



Energy and Telecommunications Interim Committee

63rd Montana Legislature

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March 7, 2014

TO: Energy and Telecommunications Interim Committee (ETIC) members

FR: ETIC staff

RE: RPS Survey results

In September 2013, the ETIC approved two surveys to be sent to energy producers and suppliers as part of its study of the Montana Renewable Portfolio Standard (RPS). One survey was provided to renewable energy generators certified as resources that can be used to meet Montana's RPS. The second survey was provided to utilities and electricity suppliers required to meet Montana's RPS. The surveys were sent electronically in late September, and most were returned by early January. The committee will review and discuss the survey results the March 21 meeting.

As directed by Senate Joint Resolution No. 6, the study and associated survey focus on the economic impacts of the RPS, the environmental benefits of the standard, and the impacts the standard has had on Montana consumers.

The first survey was sent to 13 renewable generators. Those generators have all been certified as eligible renewable resource and/or community renewable energy projects by the Montana Public Service Commission. With the exception of three generators located out-of-state, all of the renewable generators provided a response to the ETIC. However, while some entities answered all of the questions posed by the committee, most chose to only answer certain questions.

The second survey was sent to eight utilities or competitive electricity suppliers that have in the past, or are currently, subject to the requirements of Montana's RPS. Only one competitive electricity supplier did not respond to the survey. The other seven entities responded, at least in part, to the survey.

The surveys offer a wealth of information from the perspective of both renewable developers and utilities and suppliers required to meet the standard. The results of the comprehensive survey are attached for your review. With the help of the legislative communications office, staff also has developed an interactive map, so legislators and the public can view the survey results. To view the map, visit the committee's Website at www.leg.mt.gov/etic. You can click on a location and view those survey results. For example, by clicking on Butte, the survey response provided by NorthWestern Energy is available.

CI0124 4058slea.

Renewable Energy in Montana - Survey for Utilities and Suppliers

#7



COMPLETE

Collector: Follow Up 2 (Email)

Started: Thursday, December 05, 2013 9:38:34 AM

Last Modified: Tuesday, January 28, 2014 2:06:02 PM

Time Spent: Over a month

Email: john.bushnell@northwestern.com

Custom Data: NorthWestern Energy

IP Address: 199.96.16.11

PAGE 1

Q1: What is the name of the utility or electricity supplier you represent? NorthWestern Energy

Q2: What years were or are you subject to Montana's RPS (69-3-2004, MCA)? All years

Q3: Have you been able to meet the overall percentage requirements? Yes

Q4: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver? Respondent skipped this question

Q5: If you have not met the standard or received a waiver, have you paid an administrative penalty? Respondent skipped this question

Q6: What eligible renewable resources have you used to meet the overall percentage standards?

Judtith Gap - 135 MW w ind
 Spion Kop - 40 MW w ind
 Gordon Butte - 9.6 MW w ind
 Turnbull - 13 MW hydro
 Flint Creek - 2 MW hydro
 Low er South Fork - 0.5 MW hydro

Q7: Are you subject to the CREP requirement? Yes

Q8: Have you met the CREP requirement? No,
 If not, have you received a w aiver for any compliance year?
 Yes

Q9: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver? NWE estimates conservatively that it has expended \$25,000 to date on w aiver filings.

Q10: If you have not met the requirement or received a waiver, have you paid an administrative penalty? No

Q11: What eligible renewable resources have you used to meet the CREP requirement?

Gordon Butte - 9.6 MW w ind
 Turnbull - 13 MW hydro
 Flint Creek - 2 MW hydro
 Low er South Fork - 0.5 MW hydro

Q12: Who owns the eligible renewable resource(s) you have used to meet the CREP requirement?

Gordon Butte - Gordon Butte Wind, LLC
 Turnbull - Turnbull Hydro, LLC
 Flint Creek - Flint Creek Hydroelectric, LLC
 Low er South Fork - Low er South Fork, LLC

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q13: Has the standard contributed to the diversification of your portfolio in Montana?

No,

Please explain how it has or has not.
NWE had already been focused on renewable resources prior to RPS. A minimal amount of NWE's resource portfolio can be attributed to the standards.

Q14: Has the standard led to you reducing your dependence on fossil fuels?

No,

Please explain how it has or has not.
No. Given NWE's dependence on market purchases, this cannot be precisely determined. However, NWE believes any change in fossil fuel use to be minimal.

Q15: Has the standard assisted you in hedging against the volatility of fossil fuel markets?

No,

Please provide some details on how it has or has not.
No. On one hand, resources acquired to meet the RPS standards provide a partial hedge against volatility of fossil fuel markets by reducing market purchases, which include a thermal (gas/coal) component. On the other hand, the inclusion of RPS resources caused NWE to invest in additional gas-fired resources to integrate/regulate those resources. These offsetting effects cannot be precisely determined.

Q16: Has the standard contributed to higher, lower, or neutral costs for your customers?

Neutral,

Please explain your answer
Neutral: Customer cost impact cannot be precisely calculated (refer to NWE's responses to 14 and 15). However, NWE's highest cost RPS resources are currently much more costly, on a \$/MWh basis, than the market purchases that they displace.

Q17: How much has the standard changed, if at all, your average residential customer's monthly utility bill? (indicate increase or decrease)

Respondent skipped this question

Q18: How is the standard beneficial to your customers?

NorthWestern was focused on renewable resources prior to RPS (refer to NWE's response to 13, 15 and 16). Therefore, any benefit from RPS is minimal.

Q19: How is the standard a drawback for your customers?

NorthWestern was focused on renewable resources prior to RPS (refer to NWE's response to 13, 15, and 16). Therefore, the drawback from RPS is minimal.

Q20: What additional resources have been needed to integrate renewable resources?

Dave Gates Generation Station (DGGGS) and wind forecasting services.

Q21: Would these renewable and integration resources have been added to your portfolio if there was not a standard in Montana?

Yes

Q22: Would you have constructed or acquired these resources at a different size if there was no standard?

Yes

Q23: Please explain your response to 21 and 22 above.

A majority of the RPS resources in NWE's energy supply portfolio would have been acquired absent the RPS standards, see NWE's answer to question 13.

Q24: How much of the cost of integration resources used in conjunction with the renewable resources used to meet the standard is attributable to the standard?

Roughly 50% of the cost of DGGGS.

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q25: In the 2012 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)? Gordon Butte(\$69.53/MWh), Lower South Fork(\$66.25/MWh), Judith Gap Energy(\$34.27/MWh), Turnbull Hydro(\$65.96/MWh); Average Cost - \$59.00

Q26: What was the comparable price in 2012 of your supply (not transmission service) resources, including:

Spot/hourly market resources?	\$40.47
Coal resources?	\$66.83
Natural gas resources?	Basin Creek Plant is a capacity and tolling agreement
Hydropower resources?	\$52.78
Qualifying facility resources?	\$75.52
Please identify the resources you are using as the basis of the answers above.	Market - Multiple sources; Coal - Costrip Unit 4; Hydro - Tiber Dam & Turnbull Hydro; QF - multiple sources

Q27: In the 2010 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)? Judith Gap - \$39.71

Q28: What was the comparable price in 2010 of your supply (not transmission service) resources, including:

Spot/hourly market resources?	\$44.42
Coal resources?	\$44.73
Natural gas resources?	Basin Creek Plant is a capacity and tolling agreement
Hydropower resources?	\$41.42
Qualifying facility resources?	\$68.64
Please identify the resources you are using as the basis of the answers above.	Market - Multiple sources; Coal - Colstrip 4; Hydro - Tiber Dam; QF - Multiple source

Q29: In the 2008 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)? Judith Gap - \$37.33/MWh

Q30: What was the comparable price in 2008 of your supply (not transmission service) resources, including:

Spot/hourly market resources?	\$54.54
Coal resources?	\$38.26
Natural gas resources?	Basin Creek Plant is a capacity and tolling agreement
Hydropower resources?	\$41.92
Qualifying facility resources?	\$67.30
Please identify the resources you are using as the basis of the answers above.	Market - Multiple sources; Coal - Unit contingent purchase; Hydro - Tiber Dam; QF - Multiple sources

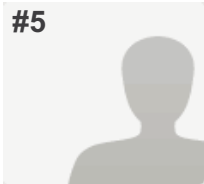
Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

NWE is developing a portfolio of owned resources sufficient to meet its customers' loads reliably and economically. An increase in the RPS requirement could potentially affect NWE's planned load and resource balance. Additionally, an increase in the RPS standard could create integration/regulation needs in excess of NWE's current ability to provide those services.

