1		Exh. JCR-1Tr Docket TP-190976
2		Witness: John C. Ramirez
3		
4		
5		
6	BEFORE THE	WASHINGTON
7	UTILITIES AND TRANSP	ORTATION COMMISSION
8		
9	WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,	DOCKET TP-190976
10		DOCKET 11-190970
11	Complainant,	
12	V.	
13	PUGET SOUND PILOTS,	
14	Respondent.	
15		
16	TESTIM	IONY OF
17	John C. Ra	amirez, ASA
18	ON BEF	IALF OF
19	PACIFIC MERCHANT S	HIPPING ASSOCIATION
20		
21	Subject: Ratesetting Me	ethodology and Analysis
22		
23	MAY 2	27, 2020
24	$Revised\ J$	uly 8, 2020
25		
26		

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1		LIST OF EXHIBITS
2	Exh. JCR-2r	John C. Ramirez Curriculum Vitae
3	Exh. JCR-3r	Rate of Return Analysis
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1			1. PROFESSIONAL QUALIFICATIONS
2	1.	Q.	Please state your name, business address, and occupation.
3		A. M	ly name is John C. Ramirez. My business address is 111 SW Fifth
4	Avei	nue, Sui	te 2150, Portland, Oregon 79204. I am a managing director of Willamette
5	Man	agemen	t Associates.
6			
7	2.	Q.	What is the nature of your company's business?
8		A.	Willamette Management Associates is a business consulting firm that
9	spec	ializes i	n the fields of business and property valuation, forensic analysis, and
10	trans	action f	inancial advisory services.
11			
12	3.	Q.	What is your professional experience?
13		A.	I have 15 years of experience in performing valuation analyses, damages
14	anal	yses, and	d transfer pricing analyses. I perform these valuation, damages, and transfer
15	price	analyse	es for purposes of forensic analysis and dispute resolution; income tax and
16	prop	erty tax	planning and compliance; estate and gift tax planning and compliance;
17	bank	ruptcy a	and reorganizations; shareholder oppression and dissenting shareholder
18	appr	aisal rig	hts disputes; fair value accounting; transaction pricing and structuring;
19	trans	action f	airness opinions; commercial damages measurements; regulatory
20	com	pliance;	reasonableness of compensation disputes; and management information and
21	corp	orate pla	anning.
22		In pa	articular, I perform cost of capital analyses, reasonableness of compensation
23	anal	yses, and	d functional analyses as standard procedures in almost every valuation,
24	dama	ages, an	d transfer price analysis that I perform. Both reasonableness of
25	emp	loyee/sh	areholder compensation (i.e., fair rate of return) analysis and functional
26	anal	ysis (i.e.	, the analysis of functions performed, assets employed, and risks assumed)

1	are ge	enerally	accepted procedures in the forensic analyses I perform for purposes of
2	family	y law, b	ankruptcy, shareholder rights, income tax, gift and estate tax, property tax,
3	antitru	ust, brea	ach of contract disputes, and tort disputes.
4		My ex	xperience and professional qualifications are set forth in my curriculum
5	vitae,	which i	is attached to this testimony.
6			
7	4.	Q.	What is your educational background?
8		A.	I have a bachelor of science degree in business administration, finance,
9	from 1	Portland	d State University School of Business Administration. I graduated magna
10	cum l	aude, w	rith departmental honors. I am also an accredited senior appraiser ("ASA")
11	of the	Americ	can Society of Appraisers, accredited in business valuation.
12			
13	5.	Q.	Who are your clients typically?
14		A.	One part of my practice is focused on assisting corporate taxpayers, taxing
15	autho	rities, a	nd their professional advisers on issues related to unit principle property
16	valuat	tion, the	e identification and valuation of taxpayer tangible and intangible property,
17	cost o	of capita	al and/or capitalization rate studies, and property obsolescence studies. My
18	typica	al client	s include public utilities and transportation, communications, and other
19	simila	ar utility	y-type companies. These clients operate business interests such as railroads,
20	airline	es, inter	state and intrastate pipelines, water distribution systems, wastewater
21	distrib	oution s	ystems, gas distribution systems, electric generation and distribution
22	syster	ns, cabl	e television systems, and telecommunications systems.
23		Anoth	ner part of my practice involves developing (and reviewing) valuation,
24	damaş	ges, and	I transfer price analyses involving taxation, transaction, financing,

26

every industry.

