



e-FILING REPORT COVER SHEET

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REPORT NAME: 2017 Smart Energy™ Reconciliation Report

COMPANY NAME: NW Natural Gas Company

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION? No Yes

If yes, please submit only the cover letter electronically. Submit confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

If known, please select designation: RE (Electric) RG (Gas) RW (Water) RO (Other)

Report is required by: OAR

Statute

Order

Other Portfolio Options Committee requested report annually

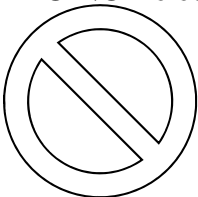
Is this report associated with a specific docket/case? No Yes

If yes, enter docket number: RG 2

List applicable Key Words for this report to facilitate electronic search:

NW Natural, Smart Energy™, offsets, reconciliation report, POC, Portfolio Options Committee, 2017

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- Any daily safety or safety incident reports or
- Accident reports required by ORS 654.715

Please file the above reports according to their individual instructions.

GAIL A. HAMMER
Tariffs and Regulatory Compliance
Tel: 503.226.4211, ext. 5865
Fax: 503.721.2516
email: gail.hammer@nwnatural.com



VIA ELECTRONIC FILING

March 5, 2018

Public Utility Commission of Oregon
Attention: Filing Center
201 High Street SE Suite 100
Post Office Box 1088
Salem, Oregon 97308-1088

Re: RG-2 - NW Natural's 2017 Smart Energy™ Reconciliation Report

Northwest Natural Gas Company, dba NW Natural ("NW Natural" or the "Company"), hereby files its Smart Energy™ Reconciliation Report for the program year of January 1, 2017 through December 31, 2017, as requested by the Portfolio Options Committee, which oversees and advises the Company's offset program.

Please contact me at (503) 226-4211, extension 5865, if you have any questions.

Sincerely,

NW NATURAL

/s/ Gail Hammer

Gail Hammer
Rates & Regulatory Affairs

Attachment

Smart Energy Product Reporting

Demand Reconciliation

For the period of January 1, 2017 – December 31, 2017

Table 1: Participating Customer Billings & Resulting Greenhouse Gas Offsets

Calendar Year	Smart Energy Funds Billed	Therms to be offset	Obligation short tons
2017	\$2,352,496.87 ¹	22,434,644.96	131,242.67

11.7 pounds per therm based on the recognized standard of U.S. Energy Information Administration
170.94 therms per short ton

¹ Collections, net of uncollectable allowance

Smart Energy Product Reporting

Supply Reconciliation

For the period of January 1, 2017 – December 31, 2017

Table 2: Offset Obligations & Retirements

Calendar	Offset Activity	Short Tons
Year	Obligations	192,715.09
2017	Retirements	116,940.78

Smart Energy Offset Project Obligations
 Totals By Project

Project	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Bettencourt Dairy - B6	51,208	56,446.57	41,208	45,423.58	(10,000)	(11,022.99)
Revolution Energy Solutions - Lochmead Farms	21,009	23,158.22	17,199	18,958.46	(3,810)	(4,199.76)
Farm Power - Lynden	20,000	22,046.00	20,000	22,046.00	0	0.00
Farm Power - Misty Meadow	105,728	116,543.97	45,728	50,405.97	(60,000)	(66,138.00)
J.R. Simplot - Moses Lake	126,476	139,414.50	128,320	141,447.14	1,844	2,032.64
J.R. Simplot - Moses Lake 2	105,000	115,741.50	0	0.00	(105,000)	(115,741.50)
Revolution Energy Solutions - Oak Lea	23,250	25,628.46	11,507	12,684.17	(11,743)	(12,944.29)
Farm Power - Rexville	52,420	57,782.54	32,908	36,274.49	(19,512)	(21,508.05)
Farm Power - Tillamook	91,173	100,500.00	35,926	39,601.23	(55,247)	(60,898.77)
TMF Biofuels - TMF Biofuels	15,000	16,534.50	15,000	16,534.50	0	0.00
Mass Energy Works - Van Warmerdam	36,497	40,230.64	11,329	12,487.96	(25,168)	(27,742.68)
Intrepid Technology Resources - Whitesides Dairy	17,067	18,812.95	17,067	18,812.95	0	0.00
Total:	664,828	732,839.85	376,192	414,676.44	(288,636)	(318,163.41)

Smart Energy 2017 Offset Obligations
Totals By Project and Authorization

Bettencourt Dairy - B6, Site Location: Gooding, ID				Project Type: Dairy		
BD-B6-SE-1 11/17/2017	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Total Authorized:	51,208	56,446.57	41,208	45,423.58	(10,000)	(11,022.99)

Farm Power - Misty Meadow, Site Location: Tillamook OR				Project Type: Dairy		
FP-MM-SE-5 4/20/2017	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Total Authorized:	4,089	4,507.30	4,089	4,507.30	0	0.00

