



e-FILING REPORT COVER SHEET

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REPORT NAME: NW Natural's 2019 Smart Energy™ Reconciliation Report

COMPANY NAME: NW Natural

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

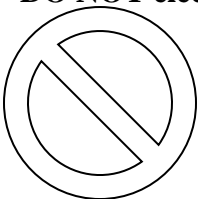
Is this report associated with a specific docket/case? No Yes

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, 2019

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Please file the above reports according to their individual instructions.



250 SW Taylor Street
Portland, OR 97204

503-226-4211
nwnatural.com

March 24, 2020

VIA ELECTRONIC FILING

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 2019 Smart Energy™ Reconciliation Report

Northwest Natural Gas Company, dba NW Natural (Company), files herewith its 2019 Smart Energy™ Reconciliation Report for the program year January 1, 2019 through December 31, 2019, as requested by the Portfolio Options Committee, which oversees and advises the Company's offset program.

Please address any correspondence on this matter to me with copies to the following:

eFiling
Rates & Regulatory Affairs
NW Natural
250 SW Taylor Street
Portland, Oregon 97204
Telephone: (503) 610-7330
eFiling@nwnatural.com

Sincerely,

/s/ Rebecca T. Brown

Rebecca T. Brown
Regulatory Consultant
503-610-7326

Enclosure:

RG 2-NWNs-2019-Smart-Energy-ReconRpt-03.24.2020

Smart Energy Product Reporting

Demand Reconciliation

For the period of January 1, 2019 – December 31, 2019

Table 1: Participating Customer Billings & Resulting Greenhouse Gas Offsets

Calendar Year	Smart Energy Funds Billed	Therms to be offset	Obligation short tons
2019	\$3,163,7140.33 ¹	30,170,802.31	176,499.19

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, 2019 – December 31, 2019

Table 2: Offset Obligations & Retirements

Calendar	Offset Activity	Short Tons
Year	Obligations	282,547.05
2019	Retirements	159,424.55

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	63,021	69,468.04	53,021	58,445.05	(10,000)	(11,022.99)
City of Astoria - Bear Creek	100,000	110,230.00	0	0.00	(100,000)	(110,230.00)
Castelanelli Brothers Dairy - Castelanelli	15,000	16,534.50	0	0.00	(15,000)	(16,534.50)
Element Markets - Davis LFG	130,000	143,299.00	65,000	71,649.50	(65,000)	(71,649.50)
Revolution Energy Solutions - Lochmead Farms	17,199	18,958.46	17,199	18,958.46	0	0.00
Farm Power - Lynden	20,000	22,046.00	20,000	22,046.00	0	0.00
Farm Power - Misty Meadow	119,134	131,321.41	79,134	87,229.41	(40,000)	(44,092.00)
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	108,810	119,941.26	33,810	37,268.76	(75,000)	(82,672.50)
Revolution Energy Solutions - Oak Lea	23,250	25,628.46	11,507	12,684.17	(11,743)	(12,944.29)
Farm Power - Rexville	57,364	63,232.31	57,364	63,232.34	0	0.03
Farm Power - Tillamook	91,173	100,500.00	54,719	60,316.75	(36,454)	(40,183.25)
TMF Biofuels - TMF Biofuels	15,000	16,534.50	15,000	16,534.50	0	0.00
Mass Energy Works - Van Warmerdam	39,174	43,181.50	23,610	26,025.30	(15,564)	(17,156.20)
Intrepid Technology Resources - Whitesides Dairy	17,067	18,812.95	17,067	18,812.95	0	0.00
Total:	942,668	1,039,102.89	575,751	634,650.33	(366,917)	(404,452.56)

Smart Energy Offset Projects

Retirement Detail (1/1/2019 - 12/31/2019)

