

KATHERINE McDowell Direct (503) 595-3924 katherine@mrg-law.com

August 29, 2017

# VIA ELECTRONIC AND U.S. MAIL

Attention: Filing Center Public Utility Commission of Oregon 201 High Street SE, Suite 100 Salem, Oregon 97301-3398

Re: Docket UM 1835

**Attention Filing Center:** 

Avangrid Renewables, LLC submits for filing its 2016 Fuel Mix Reconciliation Report.

Please note that portions of the report are CONFIDENTIAL, containing commercially sensitive and confidential business information and are provided separately under seal pursuant to General Protective Order No. 17-162.

Please contact this office or the individuals listed in the application with any questions.

Very truly yours

Katherine McDowell

Attachment

# BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

UM 1835

In the Matter of	)
Avangrid Renewables, LLC	)
2016 Fuel Mix Reconciliation	)
Report	)
	)

# AVANGRID RENEWABLES LLC 2016 FUEL MIX RECONCILIATION REPORT

Submitted August 29, 2017

CONFIDENTIAL

Power Source and I Reconciliation	Environmenta	al Impact								
Electricity Service S	Supplier Nam	Avangrid P	anau	ables IIC						
Reporting Year: 20		Availgha K	CHCW	doles, ELC	-					
Verification of Prod										
Power Source		wable Product								
(Mix)	Claimed %	Actual %								
Biomass										
Coal										
Cogeneration										
Geothermal		11.6%								
Hydro										
Landfill Gases										
Natural Gas										
Nuclear										
Other										
Petroleum										
Solar										
Waste										
Wind	100%	88.4%								
Total	100%	100%								
Environmental										
Impact										
Carbon Dioxide	0%	0%								
Sulfur Dioxide	0%	0%								
Nitrogen Oxides	0%	0%								
Spent Nuclear Fuel	0%	0%								
Balance of Purchase	 e/Generation	and Sales								
Product Name	Residual/De		To	tal Generated/REC	MWh	G	en/	RECs Used		
	Prior Report			rchases MWh	Sold			is Sold (MWh)		
New Resources	0	-				0				
Existing Resources	0		0		0	0				

Certification: I CE	ERTIFY THAT THE INFORMATI	ON REPORTED ON PAGE	S 1-8 IS TRUE AND CO	MPLETED TO	
THE BEST OF M	Y KNOWLEDGE.				
SIGNATURE:	1210	08/29/17			
TITLE:	Authorized Representative				
DATE:					
NAME OF	Jonathan				
CONTACT:	Brown				
PHONE	503-241-3232	3.			
NUMBER:					
					D
					Page
					I

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC Reporting Year: 2016

Generat or Facility Name or Wholes	Generation  Generato  r Facility  Capacity/  OR Share  of  Capacity	Generator Location (City/Cou nty, State)	First Year of Delive ry or Contra	Generat ed For (Product Name)	Previously Banked (Yes/No)	Total Generat ed MWh	Total MWh Used to Meet Sales Require	Total MWh Banked for Future Use	Fuel/ Renewa ble Resourc e Type	Date Generated (Month/ Year)	Date Acquired (Month/ Year)	Date Used or Claimed (Month/ Year)
ale Supplier	(MW)		ct				ment This Reportin g Year					
								0		1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016	3/1/2016	3/1/2016
								0		4/1/2016	4/1/2016	4/1/2016
								0		5/1/2016	5/1/2016	5/1/2016
Big Top	1.65 MW	Morrow	COD	100%				0		6/1/2016	6/1/2016	6/1/2016
LLC	Installed Capacity	County, OR	= 2009	Renewa ble	No			0	Wind	7/1/2016	7/1/2016	7/1/2016
								0		8/1/2016	8/1/2016	8/1/2016
								0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0		11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

Generat or Facility Name or Wholes ale Supplier	Generato r Facility Capacity/ OR Share of Capacity (MW)	Generator Location (City/Cou nty, State)	First Year of Delive ry or Contra ct	Generat ed For (Product Name)	Previously Banked (Yes/No)	Total Generat ed MWh	Total MWh Used to Meet Sales Require ment This Reporti ng Year	Total MWh Bank ed for Futur e Use	Fuel/ Renewa ble Resourc e Type	Date Generated (Month/ Year)	Date Acquired (Month/ Year)	Date Used or Claimed (Month/ Year)
								0		1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016 4/1/2016	3/1/2016	3/1/2016
								0		5/1/2016	4/1/2016 5/1/2016	4/1/2016 5/1/2016
Butter	4.95 MW	Umatilla	COD	100%				0		6/1/2016	6/1/2016	6/1/2016
Creek Power	Installed	County,	=	Renewa	No			0	Wind	7/1/2016	7/1/2016	7/1/2016
LLC	Capacity	OR	2009	ble				0		8/1/2016	8/1/2016	8/1/2016
								0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0		11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016
								0	Wind	1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016	3/1/2016	3/1/2016
								0		4/1/2016	4/1/2016	4/1/2016
Elkhorn	100.65	Union	COD	4000/				0		5/1/2016	5/1/2016	5/1/2016
Valley	MW	Union County,	COD =	100% Renewa	NI-			0		6/1/2016	6/1/2016	6/1/2016
Wind Farm	Installed Capacity	OR	2007	ble	No			0		7/1/2016	7/1/2016	7/1/2016
Faiiii	Сараску							0		8/1/2016	8/1/2016	8/1/2016
								0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0		11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC Reporting Year: 2016

