different industry for
6 sure. But all corporations are cut from the same
7 cloth. Profits come first. Shareholders will be the
8 first to benefit: provide jobs only because you have
9 to, provide as few as you can, and trim them whenever
10 possible. A corporation is playing you to their tune.

11 You will get a few jobs and for how long?
12 The future of coal is shaky. Sooner than you think
13 the corporation will cut out and leave behind a mess,
14 and, again, a depressed community. As hard as it may
15 be, you need to get your jobs another way. Don't be
16 dazzled by the corporate tricksters who don't have
17 your best interest at heart. They want to get the
18 coal out cheap and fast. They don't really care about
19 you. That's it. Thank you.

20 SPEAKER 35: I'll touch on a few things.
21 Okay. Just acidification of fossil fuels and
22 obviously the IPC, Intergovernmental Panel on Climate
23 Change, in its recent 2013 report, conservative
24 estimates, 400 plus centimeters increase in sea level
25 around 2100, which obviously I believe that the

1 results and the impacts of climate change will be much
2 more severe than that.

3 I'm looking at a proposal that it will swamp,
4 if not inundate, flood, Port of Longview as well as
5 the 100 billion people that live within three feet of
6 sea level. So obviously, I'm glad Washington
7 Department of Ecology is including the entire fuel
8 cycle and the climate change effects of the combustion
9 of fossil fuels.

10 I'm here to support the Cowlitz Nation in
11 their statement opposed to the Longview terminal. And
12 I agree that there is no benefit that will come to us
13 or future generations through this proposal. I'm
14 actually ashamed to be here talking about this in
15 2013. The idea of exporting coal -- exporting raw
16 materials, since the passage of NAFTA in '94, has led
17 to an export deficit, a fiscal deficit in the United
18 States. So we're not going to make this community or
19 our nation more wealthy by exporting raw materials,
20 particularly coal. We're going to continue the
21 impoverishment of communities in the United States to
22 the benefit of very few elite individuals and owners
23 of extractive industries.

24 I'd like the Army Corps to address entirely
25 the Cowlitz Nation's concerns. And might as well as

1 throw in the Lumi Nation. They were opposed to the
2 Gateway Pacific Terminal in Bellingham. I'm looking
3 at it as all part of a fossil fuel export system.
4 Resistance to these fossil fuel export plans,
5 specifically coal export, is going to result in
6 expenditure of millions of dollars which will, of
7 course, increase the -- or lower the supply and
8 increase the price of these.

9 So speculators are looking at the prices of
10 fossil fuels increasing higher because of the massive
11 public opposition to these projects. Listen to the
12 children. Listen to the young people since they're
13 going to live in the world that is going to be
14 destroyed by these projects. Thank you.

15 SPEAKER 36: Hi. All right. My name is
16 Jeremiah Lehman. I'm a resident of Vancouver,
17 Washington. I am a parent and neighborhood member.
18 I'm a registered environmental engineer with the State
19 of Washington. There's been a lot of testimony this
20 evening, most of it passionately driven, about the
21 benefits and the negatives, the costs associated with
22 this project. I would argue that the most
23 quantifiable and data-driven aspects of these
24 arguments relate to costs.

25 We can quantify the negative impacts in terms

1 of the transportation infrastructure overuse. We can
2 quantify the impacts of air quality, spray aside, coal
3 dust aside, the diesel fumes alone. We can quantify
4 the effects of the water quality change in terms of
5 acidification, fine particulate, biological oxygen
6 demand. And we can speculate about the impacts on
7 climate change, which we know to be true.

8 What we do not know to be true are the
9 long-term benefits associated with this project. As
10 an environmental engineer, it's my job to perform full
11 cost benefit analysis based on those data sets. What
12 I do see is a nation, China, who is supposed to be our
13 primary consumer of this commodity peaking by 2030. I
14 see, as 2011 factual data indicates, that primary
15 sources for this, over 60 percent, come from Indonesia
16 and Australia. Do we want to break into this market
17 at this time? To me, it's a risk with far more
18 negative impacts. In fact, I urge the joint
19 regulatory staff to conduct a global environmental
20 assessment and write their EIS accordingly. The
21 impacts of this project, while temporary in terms of
22 their benefits, will be long lasting in terms of their
23 negatives. And thank you.

24 (The public meeting concluded at 8:00 p.m.)

25

C E R T I F I C A T E

1
2
3
4 I, Cindy M. Smith, a Certified Court Reporter
5 for Washington, do hereby certify that at said time
6 and place I reported in Stenotype all testimony
7 adduced and other oral proceedings had in the
8 foregoing matter; that thereafter my notes were
9 reduced to typewriting under my direction pursuant to
10 Washington Administrative Code 308-14-135, the
11 transcript preparation format guideline; and that the
12 foregoing transcript, pages 1 to 52, both inclusive,
13 constitutes a full, true and accurate record of all
14 such testimony adduced and oral proceedings had, and
15 of the whole thereof.

16 Witness my hand and CCR stamp at Vancouver,
17 Washington, this 21st day of October, 2013.

18 *Cindy Smith*

19 _____
20 CINDY SMITH
21 Certified Court Reporter
22 Certificate No. 5118
23
24
25

<hr/> \$ <hr/>	21 29:8	<hr/> 6 <hr/>	accommodated 45:10
\$100 28:17	2100 31:21 48:25	6 8:19	acid 10:15
<hr/> 1 <hr/>	213 21:10	60 51:15	acidic 24:6
10 18:16	21st 24:25	600 31:21	acidification 24:4 48:21 51:5
100 20:21 43:1 49:5	22 31:4	65-year-old 8:12	acidified 31:23
11 19:2	23 32:12	<hr/> 7 <hr/>	acidity 24:12
12 19:24	24 33:10	7 9:12	Act 12:11 17:7,9 32:23
12-year-old 7:1	25 35:4	<hr/> 8 <hr/>	action 19:22 40:14
128 42:13	25th 16:15	8 12:17	active 32:25
12th 42:6	26 35:20	80s 47:12	adage 40:17
13 21:4	27 37:2	81 17:25	Adatto 28:2
14 21:22	28 38:22 41:17	8:00 51:24	adding 41:8 47:10,14
15 23:8	29 40:4	<hr/> 9 <hr/>	Additionally 9:6
150 19:18	<hr/> 3 <hr/>	9 17:22	address 49:24
16 23:15 41:21 42:3	30 6:10 17:12 22:19 37:21 41:13	900,000 8:6	addressed 32:15 42:24
17 25:1	31 43:14	90s 37:10	adequately 41:1
172 21:8	32 45:2	94 49:16	Administration 30:10
17th 16:17	33 46:10	9th 16:15	adversely 43:25
18 25:9 41:17	34 47:19	<hr/> A <hr/>	advised 6:18
1864 17:9	35 48:20	A-d-a-t-t-o 28:3	affect 16:1 19:7 45:22
19 27:1	36 50:15	A-l-a-n 18:16	affected 36:23 43:25
1980s 47:6	<hr/> 4 <hr/>	abiding 18:7	afford 6:6 13:12 20:19, 24
1st 16:15	4 6:13	ability 24:9 39:6	AFSME 41:20
<hr/> 2 <hr/>	40 40:6 42:11	abroad 26:22	afternoon 35:21
2.3.3 10:1	400 48:24	absorbing 24:5	age 6:15 7:5
2.3.3.2 9:17	41 6:15	absorption 24:6	agenda 45:6
20 28:2	<hr/> 5 <hr/>	acceptable 45:21	agent 22:3
200 43:1	5 7:7	accepted 10:9 36:15, 21	agents 40:24
2000 11:9	50 24:10 43:1	accident 35:24	aging 22:5
2011 51:14	500 11:8	accidents 19:14 36:4,6 42:22	agree 49:12
2013 48:23 49:15	54 6:10		agriculture 31:25
2015 31:12	5800 21:9		ahead 43:17
2030 7:23 51:13			ailments 26:8
			air 6:20 7:5 8:16 10:14 11:19,20,21 12:4,5,11 19:9 21:24 22:1,2,14