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later). Yes

Renewable Energy in Montana - Survey for Utilities and Suppliers

#5



COMPLETE

Collector: Initial e-mail (Email)
Started: Thursday, September 26, 2013 1:07:16 PM
Last Modified: Friday, December 06, 2013 5:56:49 AM
Time Spent: Over a month
Email: darcy.neigum@mdu.com
Custom Value: MDU

IP Address: 162.57.10.186

PAGE 1

Q1: What is the name of the utility or electricity supplier you represent? Montana-Dakota Utilities

Q2: What years were or are you subject to Montana's RPS (69-3-2004, MCA)? 2008 - current

Q3: Have you been able to meet the overall percentage requirements? Yes

Q4: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver? Respondent skipped this question

Q5: If you have not met the standard or received a waiver, have you paid an administrative penalty? Respondent skipped this question

Q6: What eligible renewable resources have you used to meet the overall percentage standards?

Diamond Willow I
 Diamond Willow II
 Cedar Hills

Q7: Are you subject to the CREP requirement? Yes

Q8: Have you met the CREP requirement? Yes

Q9: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver? Respondent skipped this question

Q10: If you have not met the requirement or received a waiver, have you paid an administrative penalty? No

Q11: What eligible renewable resources have you used to meet the CREP requirement?

Diamond Willow I
 Diamond Willow II
 Cedar Hills

Q12: Who owns the eligible renewable resource(s) you have used to meet the CREP requirement?

Montana-Dakota Utilities Co.

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q13: Has the standard contributed to the diversification of your portfolio in Montana?

No,

Please explain how it has or has not.
Montana-Dakota Utilities Co.'s addition of 57 MW of renewable generation resources to its portfolio was not made solely in response to the Montana Renewable Portfolio Standard but in conjunction with the Company's Integrated Resources Plan which included the costs and consideration of other forms of generation. The standard probably accelerated the acquisition of renewable generation resources.

Q14: Has the standard led to you reducing your dependence on fossil fuels?

Yes,

Please explain how it has or has not.
To a minor degree. It did not reduce the need for Montana-Dakota's thermal generation. However, the energy produced by the renewable resources reduced the need to purchase energy from MISO, in which thermal resources still dominate.

Q15: Has the standard assisted you in hedging against the volatility of fossil fuel markets?

No,

Please provide some details on how it has or has not.
Montana-Dakota's renewable resources do not avoid the need for thermal resources

Q16: Has the standard contributed to higher, lower, or neutral costs for your customers?

Neutral,

Please explain your answer
The renewable resources acquired by the Company were cost competitive with other forms of electric generation available at the time of their investment.

Q17: How much has the standard changed, if at all, your average residential customer's monthly utility bill? (indicate increase or decrease)

Respondent skipped this question

Q18: How is the standard beneficial to your customers?

The standard did not directly benefit customers however, the introduction of renewables into Montana-Dakota's generation portfolio has reduced the cost of fuel and purchased power for its customers. This has also reduced the amount of market purchases from others and/or reduced the amount of generation from other higher cost resources that the Company has available to it. The introduction of renewables into Montana-Dakota's generation portfolio has also diversified the types of resources that the Company utilizes to meet its customers requirements.

Q19: How is the standard a drawback for your customers?

The existing renewable standard did not have a negative impact upon Montana-Dakota's customers. The renewable resources acquired by the Company were cost competitive with other forms of electric generation available at the time of their investment and are operated as integrated system resources.

Q20: What additional resources have been needed to integrate renewable resources?

None. Montana-Dakota is a member of the Midcontinent Independent System Operator (MISO) System and no additional resources are needed to firm renewables within MISO.

Q21: Would these renewable and integration resources have been added to your portfolio if there was not a standard in Montana?

Yes

Q22: Would you have constructed or acquired these resources at a different size if there was no standard?

No

Q23: Please explain your response to 21 and 22 above.

As noted in Response No. 20 Montana-Dakota did not need additional resources to integrate the renewable resources. Also refer to Response No. 13.

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q24: How much of the cost of integration resources used in conjunction with the renewable resources used to meet the standard is attributable to the standard?

None. See response to 20.

Q25: In the 2012 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)?

Respondent skipped this question

Q26: What was the comparable price in 2012 of your supply (not transmission service) resources, including:

Please identify the resources you are using as the basis of the answers above.

MISO Average Energy Purchase Price; MISO Energy Market offer prices for MDU's coal and natural gas resources

Qualifying facility resources?

N/A

Hydropower resources?

N/A

Natural gas resources?

\$27 to \$37 per MWh

Coal resources?

\$14 to \$22 per MWh

Spot/hourly market resources?

\$23 per MWh

Q27: In the 2010 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)?

Respondent skipped this question

Q28: What was the comparable price in 2010 of your supply (not transmission service) resources, including:

Please identify the resources you are using as the basis of the answers above.

MISO Average Energy Purchase Price; MISO Energy Market offer prices for MDU's coal and natural gas resources

Qualifying facility resources?

N/A

Hydropower resources?

N/A

Natural gas resources?

\$41 to \$43 per MWh

Coal resources?

\$13 to \$19 per MWh

Spot/hourly market resources?

\$28 per MWh

Q29: In the 2008 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)?

Respondent skipped this question

Q30: What was the comparable price in 2008 of your supply (not transmission service) resources, including:

Please identify the resources you are using as the basis of the answers above.

MISO Average Energy Purchase Price; MISO Energy Market offer prices for MDU's coal and natural gas resources

Qualifying facility resources?

N/A

Hydropower resources?

N/A

Natural gas resources?

\$53 to \$60 per MWh

Coal resources?

\$11 to \$20 per MWh

Spot/hourly market resources?

\$56 per MWh

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

The Montana Renewable Portfolio Standard should not be changed. All investments in renewables should be justified on an equal basis with other available resources, without regard to a mandate.

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later).

Yes

Renewable Energy in Montana - Survey for Utilities and Suppliers

#6



COMPLETE

Collector: Initial e-mail (Email)
Started: Friday, December 06, 2013 12:32:37 PM
Last Modified: Friday, December 06, 2013 2:39:53 PM
Time Spent: 02:07:16
Email: michael.theis@blackhillscorp.com
Custom Value: Black Hills

IP Address: 74.116.253.5

PAGE 1

Q1: What is the name of the utility or electricity supplier you represent?	Black Hills
Q2: What years were or are you subject to Montana's RPS (69-3-2004, MCA)?	2008-current
Q3: Have you been able to meet the overall percentage requirements?	Yes
Q4: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver?	<i>Respondent skipped this question</i>
Q5: If you have not met the standard or received a waiver, have you paid an administrative penalty?	<i>Respondent skipped this question</i>
Q6: What eligible renewable resources have you used to meet the overall percentage standards?	Wind generation located in Cheyenne, WY
Q7: Are you subject to the CREP requirement?	Yes
Q8: Have you met the CREP requirement?	No, If not, have you received a waiver for any compliance year? yes
Q9: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver?	approximately \$40,000
Q10: If you have not met the requirement or received a waiver, have you paid an administrative penalty?	If so, in what amount? N/A
Q11: What eligible renewable resources have you used to meet the CREP requirement?	N/A
Q12: Who owns the eligible renewable resource(s) you have used to meet the CREP requirement?	N/A
Q13: Has the standard contributed to the diversification of your portfolio in Montana?	No, Please explain how it has or has not. BHP could not find an economically viable solution to meet the CREP requirement, therefore we were granted a waiver to avoid creating an undue financial burden on our customers. As a result, we have not added to our renewable portfolio in Montana.