6.	Q.	What is your understanding of these tariff proceedings?
	A.	I understand that the Washington Utilities and Transportation Commission
(the	"Comm	ission") is responsible for establishing in tariffs the rates for marine pilotage
serv	ices prov	vided under chapter 88.16 of the Revised Code of Washington ("RCW").
	I und	erstand that the Pacific Merchant Shipping Association ("PMSA") is an
inde	ependent,	, not-for-profit association that represents owners and operators of marine
tern	ninals an	d U.S. and foreign vessels operating throughout the world.
	I und	erstand that PMSA is involved in a marine pilotage service rate-making
app	eal matte	er before the Commission (the "matter").
	I und	erstand that one of the issues in the matter involves the marine pilotage
serv	vices rate	s charged by the Puget Sound Pilots ("PSP") in its tariff.
7.	Q.	What is your experience in the types of issues involved in these tariff
		proceedings?
	A.	A fundamental task in the utility and transportation ratemaking process is
esta	blishing	the revenue requirement. The revenue requirement is the amount of revenue
that	a utility	or transportation company needs to collect in order to recover its cost of
serv	vice and t	to earn a fair and reasonable rate of return on its investment. The basic (or
gen	eral) reve	enue requirement formula is typically expressed as follows:
6	Davia	enue requirement = operating expenses (including capital recovery i.e.,
8	Reve	

operating expenses and invested capital, attract new investment capital, and provide a return

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comparable to other investments with similar risk.

25

26

I		Near	ly all of my client engagements require me to estimate a reasonable, market-
2	deriv	ed cost	of capital—or the required rate of return on investment. In any industry, two
3	comp	onents	of all of my valuation, damages, and transfer price analyses are (a) the
4	asses	sment o	of the reasonableness of employee/owner compensation and (b) the
5	calcu	lation o	of a fair rate of return on the services provided or investment made.
6			
7	8.	Q.	Have you testified as an expert before?
8		A.	No.
9			
10	9.	Q.	Has any court or other decision-making body ever refused to let you
11			testify as an expert?
12		A.	No.
13			
14		II. RA	TEMAKING BACKGROUND AND RATESETTING METHODOLOGY
15			
16	10.	Q.	Please describe the areas of analysis that you would typically review
17			and rely on in ratemaking and ratesetting cases.
18		A.	There are numerous rate-setting regimes, depending on whether the
19	subje	ect indu	stry is regulated, rate regulated, or rate base regulated. However, in many
20	regul	ated inc	dustries, rates are derived by applying traditional (i.e., generally accepted)
21	rate (of return	n, rate base regulation methodologies—where rates are typically a function of
22	(a) th	ne allow	red (or permitted) operating expenses and (b) an allowed (or permitted) return
23	on in	vestme	nt. The allowed return on investment is typically a function of (a) the value of
24	the in	nvestme	ent (often measured as "rate base" ²) and (b) a fair and reasonable rate of
25	$\frac{1}{2}$ Rat	e base i	s a utility's investment in facilities and related capital costs, including interest on
26			eturn on equity.

1	return on that investment. Typically, I am asked to opine on several areas of analysis			
2	related to regulated industries generally and to the ratemaking process specifically. These			
3	areas include: the analysis of an allowed (or fair) return on investment and an allowed (or			
4	fair) return on the equity component of the investment; the valuation of the sul	bject		
5	investment; the valuation of the regulated entity's property; and the cost of cap	pital and/or		
6	capitalization rate appropriate to the regulated entity. For the tariff proceeding	s at hand,		
7	the focus of my analysis was on the fair return on investment and the correspo	onding cost		
8	of capital calculations.			
9				
10	11. Q. Please describe the methodologies used to conduct the analy	ysis and		
11	review of a proposed tariff in ratemaking and ratesetting ca	ases.		
12	A. There are numerous state-specific public utility commission ("l	PUC") ratesetting		
13	methods that may be applied to set revenue requirements and tariffs of compar	nies		
14	that operate in regulated industries. These numerous rate-setting methods can	generally		
15	be categorized as (1) traditional rate of return ("ROR") methods (such as return	n on rate		
16	base or return on investment); (2) operating ratio methods; and (3) other unspec	ecified		
17	methods.			
18	Tariffs that are derived from traditional ROR methods are designed to	cover a		
19	utility's operating expenses plus an allowed (or permitted) rate of return. A uti	ility's rate		
20	of return (or its cost of capital) is typically calculated as the weighted average	cost of		
21	debt, preferred stock equity, and common stock equity that the utility has issue	ed to		
22	finance its investments.			
23	In general, PUCs attempt to set the allowed (or permitted) return on eq	luity at a		
24	level that is adequate to enable the utility to attract investors so as to finance the	he		
25	replacement and expansion of its operations. This allows the utility to fulfill it	s public		
26	utility service obligation. In practice, the subject utility's return on equity is es	stimated by		