		Used to Mee			I	I				Г_	T	<u> </u>
Generat	Generato	Generator	First	Generat	Previously	Total	Total	Total	Fuel/	Date	Date	Date Used
or Facility	r Facility	Location	Year of	ed For (Product	Banked	Generat	MWh	MWh	Renewa	Generated	Acquired	or Claimed (Month/
Name	Capacity/ OR Share	(City/Cou nty, State)	Delive	Name)	(Yes/No)	ed MWh	Used to Meet	Bank ed for	ble Resourc	(Month/ Year)	(Month/ Year)	Year)
or	of	Tity, Gtate)	ry or	rvainc)			Sales	Futur	e Type	(Car)	l cary	(Car)
Wholes	Capacity		Contra				Require	e Use	, ,,			
ale	(MW)		ct				ment					
Supplier							This					
							Reporti ng Year					
					No		ng real	0	Wind	1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016	3/1/2016	3/1/2016
								0		4/1/2016	4/1/2016	4/1/2016
Four								0		5/1/2016	5/1/2016	5/1/2016
Corners	10.0 MW Installed	Umatilla County,	COD =	100% Renewa				0		6/1/2016	6/1/2016	6/1/2016
Windfar	Capacity	OR	2009	ble				0		7/1/2016	7/1/2016	7/1/2016
m LLC	, ,							0		8/1/2016	8/1/2016	8/1/2016
								0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0		11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016
								0		1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016	3/1/2016	3/1/2016
								0		4/1/2016	4/1/2016	4/1/2016
Four								0		5/1/2016	5/1/2016	5/1/2016
Mile	10.0 MW	Umatilla	COD	100%	NI-			0	\A/:I	6/1/2016	6/1/2016	6/1/2016
Canyon Windfar	Installed Capacity	County, OR	= 2009	Renewa ble	No			0	Wind	7/1/2016	7/1/2016	7/1/2016
m LLC	Japaony		2000	0.0				0	]	8/1/2016	8/1/2016	8/1/2016
								0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0		11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC Reporting Year: 2016

List of New Congration Lload to Most Sales Poquirement

List of New 0					1					1		1
Generato	Generat	Generator	First	Generat	Previously	Total	Total	Total	Fuel/	Date	Date	Date Used
r Facility	or	Location	Year	ed For	Banked	Generat	MWh	MWh	Renewa	Generated	Acquired	or Claimed
Name or Wholesal	Facility Capacit	(City/Cou nty, State)	of Delive	(Product Name)	(Yes/No)	ed MWh	Used to Meet	Bank ed for	ble Resourc	(Month/ Year)	(Month/ Year)	(Month/ Year)
e	v/OR	rity, State)	ry or	ivaille)			Sales	Futur	e Type	(Cai)	i cai)	i cai j
Supplier	Share		Contra				Require	e Use	, , , ,			
	of		ct				ment					
	Capacit						This					
	y (MW)						Reporti					
							ng Year	0		1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016	3/1/2016	3/1/2016
								0		4/1/2016	4/1/2016	4/1/2016
	100.5							0		5/1/2016	5/1/2016	5/1/2016
	MW	Gilliam	COD	100%				0		6/1/2016	6/1/2016	6/1/2016
Leaning Juniper	Installe d	County,	=	Renewa	No			0	Wind	7/1/2016	7/1/2016	7/1/2016
Julipei	Capacit	OR	2006	ble				0		8/1/2016	8/1/2016	8/1/2016
	у							0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0		11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016
L			<u>I</u>						l	l .	ı	
								0		1/1/2016	1/1/2016	1/1/2016
								0		1/1/2016 2/1/2016	1/1/2016 2/1/2016	1/1/2016 2/1/2016
Neal Hot	00.0							0		2/1/2016	2/1/2016	2/1/2016
Springs	33.0 MW							0		2/1/2016 3/1/2016	2/1/2016 3/1/2016	2/1/2016 3/1/2016
Springs Unit #1 –	33.0 MW Installe	Malheur	COD	100% Panawa	No			0 0	Geother	2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016	2/1/2016 3/1/2016 4/1/2016	2/1/2016 3/1/2016 4/1/2016
Springs Unit #1 – Neal Hot	MW Installe d	County,	=	Renewa	No			0 0 0 0	Geother mal	2/1/2016 3/1/2016 4/1/2016 5/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016
Springs Unit #1 – Neal Hot Springs Geother	MW Installe d Capacit				No			0 0 0 0		2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016
Springs Unit #1 – Neal Hot Springs	MW Installe d	County,	=	Renewa	No			0 0 0 0 0		2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016
Springs Unit #1 – Neal Hot Springs Geother	MW Installe d Capacit	County,	=	Renewa	No			0 0 0 0 0 0		2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016 8/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016 8/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016 8/1/2016
Springs Unit #1 – Neal Hot Springs Geother	MW Installe d Capacit	County,	=	Renewa	No			0 0 0 0 0 0 0		2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016 8/1/2016 9/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016 8/1/2016 9/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016 8/1/2016 9/1/2016
Springs Unit #1 – Neal Hot Springs Geother	MW Installe d Capacit	County,	=	Renewa	No			0 0 0 0 0 0 0 0		2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016 8/1/2016 9/1/2016 10/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016 8/1/2016 9/1/2016 10/1/2016	2/1/2016 3/1/2016 4/1/2016 5/1/2016 6/1/2016 7/1/2016 8/1/2016 9/1/2016 10/1/2016