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q14: Has the standard led to you reducing your dependence on fossil fuels? No,
Please explain how it has or has not.
The majority of our Montana load is constant industrial load. We must maintain generation to meet the demand regardless of the availability of our wind energy.

Q15: Has the standard assisted you in hedging against the volatility of fossil fuel markets? No,
Please provide some details on how it has or has not.
Since we own and operate our own generation, we have limited exposure to any volatility in the fossil fuel markets.

Q16: Has the standard contributed to higher, lower, or neutral costs for your customers? Neutral,
Please explain your answer
Had we complied with the CREP requirements, it would have resulted in higher costs to our customers. Given the small number of customers we have in Montana, we have not adjusted rates for many years, or for any moderate increases associated with renewable energy we have provided.

Q17: How much has the standard changed, if at all, your average residential customer's monthly utility bill? (indicate increase or decrease)

Projected in 2013 through 2015?	0 See explanation in question 16
In 2012?	0
In 2011?	0
In 2010?	0
In 2009?	0
In 2008?	0

Q18: How is the standard beneficial to your customers?

We do not believe the standard is beneficial to our Montana customers, given the economics associated with our small number of customers.

Q19: How is the standard a drawback for your customers?

Due to the small number of customers in the rural area of the state, the CREP requirement is not economically feasible compared to our current generation resources.

Q20: What additional resources have been needed to integrate renewable resources?

BHP has utilized additional regulation services as a result of integrating the renewable resources.

Q21: Would these renewable and integration resources have been added to your portfolio if there was not a standard in Montana? No

Q22: Would you have constructed or acquired these resources at a different size if there was no standard? No

Q23: Please explain your response to 21 and 22 above.

The renewable resources are our most expensive resource in our mix of generation resources to serve Montana customers, so it is unlikely these resources would have been utilized without the standard.

The bulk of wind generation produced in Cheyenne is utilized by other business units, so it is unlikely the small amount utilized in Montana would have any impact to the overall size or type of the project.

Q24: How much of the cost of integration resources used in conjunction with the renewable resources used to meet the standard is attributable to the standard? 100%

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q25: In the 2012 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)? \$ 0.0476 per kWh

Q26: What was the comparable price in 2012 of your supply (not transmission service) resources, including:

Please identify the resources you are using as the basis of the answers above. company owned generation

Qualifying facility resources?	\$0.0476 per kWh
Hydropower resources?	N/A
Natural gas resources?	N/A
Coal resources?	\$0.0382 per kWh
Spot/hourly market resources?	\$0.0217 per kWh (purchased power)

Q27: In the 2010 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)? Information not readily available at this time

Q28: What was the comparable price in 2010 of your supply (not transmission service) resources, including:

Spot/hourly market resources? Information not readily available at this time

Q29: In the 2008 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)? Information not readily available at this time

Q30: What was the comparable price in 2008 of your supply (not transmission service) resources, including:

Spot/hourly market resources? Information not readily available at this time

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

The information for questions 27-30 are not readily available at this time, but if needed we can provide this information. Please let us know if you would like us to follow-up with this.

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later). Yes

Renewable Energy in Montana - Survey for Utilities and Suppliers

#7



COMPLETE

Collector: Initial e-mail (Email)
Started: Tuesday, December 10, 2013 1:05:25 PM
Last Modified: Tuesday, December 10, 2013 4:21:53 PM
Time Spent: 03:16:27
Email: linda.gervais@avistacorp.com
Custom Value: Avista

IP Address: 198.251.0.1

PAGE 1

Q1: What is the name of the utility or electricity supplier you represent?	Avista
Q2: What years were or are you subject to Montana's RPS (69-3-2004, MCA)?	2008-2012
Q3: Have you been able to meet the overall percentage requirements?	No, If not, have you received a waiver for any compliance year? See 31
Q4: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver?	See 31
Q5: If you have not met the standard or received a waiver, have you paid an administrative penalty?	Yes, If so, in what amount? 528.60 - 2012
Q6: What eligible renewable resources have you used to meet the overall percentage standards?	N/A
Q7: Are you subject to the CREP requirement?	No
Q8: Have you met the CREP requirement?	No, If not, have you received a waiver for any compliance year? See 31
Q9: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver?	See 31
Q10: If you have not met the requirement or received a waiver, have you paid an administrative penalty?	No
Q11: What eligible renewable resources have you used to meet the CREP requirement?	See Response to 31
Q12: Who owns the eligible renewable resource(s) you have used to meet the CREP requirement?	See Response to 31
Q13: Has the standard contributed to the diversification of your portfolio in Montana?	No, Please explain how it has or has not. See Response to 31
Q14: Has the standard led to you reducing your dependence on fossil fuels?	No, Please explain how it has or has not. See Response to 31

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q15: Has the standard assisted you in hedging against the volatility of fossil fuel markets? No,
Please provide some details on how it has or has not.
See Response to 31

Q16: Has the standard contributed to higher, lower, or neutral costs for your customers? Please explain your answer N/A - See Response to 31

Q17: How much has the standard changed, if at all, your average residential customer's monthly utility bill? (indicate increase or decrease)

Projected in 2013 through 2015?	N/A
In 2012?	N/A
In 2011?	N/A
In 2010?	N/A
In 2009?	N/A
In 2008?	N/A

Q18: How is the standard beneficial to your customers?

N/A

Q19: How is the standard a drawback for your customers?

N/A

Q20: What additional resources have been needed to integrate renewable resources?

N/A

Q21: Would these renewable and integration resources have been added to your portfolio if there was not a standard in Montana? Yes

Q22: Would you have constructed or acquired these resources at a different size if there was no standard? Yes

Q23: Please explain your response to 21 and 22 above.

N/A

Q24: How much of the cost of integration resources used in conjunction with the renewable resources used to meet the standard is attributable to the standard? N/A

Q25: In the 2012 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)? N/A

Q26: What was the comparable price in 2012 of your supply (not transmission service) resources, including:

Please identify the resources you are using as the basis of the answers above. N/A

Qualifying facility resources? N/A

Hydropower resources? N/A

Natural gas resources? N/A

Coal resources? N/A

Spot/hourly market resources? N/A

Q27: In the 2010 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)? N/A

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q28: What was the comparable price in 2010 of your supply (not transmission service) resources, including:

Please identify the resources you are using as the basis of the answers above.	N/A
Qualifying facility resources?	N/A
Hydropow er resources?	N/A
Natural gas resources?	N/A
Coal resources?	N/A
Spot/hourly market resources?	N/A

Q29: In the 2008 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)?

N/A

Q30: What was the comparable price in 2008 of your supply (not transmission service) resources, including:

Please identify the resources you are using as the basis of the answers above.	N/A
Qualifying facility resources?	N/A
Hydropow er resources?	N/A
Natural gas resources?	N/A
Coal resources?	N/A
Spot/hourly market resources?	N/A

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

The Montana Legislature enacted SB164 w hich exempted any utility w ith 50 customers or less from the requirements of 69-3-2004. Avista falls under the exemption effective on passage and approval in 2013 (SB164, Chapter No. 73) and applies retroactively w ithin the meaning of 1-02-109 to the compliance year beginning January 1, 2013. The Company's retail load in the state of Montana is quite small, consisting of only 28 or few er retail customers.

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later).

