



e-FILING REPORT COVER SHEET

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REPORT NAME: 2016 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

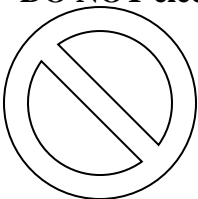
Is this report associated with a specific docket/case? No Yes

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, 2016

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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

May 17, 2016

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 2016 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, 2015 through December 31, 2015, 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, 2015 – December 31, 2015

Table 1: Participating Customer Billings & Resulting Greenhouse Gas Offsets

Calendar Year	Smart Energy Funds Billed	Therms to be offset	Obligation short tons
2015	\$1,539,548.70	14,649,348.85	85,698.69

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

Smart Energy Product Reporting
Supply Reconciliation
For the Life of the Program
December 31, 2015

Table 1: Project Obligations by Calendar Year

Project	Year Contracted							Total Tons	% Portfolio
	2009	2010	2011	2012	2013	2014	2015		
Whitesides	18,813							18,813	5%
FP Rexville	10,500			47,284				57,784	14%
Lochmead		23,148						23,148	6%
Lynden		22,046						22,046	6%
Oak Lea			25,628					25,628	6%
Moses Lake				51,816	240	60,186	7,281	119,522	30%
FP Misty Meadow				13,228			5,415	18,643	5%
FP Tillamook					8,047		90,058	98,105	25%
TMF Biofuels						16,535		16,535	4%
	29,313	45,194	25,628	112,328	8,287	76,720	102,753	400,223.44	100%

Table 2: Project Retired Offsets by Calendar Year

Project	Year Retired							Total Tons	% of Retired
	2009	2010	2011	2012	2013	2014	2015		
Whitesides	18,813							18,813	10%
FP Rexville			1,325	1,835	2,360	2,246	2,732	10,498	6%
Lochmead				2,205	2,220		7,224	11,649	6%
Lynden					18,910	3,136		22,046	12%
Oak Lea					1,495	6,333		7,828	4%
Moses Lake				6,005	34,608	16,019	24,855	81,487	43%
FP Misty Meadow							18,642	18,642	10%
FP Tillamook							17,416	17,416	9%
TMF Biofuels							0	0	0%
	18,813	0	1,325	10,045	58,098	22,896	77,202	188,379	

Table 3: Demand by Calendar Year & Projects Obligated

Funds Received	Project obligated	Date Obligated	Project tons	% of demand	Tons Obligated	Deadline	Therms Funded tons	Difference
2008	FP Rexville	Sept. 2009	10,500.0	62.4%	16,814	1/1/2010	16,814.16	0.00
	Whitesides	Sept. 2009	6,314.2	37.6%				
2009	Whitesides	Sept. 2009	12,498.8	44.6%	28,019	1/1/2011	28,018.56	0.00
	Lochmead	July 2010	15,519.7	55.4%				
2010	Lochmead	July 2010	7,628.3	20.6%	37,020	1/1/2012	37,019.65	0.00
	Lynden	Oct. 2010	22,046.0	59.6%				
	Oak Lea	Sept. 2011	7,345.4	19.8%				
2011	Oak Lea	Sept. 2011	18,282.6	37.9%	48,195	1/1/2013	48,195.41	0.00
	Moses Lake	June 2012	29,912.8	62.1%				
2012	Moses Lake	June 2012	21,903.2	39.8%	54,989	1/1/2014	54,989.45	0.00
	FP Misty Meadow	Sept. 2012	13,228.0	24.1%				
	FP Rexville	Dec. 2012	19,858.2	36.1%				
2013	FP Rexville00	Dec. 2012	27,426.03	39.2%	69,979	1/1/2015	69,979.07	0.00
	FP Tillamook	June 2013	8,047.0	11.5%				
	Moses Lake	Nov. 2013	240.0	0.3%				
	Moses Lake	July 2014	34,266.0	49.0%				
2014	Moses Lake	July 2014	25,919.54	32.1%	80,773	1/1/2016	80,773.30	0.00
	TMF Biofuels	Aug. 2014	16,534.50	20.5%				
	FP Tillamook	March 2015	38,319.26	47.4%				
2015	FP Tillamook	March 2015	51,738.65	60.4%	64,434	1/1/2017	85,698.69	-21,264.85
	Moses Lake	April 2015	7,280.69	8.5%				
	FP Misty Meadow	Nov. 2015	5,414.50	6.3%				
Unobligated			21,264.85	26.3%				
			400,223.44	94.95%	400,223		421,488.29	-21,264.85

Note: Tons, AKA short tons, equals 2,000 pounds.