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC Reporting Year: 2016

		Used to Mee			ı	T		1		1	•	1
Generato	Generat	Generator	First	Generat	Previously	Total	Total	Total	Fuel/	Date	Date	Date Used
r Facility	or	Location	Year	ed For	Banked	Generat	MWh	MWh	Renewa	Generated	Acquired	or Claimed
Name or Wholesal	Facility Capacit	(City/Cou nty, State)	of Delive	(Product Name)	(Yes/No)	ed MWh	Used to Meet	Bank ed for	ble Resourc	(Month/ Year)	(Month/ Year)	(Month/ Year)
e	v/OR	rity, State)	ry or	(Name)			Sales	Futur	e Type	i eai)	i eai)	i eai)
Supplier	Share		Contra				Require	e Use	, , , .			
	of		ct				ment					
	Capacit						This					
	y (MW)						Reporti					
							ng Year	0		1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016	3/1/2016	3/1/2016
								0		4/1/2016	4/1/2016	4/1/2016
	9.9 MW							0		5/1/2016	5/1/2016	5/1/2016
Oregon	Installe	Umatilla	COD	100%				0		6/1/2016	6/1/2016	6/1/2016
Trail Windfarm	d	County,	=	Renewa	No			0	Wind	7/1/2016	7/1/2016	7/1/2016
LLC	Capacit	OR	2009	ble				0		8/1/2016	8/1/2016	8/1/2016
	У							0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0		11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016
								0		1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016	3/1/2016	3/1/2016
	8.25							0		4/1/2016	4/1/2016	4/1/2016
Pacific	MW		000					0		5/1/2016	5/1/2016	5/1/2016
Canyon	Installe	Morrow County,	COD =	100% Renewa	No			0	Wind	6/1/2016	6/1/2016	6/1/2016
Windfarm	d	OR	2009	ble	INU			0	VVIIIU	7/1/2016	7/1/2016	7/1/2016
LLC	Capacit y	-						0		8/1/2016	8/1/2016	8/1/2016
	y							0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0		11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

		Used to Mee			T					1 _		1 _
Generato	Generat	Generator	First	Generat	Previously	Total	Total	Total	Fuel/	Date	Date	Date Used
r Facility	or Facility	Location	Year of	ed For	Banked	Generat	MWh	MWh	Renewa	Generated	Acquired	or Claimed
Name or Wholesal	Facility Capacit	(City/Cou nty, State)	Delive	(Product Name)	(Yes/No)	ed MWh	Used to Meet	Bank ed for	ble Resourc	(Month/ Year)	(Month/ Year)	(Month/ Year)
e	v/OR	rity, State)	ry or	ivallie)			Sales	Futur	e Type	i eai)	i eai)	i eai)
Supplier	Share		Contra				Require	e Use	0.760			
	of		ct				ment					
	Capacit						This					
	y (MW)						Reporti					
							ng Year	0		1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016	3/1/2016	3/1/2016
								0		4/1/2016	4/1/2016	4/1/2016
	9.9 MW							0		5/1/2016	5/1/2016	5/1/2016
Sand	Installe	Morrow	COD	100%				0		6/1/2016	6/1/2016	6/1/2016
Ranch Windfarm	d	County,	=	Renewa	No			0	Wind	7/1/2016	7/1/2016	7/1/2016
LLC	Capacit	OR	2009	ble				0		8/1/2016	8/1/2016	8/1/2016
	У							0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0		11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016
								0		12/1/2010	12/1/2010	12/1/2010
								0		1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016	3/1/2016	3/1/2016
								0		4/1/2016	4/1/2016	4/1/2016
	9.9 MW							0		5/1/2016	5/1/2016	5/1/2016
Threemil	Installe	Morrow	COD	100%				0		6/1/2016	6/1/2016	6/1/2016
e Canyon Wind	d Capacit	County, OR	= 2009	Renewa ble	No			0	Wind	7/1/2016	7/1/2016	7/1/2016
VVIIIU	у	OK	2009	DIE				0	1	8/1/2016	8/1/2016	8/1/2016
								0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0	1	11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016
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Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