Yes

Renewable Energy in Montana - Survey for Utilities and Suppliers

#3



COMPLETE

Collector: Follow Up 1 (Email)

Started: Wednesday, December 04, 2013 12:03:12 PM

Last Modified: Wednesday, December 04, 2013 12:07:47 PM

Time Spent: 00:04:35

Email: gdoyon@greatfallsmt.net

Custom Value: Electric City Power

IP Address: 63.228.223.162

PAGE 1

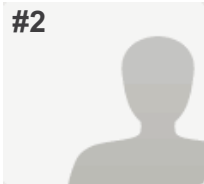
Q1: What is the name of the utility or electricity supplier you represent?	Electric City Power
Q2: What years were or are you subject to Montana's RPS (69-3-2004, MCA)?	2005
Q3: Have you been able to meet the overall percentage requirements?	No, If not, have you received a waiver for any compliance year? Yes
Q4: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver?	<i>Respondent skipped this question</i>
Q5: If you have not met the standard or received a waiver, have you paid an administrative penalty?	No
Q6: What eligible renewable resources have you used to meet the overall percentage standards?	Wind
Q7: Are you subject to the CREP requirement?	No
Q8: Have you met the CREP requirement?	<i>Respondent skipped this question</i>
Q9: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver?	<i>Respondent skipped this question</i>
Q10: If you have not met the requirement or received a waiver, have you paid an administrative penalty?	<i>Respondent skipped this question</i>
Q11: What eligible renewable resources have you used to meet the CREP requirement?	<i>Respondent skipped this question</i>
Q12: Who owns the eligible renewable resource(s) you have used to meet the CREP requirement?	<i>Respondent skipped this question</i>
Q13: Has the standard contributed to the diversification of your portfolio in Montana?	<i>Respondent skipped this question</i>
Q14: Has the standard led to you reducing your dependence on fossil fuels?	<i>Respondent skipped this question</i>
Q15: Has the standard assisted you in hedging against the volatility of fossil fuel markets?	<i>Respondent skipped this question</i>
Q16: Has the standard contributed to higher, lower, or neutral costs for your customers?	<i>Respondent skipped this question</i>

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q17: How much has the standard changed, if at all, your average residential customer's monthly utility bill? (indicate increase or decrease)	<i>Respondent skipped this question</i>
Q18: How is the standard beneficial to your customers?	<i>Respondent skipped this question</i>
Q19: How is the standard a drawback for your customers?	<i>Respondent skipped this question</i>
Q20: What additional resources have been needed to integrate renewable resources?	<i>Respondent skipped this question</i>
Q21: Would these renewable and integration resources have been added to your portfolio if there was not a standard in Montana?	No
Q22: Would you have constructed or acquired these resources at a different size if there was no standard?	No
Q23: Please explain your response to 21 and 22 above.	<i>Respondent skipped this question</i>
Q24: How much of the cost of integration resources used in conjunction with the renewable resources used to meet the standard is attributable to the standard?	<i>Respondent skipped this question</i>
Q25: In the 2012 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)?	<i>Respondent skipped this question</i>
Q26: What was the comparable price in 2012 of your supply (not transmission service) resources, including:	<i>Respondent skipped this question</i>
Q27: In the 2010 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)?	<i>Respondent skipped this question</i>
Q28: What was the comparable price in 2010 of your supply (not transmission service) resources, including:	<i>Respondent skipped this question</i>
Q29: In the 2008 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)?	<i>Respondent skipped this question</i>
Q30: What was the comparable price in 2008 of your supply (not transmission service) resources, including:	<i>Respondent skipped this question</i>
Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard	<i>Respondent skipped this question</i>
Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later).	Yes

Renewable Energy in Montana - Survey for Utilities and Suppliers

#2



COMPLETE

Collector: Initial e-mail (Email)

Started: Tuesday, November 12, 2013 8:27:40 AM

Last Modified: Monday, December 02, 2013 8:17:49 AM

Time Spent: Over a week

Email: rdgabbard@pplweb.com

Custom Value: PPL Energy Plus

IP Address: 167.155.144.19

PAGE 1

Q1: What is the name of the utility or electricity supplier you represent?	PPL Energy Plus
Q2: What years were or are you subject to Montana's RPS (69-3-2004, MCA)?	PPL EnergyPlus is NOT a Competitive Electricity Supplier
Q3: Have you been able to meet the overall percentage requirements?	If not, have you received a waiver for any compliance year? NA
Q4: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver?	NA
Q5: If you have not met the standard or received a waiver, have you paid an administrative penalty?	If so, in what amount? NA
Q6: What eligible renewable resources have you used to meet the overall percentage standards?	NA
Q7: Are you subject to the CREP requirement?	No
Q8: Have you met the CREP requirement?	If not, have you received a waiver for any compliance year? NA
Q9: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver?	NA
Q10: If you have not met the requirement or received a waiver, have you paid an administrative penalty?	If so, in what amount? NA
Q11: What eligible renewable resources have you used to meet the CREP requirement?	NA
Q12: Who owns the eligible renewable resource(s) you have used to meet the CREP requirement?	NA
Q13: Has the standard contributed to the diversification of your portfolio in Montana?	No, Please explain how it has or has not. NA
Q14: Has the standard led to you reducing your dependence on fossil fuels?	No, Please explain how it has or has not. NA

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q15: Has the standard assisted you in hedging against the volatility of fossil fuel markets?

No,

Please provide some details on how it has or has not. Market price volatility has increased, not decreased, with the addition of intermittent resources. There is also lower market liquidity due to the uncertainty of generation, particularly in the spring months. Prices can be negative during the off peak periods and in excess of \$100/MWh in the highest peak hours of the same day due to significant swings in intermittent generation.

Q16: Has the standard contributed to higher, lower, or neutral costs for your customers?

Neutral,

Please explain your answer
PPL EnergyPlus, LLC is not a Competitive Electricity Supplier

Q17: How much has the standard changed, if at all, your average residential customer's monthly utility bill? (indicate increase or decrease)

In 2008?	NA
In 2009?	NA
In 2010?	NA
In 2011?	NA
In 2012?	NA
Projected in 2013 through 2015?	NA

Q18: How is the standard beneficial to your customers?

PPL EnergyPlus, LLC is not a Competitive Electricity Supplier

Q19: How is the standard a drawback for your customers?

PPL EnergyPlus, LLC is not a Competitive Electricity Supplier

Q20: What additional resources have been needed to integrate renewable resources?

NWMT has added the Dave Gates Generating Station which has increased costs for both regulation and default supply.

Q21: Would these renewable and integration resources have been added to your portfolio if there was not a standard in Montana?

No

Q22: Would you have constructed or acquired these resources at a different size if there was no standard?

No

Q23: Please explain your response to 21 and 22 above.

NA

Q24: How much of the cost of integration resources used in conjunction with the renewable resources used to meet the standard is attributable to the standard?

NA

Q25: In the 2012 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)?

NA

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q26: What was the comparable price in 2012 of your supply (not transmission service) resources, including:

Please identify the resources you are using as the basis of the answers above. NA

Qualifying facility resources? NA

Hydropower resources? NA

Natural gas resources? NA

Coal resources? NA

Spot/hourly market resources? NA

Q27: In the 2010 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)? NA

Q28: What was the comparable price in 2010 of your supply (not transmission service) resources, including:

Please identify the resources you are using as the basis of the answers above. NA

Qualifying facility resources? NA

Hydropower resources? NA

Natural gas resources? NA

Coal resources? NA

Spot/hourly market resources? NA

Q29: In the 2008 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)? NA

Q30: What was the comparable price in 2008 of your supply (not transmission service) resources, including:

Please identify the resources you are using as the basis of the answers above. NA

Qualifying facility resources? NA

Hydropower resources? NA

Natural gas resources? NA

Coal resources? NA

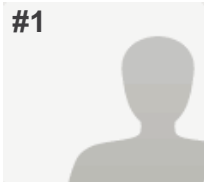
Spot/hourly market resources? NA

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard *Respondent skipped this question*

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later). Yes

Renewable Energy in Montana - Survey for Utilities and Suppliers

#1



COMPLETE

Collector: Initial e-mail 2 (Email)
Started: Tuesday, November 12, 2013 8:17:47 AM
Last Modified: Monday, December 02, 2013 8:17:05 AM
Time Spent: Over a week
Email: rdgabbard@pplweb.com
Custom Value: PPL Treasure State