1	analyzing the market returns on investments of other companies with similar levels of	
2	risk. ³	
3	Some of the generally-accepted and commonly-used methods for estimating the	
4	return on investment (or the cost of equity capital) include: the build-up method; the	
5	modified capital asset pricing model ("MCAPM") method; the discounted cash flow (or	
6	dividend yield plus capital gains yield) method; the risk premium method; the	
7	comparable sales method; and the comparable earning method. ⁴	
8		
9	12. Q. Please describe which of these areas of analysis and methodologies are	
10	most applicable and/or supportable with regard to the ratemaking process	
11	in these tariff proceedings and why.	
12	A. In my opinion, the traditional rate of return methodologies (such as return	
13	on rate base and return on investment/equity) are most appropriate to these tariff	
14	proceedings. This is because (a) all of the traditional rate of return methodology inputs	
15	required to derive the revenue requirement are readily available, or can be estimated from	
16	publicly available data and (b) the operating ratio methodologies are more applicable for	
17	capital-intensive companies—which the PSP is not ⁵ —and/or for when there are a large	
18	number of companies operating in the subject regulated industry that all provide the same	
19	services—which is not the case in the PSP industry.	
20	The PSP is a voluntary association of sole proprietors and incorporated	
21	individuals. Each of the PSP member owners buys into (and is bought out of) the PSP	
22		
23	³ Federal Power Commission v. Hope Natural Gas Company, 320 U.S. 591 (1944). ⁴ See, for example: Arlo Woolery, Valuation of Railroad and Utility Property (Cambridge,	
24	Massachusetts: The Land Reform Training Institute in association with the Lincoln Institute of Land Policy, 1990), 97-107; and James Cawley and Norman Kennard, <i>A Guide to Utility</i>	
25	Ratemaking (Pennsylvania Public Utility Commission, 2018), 130-137.	
26	⁵ According to the PSP special purpose financial statements, as of December 31, 2018, the PSP reported total assets of approximately \$5 million.	

e PS nus, rvic SP o	SP men the PS es) and peratin	buy-in payment is an equity ownership investment in the PSP. In addition, other owners provide a portion of the PSP's labor (i.e., pilotage services). P member owners would expect (1) a fair return on their labor (pilotage id (2)) a fair return on their equity capital (i.e., the buy-in payment). Using the ingidate and other publicly available data, traditional rate of return es can be applied to derive a revenue requirement that is sufficient to provide onable rates for these two return components. III. ANALYSIS FOR THESE TARIFF PROCEDINGS Please describe the areas of analysis you have engaged in for these tariff proceedings.
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ir an	nd reaso	onable rates for these two return components. III. ANALYSIS FOR THESE TARIFF PROCEDINGS Please describe the areas of analysis you have engaged in for these
		III. ANALYSIS FOR THESE TARIFF PROCEDINGS Please describe the areas of analysis you have engaged in for these
5.	Q.	Please describe the areas of analysis you have engaged in for these
.	Q.	Please describe the areas of analysis you have engaged in for these
.	Q.	·
3.	Q.	·
		tariff areacodings
		tarm proceedings.
	A.	I was retained by the PMSA to perform a forensic analysis of the current
SP ta	ariffs.	
	The o	objective of my analysis is to analyze whether the current PSP tariffs are
ffici	ient to	recover the PSP operating costs and to provide the PSP member owners with
fair	and rea	asonable rate of return on their investment in the PSP.
	The p	purpose of my analysis is to assist the Commission in the matter.
١.	Q.	Did you receive any substantive assistance from others? If so, who
		assisted you and what were their contributions?
	A.	No. The research, analysis, judgments, conclusions, and opinions
pres	ssed in	this testimony are entirely my own. I was assisted by several associates in
y of	fice wh	no worked under my direct supervision to perform various data gathering
	DCD by	ay-sell agreement formula is described the PSP bylaws.
	air pres	The p • Q. A. pressed in y office wh