		Used to Mee			T			-	T	1 _	T =	
Generato	Generat	Generator	First	Generat	Previously	Total	Total	Total	Fuel/	Date	Date	Date Used
r Facility	or Facility	Location	Year of	ed For	Banked	Generat	MWh	MWh	Renewa	Generated	Acquired	or Claimed
Name or Wholesal	Facility Capacit	(City/Cou nty, State)	Delive	(Product Name)	(Yes/No)	ed MWh	Used to Meet	Bank ed for	ble Resourc	(Month/ Year)	(Month/ Year)	(Month/ Year)
e	v/OR	Tity, State)	ry or	ivallie)			Sales	Futur	e Type	i eai)	i eai)	rear)
Supplier	Share		Contra				Require	e Use	. , , , ,			
	of		ct				ment					
	Capacit						This					
	y (MW)						Reporti					
							ng Year	0		1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016	3/1/2016	3/1/2016
								0		4/1/2016	4/1/2016	4/1/2016
	3.3 MW							0		5/1/2016	5/1/2016	5/1/2016
Wagon	Installe	Umatilla	COD	100%				0		6/1/2016	6/1/2016	6/1/2016
Trail LLC	d	County, OR	= 2009	Renewa ble	No			0	Wind	7/1/2016	7/1/2016	7/1/2016
	Capacit y	OK	2009	ble				0	1	8/1/2016	8/1/2016	8/1/2016
								0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0		11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016
	1	I	1		T				1	1	T	1
								0		1/1/2016	1/1/2016	1/1/2016
								0		2/1/2016	2/1/2016	2/1/2016
								0		3/1/2016	3/1/2016	3/1/2016
								0		4/1/2016	4/1/2016	4/1/2016
Ward	6.6 MW Installe	Umatilla	COD	100%				0		5/1/2016	5/1/2016	5/1/2016
Butte	d	County,	=	Renewa	No			0	Wind	6/1/2016	6/1/2016	6/1/2016
Windfarm LLC	Capacit	OR	2009	ble				0		7/1/2016	7/1/2016	7/1/2016
LLC	У							0		8/1/2016	8/1/2016	8/1/2016
								0		9/1/2016	9/1/2016	9/1/2016
								0		10/1/2016	10/1/2016	10/1/2016
								0		11/1/2016	11/1/2016	11/1/2016
								0		12/1/2016	12/1/2016	12/1/2016

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC Reporting Year: 2016

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Generato	Generat	Generator	First	Generat	Previously	Total	Total	Total	Fuel/	Date	Date	Date Used
r Facility	or	Location	Year	ed For	Banked	Generat	MWh	MWh	Renewa	Generated	Acquired	or Claimed
Name or	Facility	(City/Cou	of	(Product	(Yes/No)	ed MWh	Used to	Bank	ble	(Month/	(Month/	(Month/
Wholesal	Capacit	nty, State)	Delive	Name)			Meet	ed for	Resourc	Year)	Year)	Year)
е	y/OR		ry or				Sales	Futur	e Type			
Supplier	Share		Contra				Require	e Use				
	of		ct				ment					
	Capacit						This					
	y (MW)						Reporti					
							ng Year					
						Total:	0					

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables,LLC

Reporting Year: 2016

List of New	<i>ı</i> * Renewabl	le Energy C	<u>ertificates</u>	(or Tradable	: Renewab	<u>le Certificat</u>	es) Used to M	eet Sales Re	equireme	nt.					
Generato r Facility Name or Wholesal e Supplier	Capacity/	County,	First Year of Delivery or Contract	Purchased For (Product - Name)	Un-	Previously Banked (Yes/No)	Generator Used Total Represented MWh	MWh Used to Meet Sales Requirem ent This Reporting Year	Total MWh Banked for Future Use	Resource	Total Sold  Date Issued (Month/ Year)	Date Acquired (Month) Year)	Date Sold Month/ Year)	Sold but Used for Complianc e During Previous Reporting Period (Yes/No)	WREGIS Serial Number
											1/12016	1/1/2016	1/1/2016		
											2/1/2016	2/1/2016	2/1/2016		
											3/1 /2016	3/1/2016	3/1/2016		
											4/1/2016	4/1/2016	4/1/2016		
											5/1/2016	5/1/2016	5/1/2016	No	
Big Top	1.65 MW Installed	Morrow County,	COD =	100%	Bundled	No			0	Wind	6/1/2016	6/1/2016	6/1/2016		
ĽLC	Capacity	OR OR	2009	Renewable	Danalea	NO			U	VVIIIG	7/1/2016	7/1/2016	7/1/2016		
											8/1/2016	8/1/2016	8/1/2016		
											9/1/2016	9/1/2016	9/1/2016		
											10/1/2016	10/1/2016	10/1/2016		
											11/1/2016	11/1/2016	11/1/2016		
											12/1/2016	12/1/2016	12/1/2016		
			-												

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of New	/* Renewabl	e Energy C	ertificates	(or Tradable	Renewab	le Certificat	tes) Used to M	eet Sales Re	equireme	nt.					
Generato r Facility Name or Wholesal e Supplier	Capacity/ OR Share	County,		Purchased For (Product - Name)	Bundled/ Un- bundled	Previously Banked (Yes/No)	Generator Used Total Represented MWh	MWh Used to Meet Sales Requirem ent This Reporting	Total MWh Banked for Future Use	Renewabl e Resource Type	Total Sold  Date Issued (Month/ Year)	Date Acquired (Month) Year)	Doto	Sold but Used for Complianc e During Previous Reporting Period (Yes/No)	WREGIS Serial Number
											1/12016	1/1/2016	1/1/2016		
											2/1/2016	2/1/2016	2/1/2016		
											3/1 /2016	3/1/2016	3/1/2016		
											4/1/2016	4/1/2016	4/1/2016		
											5/1/2016	5/1/2016	5/1/2016	No	
Butter Creek	4.95 MW Installed	Umatilla County,	COD =	100%	Bundled	No			0	Wind	6/1/2016	6/1/2016	6/1/2016		
Power LLC		OR	2009	Renewable	Danaica	110				Villa	7/1/2016	7/1/2016	7/1/2016		
											8/1/2016	8/1/2016	8/1/2016		
											9/1/2016	9/1/2016	9/1/2016		
											10/1/2016	10/1/2016	10/1/2016		
											11/1/2016	11/1/2016	11/1/2016		
											12/1/2016	12/1/2016	12/1/2016	Ī	