23:3,21 25:24 26:12
 32:16 35:11 37:7 41:4,5
 51:2
aircraft 16:1
airplanes 15:7
Alan 18:16
alarmed 40:11
alertness 42:20
Allen 47:19
allergies 22:7
allowed 12:13 25:12
allowing 40:8
alternative 30:4,13
alternatives 9:5 45:20,
 25
aluminum 48:3
America 44:25
amount 28:6,7
analysis 14:24 51:11
analyze 9:5
Anderson 35:18
Andy 17:22
animals 10:14
announce 16:13
announcement 14:11
annual 15:19
apartment 21:8,10
appears 24:14
appetite 45:3
applaud 28:10
apples 15:7
applied 15:6
apply 40:18
approach 15:11
approve 45:22
approved 10:9,18
 11:1,5,18
aquatic 19:11

aquifer 9:19
area 9:25 18:12 25:11
 30:20,22,25 37:9 44:16,
 17,18
areas 9:18,20 12:5
 19:12 36:21 38:12
argue 50:22
arguments 50:24
Army 14:11 46:12
 49:24
arrest 39:20
arrive 41:6
arsenic 38:9 41:5
Arthur 46:10
asbestos 22:18,19
ashamed 49:14
Asia 15:20 35:13 41:7
 45:3 46:24
Asia's 15:19
aspects 50:23
assessment 15:1,3
 51:20
assume 15:24
asthma 22:6 26:7
asthmatic 7:2 20:7
attention 17:10
Australia 51:16
autistic 20:6
automobiles 46:22,24
averaged 11:7
aware 17:5,8,14 27:15
 32:20
awoken 42:17

B

back 8:17 35:15
bad 7:10 31:16 35:17
balance 18:17 22:24
barge 17:24 18:1

barges 36:7
barium 38:9
barley 16:4
based 24:25 30:19
 51:11
basically 29:24 30:6
basis 18:10
beautiful 20:1 33:8
 36:16 37:7
bees 10:14
begin 34:5
beginning 27:11
behaving 45:15
Bellamy 40:4
Bellingham 13:21
 14:22 15:18 44:20 50:2
benefit 16:22 48:8
 49:12,22 51:11
benefits 18:11 50:21
 51:9,22
bicycle 42:6,15
big 15:22 30:2 31:17
billion 28:17 49:5
biological 51:5
black 37:22
blasting 38:16
blasts 42:8,25
Bless 44:25
Blind 29:10,22,25
block 22:8
blocking 17:15 44:11
blown 41:2
BNSF 17:10
board 32:25
Boardman 13:22
Boeing 16:2
Bonneville 30:10
Bonnie 35:20

borders 14:25
bore 8:3
born 6:16 21:25 32:13
Boulevard 9:14
box 31:17
break 51:16
breath 22:1
breathable 6:20
breathe 7:5 12:4 21:20
 24:11 25:25
breathing 21:13 37:25
 38:5
Briggs 31:4
bring 30:25 33:24 35:2
 38:21
bringing 7:8
broad 38:19
broad-based 28:13
broadly 15:23
brochures 45:24
bronchitis 20:8
brother 20:8
brush 12:2
Buckmeyer 29:8
build 8:24 24:11 30:21
 46:25
building 9:24 21:8,12
 36:1 41:11
built 15:7 18:21 23:10
Bulk 16:10
burdening 26:17
burn 35:14
burned 41:7 45:4
burning 23:6 26:22
 34:10,16
business 17:23,25
 23:19 24:18,22,24 31:6,
 16
businesses 19:10 44:9

businessman 31:5
buy 20:19

C

C-a-m-i-l-l-e 6:14
cadmium 38:9
calcium-based 24:12
California 20:2,4
Camille 6:13
Canada 44:12
cancer 6:15,24 38:10
 44:20
capitalism 30:19
car 11:7,9 37:22
carbon 8:15 24:5,13
 28:7
carcinogens 6:3
care 16:24 18:7 48:18
cargo 15:3
carpeted 12:5
carry 22:9
cars 9:22 30:4 42:11,
 13,15 45:11
Carter's 47:8
case 12:9 13:7
catastrophic 36:15
catchup 22:18
cater 15:14
Cathryn 21:22
cattle 28:20
caught 22:20
caused 38:23
causing 10:4 37:17
Celilo 32:24
Center 21:9
centimeters 48:24
central 32:1
century 24:25

CEO 32:17
CEOS 26:16
certainty 12:3
cetera 30:9,24
challenge 18:13
challenging 24:2
chance 8:17 13:16
 43:12
change 19:16 28:4,14,
 16,24 29:5 32:8,9,11
 41:9 48:23 49:1,8 51:4,
 7
changing 14:14 31:13
Chapman 12:17 17:1
cheap 24:19 48:18
check 34:22
checked 6:22,23 33:22
checking 33:21
Chehalis 18:24
chemist 32:19
Cherry 14:22 15:18
 44:19
child 20:4
children 7:3 25:15,24
 26:4,5,15,17 27:25 37:5
 50:12
China 15:5 18:18,19
 23:22 34:15,20 51:12
Chinese 31:10
choice 46:16,25 47:3
choices 25:18
choose 22:23
Chris 23:15
chromium 38:9
chronic 21:11,13
chutes 41:4
citizen 25:14
citizens 34:17
City 37:6