Bettencourt Dairy - B6		Site Location: Gooding		Project Type: Dairy							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Estimated Total Project Volume</td> </tr> <tr> <td style="width: 50%; text-align: center;">Metric Tonnes</td> <td style="width: 50%; text-align: center;">Short Tons</td> </tr> <tr> <td style="text-align: center;">164,081</td> <td style="text-align: center;">180,866.49</td> </tr> </table>		Estimated Total Project Volume		Metric Tonnes	Short Tons	164,081	180,866.49	Standard: Climate Action Reserve	Registry: Climate Action Reserve	Duration: 10 years	
Estimated Total Project Volume											
Metric Tonnes	Short Tons										
164,081	180,866.49										
		Protocol: 4.0	Crediting Period: Initial	Greenhouse Gas: Methane							

Project Authorizations	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Buyer: Smart Energy	63,021	69,468.04	53,021	58,445.05	(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
2017	1/1/2017	12/31/2017	First Environment, Inc.	4/5/2018	5/30/2018	11,813	13,021.47	9/25/2019
Serial Number: CAR-1-US-593-5-207-ID-2017-5484-43810 to 55622 Registry Listing URL: https://thereserve2.apx.com/								

Element Markets - Davis LFG		Site Location: Layton		Project Type: LFG	
Estimated Total Project Volume		Standard: Climate Action Reserve	Registry: Climate Action Reserve	Duration: 10 years	
Metric Tonnes	Short Tons	Protocol: 5.0	Crediting Period: Second	Greenhouse Gas: Methane	
400,000	440,920.00				

Project Authorizations	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Buyer: Smart Energy	130,000	143,299.00	65,000	71,649.50	(65,000)	(71,649.50)

Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2018	1/1/2018	12/31/2018	GHD Services, Inc.	8/6/2019	12/4/2019	65,000	71,649.50	12/24/2019
Serial Number: CAR-1-US-473-4-288-UT-2018-5893-1 to 65000								
Registry Listing URL: http://www.climateactionreserve.org								

Farm Power - Misty Meadow		Site Location: Tillamook		Project Type: Dairy	
Estimated Total Project Volume		Standard: Climate Action Reserve	Registry: Climate Action Reserve	Duration: 10 years	
Metric Tonnes	Short Tons	Protocol: U.S. Livestock Project Protocol, Version 3.0	Crediting Period: Initial	Greenhouse Gas: Methane	
93,100	102,624.13				

Project Authorizations	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Buyer: Smart Energy	119,134	131,321.41	79,134	87,229.41	(40,000)	(44,092.00)

Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2018	1/1/2018	12/31/2018	First Environment, Inc.	2/19/2019	5/30/2019	19,568	21,569.81	7/19/2019
Serial Number: CAR-1-US-996-5-212-OR-2018-5798-1 to 19568								
Registry Listing URL: https://protect2.fireeye.com/url?k=c080d1f2-9c277ff5-c081f075-ac1f6b1e94f6-3a91b22ce914b92a&q=1&u=https%3A%2F%2Fthereserve2.apx.com%2Fmymodule%2Fmypage.asp								

J.R. Simplot - Moses Lake 2		Site Location: Moses Lake			Project Type: OWD	
Estimated Total Project Volume		Standard: Verified Carbon Standard	Registry: Markit	Duration: 7 years		
Metric Tonnes	Short Tons	Protocol:	Crediting Period: Second	Greenhouse Gas: Methane		
196,000	216,050.80					

Project Authorizations	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Buyer: Smart Energy	108,810	119,941.26	33,810	37,268.76	(75,000)	(82,672.50)

Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2018	1/1/2018	7/31/2018	Ruby Canyon Engineering	8/23/2018	10/28/2019	15,000	16,534.50	12/24/2019
Serial Number: 7575-408068532-408083531-VCU-043-MER-US-13-448.01012018-31072018-0								
Registry Listing URL: http://www.climateactionreserve.org								