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of Nev	w* Renewab	le Energy C	ertificates	(or Tradable	Renewab	le Certificat	tes) Used to M	eet Sales Re	equireme	nt.					
Generato r Facility Name or Wholesa e Supplier	Capacity OR Share of Capacity	County,		(Floduct	Bundled/ Un- bundled	Previously Banked (Yes/No)	Generator Used Total Represented MWh	MWh Used to Meet Sales Requirem ent This Reporting Year	Total MWh Banked for Future Use	Renewabl e Resource Type	Total Sold  Date Issued (Month/ Year)	Date Acquired (Month) Year)	Date Sold Month/ Year)	Sold but Used for Complianc e During Previous Reporting Period (Yes/No)	WREGIS Serial Number
											1/12016	1/1/2016	1/1/2016		
											2/1/2016	2/1/2016	2/1/2016		
											3/1 /2016	3/1/2016	3/1/2016		
											4/1/2016	4/1/2016	4/1/2016		
											5/1/2016	5/1/2016	5/1/2016	No	
Elkhorn Valley	100.65 MW	Union County,	COD =	100%	Bundled	No			0	Wind	6/1/2016	6/1/2016	6/1/2016		
Wind Farm	Installed Capacity	OR OR	2007	Renewable	Bariaica	140			U	VVIIIG	7/1/2016	7/1/2016	7/1/2016		
											8/1/2016	8/1/2016	8/1/2016		
											9/1/2016	9/1/2016	9/1/2016		
											10/1/2016	10/1/2016	10/1/2016		
											11/1/2016	11/1/2016	11/1/2016		
											12/1/2016	12/1/2016	12/1/2016		

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of New\* Renewable Energy Certificates (or Tradable Renewable Certificates) Used to Meet Sales Requirement. Sold but Used for **Total Sold** MWh Complianc e During Total Generator Used to Generato Generator First Facility Purchased Used MWh Renewabl Date Date Bundled/ Previously Meet Previous r Facility Location Year of Date Total Banked Acquired WREGIS Serial Capacity/ For Issued Banked Sales Reporting Name or (City/ Delivery Un-Sold **OR Share** (Product Represented (Month) for Resource (Month/ Number (Yes/No) Period bundled Requirem Month/ Wholesal County, MWh Future Year) - Name) Type Year) (Yes/No) ent This Year) State) Contract е Use Capacity Reporting Supplier (MW) 1/12016 1/1/2016 1/1/2016 2/1/2016 2/1/2016 2/1/2016 3/1/2016 3/1/2016 3/1 /2016 4/1/2016 4/1/2016 4/1/2016 No 5/1/2016 5/1/2016 5/1/2016 Four 6/1/2016 6/1/2016 6/1/2016 10.0 MW Umatilla Corners COD = 100% Wind Installed County, Bundled No 0 Windfarm 2009 Renewable Capacity OR 7/1/2016 7/1/2016 7/1/2016 LLC 8/1/2016 8/1/2016 8/1/2016 9/1/2016 9/1/2016 9/1/2016 10/1/2016 10/1/2016 10/1/2016 11/1/2016 11/1/2016 11/1/2016

12/1/2016

12/1/2016 12/1/2016

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of New	/* Renewabl	le Energy C	ertificates	(or Tradable	Renewab	le Certificat	tes) Used to M	eet Sales Re	equireme	nt.					
Generato r Facility Name or Wholesal e Supplier	Capacity/	County,		(Floduct	Bundled/ Un- bundled	Previously Banked (Yes/No)	Generator Used Total Represented MWh	MWh Used to Meet Sales Requirem ent This Reporting Year	Total MWh Banked for Future Use	Renewabl e Resource Type	Total Sold  Date Issued (Month/ Year)	Date Acquired (Month) Year)	Date Sold Month/ Year)	Sold but Used for Complianc e During Previous Reporting Period (Yes/No)	WREGIS Serial Number
											1/12016	1/1/2016	1/1/2016		
											2/1/2016	2/1/2016	2/1/2016		
											3/1 /2016	3/1/2016	3/1/2016		
											4/1/2016	4/1/2016	4/1/2016		
											5/1/2016	5/1/2016	5/1/2016	No	
Four Mile Canyon	10.0 MW Installed	Umatilla County,	COD =	100%	Bundled	No			0	Wind	6/1/2016	6/1/2016	6/1/2016		
Windfarm LLC	Capacity	OR OR	2009	Renewable	Bariaica	140			U	VVIIIG	7/1/2016	7/1/2016	7/1/2016		
											8/1/2016	8/1/2016	8/1/2016		
											9/1/2016	9/1/2016	9/1/2016		
											10/1/2016	10/1/2016	10/1/2016		
											11/1/2016	11/1/2016	11/1/2016		
											12/1/2016	12/1/2016	12/1/2016		