Clackamas 25:7 31:5
Clark 8:20 9:1 16:16
 32:13 37:3
class 12:22 34:18
 46:17,20 47:2
Clatskanie 36:11
clean 7:11 8:9 11:19
 12:2 20:1,24 22:15 37:7
 41:4
cleaner 21:2
cleanup 10:19,25 11:3,
 6
clear 17:7 22:21 39:1
cliché 24:21
climate 6:23 19:16
 28:4,14,16,24 29:5 41:9
 48:22 49:1,8 51:7
Clive 43:14
close 9:10 20:19 27:15,
 20,24
closer 22:10
closing 23:2
cloth 48:7
cloudy 7:20
CO2 28:4,12 41:8
coal 7:3,9,13 8:21,24
 9:6,18,21,23 10:7,8,9,
 11,16,18,20,24 11:4,6,
 7,9,11,14,16,21 12:6,
 12,13,15 13:20 15:5,15,
 20,21 17:11,13,19
 18:23,25 19:4,5,8 20:4
 21:6,9,15,17,21 22:10,
 12,16,21 23:3,5,9,11,
 12,13,23 25:11,12,22
 26:9 27:3,6,19 28:6,25
 30:23 31:6,11,13 32:10
 33:9 34:1,10,16,24
 35:9,24 36:4 37:14,16,
 18,19,23 38:1,2,8,15,
 17,21,24 40:2,9,11,15,
 20 41:2,7,11 42:14
 43:16,22 44:17,23,24
 45:4,10,23 46:22 47:1,
 14 48:12,18 49:15,20
 50:5 51:2

coast 39:23 46:12
coat 23:12
cold 7:20
College 8:20
Collmer 25:9
Colorado 6:20
Columbia 9:22,24,25
 10:21 18:1 19:12,20
 25:11 26:1 32:22,23
 33:4 36:16,22 37:4,11
 45:19
combined 14:3
combustion 49:8
Comer 23:15
comment 6:14 16:8,11
 38:25 39:2 45:13
commenting 38:23
comments 33:14
commerce 17:7 26:3
Commission 32:24
 33:5
commissioned 7:19
commit 14:9
commodities 13:20
 18:2
commodity 6:10 51:13
Commons 21:9
communities 12:20
 26:24 41:23 42:4 43:22
 49:21
community 19:7
 25:15,17 26:3,15,17
 48:14 49:18
companies 26:25 27:3
 34:4,24
company 27:10 31:13,
 14 32:18 48:3
compared 8:2
competing 29:16 30:2,
 12
complete 10:22 11:16
completely 13:22

37:11
complex 21:14
complicit 26:14,16
comprehensive 26:21
concern 8:22
concerned 9:8 19:18
 25:14 37:16 42:18
concerns 25:18 43:13
 45:9,12 49:25
concluded 51:24
conduct 14:12 26:21
 51:19
congestion 19:8
conscious 20:2
consequences 23:18
 31:19
conservation 47:7,9,
 17
conservative 48:23
consideration 8:21
constitution 17:5,6
construction 13:1,19
 19:3
consumer 22:14 51:13
consumption 15:19
containers 25:22
contaminated 22:2
 26:10
contaminates 43:20
contamination 10:20
continent 32:1
continue 34:25 45:3
 49:20
continuously 38:23
contours 43:5
contribute 24:20
contributors 22:16
controls 6:1,6
controversy 35:5

convert 7:24 8:5
copies 46:13
coral 31:24
corn 32:1
cornerstone 40:14
corporate 48:16
corporation 48:5,10,
 13
corporations 47:23
 48:2,6
Corps 14:11,14 46:12
 49:24
correct 18:8
cost 8:22 11:2,4 28:13,
 16 34:18 44:2 51:11
costly 26:19
costs 10:19 17:21
 38:20 50:21,24
Council 12:24 17:2
 21:6
counted 42:11
country 7:12 8:3
County 9:1,2 12:24
 13:8 16:13,16 17:1 25:8
 27:2 31:5 32:13 33:12
 37:3 39:14,15 40:5
 41:15
County's 39:15
couple 46:11
cover 17:20 45:11
covered 36:7 37:22
Cowlitz 9:1 16:13
 49:10,25
create 7:18 8:24 12:18
 14:4 29:14 33:1
created 8:1 35:7
creates 8:9 10:15
creating 16:1
creation 43:20
credit 47:8
crew 6:2

crisis 24:20
critical 46:4
crops 28:20
crossing 42:7,9
crossings 44:11
cultural 32:16
cumulative 36:17
Cuomo 7:18
cure 40:18,19
current 7:24 18:22
 41:19
customers 17:8
cut 48:1,6,13
cycle 49:8
Cynthia 32:12

D

D-a-y-f-i-e-l-d 27:2
D-i-o-n-n-e 19:25
D-r-a-k-e 21:5
damage 10:17 11:13,
 16,17 19:11 27:5,13
 35:7
damaged 37:14
damned 48:1
danger 44:10
dangers 22:19 39:10
Darrel 12:17 17:1
data 43:3 46:6 51:11,14
data-driven 50:23
date 10:19
day 12:12 24:22 37:18
 45:8
Dayfield 27:1
days 41:6
dazzled 48:16
dead 31:23
dead-end 23:18

deadly 12:13
deal 15:22 35:17
deaths 42:22
debt 29:17
decades 45:4
decide 23:7
deciding 16:8 34:7
decision 8:10 14:17
 15:13,21 25:3 43:6 45:5
decision-makers
 41:10
defensible 39:22
deficit 49:17
degradation 9:9 10:4
degrade 25:25
delaying 19:10
deliver 12:15
delivering 22:3
demand 51:6
demands 15:20
Department 14:15,16,
 20 15:10,13,21 16:7,12
 28:5,10 29:15 46:3,14
 49:7
dependence 23:23
depletion 47:25
deposit 10:24
deposited 9:24 10:20
 11:9
deposits 12:4
depressed 48:14
DEQ 28:12
destroyed 50:14
destruction 33:7
detail 9:4
detrimental 21:16
develop 45:11
development 8:25 9:1
 17:24

developments 26:9
die 6:24 7:5
died 6:15,25 20:9
diesel 10:11 11:22
 20:11,12,13,23 22:16
 23:3 27:19 40:12,21
 51:3
difficult 18:13
difficulties 47:25
Dionne 19:24
dioxide 24:5,13
direct 12:11 23:17
direction 8:11
directly 27:18
dirty 21:2
dirty 19:23
disaster 41:12
discharge 9:21
disease 6:24 22:3
 44:23
displayed 45:19
disproportionate
 26:18
disrupt 14:17
disruption 42:2 44:1
distant 26:15
disturbance 41:24
 42:19,21
Division 42:6
doctor 44:21
documentation 10:6
documented 11:7
DOE 9:17 10:9 11:5,13,
 19
dollars 12:19 14:5
 16:22 29:21 31:1 50:6
doors 12:10
double-trouble 36:18
doubt 46:6

downhill 38:3
downtown 23:17 25:10
Drake 21:4
dramatically 45:12
driven 50:20
dropped 24:13
Drought 28:17
droughts 32:3
due 10:24 23:21 45:18
dump 20:13
dust 6:2 11:21 12:6
 18:23 21:15,20 23:11,
 12 27:19 37:16,19,22,
 25 38:1,3,8,17,21 40:23
 44:24 51:3
dwellers 43:25