1	tasks a	and fina	incial modeling analyses regarding my testimony.	
2				
3	15.	Q.	Please describe the areas of your analysis.	
4		A.	I applied traditional rate of return analyses (i.e., cost of service plus	
5	reason	nable rat	te of return analyses) to analyze the current PSP revenue requirement and	
6	tariffs	•		
7		As par	rt of my analysis, I analyzed the water transportation industry; labor wage	
8	data fo	or pilota	age services; the PSP operating/financial performance and rates of return on	
9	invest	ment; ra	ates of return on investment for the water transportation industry; and rates	
10	of retu	ırn on a	lternative investments with risks that are similar to an ownership investment	
11	in the	PSP.		
12		My fo	rensic analysis is not a valuation analysis. However, to the extent that my	
13	forensic analysis encompasses valuation elements, my analysis and conclusions are			
14	developed in compliance with the <i>Uniform Standards of Professional Appraisal Practice</i> .			
15	The results of my analysis are discussed herein and are presented in the exhibits			
16	attach	ed to m	y testimony.	
17				
18	16.	Q.	Describe the results of the application of data to the areas of your	
19			analysis.	
20		A.	First, as presented in my Exhibits 1 through 3, I relied on the PSP special	
21	purpo	se finan	cial statements to analyze the PSP operating and financial performance for	
22	the fiv	e years	ending December 31, 2014 to December 31, 2018.	
23		Accor	ding to the PSP special purpose financial statements, the PSP member	
24	owner	s provi	de pilotage services on inland waters within the Puget Sound Pilotage	
25	Distri	ct of Wa	ashington State. The PSP member owners provide pilotage services under	
26	licens	es issue	d by the U.S. Coast Guard and the state of Washington. The PSP revenue is	

I	generated from pilotage tariffs set by the Washington State Board of Pilotage	
2	Commissioners and the level of maritime traffic in the Puget Sound Pilotage District.	
3	Operating expenses that are incurred from providing pilotage services are paid by the	
4	PSP. The revenue remaining after the payment of incurred operating expenses is	
5	distributed to the PSP member owners as distributable net income.	
6	Based on my analysis (as presented in Exhibit 2), in 2018, the PSP generated	
7	about \$34 million in revenue. From year end 2014 through 2018, revenue remained fairly	
8	consistent and increased at a compound annual growth rate of approximately 1%.	
9	In 2018, the PSP incurred operating expenses of approximately \$14 million,	
10	which consisted of \$10 million in Seattle office expenses; \$2 million in boat expenses; \$1	
11	million in Port Angeles Station expenses, and \$1 million in transportation fees paid	
12	directly to pilots. The two largest expenses reported in the Seattle office operating	
13	expense category were (a) payments to retired pilots of approximately \$5 million and (b)	
14	pilot medical insurance of \$2 million. ⁷	
15	In 2018, the PSP generated distributable net income (i.e., earnings that are	
16	distributable to the PSP member owners) of approximately \$20 million. From year end	
17	2014 through 2018, distributable net income remained fairly consistent (both as a	
18	percentage of revenue and in amount) and generally increased at a compound annual	
19	growth rate of approximately 1.4%.	
20	From year end 2014 through 2018, the distributable net income profit margin	
21	averaged approximately 60%. Based on my analysis, the PSP experienced very consistent	
22	operating performance.	
23	Second, I analyzed the distributable net income of the PSP. The PSP's historical	
24	60% distributable net income profit margin consists of two earnings return components	
25	⁷ A detailed listing of the 2018 PSP operating expenses is provided in the Board of Pilotage	
26	Commissioners 2018 Annual Report, page 31.	

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1	for the PSP member owners: (a) a return on pilotage labor and (b) a return on invested			
2	capital.			
3	I requested, but did not receive, labor cost data for the PSP. In order to estimate a			
4	fair return on the PSP pilotage labor, I analyzed occupational annual labor wage data for			
5	captains and pilots who operate in the Seattle area. I sourced this occupational labor wage			
6	data from (a) the Bureau of Labor Statistics ("BLS") and (b) the Economic Research			
7	Institute ("ERI"). This occupation is categorized by the BLS as "Captains, Mates, and			
8	Pilots of Water Vessels." The service provided by this occupation, as defined by the BI			
9	is to command or supervise operations of ships and water vessels, such as tugboats and			
10	ferryboats. Employment in this occupation requires a license issued by the U.S. Coast			
11	Guard. This occupation excludes "Motorboat Operators." The industries served by this			
12	occupation include, among others, (a) inland water transportation and (b) support			
13	activities for water transportation.			
14	As presented in Exhibit 5, according to the BLS data, in 2018, the annual labor			
15	wage of captains and pilots who operate in the Seattle area ranged from a low of \$44,000			
16	(the 10th percentile) to a high of \$162,000 (the 90th percentile), with an average of			
17	\$93,000. According to the ERI data, the 90th percentile (i.e., the highest paid) annual			
18	labor wage of captains and pilots with at least 18 years of experience who operate in the			
19	Seattle area earned approximately \$150,000 in 2018. I relied on the BLS 90th percentile			
20	annual labor wage (i.e., the BLS highest reported annual labor wage of \$162,000) for			
21	captains and pilots who operate in the Seattle area as a fair return on the PSP pilotage			
22	labor.			
23	As presented in Exhibit 4, I normalized the PSP operating expenses to include a			
24	pilotage labor expense. I calculated the labor expense as (a) the BLS highest reported			
25	annual labor wage of \$162,000 for captains and pilots who operate in the Seattle area			
26	multiplied by (b) the number of active PSP member pilots. After applying this estimated			