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of New\* Renewable Energy Certificates (or Tradable Renewable Certificates) Used to Meet Sales Requirement. Sold but Used for Complianc e During Total Sold MWh Total Generator Used to Generato Generator First Facility Purchased Used MWh Renewabl Date Date Bundled/ Previously Previous Meet r Facility Location Year of Date Banked WREGIS Serial Capacity/ For Total е Issued Acquired Delivery Un-Banked Sales Reporting (City/ Sold Name or Represented (Product **OR Share** for Resource (Month/ (Month) Number Period Wholesal County, bundled (Yes/No) Requirem Month/ or MWh - Name) Future Type Year) Year) of (Yes/No) Contract ent This Year) State) Use Capacity Reporting Supplier (MW) 1/12016 1/1/2016 1/1/2016 2/1/2016 2/1/2016 2/1/2016 3/1 /2016 3/1/2016 3/1/2016 4/1/2016 4/1/2016 4/1/2016 No 5/1/2016 5/1/2016 5/1/2016 6/1/2016 6/1/2016 6/1/2016 100.5 MW Gilliam Leaning COD = 100% Installed County, Bundled 0 Wind No 2006 Renewable Juniper Capacity OR 7/1/2016 7/1/2016 7/1/2016 8/1/2016 8/1/2016 8/1/2016 9/1/2016 9/1/2016 9/1/2016 10/1/2016 10/1/2016 10/1/2016 11/1/2016 11/1/2016 11/1/2016 12/1/2016 12/1/2016 12/1/2016

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of New\* Renewable Energy Certificates (or Tradable Renewable Certificates) Used to Meet Sales Requirement. Sold but Used for Complianc e During Total Sold MWh Total Generator Used to Generato Generator First Facility Purchased Used MWh Renewabl Date Date Bundled/ Previously Previous Meet r Facility Location Year of Date Banked Capacity/ For Total е Issued Acquired WREGIS Serial Delivery Un-Banked Sales Reporting (City/ Sold Name or Represented (Product **OR Share** for Resource (Month/ (Month) Number Period Wholesal County, bundled (Yes/No) Requirem Month/ or MWh - Name) Future Type Year) Year) of (Yes/No) Contract ent This Year) State) Use Capacity Reporting Supplier (MW) 1/12016 1/1/2016 1/1/2016 2/1/2016 2/1/2016 2/1/2016 3/1 /2016 3/1/2016 3/1/2016 4/1/2016 4/1/2016 4/1/2016 No 5/1/2016 5/1/2016 5/1/2016 Neal Hot **Springs** 6/1/2016 6/1/2016 6/1/2016 Unit #1 – 33.0 MW Malheur COD = 100% Installed County, Bundled 0 Geotherm Neal Hot No 2012 Renewable **Springs** Capacity OR al 7/1/2016 7/1/2016 7/1/2016 Geotherma 8/1/2016 8/1/2016 8/1/2016 9/1/2016 9/1/2016 9/1/2016 10/1/2016 10/1/2016 10/1/2016 11/1/2016 11/1/2016 11/1/2016 12/1/2016 12/1/2016 12/1/2016

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of New	<sup>r</sup> Renewabl	e Energy C	ertificates	(or Tradable	Renewab	le Certificat	es) Used to M	eet Sales Re	equireme	nt.					
Generato r Facility Name or Wholesal e Supplier	Facility Capacity/ OR Share of Capacity (MW)	County,		(Product	Bundled/ Un- bundled	Previously Banked (Yes/No)	Generator Used Total Represented MWh	MWh Used to Meet Sales Requirem ent This Reporting Year	Total MWh Banked for Future Use	Renewabl e Resource Type	Total Sold  Date Issued (Month/ Year)	Date Acquired (Month) Year)	Date Sold Month/ Year)	Sold but Used for Complianc e During Previous Reporting Period (Yes/No)	WREGIS Serial Number
											1/12016	1/1/2016	1/1/2016		
											2/1/2016	2/1/2016	2/1/2016		
											3/1 /2016	3/1/2016	3/1/2016		
											4/1/2016	4/1/2016	4/1/2016		
											5/1/2016	5/1/2016	5/1/2016	No	
Oregon Trail	9.9 MW Installed	Umatilla County,	COD =	100%	Bundled	No			0	Wind	6/1/2016	6/1/2016	6/1/2016		
Windfarm LLC	Capacity	OR OR	2009	Renewable	Danalea	NO			U	VVIIIG	7/1/2016	7/1/2016	7/1/2016		
											8/1/2016	8/1/2016	8/1/2016		
											9/1/2016	9/1/2016	9/1/2016		
											10/1/2016	10/1/2016	10/1/2016		
											11/1/2016	11/1/2016	11/1/2016		
,											12/1/2016	12/1/2016	12/1/2016		
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Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of New	/* Renewab	le Energy C	ertificates	(or Tradable	Renewab	le Certificat	tes) Used to M	eet Sales Re	equireme	nt.					
Generato r Facility Name or Wholesal e Supplier	Capacity/ OR Share	County,	First Year of Delivery or Contract	Purchased For (Product - Name)	Bundled/ Un- bundled	Previously Banked (Yes/No)	Generator Used Total Represented MWh	MWh Used to Meet Sales Requirem ent This Reporting	Total MWh Banked for Future Use	Renewabl e Resource Type	Total Sold  Date Issued (Month/ Year)	Date Acquired (Month) Year)	Date Sold Month/ Year)	Sold but Used for Complianc e During Previous Reporting Period (Yes/No)	WREGIS Serial Number
											1/12016	1/1/2016	1/1/2016		
											2/1/2016	2/1/2016	2/1/2016		
											3/1 /2016	3/1/2016	3/1/2016		
											4/1/2016	4/1/2016	4/1/2016		
											5/1/2016	5/1/2016	5/1/2016	No	
Pacific Canyon	8.25 MW Installed	Morrow County,	COD =	100%	Bundled	No			0	Wind	6/1/2016	6/1/2016	6/1/2016		
Windfarm LLC	Capacity	OR OR	2009	Renewable	Danalea	INO			U	VVIIIG	7/1/2016	7/1/2016	7/1/2016		
											8/1/2016	8/1/2016	8/1/2016		
											9/1/2016	9/1/2016	9/1/2016		
											10/1/2016	10/1/2016	10/1/2016		
											11/1/2016	11/1/2016	11/1/2016		
											12/1/2016	12/1/2016	12/1/2016		
											1				