E

early 37:10
ears 42:10,15
earth 6:8 21:2
easy-to-understand
 43:4
ecology 14:16,21
 15:13 16:12 46:3,14
 49:7
Ecology's 14:16 15:10,
 21 16:7
economic 19:21 22:23
 33:25 37:18 38:20
economically 34:22
economics 8:20
economies 13:23
economy 14:1 22:24
 24:18 25:21 37:13
 38:16 44:4,5,6 46:8
 47:15
ecosystem 26:1
ecosystems 19:12
edible 10:13
Edmonds 17:14,17

educated 32:19
education 29:15,24
 30:1,12,17 31:2
effect 36:17
effecting 33:14
effective 40:19
effects 10:16 12:7 32:4,
 5 34:16 38:17 41:21
 42:19 43:11 44:24 49:8
 51:4
effort 33:21
EIS 19:17,22 21:24
 51:20
Elaine 23:8
electric 20:5
electricity 20:5 35:22,
 25
electrify 31:15
elementary 22:10
elite 49:22
emergency 19:10 44:2
emissions 10:8 15:4,
 16 24:5 28:7,25 34:11
emits 28:8
emotion 45:16 46:1
en 23:5
encourage 15:22
end 31:21 35:1
endangering 26:14
energy 7:21 8:9 23:25
 30:4 31:13 34:21 45:3,5
 47:6,9,10,16
engineer 50:18 51:10
Engineers 46:13
Engineers' 14:11
engines 42:24
enhancing 41:8
enjoy 38:14
enthusiastically 18:2
entire 49:7

environment 9:9
 11:20 14:12 20:14 21:1
 23:4 25:21 35:5,8 39:3
 41:8
environmental 10:4
 15:14 16:7 19:22 23:16
 26:11,18 27:4,12 28:5,
 10,23 38:20,24 39:20
 40:8 46:5 50:18 51:10,
 19
environmentalists
 48:1
environmentally 20:2
 31:20
EPA 18:22 34:9
equally 8:4
equation 22:1
error 46:4
escalate 19:15
established 9:23
estimates 48:24
evaluate 10:8,17,24
 28:13,23 29:4
evaluating 14:21
evaluation 10:22 15:4
Evans 47:19
evening 23:15 50:20
events 24:15
eventual 11:4
eventually 20:9
Evergreen 9:14,15
evidence 38:25
evident 9:25
examined 44:22
excited 16:20
excitement 14:7
exhaust 27:19 40:21
existing 11:12 19:10
expand 19:14 30:24
expect 11:15
expected 11:17

expenditure 50:6
expense 34:19
expensive 34:12
experience 15:9 23:17
 42:2 47:12
experiment 36:8
expert 41:11
experts 15:10
explain 10:1 25:4
explanation 15:12
export 14:6 19:4 40:9
 49:17 50:3,4,5
exported 29:1 45:6
exporting 13:20 46:23
 47:1 49:15,19
exports 15:15 30:24
 31:8,9 37:15 38:21
 43:16
extent 9:2
exterior 12:2
extinct 31:22
extinctions 24:15
extraction 34:5,8
extractive 49:23
extreme 40:12

F

F-i-t-e 8:19
face 39:19
faced 13:12
facilities 15:7 16:2
 34:11
facility 9:6 46:21 47:1
fact 21:25 29:13 30:3,8,
 19,22 33:21, 34:22
 43:23 51:18
factor 29:15
factors 19:22 21:24
facts 22:20 33:18 40:11
 45:16

factual 51:14
failing 39:3,4
fair 14:9
fairgrounds 16:16
fall 41:2
fallout 44:7
falls 32:24 33:2
families 12:22
family 12:19 13:6,10
 26:2
family-wage 14:3
farmlands 41:2
fast 20:3 48:18
father 32:17
fault 45:7
favorite 37:21
feared 6:2
feasible 34:22
federal 39:4
feel 21:15 27:3 32:14
feet 43:1 49:5
fell 37:11
ferry 17:16
fighting 29:25
filthy 20:13
finally 10:15
find 11:23
fine 51:5
fingers 42:10,14
finished 46:23
fired 20:4
fires 28:18 31:20
firsthand 13:11
fiscal 49:17
fish 9:20 10:12 28:21
 31:23,24 32:15 43:23
fisheries 28:20

fishery 33:3
fishing 19:12 43:24
Fite 8:19
flood 49:4
flooding 28:18
floods 32:3
focus 24:3
focuses 9:17
fold 31:6
folding 44:9
folks 47:4
follow 18:5
forced 29:5
forego 9:4
foregone 8:23
forest 31:20
forget 41:5
format 43:4
formation 32:23
forthcoming 25:17
fortunate 13:16
forward 14:8
forward-thinking
 24:24
fossil 48:21 49:9 50:3,
 4,10
found 12:4 20:21,22
 42:20
fracking 39:10
friends 13:10 32:24
front 23:7 39:20
fruition 23:19
fuel 23:3 24:19 49:7
 50:3,4
fuels 48:21 49:9 50:10
full 26:21 31:23 39:17
 51:10
fumes 51:3

fund 27:9
funds 29:23
future 10:5,19,25 14:18
 15:9 25:16 28:14 33:6
 47:15 48:12 49:13

G

G-o-e-f-f 25:7
gain 22:23
gas 15:4,16 18:19
Gateway 14:13 15:17
 50:2
general 15:2
generate 7:25
generating 43:18
generation 30:7
generations 25:17
 33:7 49:13
generator 36:1,2
genetically 39:13
genuine 45:9
get all 29:22
give 8:17 30:6 42:8
 44:6
giving 16:8
glad 14:10 16:5, 49:6
Gladstone 45:2
global 24:20 35:16 41:9
 51:19
GMOS 39:13,17
goal 40:23
goals 28:12
God 44:25
Goeff 25:7
Goldman 34:3 43:14
good 6:10 8:17 18:10
 23:15 30:5 43:12
gorge 7:9,10 9:25
 32:23 33:5 36:23 37:4,
 11,12,19 38:12,15

40:22 45:19,22
government 14:9
 29:20 30:3,6,9,16 34:20
 39:4,6,7,8
governments 14:2
Governor 7:18
grade 25:4
grains 31:25
grandchildren 7:4
 21:1
granddaughter 20:15
grandkids 8:13
grandmother 22:6
great 24:14 32:18 47:22
greatest 6:8
greatly 24:8 46:7
green 19:23 20:1
greenhouse 15:4,16
grew 20:3,6,12
groceries 13:5
grow 32:1 45:3
growing 23:21
growth 32:21
guarantee 40:23 41:4
Guard 46:12
guess 25:6 27:8,22
gulp 21:25
guy 13:2

H

H-a-I-I 7:7
habitat 29:3 43:24,25
Hall 7:7
handfuls 38:2
handing 45:24
hands 23:1
happen 17:19 36:25
happened 35:23,24

37:1
happening 16:14
 39:13
happiness 29:6
hard 12:21 48:14
harm 19:13
harmful 12:7
harming 19:9
harvested 10:13
Hayden 46:19
head 13:5
health 10:2 11:19 15:1
 19:13,19 22:24 25:15
 26:7 27:4,12 29:6 32:4
 37:17 38:11,18,20,23
 40:12,15,16,25 41:12,
 21,24 42:19 43:11 44:1,
 6 45:9
healthcare 40:10
healthy 44:5
hear 7:15 8:8 33:25
 35:2
heard 13:18 44:3
hearing 16:14 29:7
 45:13
hearings 16:13 45:20
heart 33:15 48:17
heavy 25:24
helps 29:13 31:2
higher 50:10
Highway 9:15
hiking 7:10
hired 7:22
history 30:18 34:4
hit 35:22
hold 24:24
holds 24:23
home 11:22 12:3 33:8
 46:18 47:8
hope 6:12 24:2

horrible 6:24 8:15
Hospital 41:18
hot 32:2
house 12:2,5,14 20:20,
 22 23:12,13
houses 27:23
Housing 47:7
Houston 6:19
huge 7:8
human 15:1 19:13
humans 10:14 12:7
 44:1
hundreds 40:21 41:25
husband 6:15,21 7:6
 20:10