IP Address: 167.155.144.19

PAGE 1

Q1: What is the name of the utility or electricity supplier you represent?	PPL Treasure State
Q2: What years were or are you subject to Montana's RPS (69-3-2004, MCA)?	Starting in 2008 with extension of RPS to Competitive Electricity Supplier
Q3: Have you been able to meet the overall percentage requirements?	Yes, If not, have you received a waiver for any compliance year? NA
Q4: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver?	NA
Q5: If you have not met the standard or received a waiver, have you paid an administrative penalty?	If so, in what amount? NA
Q6: What eligible renewable resources have you used to meet the overall percentage standards?	Judith Gap, Klondike 3 and Diamond Willow
Q7: Are you subject to the CREP requirement?	No
Q8: Have you met the CREP requirement?	If not, have you received a waiver for any compliance year? NA
Q9: If you received a waiver, what was the overall cost (includes administrative costs) of the waiver?	NA
Q10: If you have not met the requirement or received a waiver, have you paid an administrative penalty?	If so, in what amount? NA
Q11: What eligible renewable resources have you used to meet the CREP requirement?	NA
Q12: Who owns the eligible renewable resource(s) you have used to meet the CREP requirement?	NA

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q13: Has the standard contributed to the diversification of your portfolio in Montana?

No,

Please explain how it has or has not.
PPLTS has purchased RECs from Eligible Renewable Resources as defined in the Renewable Energy Standards to meet its obligation. PPL Montana, LLC made a significant investment to upgrade and expand the Rainbow Power House. However, this investment did not result in Rainbow being defined as an Eligible Renewable Resource due to vetoes in the 2009, 2011 and 2013 Legislative Sessions (HB 257 in 2009, HB 59 in 2011 and amendatory veto of SB 45 in 2013).

Q14: Has the standard led to you reducing your dependence on fossil fuels?

No,

Please explain how it has or has not.
The addition of intermittent resources to meet the Renewable Energy Standards has resulted in operating complexities and additional costs of regulation such as the construction of the Dave Gates Generating Station. In addition, the market impact of the intermittent resources has resulted in increased cycling of thermal units. This is expected to have a long term effect of higher maintenance costs and lower commercial availability.

Q15: Has the standard assisted you in hedging against the volatility of fossil fuel markets?

No,

Please provide some details on how it has or has not.
Market price volatility has increased, not decreased, with the addition of intermittent resources. There is also lower market liquidity due to the uncertainty of generation, particularly in the spring months. Prices can be negative during the off peak periods and in excess of \$100/MWh in the highest peak hours of the same day due to significant swings in intermittent generation.

Q16: Has the standard contributed to higher, lower, or neutral costs for your customers?

Higher,

Please explain your answer
The Renewable Standard has resulted in higher costs to customers due to both the cost of the RECs and the increased regulation cost from the transmission provider.

Q17: How much has the standard changed, if at all, your average residential customer's monthly utility bill? (indicate increase or decrease)

Projected in 2013 through 2015?

NA

In 2012?

NA

In 2011?

NA

In 2010?

NA

In 2009?

NA

In 2008?

NA

Q18: How is the standard beneficial to your customers?

No perceived benefits

Q19: How is the standard a drawback for your customers?

The standard is a drawback to the customers due to additional costs and an added compliance obligation. These added costs result in putting our customers at a competitive disadvantage in either global or national markets.

Q20: What additional resources have been needed to integrate renewable resources?

NWMT has added the Dave Gates Generating Station which has increased costs for both regulation and default supply.

Renewable Energy in Montana - Survey for Utilities and Suppliers

Q21: Would these renewable and integration resources have been added to your portfolio if there was not a standard in Montana?	No
Q22: Would you have constructed or acquired these resources at a different size if there was no standard?	No
Q23: Please explain your response to 21 and 22 above.	
21 and 22 are not applicable	
Q24: How much of the cost of integration resources used in conjunction with the renewable resources used to meet the standard is attributable to the standard?	NA
Q25: In the 2012 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)?	PPLTS acquires RECs at market prices which vary by year
Q26: What was the comparable price in 2012 of your supply (not transmission service) resources, including:	
Please identify the resources you are using as the basis of the answers above.	NA
Qualifying facility resources?	NA
Hydropower resources?	NA
Natural gas resources?	NA
Coal resources?	NA
Spot/hourly market resources?	NA
Q27: In the 2010 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)?	PPLTS acquires RECs at market prices which vary by year
Q28: What was the comparable price in 2010 of your supply (not transmission service) resources, including:	
Please identify the resources you are using as the basis of the answers above.	NA
Qualifying facility resources?	NA
Hydropower resources?	NA
Natural gas resources?	NA
Coal resources?	NA
Spot/hourly market resources?	NA
Q29: In the 2008 compliance year what was the average unit price, including integration costs, for each renewable resource used to meet the standard (dollars/MWh)?	PPLTS acquires RECs at market prices which vary by year
Q30: What was the comparable price in 2008 of your supply (not transmission service) resources, including:	
Please identify the resources you are using as the basis of the answers above.	NA
Qualifying facility resources?	NA
Hydropower resources?	NA
Natural gas resources?	NA
Coal resources?	NA
Spot/hourly market resources?	NA

Renewable Energy in Montana - Survey for Utilities and Suppliers

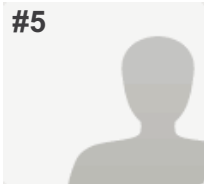
Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

PPL's understanding of the original intent of the Renewable Portfolio Standard was that industrial and large commercial Choice customers would be exempt from compliance with the standard. The RPS standard has impacted supply options for small Choice customers. A recent article in the Great Falls Tribune indicated that PPLTS was the only supplier to provide a final offer to the City of Great Falls. Morgan Stanley provided an indicative proposal but not a final proposal. The article did not state the reason for this but the RPS may have been a contributing factor.

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later). Yes

Renewable Energy in Montana - Survey for Generators

#5



COMPLETE

Collector: Initial e-mail (Email)

Started: Friday, September 27, 2013 1:31:42 PM

Last Modified: Friday, December 06, 2013 5:57:26 AM

Time Spent: Over a month

Email: darcy.neigum@mdu.com

Custom Value: Cedar Hills

IP Address: 162.57.10.186

PAGE 1

Q1: What is the name of the project?

Cedar Hills

Q2: When did ...

... construction of the project begin? 10/01/2009,

... the project begin operating? 05/20/2010

Q3: Did Montana's Renewable Portfolio Standard, enacted in 2005, contribute to your decision to build?

No,

Please provide details of why it did or did not.
Montana-Dakota Utilities Co.'s addition of 57 MW of renewable generation resources to its portfolio was not made solely in response to the Montana Renewable Portfolio Standard but in conjunction with the Company's Integrated Resources Plan which included the costs and consideration of other forms of generation. The standard probably accelerated the acquisition of our renewable generation resources.

Q4: What was the project investment (in \$ dollars)?

\$47.4 million

Q5: How many Montana contractors or subcontractors were hired during construction?

0

Q6: Please list the contractors and subcontractors

Wanzek Construction out of West Fargo, ND was the general contractor for the project.

Q7: How many people were employed in Montana during construction?

0 - Project construction was in North Dakota

Q8: What were the average earnings per job?

0

Q9: How many full-time permanent jobs has the project created in Montana and what are the average earnings per job?

0 - Project located in North Dakota

Q10: How many Montana or local vendors are utilized in support of the project?

0

Q11: In general, can you describe how those vendors are utilized?