J.R. Simplot - Moses Lake, Site Location: Moses Lake WA				Project Type: OWD		
JRS-ML-SE-7 6/12/2017	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Total Authorized:	9,363	10,320.83	9,363	10,320.83	0	0.00

J.R. Simplot - Moses Lake 2, Site Location: Moses Lake WA				Project Type: OWD		
JRS-ML2-SE-1 11/17/2017	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Total Authorized:	105,000	115,741.50	0	0.00	(105,000)	(115,741.50)

Farm Power - Tillamook, Site Location: Tillamook OR				Project Type: Dairy		
FP-TK-SE-4 5/10/2017	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Total Authorized:	2,173	2,395.30	2,107	2,322.55	(66)	(72.75)

Mass Energy Works - Van Warmerdam, Site Location: Galt CA				Project Type: Dairy		
MEW-VW-SE-4 8/15/2017	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Total Authorized:	2,997	3,303.59	2,997	3,303.59	0	0.00

Smart Energy 2017 Offset Retirements

Bettencourt Dairy - B6			Site Location: Gooding, ID				Project Type: Dairy	
Project Status			Authorized		Retired		Balance	
			Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
			51,208	56,446.57	41,208	45,423.58	(10,000)	(11,022.99)
Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2015	1/1/2015	12/31/2015	First Environment, Inc.	4/5/2017	7/17/2017	26,245	28,929.86	12/15/2017
Serial Number: CAR-1-US-593-5-207-ID-2015-4286-1001 to 27245								
2016	1/1/2016	12/31/2016	First Environment, Inc.	4/5/2017	7/17/2017	14,963	16,493.71	12/15/2017
Serial Number: CAR-1-US-593-5-207-ID-2016-4285-25136 to 40098								

Revolution Energy Solutions - Lochmead Farms			Site Location: Junction City				Project Type: Dairy	
Project Status			Authorized		Retired		Balance	
			Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
			21,009	23,158.22	17,199	18,958.46	(3,810)	(4,199.76)
Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2016	1/1/2016	12/31/2016	Agri-Waste Technology, Inc.	4/14/2017	6/29/2017	3,649	4,022.29	7/20/2017
Serial Number: TCT Declaration								

Farm Power - Misty Meadow			Site Location: Tillamook				Project Type: Dairy	
Project Status			Authorized		Retired		Balance	
			Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
			105,728	116,543.97	45,728	50,405.97	(60,000)	(66,138.00)
Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2016	1/1/2016	12/31/2016	First Environment, Inc.	1/19/2017	3/24/2017	14,089	15,530.30	5/12/2017
Serial Number: CAR1US9965212OR201622221 to 14089								

J.R. Simplot - Moses Lake			Site Location: Moses Lake				Project Type: OWD	
Project Status			Authorized		Retired		Balance	
			Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
			126,476	139,414.50	128,320	141,447.14	1,844	2,032.64
Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2016	1/1/2016	12/31/2016	Ruby Canyon Engineering	2/14/2017	5/17/2017	27,563	30,382.69	7/5/2017
Serial Number: 5060-210807829-210835391-VCU-043-MER-US-13-448-01012016-31122016-0								

Revolution Energy Solutions - Oak Lea			Site Location: Aumsville				Project Type: Dairy	
Project Status			Authorized		Retired		Balance	
			Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
			23,250	25,628.46	11,507	12,684.17	(11,743)	(12,944.29)
Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2016	1/1/2016	12/31/2016	Agri-Waste Technology, Inc.	4/14/2017	6/29/2017	2,077	2,289.48	7/20/2017
Serial Number: TCT Declaration								

Farm Power - Tillamook			Site Location: Tillamook				Project Type: Dairy	
Project Status			Authorized		Retired		Balance	
			Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
			91,173	100,500.00	35,926	39,601.23	(55,247)	(60,898.77)
Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2016	1/1/2016	12/31/2016	First Environment, Inc.	1/19/2017	5/4/2017	11,107	12,243.25	6/5/2017
Serial Number: CAR-1-US-988-5-212-OR-2016-3254-1 to 11107								

Mass Energy Works - Van Warmerdam			Site Location: Galt				Project Type: Dairy	
Project Status			Authorized		Retired		Balance	
			Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
			36,497	40,230.64	11,329	12,487.96	(25,168)	(27,742.68)
Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2016	5/1/2016	12/31/2016	First Environment, Inc.	5/17/2017	7/6/2017	4,563	5,029.79	8/22/2017
Serial Number: CAR*1*US*998*5*212*CA*2016*4293*1 to 4563								
2017	1/1/2017	4/30/2017	First Environment, Inc.	5/17/2017	7/6/2017	1,832	2,019.41	8/22/2017
Serial Number: CAR*1*US*998*5*212*CA*2017*4292*1 to 1832								