I

Idaho 27:7,14
idea 7:10 34:21 49:15
IHS 34:2
Imagine 15:6
imminent 10:2
impact 15:19 23:3
 24:16 27:19 28:18,19,
 24 29:1 46:8
impacts 7:13 8:16 15:3
 19:16 27:12 29:4,5,6
 37:18 38:20 41:24 49:1
 50:25 51:2,6,18,21
implementation 32:22
implementing 24:1
implications 32:16
important 16:19 32:5
 47:2,3
importing 47:1
impoverishment
 49:21
impressed 6:1
included 14:24
includes 37:13 38:19

including 19:22 43:4
 49:7
increase 10:8,17 15:15
 19:13 25:23 26:8 28:25
 31:20 48:24 50:7,8
increased 12:8 42:20,
 21
increasing 19:7 23:24
 50:10
incredible 37:8
incur 34:19
independent 14:12
India 31:12
indifferent 26:16
individuals 49:22
Indonesia 51:15
industries 13:15 28:21
 30:22 49:23
industry 20:11,13
 22:18,19 28:20 30:25
 31:1 32:20 34:1 40:2
 43:24 47:23 48:5
informed 43:6
infrastructure 16:25
 51:1
inhabitants 23:4
injuries 42:22
inside 23:12
instant 33:21
instrumental 32:21
intended 14:21
intending 27:6
interest 48:17
interests 33:22
interfere 17:7
Intergovernmental
 48:22
international 46:4
interstate 17:6,8
inundate 49:4
invaluable 26:1

investment 16:23,24
 34:5
investments 14:1
 23:24
invitations 39:19
involved 16:18
IPC 48:22
ironic 45:5
Island 41:15 46:19
issue 8:7 15:23 16:19
 23:6 28:4,5 32:14 33:24
 39:20 40:10 43:17 46:2

issues 25:1

J

J-a-c-k-s-o-n 6:14
Jackson 6:13 39:14,15
jelly 31:23
Jeremiah 50:16
Jerome 29:8
Jo 21:22
Joanna 33:10
job 6:21 8:9 12:18 13:4,
 5,10 43:12 51:10
job-related 22:6
jobs 6:7,9 7:17,25 8:1,
 4,6,7,8,9 12:22 13:3,8
 14:3,4,9 16:21 18:10
 19:18,23 33:2 35:5,7,9
 43:17,19,23 44:7,8 45:6
 47:4,5,22 48:4,8,11,15

John 8:19

join 13:14

joined 16:12

joint 51:18

K

K-i-r-c-h-h-o-f-f 33:11

Kathy 37:2

Kelso 19:1

key 18:11
kids 8:13 13:6 25:17
 26:23 29:11,18
kind 32:11 33:20 43:8
Kirchhoff 33:10
knew 22:19

L

L-e-w-e-l-l-a 46:11
labor 12:24 16:21 17:2
Lake 28:3
land 35:11 44:16
Lane 37:2
large 7:13,25 30:7
larger 13:9 24:20
lasting 25:20 51:22
Lastly 30:18
late 32:17
law 18:7
laws 39:12
lead 20:15,21 38:10
leader 16:21
leaders 33:5
leading 21:24 22:12
 38:4
learned 47:7
learning 47:16
leave 12:10 21:2 48:13
leaving 44:10
led 49:16
Lee 27:1
left 7:1 48:2,4
legislature 39:11,16
Lehman 50:16
lengthy 26:19
level 24:12 39:4,5 42:7
 48:24 49:6
leveled 8:16

Lewella 46:10
life 8:17 13:3,4 22:1,25
 24:9 26:13 32:9,13
lifelong 41:19
lifetime 12:21
limit 27:22
limits 44:23
lines 17:24 30:9 31:15
 39:20
liquid 18:19
Lisa 28:2
Listen 50:11,12
listening 33:13,16
literature 34:6
live 7:12 9:10,14 19:1
 20:18 21:7,11 23:8
 25:10 27:2 35:18 37:2
 39:6 41:14 47:19 49:5
 50:13
lived 37:4
livelihood 26:3
livelihoods 26:8
lives 44:2
living 31:22
loading 41:3
local 12:20 13:23 14:2
 19:9 24:18 29:20 33:2
 37:13 39:5,7
located 43:7
location 11:12
logical 46:20
logistical 40:1
long 8:14 34:4 41:22
 42:3,13 48:11 51:22
long-lasting 26:23
long-term 33:1 51:9
longer 34:8
Longview 8:25 9:6
 10:9 11:12 13:21 16:11
 19:4,19 22:13 23:5,9,14
 31:17 36:10 40:9 46:16,

20,25 47:3,4,21,22
 49:4,11
looming 40:15
loss 13:10 29:3
lost 6:17 11:24 43:23
 44:9
lot 7:8,16 14:22 18:18
 20:7 21:12,14 32:4 46:1
 50:19
lots 14:5
loud 42:24,25
love 7:10,11 37:4,11
lower 34:11 50:7
lowering 43:21
luck 6:11
lumber 30:24
Lumi 50:1
lung 6:15,24
lungs 37:24 38:6
Lyle 37:21

M

M-a-r-i-a-n 21:4
M-c-n-u-l-t-y 21:23
M-e-d-a-l-i-a 41:14
M-e-l-t-z-e-r 35:20
M-o-n-t-g-o-m-e-r-y
 9:13
made 21:6 25:3 27:15
 32:13 34:10 46:3
main 22:23
major 24:3
majority 20:17
make 13:7,14 15:13
 17:4 18:6 25:18 30:20
 34:25 35:7 43:6 49:18
makers 12:21
makes 15:18
making 8:10 14:5
 30:15 44:16

Malting 32:18
man 12:18 47:20
mandates 11:20
manner 18:8
manufacturing 16:2
map 45:19
maps 43:4
Marian 21:4
marine 24:9
market 14:6 51:16
marshes 10:23
Martin 35:18
Marysville 17:15
masquerading 45:16
mass 24:14
massive 50:10
materials 49:16,19
Matt 31:4
matter 13:8 17:18 24:8
 25:24 40:12
McNulty 21:22
means 14:14 15:8
 16:23 46:20
measures 6:3
Medalia 41:13
medical 34:18,19
meet 11:21
meeting 51:24
meetings 16:17
meets 42:6
Meltzer 35:20
member 6:2 32:25
 41:19,20 50:17
mention 44:1,10
mentioned 33:25 35:3
mercury 38:10
mess 48:13
metals 25:24

method 14:21
Michael 7:7
microcosm 22:11
middle 6:16 34:17
mile 11:7 22:9 41:15
mile-and-a-half 41:22
 42:3,13
miles 40:22 43:1
Millennium 6:11 16:10
 18:4 25:19 27:10 29:12
 33:17
Millennium's 23:18
 24:16,23 26:5
millions 14:4 24:7 50:6
minimum 40:7
mining 11:12 19:15
 26:22
minutes 42:12 47:17
minutes' 37:22
misinformation 45:14
mismanagement
 47:24
mitigate 17:20
mitigated 44:25
mitigation 26:18 27:9
mitigations 27:11
model 24:18,25 31:16
modified 39:14
money 14:1 18:18
 29:16,18,23 30:1,7,11,
 16,17,20
Montana 19:15 27:8,14
Montgomery 9:12
month 37:20
months 6:18
mother 22:5 25:14
mouth 44:21
move 6:19 8:10 21:18,
 19 29:6
moved 20:2 37:5