N/A

Renewable Energy in Montana - Survey for Generators

Q12: How much in Montana property taxes (15-6-157, MCA) have been paid for the project in:

Year 6 of construction or operation?	0
Year 5 of construction or operation?	0
Year 4 of construction or operation?	0
Year 3 of construction or operation?	0
Year 2 of construction or operation?	0
Year 1 of construction or operation?	0

Q13: Is the project currently receiving a state (Montana) or federal tax abatement? No

Q14: What is the abatement? *Respondent skipped this question*

Q15: When will the tax abatement expire? *Respondent skipped this question*

Q16: What are the estimated property taxes following expiration of the abatement? N/A

Q17: How much in local property taxes (15-6-157, MCA) have been paid in Montana, and in what county, for the project in:

Year 6 of construction or operation?	0
Year 5 of construction or operation?	0
Year 4 of construction or operation?	0
Year 3 of construction or operation?	0
Year 2 of construction or operation?	0
Year 1 of construction or operation?	0

Q18: What was the amount of business equipment taxes (15-6-138, MCA) paid in Montana conjunction with the project in:

Year 1 of construction or operation?	0
Year 2 of construction or operation?	0
Year 3 of construction or operation?	0
Year 4 of construction or operation?	0
Year 5 of construction or operation?	0
Year 6 of construction or operation?	0

Q19: Is the project subject to Montana's wholesale energy transaction tax (15-72-104, MCA)? No

Q20: If yes, what was the amount paid in:

Year 6 of operation?	0
Year 5 of operation?	0
Year 4 of operation?	0
Year 3 of operation?	0
Year 2 of operation?	0
Year 1 of operation?	0

Q21: Is the project subject to Montana's electrical energy producers tax (15-51-101 MCA)? No

Renewable Energy in Montana - Survey for Generators

Q22: If yes, what was the amount paid in:

Year 1 of operation?	0
Year 2 of operation?	0
Year 3 of operation?	0
Year 4 of operation?	0
Year 5 of operation?	0
Year 6 of operation?	0

Q23: Has the project paid or will the project in the future pay facility impact fees for local governmental units and school districts in Montana (15-24-3004, MCA and 15-24-3005, MCA)? No

Q24: If so -

How much in year 3?	0
How much in year 2?	0
How much in year 1?	0
To what government entity?	0

Q25: In general terms how much is paid for land leases in Montana needed for the project?

\$0 - project located in North Dakota

Q26: How much is paid for Montana state land leases?

\$0 - project located in North Dakota

Q27: Are there additional taxes paid in Montana in conjunction with the project that you feel the committee should include in its analysis? No

Q28: Have community donations or additional financial contributions been made in the Montana community where the project is located? No

Q29: Please provide any additional thoughts on how the project has contributed to Montana or your local economy?

Respondent skipped this question

Q30: Has Montana's renewable energy standard assisted in leveraging Montana's competitive advantage in developing new electric transmission?

No,

Please elaborate on why or why not?
No new electrical transmission was built in conjunction with this project.

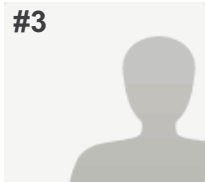
Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

The Montana Renewable Portfolio Standard should not be changed. All investments in renewables should be justified on an equal basis with other available resources, without regard to a mandate.

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later). Yes

Renewable Energy in Montana - Survey for Generators

#3



COMPLETE

Collector: Initial e-mail 2 (Email)
Started: Thursday, September 26, 2013 2:09:24 PM
Last Modified: Friday, December 06, 2013 5:57:03 AM
Time Spent: Over a month
Email: darcy.neigum@mdu.com
Custom Value: Diamond Willow I

IP Address: 162.57.10.186

PAGE 1

Q1: What is the name of the project?

Diamond Willow 1 and 2

Q2: When did ...

... construction of the project begin? 08/01/2007,

... the project begin operating? 12/29/2007

Q3: Did Montana's Renewable Portfolio Standard, enacted in 2005, contribute to your decision to build?

No,

Please provide details of why it did or did not.
 Montana-Dakota Utilities Co.'s addition of 57 MW of renewable generation resources to its portfolio was not made solely in response to the Montana Renewable Portfolio Standard but in conjunction with the Company's Integrated Resources Plan which included the costs and consideration of other forms of generation. The standard probably accelerated the acquisition of renewable generation resources.

Q4: What was the project investment (in \$ dollars)?

\$39.4 million for Diamond Willow 1

Q5: How many Montana contractors or subcontractors were hired during construction?

2

Q6: Please list the contractors and subcontractors

Wanzek Construction out of West Fargo, ND was the general contractor for the project.

Colstrip Electric was the electric sub-contractor for Wanzek Construction.

Fallon County Redi-Mix provided concrete for the project as a sub-contractor for Wanzek Construction.

Q7: How many people were employed in Montana during construction?

Approximately 50

Q8: What were the average earnings per job?

Unknown

Q9: How many full-time permanent jobs has the project created in Montana and what are the average earnings per job?

Combined 2 employees full-time employees for both Diamond Willow I and Diamond Willow II

Q10: How many Montana or local vendors are utilized in support of the project?

See below

Q11: In general, can you describe how those vendors are utilized?

Lodging
 Restaurant
 Groceries
 Small tools and equipment

Renewable Energy in Montana - Survey for Generators

Q12: How much in Montana property taxes (15-6-157, MCA) have been paid for the project in:

Year 6 of construction or operation?	0
Year 5 of construction or operation?	0
Year 4 of construction or operation?	0
Year 3 of construction or operation?	0
Year 2 of construction or operation?	0
Year 1 of construction or operation?	0

Q13: Is the project currently receiving a state (Montana) or federal tax abatement? No

Q14: What is the abatement? *Respondent skipped this question*

Q15: When will the tax abatement expire? *Respondent skipped this question*

Q16: What are the estimated property taxes following expiration of the abatement? *Respondent skipped this question*

Q17: How much in local property taxes (15-6-157, MCA) have been paid in Montana, and in what county, for the project in:

Year 1 of construction or operation?	73,159 to Fallon County
Year 2 of construction or operation?	79,653
Year 3 of construction or operation?	81,369
Year 4 of construction or operation?	80,607
Year 5 of construction or operation?	98,657
Year 6 of construction or operation?	105,552

Q18: What was the amount of business equipment taxes (15-6-138, MCA) paid in Montana conjunction with the project in:

Year 1 of construction or operation?	None
Year 2 of construction or operation?	"
Year 3 of construction or operation?	"
Year 4 of construction or operation?	"
Year 5 of construction or operation?	"
Year 6 of construction or operation?	"

Q19: Is the project subject to Montana's wholesale energy transaction tax (15-72-104, MCA)? Yes

Q20: If yes, what was the amount paid in:

Year 1 of operation?	9,750
Year 2 of operation?	10,154
Year 3 of operation?	10,185
Year 4 of operation?	14,830
Year 5 of operation?	13,643
Year 6 of operation?	11,186 thru October 2013

Q21: Is the project subject to Montana's electrical energy producers tax (15-51-101 MCA)? Yes

Renewable Energy in Montana - Survey for Generators

Q22: If yes, what was the amount paid in:

Year 1 of operation?	12,999
Year 2 of operation?	13,538
Year 3 of operation?	13,580
Year 4 of operation?	19,773
Year 5 of operation?	18,191
Year 6 of operation?	14,915 thru October 2013

Q23: Has the project paid or will the project in the future pay facility impact fees for local governmental units and school districts in Montana (15-24-3004, MCA and 15-24-3005, MCA)?

No

Q24: If so -

Respondent skipped this question

Q25: In general terms how much is paid for land leases in Montana needed for the project?

\$52,000 per year

Q26: How much is paid for Montana state land leases?

\$0

Q27: Are there additional taxes paid in Montana in conjunction with the project that you feel the committee should include in its analysis?

No

Q28: Have community donations or additional financial contributions been made in the Montana community where the project is located?

No

Q29: Please provide any additional thoughts on how the project has contributed to Montana or your local economy?

Respondent skipped this question

Q30: Has Montana's renewable energy standard assisted in leveraging Montana's competitive advantage in developing new electric transmission?

No,

Please elaborate on why or why not?
No new electrical transmission was built in conjunction with this project.

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

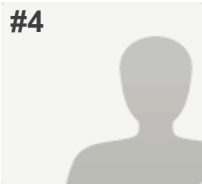
The Montana Renewable Portfolio Standard should not be changed. All investments in renewables should be justified on an equal basis with other available resources, without regard to a mandate.