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of	New* Renewal	ole Energy C	ertificates	(or Tradable	Renewab	le Certificat	tes) Used to M	leet Sales Re	equireme	nt.					
Genor Fa Nam Who Sup	cility e or lesal of	(City/ County,	First Year of Delivery or Contract	Purchased For (Product - Name)	Bundled/ Un- bundled	Previously Banked (Yes/No)	Generator Used Total Represented MWh	MWh Used to Meet Sales Requirem ent This Reporting Year	Total MWh Banked for Future Use	Renewabl e Resource Type	Total Sold  Date Issued (Month/ Year)	Date Acquired (Month) Year)	Date Sold Month/ Year)	Sold but Used for Complianc e During Previous Reporting Period (Yes/No)	WREGIS Serial Number
											1/12016	1/1/2016	1/1/2016		
											2/1/2016	2/1/2016	2/1/2016		
											3/1 /2016	3/1/2016	3/1/2016		
											4/1/2016	4/1/2016	4/1/2016		
											5/1/2016	5/1/2016	5/1/2016	No	
Sar Ran	u u u i	Morrow County,	COD =	100%	Bundled	No			0	Wind	6/1/2016	6/1/2016	6/1/2016		
Windt LL	arm   Capacity		2009	Renewable	Durialea	NO			U	VVIIIG	7/1/2016	7/1/2016	7/1/2016		
											8/1/2016	8/1/2016	8/1/2016		
											9/1/2016	9/1/2016	9/1/2016		
											10/1/2016	10/1/2016	10/1/2016		
											11/1/2016	11/1/2016	11/1/2016		
											12/1/2016	12/1/2016	12/1/2016		

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of Nev	v* Renewab	le Energy C	ertificates	(or Tradable	Renewab	le Certificat	tes) Used to M	leet Sales Re	equireme	nt.					
Generato r Facility Name or Wholesa e Supplier	Capacity/ OR Share of	(City/ County,	First Year of Delivery or Contract	(Product	Bundled/ Un- bundled	Previously Banked (Yes/No)	Generator Used Total Represented MWh	MWh Used to Meet Sales Requirem ent This Reporting Year	Total MWh Banked for Future Use	Renewabl e Resource Type	Total Sold  Date Issued (Month/ Year)	Date Acquired (Month) Year)	Date Sold Month/ Year)	Sold but Used for Complianc e During Previous Reporting Period (Yes/No)	WREGIS Serial Number
											1/12016	1/1/2016	1/1/2016		
											2/1/2016	2/1/2016	2/1/2016		
											3/1 /2016	3/1/2016	3/1/2016		
											4/1/2016	4/1/2016	4/1/2016		
											5/1/2016	5/1/2016	5/1/2016	No	
Threemile Canyon	9.9 MW Installed	Morrow County,	COD =	100%	Bundled	No			0	Wind	6/1/2016	6/1/2016	6/1/2016		
Wind	Capacity	OR OR	2009	Renewable	Banaica	140			U	VVIIIG	7/1/2016	7/1/2016	7/1/2016		
											8/1/2016	8/1/2016	8/1/2016		
											9/1/2016	9/1/2016	9/1/2016		
											10/1/2016	10/1/2016	10/1/2016		
											11/1/2016	11/1/2016	11/1/2016		
											12/1/2016	12/1/2016	12/1/2016		
				1							1				

