



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

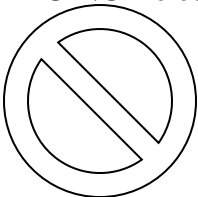
Is this report associated with a specific docket/case? No Yes

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 other Telecommunications Reporting or
- 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
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VIA ELECTRONIC FILING

March 20, 2017

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, 2016 through December 31, 2016, 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, 2016 – December 31, 2016

Table 1: Participating Customer Billings & Resulting Greenhouse Gas Offsets

Calendar Year	Smart Energy Funds Billed	Therms to be offset	Obligation short tons
2016	\$1,813,136.37 ¹	17,291,020.12	101,152.47

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, 2016 – December 31, 2016

Table 1: Offset Obligations & Retirements

Calendar	Offset Activity	Short Tons
Year	Obligations	139,892.89
2016	Retirements	109,356.98

Smart Energy Offset Project Obligations Totals By Project

Project	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Revolution Energy Solutions - Lochmead Farms	21,009	23,158.22	13,550	14,936.17	(7,459)	(8,222.06)
Farm Power - Lynden	20,000	22,046.00	20,000	22,046.00	0	0.00
Farm Power - Misty Meadow	101,639	112,036.67	31,639	34,875.67	(70,000)	(77,161.00)
J.R. Simplot - Moses Lake	117,113	129,093.67	100,757	111,064.44	(16,356)	(18,029.23)
Revolution Energy Solutions - Oak Lea	23,250	25,628.46	9,430	10,394.69	(13,820)	(15,233.77)
Farm Power - Rexville	52,420	57,782.54	32,908	36,274.49	(19,512)	(21,508.05)
Farm Power - Tillamook	89,000	98,104.70	24,819	27,357.98	(64,181)	(70,746.72)
TMF Biofuels - TMF Biofuels	15,000	16,534.50	15,000	16,534.50	0	0.00
Mass Energy Works - Van Warmerdam	33,500	36,927.05	4,934	5,438.75	(28,566)	(31,488.30)
Intrepid Technology Resources - Whitesides Dairy	17,067	18,812.95	17,067	18,812.95	0	0.00
Total:	489,998	540,124.76	270,104	297,735.64	(219,894)	(242,389.12)

Smart Energy 2016 Offset Obligations Totals By Project and Authorization

Farm Power - Misty Meadow, Site Location: Tillamook OR Project Type: Dairy						
FP-MM-SE-3 2/1/2016	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Total Auth:	80,000	88,184.00	10,000	11,023.00	(70,000)	(77,161.00)

FP-MM-SE-4						
7/12/2016	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Total Auth:	4,727	5,210.57	4,727	5,210.57	0	0.00

J.R. Simplot - Moses Lake, Site Location: Moses Lake WA Project Type: OWD						
JRS-ML-SE-6 6/2/2016	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Total Auth:	8,683	9,571.27	8,633	9,516.16	(50)	(55.11)

Mass Energy Works - Van Warmerdam, Site Location: Galt, CA Project Type: Dairy						
MEW-VW-SE-1 7/18/2016	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Total Auth:	33,500	36,927.05	4,934	5,438.75	(28,566)	(31,488.30)

Smart Energy 2016 Offset Retirements Totals By Project and Retirement

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	13,550	14,936.17	(7,459)	(8,222.06)
2016 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	Agri-Waste Technology, Inc.	5/11/2016	11/1/2016	2,982	3,287.06	12/14/2016	
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
				101,639	112,036.67	31,639	34,875.67	(70,000)	(77,161.00)
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.	4/11/2016	6/20/2016	14,727	16,233.57	8/9/2016	
Serial Number: CAR-1-US-996-5-212-OR-2015-2054-1 to 14727									

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
				117,113	129,093.67	100,757	111,064.44	(16,356)	(18,029.23)
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	Ruby Canyon Engineering	2/3/2016	5/6/2016	26,833	29,578.02	7/6/2016	
Serial Number: 4522-188911750-188938582-VCU-043-MER-US-13-448-01012015-31122015-0									

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	9,430	10,394.69	(13,820)	(15,233.77)	
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	Agri-Waste Technology, Inc.	5/11/2016	11/23/2016	2,329	2,567.26	12/14/2016
Serial Number: TCT Declaration								

Farm Power - Rexville				Site Location: Mt. Vernon		Project Type: Dairy		
Project Status		Authorized		Retired		Balance		
		Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	
		52,420	57,782.54	32,908	36,274.49	(19,512)	(21,508.05)	
Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2014	9/1/2014	12/31/2014	First Environment, Inc.	10/27/2015	2/11/2016	2,035	2,243.18	3/22/2016
Serial Number: CAR-1-US-416-5-212-WA-2014-1982-1140 to 3174								
2015	1/1/2015	8/31/2015	First Environment, Inc.	10/27/2015	2/11/2016	9,575	10,554.52	3/22/2016
Serial Number: CAR-1-US-416-5-212-WA-2015-1981-1 to 9575								
2015	9/1/2015	12/31/2015	First Environment, Inc.	8/26/2016	9/29/2016	2,423	2,670.87	10/31/2016
Serial Number: CAR-1-US-416-5-212-WA-2015-2104-1 to 2423								
2016	1/1/2016	8/31/2016	First Environment, Inc.	8/26/2016	9/29/2016	9,351	10,307.61	10/31/2016
Serial Number: CAR-1-US-416-5-212-WA-2016-2103-1 to 9351								

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	
		89,000	98,104.70	24,819	27,357.98	(64,181)	(70,746.72)	
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.	4/11/2016	6/8/2016	9,019	9,941.64	8/4/2016
Serial Number: CAR-1-US-988-5-212-OR-2015-2042-1 to 9019								

TMF Biofuels - TMF Biofuels				Site Location: Boardman		Project Type: Dairy			
Project Status				Authorized		Retired		Balance	
				Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
				15,000	16,534.50	15,000	16,534.50	0	0.00
Project Retirements									
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date	
2013	4/1/2013	12/31/2013	First Environment, Inc.	10/24/2014	12/17/2015	15,000	16,534.50	1/19/2016	
Serial Number: CAR-1-US-1009-5-818-OR-2013-1951-1 to 15000									

Mass Energy Works - Van Warmerdam				Site Location: Galt, CA		Project Type: Dairy			
Project Status				Authorized		Retired		Balance	
				Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
				33,500	36,927.05	4,934	5,438.75	(28,566)	(31,488.30)
Project Retirements									
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date	
2015	5/1/2015	12/31/2015	First Environment, Inc.	6/30/2016	9/6/2016	2,000	2,204.60	10/31/2016	
Serial Number: CAR-1-US-998-5-212-CA-2015-2094-1 to 2000									
2016	1/1/2016	4/30/2016	First Environment, Inc.	6/30/2016	9/6/2016	2,934	3,234.15	10/31/2016	
Serial Number: CAR-1-US-998-5-212-CA-2016-2093-1 to 2934									