Revolution Energy Solutions Lochmead Farms

SiteLocation: Junction City State: OR Project Type: Dairy EstVolume 34,500 Duration: 10 Smart Energy total metric tons retired during reporting year: **6,554**

Standard Monitoring and Verification Plan Registry The Climate Trust Protocol: TCT M&V Plan CreditingPeriod: Initial Greenhouse Gas: Methane

Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tons	Short Tons	Retirement Effective Date
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2013 1/1/2013 12/31/2013 Agri-Waste Technology, Inc. 1/1/2014 1/8/2015 2,828 3,117.30 2/4/2015

Serial Numbers: TCT Declaration
Registry Listing URL:

2014 1/1/2014 12/31/2014 Agri-Waste Technology, Inc. 8/18/2015 3,726 4,107.17 9/22/2015

Serial Numbers: TCT Declaration
Registry Listing URL:

Farm Power Misty Meadow

SiteLocation: Tillamook State: OR Project Type: Dairy EstVolume 93,100 Duration: 10 Smart Energy total metric tons retired during reporting year: **16,912**

Standard Climate Action Reserve Registry Climate Action Reserve Protocol: U.S. Livestock Project Protocol, Version 3.0 CreditingPeriod: Initial Greenhouse Gas: Methane

Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tons	Short Tons	Retirement Effective Date
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2013 1/21/2013 12/31/2013 First Environment, Inc. 6/6/2014 9/25/2015 4,131 4,553.60 12/22/2015

Serial Numbers: CAR-1-US-996-5-212-OR-2013-1919-1 to 4131
Registry Listing URL:

2014 1/1/2014 12/31/2014 First Environment, Inc. 6/6/2014 9/25/2015 12,781 14,088.50 12/22/2015

Serial Numbers: CAR-1 -US-996-5-212-OR-2014-1918-1 to 12781
Registry Listing URL:

Smart Energy Offset Projects and Retirements

Reporting Year 2015

J.R. Simplot Moses Lake

SiteLocation: Moses Lake State: WA Project Type: OWD Duration: 10
 Standard Verified Carbon Standard Registry Markit Protocol: VCS ACM0014

Smart Energy total metric tons retired during reporting year: **22,548**
 Greenhouse Gas: Methane

Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tons	Short Tons	Retirement Effective Date
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2014	2/1/2014	12/31/2014	First Environment, Inc.	2/4/2015	5/5/2015	22,548	24,854.66	6/19/2015
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Serial Numbers: 3887167641816167664363VCU043MERUS1344801022014311220140
 Registry Listing URL:

Revolution Energy Solutions Oak Lea

SiteLocation: Aumsville State: OR Project Type: Dairy Duration: 10
 Standard Monitoring and Verification Plan Registry The Climate Trust Protocol:

Smart Energy total metric tons retired during reporting year: **5,745**
 Greenhouse Gas: Methane

Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tons	Short Tons	Retirement Effective Date
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2013	1/1/2013	12/31/2013	Agri+Waste Technology, Inc.	1/1/2013	12/31/2013	2,943	3,244.07	2/4/2015
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Serial Numbers: TCT Declaration
 Registry Listing URL: N/A

2014
 Serial Numbers: TCT Declaration
 Registry Listing URL:

Farm Power Rexville

SiteLocation: Mt. Vernon State: WA Project Type: Dairy Duration: 10
 Standard Climate Action Reserve Registry Climate Action Reserve Protocol: Climate Action Reserve Livestock Protocol 2.0

Smart Energy total metric tons retired during reporting year: **2,478**
 Greenhouse Gas: Methane

Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tons	Short Tons	Retirement Effective Date
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2013	9/1/2013	12/31/2013	First Environment, Inc.	2/27/2015	5/1/2015	2,478	2,731.50	6/16/2015
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Serial Numbers: CAR-1-US-416-5-212-WA-2013-1776-576 to 3053
 Registry Listing URL: <https://thereserve2.apx.com/myModule/rpt/myrpt.asp?r=206>

Farm Power Tillamook

Site Location: Tillamook State: OR Project Type: Dairy Est Volume 88,400 Duration: 10 Smart Energy total metric tons retired during reporting year: **15,800**

Standard Climate Action Reserve Registry Climate Action Reserve Protocol: U.S. Livestock Project Protocol, Version 3.0 Crediting Period: Initial Greenhouse Gas: Methane

Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tons	Short Tons	Retirement Effective Date
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2012	4/8/2012	12/31/2012	First Environment, Inc.	6/6/2014	4/13/2015	3,880	4,276.92	7/23/2015
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Serial Numbers: CAR-1-US-988-5-2.12-OR-2012-1813-1 to 3880
 Registry Listing URL: <https://thereserve2.apx.com/myModule/rpt/myrpt.asp?i=206>

2013	1/1/2013	12/31/2013	First Environment, Inc.	6/6/2014	4/13/2015	3,420	3,769.87	7/23/2015
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Serial Numbers: CAR-1-US-988-5-2.12-OR-2013-1812-1 to 3420
 Registry Listing URL: <https://thereserve2.apx.com/myModule/rpt/myrpt.asp?i=206>

2014	1/1/2014	12/31/2014	First Environment, Inc.	6/6/2014	4/13/2015	8,500	9,369.55	7/23/2015
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Serial Numbers: CAR-1-US-988-5-2.12-OR-2014-1811-1 to 8500
 Registry Listing URL: <https://thereserve2.apx.com/myModule/rpt/myrpt.asp?i=206>

Total Metric Tons Retired during reporting period: 70,037