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later).

Yes

Renewable Energy in Montana - Survey for Generators

#4



COMPLETE

Collector: Initial e-mail 3 (Email)
Started: Friday, September 27, 2013 1:23:56 PM
Last Modified: Friday, December 06, 2013 5:57:13 AM
Time Spent: Over a month
Email: darcy.neigum@mdu.com
Custom Value: Diamond Willow II

IP Address: 162.57.10.186

PAGE 1

Q1: What is the name of the project?

Diamond Willow 1 and 2

Q2: When did ...

... construction of the project begin? 10/01/2009,

... the project begin operating? 06/16/2010

Q3: Did Montana's Renewable Portfolio Standard, enacted in 2005, contribute to your decision to build?

No,

Please provide details of why it did or did not.
 Montana-Dakota Utilities Co.'s addition of 57 MW of renewable generation resources to its portfolio was not made solely in response to the Montana Renewable Portfolio Standard but in conjunction with the Company's Integrated Resources Plan which included the costs and consideration of other forms of generation. The standard probably accelerated the acquisition of renewable generation resources.

Q4: What was the project investment (in \$ dollars)?

\$25.4 million for Diamond Willow 2

Q5: How many Montana contractors or subcontractors were hired during construction?

0

Q6: Please list the contractors and subcontractors

Wanzek Construction out of West Fargo, ND was the general contractor for the project.

Q7: How many people were employed in Montana during construction?

approximately 25

Q8: What were the average earnings per job?

Unknown

Q9: How many full-time permanent jobs has the project created in Montana and what are the average earnings per job?

Combined 2 employees full-time employees for both Diamond Willow I and Diamond Willow II

Q10: How many Montana or local vendors are utilized in support of the project?

See below

Q11: In general, can you describe how those vendors are utilized?

Lodging
 Restaurants
 Groceries
 Small tools and equipment

Renewable Energy in Montana - Survey for Generators

Q12: How much in Montana property taxes (15-6-157, MCA) have been paid for the project in:

Year 1 of construction or operation?	0
Year 2 of construction or operation?	0
Year 3 of construction or operation?	0
Year 4 of construction or operation?	0
Year 5 of construction or operation?	0
Year 6 of construction or operation?	0

Q13: Is the project currently receiving a state (Montana) or federal tax abatement? No

Q14: What is the abatement? 0

Q15: When will the tax abatement expire? *Respondent skipped this question*

Q16: What are the estimated property taxes following expiration of the abatement? *Respondent skipped this question*

Q17: How much in local property taxes (15-6-157, MCA) have been paid in Montana, and in what county, for the project in:

Year 1 of construction or operation?	0
Year 2 of construction or operation?	0
Year 3 of construction or operation?	0
Year 4 of construction or operation?	51,324
Year 5 of construction or operation?	62,635
Year 6 of construction or operation?	61,687

Q18: What was the amount of business equipment taxes (15-6-138, MCA) paid in Montana conjunction with the project in:

Year 1 of construction or operation?	0
Year 2 of construction or operation?	0
Year 3 of construction or operation?	0
Year 4 of construction or operation?	0
Year 5 of construction or operation?	0
Year 6 of construction or operation?	0

Q19: Is the project subject to Montana's wholesale energy transaction tax (15-72-104, MCA)? Yes

Q20: If yes, what was the amount paid in:

Year 1 of operation?	Provided under Diamond Willow 1 in total
----------------------	--

Q21: Is the project subject to Montana's electrical energy producers tax (15-51-101 MCA)? Yes

Q22: If yes, what was the amount paid in:

Year 1 of operation?	Provided under Diamond Willow 1
----------------------	---------------------------------

Q23: Has the project paid or will the project in the future pay facility impact fees for local governmental units and school districts in Montana (15-24-3004, MCA and 15-24-3005, MCA)? No

Q24: If so - *Respondent skipped this question*

Q25: In general terms how much is paid for land leases in Montana needed for the project?

\$28,000 per year

Renewable Energy in Montana - Survey for Generators

Q26: How much is paid for Montana state land leases?

\$0

Q27: Are there additional taxes paid in Montana in conjunction with the project that you feel the committee should include in its analysis? No

Q28: Have community donations or additional financial contributions been made in the Montana community where the project is located? No

Q29: Please provide any additional thoughts on how the project has contributed to Montana or your local economy? *Respondent skipped this question*

Q30: Has Montana's renewable energy standard assisted in leveraging Montana's competitive advantage in developing new electric transmission? No,
Please elaborate on why or why not?
No new electrical transmission was built in conjunction with this project.

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

The Montana Renewable Portfolio Standard should not be changed. All investments in renewables should be justified on an equal basis with other available resources, without regard to a mandate.

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later). Yes

Renewable Energy in Montana - Survey for Generators

#2



COMPLETE

Collector: Initial e-mail (Email)
Started: Thursday, October 03, 2013 9:11:36 AM
Last Modified: Wednesday, December 04, 2013 3:55:58 PM
Time Spent: Over a month
Email: brogan@oversightresources.com
Custom Value: Gordon Butte

IP Address: 72.174.34.65

PAGE 1

Q1: What is the name of the project?	Gordon Butte
Q2: When did construction of the project begin? 04/01/2011, ... the project begin operating? 01/03/2012	
Q3: Did Montana's Renewable Portfolio Standard, enacted in 2005, contribute to your decision to build?	No, Please provide details of why it did or did not. The largest factor that contributed to our decision to build was having access to the avoided cost rate provided in the QF-1 tariff that was available at that time. Although we do meet the RPS requirements for renewable generation and CREPs, neither one had a direct impact on our decision to build.
Q4: What was the project investment (in \$ dollars)?	23,000,000
Q5: How many Montana contractors or subcontractors were hired during construction?	60
Q6: Please list the contractors and subcontractors Dick Anderson Construction Rocky Mountain Contractors Electrical Consultants, Inc. Colstrip Electric Stahley Engineering	
Q7: How many people were employed in Montana during construction?	50
Q8: What were the average earnings per job?	<i>Respondent skipped this question</i>
Q9: How many full-time permanent jobs has the project created in Montana and what are the average earnings per job? 3 - \$33,333 avg salary	
Q10: How many Montana or local vendors are utilized in support of the project?	7
Q11: In general, can you describe how those vendors are utilized? They support the project as suppliers, scheduled maintenance, unplanned maintenance, repairs, technical support.	

Renewable Energy in Montana - Survey for Generators

Q12: How much in Montana property taxes (15-6-157, MCA) have been paid for the project in:

Year 6 of construction or operation?	170000
Year 5 of construction or operation?	91000
Year 4 of construction or operation?	96000
Year 3 of construction or operation?	102000
Year 2 of construction or operation?	108000
Year 1 of construction or operation?	110342

Q13: Is the project currently receiving a state (Montana) or federal tax abatement? Yes

Q14: What is the abatement? 50% property tax abatement

Q15: When will the tax abatement expire?

Enter a date: 01/01/2022

Q16: What are the estimated property taxes following expiration of the abatement? 100,000

Q17: How much in local property taxes (15-6-157, MCA) have been paid in Montana, and in what county, for the project in:

Year 6 of construction or operation?	See #12 - Meagher County
Year 5 of construction or operation?	See #12 - Meagher County
Year 4 of construction or operation?	See #12 - Meagher County
Year 3 of construction or operation?	See #12 - Meagher County
Year 2 of construction or operation?	See #12 - Meagher County
Year 1 of construction or operation?	See #12 - Meagher County

Q18: What was the amount of business equipment taxes (15-6-138, MCA) paid in Montana conjunction with the project in: *Respondent skipped this question*

Q19: Is the project subject to Montana's wholesale energy transaction tax (15-72-104, MCA)? No

Q20: If yes, what was the amount paid in: *Respondent skipped this question*

Q21: Is the project subject to Montana's electrical energy producers tax (15-51-101 MCA)? Yes

Q22: If yes, what was the amount paid in:

Year 1 of operation?	8300
Year 2 of operation?	8300
Year 3 of operation?	8300
Year 4 of operation?	8300
Year 5 of operation?	8300
Year 6 of operation?	8300

Q23: Has the project paid or will the project in the future pay facility impact fees for local governmental units and school districts in Montana (15-24-3004, MCA and 15-24-3005, MCA)? No

Q24: If so - *Respondent skipped this question*

Q25: In general terms how much is paid for land leases in Montana needed for the project?