moving 17:11 18:2
multiple 42:2
Multnomah 27:2 33:12
 40:5 41:14
myopic 26:6

N

N.E. 21:9
NAFTA 49:16
narrow 44:15
nation 49:10,19 50:1
 51:12
Nation's 49:25
native 33:3
natural 24:13 26:1
 38:14
needed 13:4
negative 23:18 24:17
 50:25 51:18
negatively 19:7
negatives 50:21 51:23
neighbor 22:7
neighborhood 21:18
 36:21 50:17
neighborhoods 22:11
neighbors 13:10
neighbors' 26:5
neutral 13:12
nice 20:20
night 42:3,18 43:8
nightmare 40:1
noise 19:8 41:24 43:9
 45:18
nonimporter 31:11
north 16:16 36:22
Northwest 7:9 13:19
 14:3 19:6 28:19,22
 35:17 46:8
noticed 33:18

nullified 39:16
number 7:25 8:1,4 9:17
 14:18 17:13 29:12,20
nurse 40:7

O

observing 34:16
obsolete 24:22
occupies 22:25
ocean 24:4,6 32:4
ocean's 24:12
oceans 29:2 31:22
October 16:15,17
offer 24:17
offered 45:25
official 23:23
offloading 46:22
OHSU 41:17
oil 6:17 18:20 30:23
 34:4
older 20:6
one's 46:2
ongoing 12:12 18:10
open 12:10 23:11 25:22
operate 18:8
operations 18:2
opinion 13:24
opponents 15:15
opportunities 8:23 9:3
 13:6 14:2 16:18 37:8
opportunity 8:22
 18:14
oppose 19:3 43:16
 45:18
opposed 21:20 25:19
 33:9 49:11 50:1
opposition 50:11
ordinance 9:17 10:1
 39:16

Oregon 13:22 19:25
 21:5 25:8 28:3 33:5
 35:19,21 39:13 41:6
 43:15 45:2

organisms 39:14

organization 32:25

Oswego 28:3

ounce 40:17

outcry 23:21

outdated 24:18

outdoor 38:13

overlooking 41:15

overuse 51:1

overwhelmed 39:8

overwhelming 39:1

owe 18:18 33:6

owners 49:22

oxygen 24:10 51:5

oxymoron 44:5

P

P-e-f-f-l-e-y 18:17

p.m. 51:24

Pacific 14:13 50:2

pain 6:25

Panamax 46:17 47:1

Panel 48:22

parent 50:17

parked 37:21

parks 27:20

part 7:12 13:8 16:6
 18:11 44:14 50:3

partially 26:20

particles 38:5

particulate 9:21 10:20
 11:6,22 25:23 40:12
 51:5

particulates 22:17

parts 22:21 30:13

Pasadena 6:16

Pasco 16:15

pass 39:12

passage 49:16

passing 10:16 11:14,
 16 37:23

passionately 50:20

past 9:23 12:14 18:25
 24:14 39:18

path 14:15 38:3,4

pathologist 43:15

patient 44:21

Patricia 40:4

pay 17:10 26:7,11 27:4,
 11 29:24 30:11 31:2

paycheck 12:19

paying 18:10 29:17

peaking 51:13

pediatrician 6:18,22

Peffley 18:16

pencil 34:7

Pennsylvania 39:9

people 7:16,17,22 8:8
 13:13,14 14:22 15:20,
 23 19:20 20:17 21:12
 29:5 33:16,22 34:12
 38:13,22 39:23,25 42:1
 43:5 44:9,12 47:21 49:5
 50:12

people's 13:24 20:25
 29:6 33:14

percent 15:18 24:10
 31:7,9,21 51:15

percolation 10:13

perfect 6:23 16:18

perform 51:10

permanent 35:6

permanently 33:2

permit 43:18

permits 16:1 43:16

person 17:5

personal 33:14

personally 22:5

pertain 36:5

PGE 20:6

phase 16:12

phytoplankton 24:10

picture 13:9

pipeline 13:1

pitch 31:5

pitching 33:4

Pittsburgh 20:3

place 6:1,3 20:18 25:6

places 8:4

plan 23:20,22 24:1,17

planet 22:25 23:6 33:8
 39:7

plans 50:4

plant 6:9 18:21,24 20:5

plants 10:13 11:24,25
 34:13 41:7

play 21:15 22:17

playground 21:14

playgrounds 28:1

playing 48:10

point 14:22 15:18,25
 17:13 44:19

poisonous 43:20

poisons 38:9

pole 35:22

policies 6:4

policy 12:21

political 45:15

pollinating 10:14

polluted 22:15 35:12

polluting 19:9 23:24

pollution 9:8 21:24
 23:3 41:6

Pool 45:2

poor 20:17

poorly-regulated 41:7

popular 38:12

population 8:2

port 10:9,18 11:1,4,12,
 17 12:13 32:18 44:24
 46:18 49:4

Portland 21:5,10 33:11
 35:19,21 36:22 43:15
 47:20

ports 36:12

pose 40:25

poses 25:20 40:12

position 46:2

positive 20:16,21

possibility 16:20

pot 30:2

potential 12:15 19:14
 47:13

pounds 11:9 40:18

powdery 37:16

power 30:10 35:22
 45:23

precedent 14:17 15:25
 46:7

precluding 8:25 9:1

premature 42:22

present 9:21 10:7,23,
 24 11:4,22 18:15

presented 25:2

presently 9:23

president 12:23 17:1,
 23 47:8

pretty 14:23

prevailing 35:15

prevent 41:12

prevention 40:13,14,
 18

price 50:8

prices 50:9

primary 51:13,14
priority 22:23
pristine 20:1 37:7
 38:14
private 10:3 16:23
 47:24
pro 32:19
problem 17:16 18:20,
 23 40:16 44:13,14,22
problems 17:14 20:7
 21:13 38:11,23,24
procedures 6:4
process 14:10 15:14
 16:7 30:2 45:13,17 46:9
produced 20:5 47:9
produces 24:10
product 6:10 14:6
 18:19,21
products 16:25 46:23
professional 40:11
professor 8:20
profit 26:4,5,15 34:25
profitable 34:9
profiteers 25:12
profits 30:15 48:7
program 11:20 47:9
prohibited 39:14
project 8:21,24 14:22
 15:15 16:10 18:3 25:20
 36:5,24 50:22 51:9,21
projected 8:3
projections 34:1
projects 13:21,25 14:4,
 18 15:1 34:13 36:14,19,
 20,25 50:11,14
promise 6:9 48:5
promises 25:23
proper 8:22
properly 18:8
properties 11:11

property 10:3 43:21
proponent 44:3,7
proposal 19:6 28:9
 49:3,13
proposals 13:18 36:12
proposed 13:21 14:13
 22:12 28:6 46:18
proposing 46:4
prospect 13:13
prosperity 26:24
protect 41:1
protecting 39:6
protection 32:22 40:24
protections 6:6
protects 11:19
proudly 16:25
proven 46:6
provide 7:20 18:9
 24:19 46:6 48:8,9
provided 25:5
public 10:2,3 11:19
 16:8,11,13 22:17,20
 23:21 40:14,16 41:12
 45:13 50:11 51:24
published 23:22
pulled 12:5
put 25:6
putting 8:15 13:13