1	labor expense, in 2018, the PSP distributable net income decreased from approximately			
2	\$20 million to approximately \$12 million and the PSP distributable net income profit			
3	margin decreased from approximately 60% to approximately 36%.			
4	Next, I analyzed whether this level of normalized distributable net income			
5	(normalized to include a fair return on pilotage labor) provided a fair return to the PSP			
6	member owners for their ownership investment in the PSP. To do this, I first calculated			
7	the value of the PSP equity. The PSP buy-sell agreement (as described in the PSP			
8	bylaws) allows pilots to buy into (and out of) the PSP. I relied on the PSP buy-sell			
9	agreement formula to calculate the value of the PSP equity and the value of invested			
10	capital (i.e., equity plus interest-bearing debt) of the PSP. Those calculations are			
11	presented in Exhibit 7.			
12	Exhibit 8 presents my estimation of the PSP rate of return on equity and rate of			
13	return on invested capital. Based on my analysis, as described above, for 2018, I			
14	estimated the PSP rate of return on equity of 62% and the PSP rate of return on invested			
15	capital of 61%. Again, these PSP rates of return are calculated after providing for a fair			
16	return on labor (as described above).			
17	Next, to determine whether these PSP rates of return on investment were fair and			
18	reasonable, 8 I compared them to transportation industry rates of return on investment,			
19	publicly traded transportation company rates of return on investment, and transportation			
20	company sales rates of return on investment. The results of this comparative analysis are			
21	presented in Schedule B.			
22	First, as presented in Exhibit 9, I applied two generally accepted cost of capital			
23	estimation methods to estimate the PSP required cost of equity (i.e., a fair and reasonable			
24				
25	⁸ I define a "fair and reasonable" rate of return as a rate that is sufficient to recover operating expenses and invested capital, attract new investment capital, and provide a return			
26	comparable to other investments with similar risk.			

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1	return on equity capital). I applied the MCAPM method and the build-up method. As
2	mentioned above, these methods are commonly used by PUCs to estimate the required
3	(or fair) rate of return on equity for public utility and transportation companies. As
4	presented in Schedule B and Exhibit 9, applying generally accepted cost of capital
5	estimation methods, I estimated that the PSP required (or fair) rate of return on equity
6	ranged from 13% to 15%.
7	Next, I compared the PSP rates of return (i.e., return on equity and return on total
8	invested capital) to publicly traded transportation company rates of return. This
9	comparative analysis is presented in Exhibits 12 through 15i. The data for this
10	comparative analysis were sourced from S&P Capital IQ, a database that provides
11	financial data on public and private companies, investment firms, and capital
12	transactions. The search criteria included all U.S. publicly traded companies that provide
13	specialized freight and logistics services. I did not identify any publicly traded companies
14	that only provided pilotage services. However, I did identify eight publicly traded
15	companies that operate in the transportation industry (Standard Industrial Classification
16	SIC code 4xxx) and that provide specialized logistics and freight transportation-related
17	services. I refer to these eight publicly traded transportation companies as "guideline
18	publicly traded companies" or GPTCs. I relied on these selected publicly traded
19	companies to provide relevant guideline (i.e., benchmark) risk and return comparison
20	data. Descriptions of the selected GPTCs are provided in Exhibits 15a through 15h.
21	Exhibit 12 presents a comparative analysis of the operating performance of the
22	PSP and the GPTCs. The PSP was smaller than most of the GPTCs, but it was in the
23	range of the GPTCs based on revenue; market value of equity; market value of invested
24	capital; activity ratios; and leverage. The PSP was higher than the range of the GPTCs in
25	profitability based on EBIT return on revenue; net income return on equity; and EBITDA
26	