Farm Power - Rexville		Site Location: Mt. Vernon			Project Type: Dairy	
Estimated Total Project Volume		Standard: Climate Action Reserve	Registry: Climate Action Reserve	Duration: 10 years		
Metric Tonnes	Short Tons	Protocol: Climate Action Reserve Livestock Protocol 2.0	Crediting Period: Initial	Greenhouse Gas: Methane		
116,524	128,444.41					

Project Authorizations	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Buyer: Smart Energy	57,364	63,232.31	57,364	63,232.34	0	0.03

Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2017	9/1/2017	12/31/2017	Ruby Canyon Engineering	10/24/2018	4/19/2019	3,052	3,364.22	5/8/2019
Serial Number: CAR-1-US-416-5-212-WA-2017-5709-1 to 3052 Registry Listing URL: https://thereserve2.apx.com/mymodule/mypage.asp								
2018	1/1/2018	8/31/2018	Ruby Canyon Engineering	10/24/2018	4/19/2019	752	828.93	5/8/2019
Serial Number: CAR-1-US-416-5-212-WA-2018-5749-1 to 752 Registry Listing URL: https://thereserve2.apx.com/mymodule/mypage.asp								
2018	1/1/2018	8/31/2018	Ruby Canyon Engineering	10/24/2018	4/19/2019	12,851	14,165.66	5/8/2019
Serial Number: CAR-1-US-416-5-212-WA-2018-5708-1 to 12851 Registry Listing URL: https://thereserve2.apx.com/mymodule/mypage.asp								

Farm Power - Tillamook		Site Location: Tillamook		Project Type: Dairy	
Estimated Total Project Volume		Standard: Climate Action Reserve	Registry: Climate Action Reserve	Duration: 10 years	
Metric Tonnes	Short Tons	Protocol: U.S. Livestock Project Protocol, Version 3.0	Crediting Period: Initial	Greenhouse Gas: Methane	
88,400	97,443.32				

Project Authorizations	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Buyer: Smart Energy	91,173	100,500.00	54,719	60,316.75	(36,454)	(40,183.25)

Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2018	1/1/2018	12/31/2018	First Environment, Inc.	2/19/2019	5/10/2019	11,369	12,532.05	7/18/2019
Serial Number: CAR-1-US-988-5-212-OR-2018-5768-1 to 11369								
Registry Listing URL: https://protect2.fireeye.com/url?k=93e729c9-cf4087ce-93e6084e-ac1f6b1e94f6-09eedfaad9940af&q=1&u=https%3A%2F%2Fthereserve2.apx.com%2Fmymodule%2Fmypage.asp								

Mass Energy Works - Van Warmerdam		Site Location: Galt		Project Type: Dairy	
Estimated Total Project Volume		Standard: Climate Action Reserve	Registry: Climate Action Reserve	Duration: 10 years	
Metric Tonnes	Short Tons	Protocol: U.S. Livestock Project Protocol, Version 4.0	Crediting Period: Initial	Greenhouse Gas: Methane	
60,227	66,388.22				

Project Authorizations	Authorized		Retired		Balance	
	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons	Metric Tonnes	Short Tons
Buyer: Smart Energy	39,174	43,181.50	23,610	26,025.30	(15,564)	(17,156.20)

Project Retirements								
Vintage	Reporting Start Date	Reporting End Date	Verifier	Verification Start Date	Verification End Date	Metric Tonnes	Short Tons	Retirement Effective Date
2018	5/1/2018	12/31/2018	First Environment, Inc.	5/14/2019	11/6/2019	2,788	3,073.21	12/4/2019
Serial Number: CAR-1-US-998-5-212-CA-2018-5885-1 to 2788 Registry Listing URL: http://www.climateactionreserve.org								
2019	1/1/2019	4/30/2019	First Environment, Inc.	5/14/2019	11/6/2019	2,436	2,685.20	12/4/2019
Serial Number: CAR-1-US-998-5-212-CA-2019-5884-1 to 2436 Registry Listing URL: http://www.climateactionreserve.org								