Q

quality 10:14 11:20
 12:11 25:25 28:5,11
 51:2,4
quantifiable 50:23
quantify 50:25 51:2,3
quarter 22:8
question 22:22 25:2
questions 9:16 42:23
quickly 35:1

R

rail 11:9 40:2
railroad 9:7,10 11:8,23
 14:24 17:9,20 22:9
 27:16,20,25 36:3 44:11
rain 10:15
rained 41:3
rains 38:8
raise 7:2
raised 6:16 32:13 37:5
rally 45:15
rate 42:21
raw 49:15,19
reacting 39:10
read 7:18 17:2
reality 15:17 24:25
realized 24:23
reason 29:10,12
reasons 7:8,15 24:3
 47:24 48:2
rebuttal 33:16
receive 29:21 39:19
recent 34:2 48:23
recently 20:15 27:14
recharge 9:19
reclaim 26:12
recreation 26:2 37:8,
 14
reduce 23:23 28:12
reducing 10:10 24:9
reduction 31:7,9
reefs 31:24
refineries 6:17
reflect 25:18
refuse 26:23
regard 9:20 29:18
region 13:25

regional 24:16 37:12
 40:10
registered 40:7 50:18
Regretfully 40:17
regulations 31:11
regulatory 18:6 51:19
relate 50:24
related 10:21 20:23
 47:5
released 14:21
reliable 40:19 46:5
rely 26:13
remarks 47:21
remove 45:12
renewable 7:21 8:5
 31:13
report 11:2,15,17 46:16
 48:23
reported 11:8
reporting 11:6
reports 34:2 46:12,15
represents 12:18
request 21:23 23:2
 43:3
requesting 44:15
required 27:9
requirement 46:7
requirements 18:6
research 34:23
resident 9:7,13 23:16
 40:5 50:16
Resistance 50:4
resolute 8:10
resolution 21:6
resolve 22:22
resource 26:2 34:5,8
 47:25
resources 7:21
respiratory 26:8 41:16

responders 19:10
responds 39:7
responsibile 32:21
responsibility 10:10
 25:16 39:17,18
responsible 11:5
 34:11
restore 33:2
restrictions 34:9
result 15:5 24:4,13 27:5
 28:6,24 42:3 50:5
resulting 16:23
results 43:21 47:10
 49:1
retired 29:9
return 24:17 35:15
reverse 8:14 33:7
review 10:6 14:10,13
 15:14 16:7 26:22 28:11,
 13,15 34:6
reviews 16:5
Reynolds 25:7
riding 42:5
ripple 12:19
rise 32:4
risk 16:3 51:17
risks 40:13,25
river 9:22,24,25 10:21,
 25 11:10 19:12,21 26:1,
 9 32:22,23 33:5 36:13,
 16,22 37:4,11,12,19,24
 38:4,7 45:19
rivers 7:11 10:7,12
 11:14 18:1 29:2
RN 19:25
Ron 32:17
roof 13:5
room 13:15
route 23:5 42:1 45:18
routes 44:2 45:22
ruin 36:15

ruling 44:16

S

S-t-e-p-h-e-n-s 17:23
Sachs 34:3
sacrifice 19:19 26:23
safe 40:19,20
safer 16:23
safety 10:3 19:20 25:15
sake 8:12
Sarah 25:9
scenario 16:3
Scenic 32:22
school 22:10 25:4
 29:10,22,25
schools 27:15,20,25
 29:19
science 23:16
scientist 22:14
scoop 38:2
scope 15:10 19:17
 32:15 44:14
scoping 32:14
scrubbers 41:4
sea 24:21 48:24 49:6
seconds 42:8
Sector 47:7
seeps 10:13
selenium 38:10
self-serving 26:25
senior 21:12
sense 8:8
September 16:14
series 16:13
set 14:17 16:5
sets 46:7 51:11
severe 20:8 49:2
severely 37:14

shaky 48:12
shame 36:25
share 13:24 16:6 43:12
Shareholders 48:7
Sharp 23:8
shell 28:20 43:23
shells 24:12
ship 15:3 35:13
shipped 43:22
shipping 12:15 19:14
 45:10
ships 19:5
shirts 45:24
shoreline 10:23 11:10
shorelines 10:7,12
short 26:24
show 16:18 45:20
showed 20:15
shown 43:4
shows 27:18 46:17
shutting 34:13
shy 14:7
sickness 22:3
siding 12:1
sight 35:1
significant 9:4
Simple 21:24 22:1
simply 7:3
sincerely 25:18
singular 36:24
sinus 21:11
sister 20:6,7,8
sit 39:24
site 6:5
sites 12:16
situation 17:20
slavery 32:8,10

sleep 41:24 42:2,19,20
small 15:19 31:4 34:23
 44:10,18
smart 7:22
Snake 18:1
Snohomish 12:23 13:8
 17:1
social 19:21 29:4 39:2
society 28:16
soil 23:22 26:12
soils 10:25 11:14
solar 30:14 31:16
someplace 6:19
son 6:17 7:2,4 22:6
sons 22:7
Sooner 48:12
sort 21:13
sound 43:5
source 26:2,3
sources 8:5 23:24
 34:21 51:15
soybeans 32:2
SPEAKER 6:13 7:7
 8:19 9:12 12:17 17:22
 18:16 19:2,24 21:4,22
 23:8,15 25:1,9 27:1
 28:2 29:8 31:4 32:12
 33:10 35:4,20 37:2
 38:22 40:4 41:13 43:14
 45:2 46:10 47:19 48:20
 50:15
speaking 40:5,7
special 7:12
specific 42:23
specifically 50:5
speculate 51:6
speculators 50:9
speech 43:15
spewing 43:20
spill 18:20
spills 11:5,6 19:14

spoiled 23:21
Spokane 16:15
sports 38:13
spot 37:21
spray 51:2
squeaking 42:25
staff 51:19
stand 42:9
standard 15:6
standards 11:21 18:22
standing 42:5
start 34:20
started 37:10
state 7:19 9:18 11:3
 12:14 14:15,19,20,25
 15:2,25 16:14,21 17:12
 18:24 28:8 29:9,20,22,
 23,25 39:5,8,11,16
 50:18
statement 17:4 19:17
 49:11
states 8:5 22:21 27:6,
 16 29:15 30:5,9 34:10
 49:18,21
stayed 37:6
Stephens 17:22
stop 39:24 44:23
stopping 34:13
store 31:18
storms 28:17
streams 10:12 29:2
Street 34:2 42:6
stretch 15:24
stricken 46:8
strip 19:15
strong 18:10
strongly 19:3 25:19
 33:9
struck 7:17 27:24
struggling 14:2

stuck 31:17 42:7,14,16
students 25:5
studies 17:5 27:18
study 9:19 10:16 23:2
 36:4,6,10,11, 38:19
 40:8 46:5
studying 45:21
subject 16:5 45:8
submit 46:13,15
submitted 46:11
subsidies 30:4
Substitute 32:10
successful 24:2 26:20
sudden 29:17 30:10,21
suddenly 16:4
suffering 11:25
supply 39:11 50:7
support 14:8 16:19,25
 18:3 33:17 45:21 49:10
supporting 6:5 12:19
 45:5
supposed 51:12
suppression 40:24
surfactants 40:24
surplus 29:14
surprised 14:23
sustainable 22:24
swamp 49:3
Swan 41:15
system 7:24 12:6 18:12
 50:3
systemic 44:22