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of New	/* Renewab	le Energy C	ertificates	(or Tradable	Renewab	le Certificat	tes) Used to M	eet Sales Re	equireme	nt.					
Generato r Facility Name or Wholesal e Supplier	Capacity/ OR Share	County,	First Year of Delivery or Contract	Purchased For (Product - Name)	Bundled/ Un- bundled	Previously Banked (Yes/No)	Generator Used Total Represented MWh	MWh Used to Meet Sales Requirem ent This Reporting	Total MWh Banked for Future Use	Renewabl e Resource Type	Total Sold  Date Issued (Month/ Year)	Date Acquired (Month) Year)	Date Sold Month/ Year)	Sold but Used for Complianc e During Previous Reporting Period (Yes/No)	WREGIS Serial Number
											1/12016	1/1/2016	1/1/2016		
											2/1/2016	2/1/2016	2/1/2016		
											3/1 /2016	3/1/2016	3/1/2016		
											4/1/2016	4/1/2016	4/1/2016		
											5/1/2016	5/1/2016	5/1/2016	No	
Wagon	3.3 MW Installed	Umatilla County,	COD =	100%	Bundled	No			0	Wind	6/1/2016	6/1/2016	6/1/2016		
Trail LLC	Capacity	OR OR	2009	Renewable	Danalea	NO			U	VVIIIG	7/1/2016	7/1/2016	7/1/2016		
											8/1/2016	8/1/2016	8/1/2016		
											9/1/2016	9/1/2016	9/1/2016		
											10/1/2016	10/1/2016	10/1/2016		
											11/1/2016	11/1/2016	11/1/2016		
											12/1/2016	12/1/2016	12/1/2016		
											1				

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

List of New	<u>/* Renew</u> abl	e Energy C	<u>ertificates</u>	(or Tradable	Renewab	le Certificat	tes) Used to M	eet Sales Re	equireme	nt.					
Generato r Facility Name or Wholesal e Supplier	Capacity OR Share of	(City/ County,	First Year of Delivery or Contract	(Product	Bundled/ Un- bundled	Previously Banked (Yes/No)	Generator Used Total Represented MWh	MWh Used to Meet Sales Requirem ent This Reporting	Total MWh Banked for Future Use	Renewabl e Resource Type	Total Sold  Date Issued (Month/ Year)	Date Acquired (Month) Year)	Date Sold Month/ Year)	Sold but Used for Complianc e During Previous Reporting Period (Yes/No)	WREGIS Serial Number
											1/12016	1/1/2016	1/1/2016		
											2/1/2016	2/1/2016	2/1/2016		
											3/1 /2016	3/1/2016	3/1/2016		
											4/1/2016	4/1/2016	4/1/2016		
											5/1/2016	5/1/2016	5/1/2016	No	
Ward Butte Windfarm	6.6 MW Installed	Umatilla County,	COD =	100%	Bundled	No			0	Wind	6/1/2016	6/1/2016	6/1/2016		
LLC	Capacity	OR OR	2009	Renewable	Danalea	NO			U	VVIIIG	7/1/2016	7/1/2016	7/1/2016		
											8/1/2016	8/1/2016	8/1/2016		
											9/1/2016	9/1/2016	9/1/2016		
											10/1/2016	10/1/2016	10/1/2016		
											11/1/2016	11/1/2016	11/1/2016		
											12/1/2016	12/1/2016	12/1/2016		
1				1											

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Reporting Year: 2016

Sale of Block\* Products

Product Name	Block Size (kWh)	Residential Customer Blocks	Non-Residential Customer Blocks Sold	Total Blocks Sold	New Renewables MWh Sold	Existing Renewables MWh Sold	Total MWh Sold
100% Renewable		0	1		1		
Total Block Sales			1		1		

<sup>\*</sup>Avangrid Renewables, LLC is interpreting "block" to mean the type of power being sold as 100% renewable energy.

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC Reporting

Year: 2016

# Sale of Blended Products

Product Name	% New Renewables in Product	% Existing Renewables in Product	Residential Customer MWh Sold	Non- Residential Customer MWh Sold	New Renewables MWh Sold	Existing Renewables MWh Sold	Total MWh Sold
			NIA				
			Total: 0				

Power Source and Environmental Impact Reconciliation Electricity Service Supplier Name: Avangrid Renewables, LLC

Marketer Name: Avangrid Renewables, LLC

Reporting Year: 2016

Portfolio Options Cost Reconciliation	
Total Revenue	
Portion Allocated to Development Fund	
Spend for Community Based Projects	
Spent for REC Purchases	
Spent for Transaction Fees	
Spent for Generation Purchases	Not applicable to Avangrid
Spent for Marketing	Renewables, LLC
Spent for Marketer Profit & Overhead	
Spent for Company Administration	
Spent for Company Advertising	
Total Expense	
Expense/Revenue Ratio	

# **Certificate of Service**

I hereby certify that I served a true and correct copy of the foregoing document in Docket UM 1835 on the following named persons on the date indicated below by email addressed to said persons at his or her last-known address indicated below

Paul Rossow
Public Utility Commission of Oregon
PO Box 1088
Salem OR 97308-1088
paul.rossow@state.or.us

Michael Weirich Oregon Department of Justice 1162 Court Street NE Salem, OR 97301-4796 michael.weirich@state.or.us

Show Till

DATED: August 29, 2017

Alisha Till

Administrative Assistant