return on market value of invested capital ("MVIC"). 9 For example, the net income
return on equity for the GPTCs ranged from 4% to 19%. The PSP net income return on
equity was 62%. Again, the PSP net income measure was calculated after including a fair
labor expense for pilotage services.
Next, I compared the PSP rates of return to rates of return from transportation
company sale transactions. This comparative analysis is presented in Exhibit 16a and
16b. The data for this comparative analysis were sourced from DealStats, a database that
provides financial data of private and public sale transactions. The search criteria
included all transactions in the transportation industry (SIC code 4xxx) from 2013–2018,
with a transaction price (i.e., MVIC) greater than \$150,000. This search resulted in 294
sale transactions. Exhibit 16a presents a breakdown of (1) the number of sale transactions
in each of the transportation SIC code subindustries and (2) the indicated return on
investment (i.e., earning/MVIC) by percentile. For example, the median earnings/MVIC
return for all the 294 transportation transactions was 34%. The median earnings/MVIC
return for the sale transactions included in SIC code 44xx—the SIC code that the PSP
operates in—was 16%. The PSP return on invested capital was 61%.
A summary and conclusion of the results of my comparative rate of return
analysis are presented in Schedule B. As presented in Schedule B, the fair and reasonable
rates of return on investment in the transportation industry ranged from 13% to 35%. The
PSP rates of return on investment ranged from 61% to 62%. Based on my analysis, and in
my opinion, the PSP rates of return exceeded fair and reasonable rates of return.
IV. OBSERVATIONS AND OPINIONS OF PSP PETITION AND PROPOSED
METHODOLOGY

1							
2	17.	Q.	Did you review the PSP Petition proposed ratesetting methodology?				
3		A.	Yes.				
4							
5	18.	Q.	Are you familiar with the Lurito-Gallagher methodologies (WTB-1T-				
6			3) and/or "derived operating or modified operating ratio figure based on an				
7			advocated total revenue requirement" (WTB-1T-13) and/or "the				
8			development of a revenue requirement" (SK-1T-2,3)?				
9		A.	Yes, these are operating ratio methodologies that are used to set revenue				
10	requirements and tariffs for regulated, capital-intensive transportation companies (like						
11	solid	waste c	companies and passenger carriers). In the application of operating ratio				
12	meth	odologi	es, revenue and asset investment are analyzed in order to derive fair and				
13	reasonable capital turnover ratios and operating margins. Operating ratio methodologies						
14	are typically applied when analyzing a large number of regulated companies that all						
15	provi	de the s	same services (like trucking companies and/or trash haulers).				
16							
17	19.	Q.	Is it clear to you why the PSP experts have concluded that these				
18			methodologies are inapplicable to this Petition process or what authorities				
19			they are relying on for the formulation of their new proposed analytical				
20			framework?				
21		A.	No.				
22							
23	20.	Q.	Do you agree with the PSP experts that a new analysis based on a				
24			"concept of establishing a target or distributive net income share" (WTB-				
25			1T-5) or that "two additional components are necessary: (a) Distributive				
26			Net Income (DNI) for pilots, and (b) level of workload per pilot" (SK-1T-3)				

1			must be substituted for the usage of typical methodologies or areas of			
2			analysis?			
3		A.	No. I do not agree that the two additional components of (a) distributive			
4	net ir	come f	for pilots and (b) level of workload per pilot are required for determining if			
5	the PSP tariffs are fair and reasonable. Traditional rate of return regulation methods can					
6	be used to determine if the PSP tariffs are fair and reasonable. If the PSP tariff generates					
7	a fair and reasonable return, then the PSP can determine how it allocates that return to its					
8	mem	ber pilo	ots and how many pilot assignments are needed to handle the workload.			
9						
10	21.	Q.	Were you able to review testimony in the PSP submission that			
11			analyzed the consumer and market impacts that would occur as a result of			
12			the cost increases which would result from the proposed increases in the			
13			PSP tariff?			
14		A.	No. The PSP did not include a market impact study in its submission.			
15						
16	22.	Q.	Does this conclude your testimony?			
17		A.	Yes.			
18						
19	I declare under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.					
20	Ex	Executed on this 27th day of May 2020, at Portland, Oregon.				
21	Sou Lan					
22						
23	L		amirez, ASA			
24			e Management Associates			
25						
26						