T

T-a-i-z-z 41:14
table 33:23
Tacoma 16:17
Taizz 41:13

takes 39:17
taking 18:7 30:16,17
 39:11
talk 7:17 41:20
talking 15:9 29:10
 49:14
tanker 19:13
tax 14:5 16:22 29:21
 31:1 47:8
taxed 26:10
taxes 26:18
taxpayer's 11:3
teacher 23:16 29:9
technology 34:12
Tektronix 6:21
temporary 35:9 43:18
 51:21
ten 31:8
tens 24:7
term 26:24
terminal 8:24 14:13
 15:17 17:16 18:7 19:4
 23:10,14 30:23 40:9
 41:11 46:16 49:11 50:2
terminals 6:11 13:20
 16:10 17:24 18:1,4
 22:13 25:20 33:9,17
terms 50:25 51:4,21,22
terrible 43:19
tested 20:15
testimony 18:15 29:7
 33:13,20 50:19
Texas 6:16 34:4
theory 6:5
therapist 41:17
thing 6:8 8:16 30:3,6
 39:13
things 14:23 30:11,14,
 20 31:22 33:18 48:20
thought 35:4 42:12
thousands 14:4 19:20

41:25
threat 10:2,11 25:20
threaten 7:14
threats 10:10
three-year-old 7:1
throw 50:1
Tidewater 17:24,25
timber 47:22,23
time 8:14 12:18 37:22
 45:14 51:17
timely 14:10
times 28:7 42:2,17
today 10:17,25 11:4,15,
 16 16:1 24:6,23 32:24
 33:13 36:9 40:6
tonight 24:3 33:25
tons 41:2
Tony 19:24
toppers 40:24
total 8:4 11:2 38:20
totally 44:24 45:20
touch 48:20
tough 13:2
tourism 37:13 38:16
town 23:10 47:23
towns 40:22 44:10
Townsend 39:9
toxic 10:10,11 41:5
toxins 10:23 20:13
track 22:9 31:10
tracks 9:7,15 11:23
 20:18,20,23 22:12
 27:16,21,25 38:3 39:24
 41:16 43:2
trade 14:1 16:21 18:17
 29:13
trade-off 43:19
trade-related 14:18
traffic 19:8,13 45:18

tragic 37:1 43:19
train 19:8 20:12,18,19,
20 22:12 35:24 36:4
37:23 38:3 41:16 42:7,
14,24 46:22
trains 7:3,9,13 10:17,18
11:14 12:12,14 17:16,
19 18:24 19:5 20:11,13
21:7,9,16,17,21 22:15
23:4,5 25:11 28:6 35:10
37:17,18 38:2,15 39:22,
24 41:21 42:3,18 44:11
Trans-alaska 12:25
transform 13:23
transmission 30:8
31:15
transport 15:7 16:4
19:5 26:22 40:15,20
41:3
transportation 14:24
42:1 44:2 51:1
transported 11:11
44:17
transporting 27:5
travel 12:14 25:12
40:21
traveled 27:14
traveling 9:22
travels 9:18
trees 29:2 47:25
trend 8:15
trespass 25:13
Tressler 30:5
tricksters 48:16
triggered 24:15
trim 48:9
trouble 21:11
truck 35:22
trucking 20:11
true 24:23 27:17 34:23
51:7,8
tune 48:10

turned 13:5 34:15
Two-thirds 31:21
type 18:21 46:22
types 14:6

U

U.S. 14:11 28:17 29:13
ultimately 24:20 26:7,
19
unanimous 21:7
underemployment
13:11
understand 47:4
undertake 28:12
unemployment 18:13
union 41:19 47:20
United 8:5 22:21 29:15
30:5,9 34:10 49:17,21
units 21:8
Unlike 18:19
urge 12:21 19:16 28:12
51:18

V

validity 46:6
values 43:21
Vancouver 9:7,14
16:16 23:17 25:10,23
32:19 36:22 37:5,12
50:16
vast 28:6,9,25
vegetables 11:24
vehicle 46:17 47:2
vehicles 46:21,23
ventilation 12:6
venture 23:19 26:6
ventures 24:22
veteran 12:24 13:2
16:22

veterans 16:24
vice 17:23
video 10:6
Vietnam 12:25
views 37:7 38:15
villages 31:15
violation 12:11
vision 33:1,4
Vogel 32:12,17
voice 14:8 16:9 33:8
34:18
vote 12:21

W

W-i-l-l-i-a-m 9:13
Wall 34:2
wallets 26:10
wanted 33:12,24 35:2
wanting 44:21
warming 35:16
Warren 19:3
wash 12:2
washed 38:7
Washington 11:3
13:15,22 14:15,20,25
15:2 16:21 17:12,14,15
18:24 19:4 23:9 25:10
27:7,17 28:8,11 29:9,
21,25 33:6 37:3,21 46:3
49:6 50:17,19
Washington's 15:3
watched 39:3
water 23:22 25:25
26:12 32:3,16 35:11
37:8 39:10 51:4
waterfront 26:9
waters 15:4
waterways 19:9 41:1
wealthy 49:19
wearing 45:24
weather 32:3
weatherization 47:8
Website 23:23
week 39:19
well-documented
22:2,16
west 46:18
Western 32:18
wetlands 9:19
wheat 16:4 32:2
wheels 42:25
whistle 42:8,25
wide 32:15
widest 40:8
widow 20:10
wild 32:3
wildlife 9:20 10:12 29:2
41:1 43:24
William 9:12
wind 30:7
windows 12:1,10 23:11
winds 35:15
windsurfing 37:10,20
38:13
windy 40:22
wine 16:4 28:20
Wishram 33:3
woman 12:18
wondering 35:23
word 32:10 33:18
words 8:23
work 12:21 13:13 46:19
worked 6:9 20:10 37:5
40:6
working 12:22 13:4
world 38:13 47:14
50:13
worldwide 15:16 29:1
38:14

worried 15:8
worth 40:18
worthwhile 35:7
write 51:20
Wyoming 19:15 27:8
39:23

Y

yard 11:25 12:9 20:20,
22,24
yards 20:12,21
year 28:17 29:25 31:7,8
years 6:10, 12:25
17:12,25 18:14 20:12
22:19 24:7 31:12 40:6
41:17 47:20
York 7:19 8:1,2 37:6
young 7:5 22:4,7,8,11
50:12
younger 20:8

Z

Zimmerman 19:3