Approximately \$80,000 per year, increasing to approx \$130,000 per year

Q26: How much is paid for Montana state land leases? 32 *Respondent skipped this question*

Renewable Energy in Montana - Survey for Generators

Q27: Are there additional taxes paid in Montana in conjunction with the project that you feel the committee should include in its analysis?

Yes,

Please list those taxes and the year and amount paid
Because all of the owners of Gordon Butte are Montana residents there will be additional income tax revenue generated from the project.

Q28: Have community donations or additional financial contributions been made in the Montana community where the project is located?

Yes,

If yes, please list. Harlow ton Rodeo

Q29: Please provide any additional thoughts on how the project has contributed to Montana or your local economy?

The project has contributed to the state and local economies by hiring and contracting with Montana based business's. Because it is a CREP it creates additional tax revenue for the state from income taxes that would otherwise go to out of state entities.

Q30: Has Montana's renewable energy standard assisted in leveraging Montana's competitive advantage in developing new electric transmission?

No,

Please elaborate on why or why not?
The RPS has not contributed to developing new electric transmission. Although projects that have been built in Montana have contributed to upgrades and improvements to the electric transmission system in Montana, the upgrades only benefit a specific project and do not allow for additional renewable generation to be tapped or exported. Essentially the projects make relatively minor improvements to the grid but do not leverage Montana's competitive advantage in developing more resources.

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

Respondent skipped this question

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later).

Yes

Renewable Energy in Montana - Survey for Generators

#1



COMPLETE

Collector: Follow-up #1 (Email)

Started: Wednesday, December 04, 2013 12:08:28 PM

Last Modified: Wednesday, December 04, 2013 12:09:36 PM

Time Spent: 00:01:08

Email: gdoyon@greatfallsmt.net

Custom Value: Great Falls Wastewater Treatment Plant

IP Address: 63.228.223.162

PAGE 1

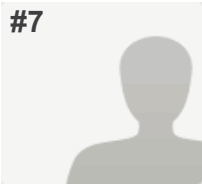
Q1: What is the name of the project?	Great Falls Wastewater Plant
Q2: When did ...	Respondent skipped this question
Q3: Did Montana's Renewable Portfolio Standard, enacted in 2005, contribute to your decision to build?	No
Q4: What was the project investment (in \$ dollars)?	Respondent skipped this question
Q5: How many Montana contractors or subcontractors were hired during construction?	Respondent skipped this question
Q6: Please list the contractors and subcontractors	Respondent skipped this question
Q7: How many people were employed in Montana during construction?	Respondent skipped this question
Q8: What were the average earnings per job?	Respondent skipped this question
Q9: How many full-time permanent jobs has the project created in Montana and what are the average earnings per job?	Respondent skipped this question
Q10: How many Montana or local vendors are utilized in support of the project?	Respondent skipped this question
Q11: In general, can you describe how those vendors are utilized?	Respondent skipped this question
Q12: How much in Montana property taxes (15-6-157, MCA) have been paid for the project in:	Respondent skipped this question
Q13: Is the project currently receiving a state (Montana) or federal tax abatement?	No
Q14: What is the abatement?	Respondent skipped this question
Q15: When will the tax abatement expire?	Respondent skipped this question
Q16: What are the estimated property taxes following expiration of the abatement?	Respondent skipped this question
Q17: How much in local property taxes (15-6-157, MCA) have been paid in Montana, and in what county, for the project in:	Respondent skipped this question
Q18: What was the amount of business equipment taxes (15-6-138, MCA) paid in Montana conjunction with the project in:	Respondent skipped this question

Renewable Energy in Montana - Survey for Generators

Q19: Is the project subject to Montana's wholesale energy transaction tax (15-72-104, MCA)?	No
Q20: If yes, what was the amount paid in:	<i>Respondent skipped this question</i>
Q21: Is the project subject to Montana's electrical energy producers tax (15-51-101 MCA)?	No
Q22: If yes, what was the amount paid in:	<i>Respondent skipped this question</i>
Q23: Has the project paid or will the project in the future pay facility impact fees for local governmental units and school districts in Montana (15-24-3004, MCA and 15-24-3005, MCA)?	No
Q24: If so -	<i>Respondent skipped this question</i>
Q25: In general terms how much is paid for land leases in Montana needed for the project?	<i>Respondent skipped this question</i>
Q26: How much is paid for Montana state land leases?	<i>Respondent skipped this question</i>
Q27: Are there additional taxes paid in Montana in conjunction with the project that you feel the committee should include in its analysis?	No
Q28: Have community donations or additional financial contributions been made in the Montana community where the project is located?	No
Q29: Please provide any additional thoughts on how the project has contributed to Montana or your local economy?	<i>Respondent skipped this question</i>
Q30: Has Montana's renewable energy standard assisted in leveraging Montana's competitive advantage in developing new electric transmission?	No
Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard	<i>Respondent skipped this question</i>
Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later).	Yes

Renewable Energy in Montana - Survey for Generators

#7



COMPLETE

Collector: Initial e-mail (Email)

Started: Tuesday, December 17, 2013 1:47:09 PM

Last Modified: Tuesday, December 31, 2013 12:57:13 PM

Time Spent: Over a week

Email: kmclain@inveneryllc.com

Custom Value: Judith Gap

IP Address: 38.98.131.120

PAGE 1

Q1: What is the name of the project?	Judith Gap
Q2: When did construction of the project begin? 01/01/2005, ... the project begin operating? 02/16/2006	
Q3: Did Montana's Renewable Portfolio Standard, enacted in 2005, contribute to your decision to build?	<i>Respondent skipped this question</i>
Q4: What was the project investment (in \$ dollars)?	183,974,000
Q5: How many Montana contractors or subcontractors were hired during construction?	<i>Respondent skipped this question</i>
Q6: Please list the contractors and subcontractors	<i>Respondent skipped this question</i>
Q7: How many people were employed in Montana during construction?	<i>Respondent skipped this question</i>
Q8: What were the average earnings per job?	<i>Respondent skipped this question</i>
Q9: How many full-time permanent jobs has the project created in Montana and what are the average earnings per job? 11 FTE, \$80,000 in earnings including benefits	
Q10: How many Montana or local vendors are utilized in support of the project?	<i>Respondent skipped this question</i>
Q11: In general, can you describe how those vendors are utilized?	<i>Respondent skipped this question</i>
Q12: How much in Montana property taxes (15-6-157, MCA) have been paid for the project in:	<i>Respondent skipped this question</i>
Q13: Is the project currently receiving a state (Montana) or federal tax abatement?	No
Q14: What is the abatement?	<i>Respondent skipped this question</i>
Q15: When will the tax abatement expire?	<i>Respondent skipped this question</i>
Q16: What are the estimated property taxes following expiration of the abatement?	<i>Respondent skipped this question</i>

Renewable Energy in Montana - Survey for Generators

Q17: How much in local property taxes (15-6-157, MCA) have been paid in Montana, and in what county, for the project in:

Year 1 of construction or operation?	1,399,000 - Wheatland County
Year 2 of construction or operation?	1,366,000 - Wheatland County
Year 3 of construction or operation?	1,333,000 - Wheatland County
Year 4 of construction or operation?	1,398,000 - Wheatland County
Year 5 of construction or operation?	1,535,000 - Wheatland County
Year 6 of construction or operation?	1,639,000 - Wheatland County

Q18: What was the amount of business equipment taxes (15-6-138, MCA) paid in Montana conjunction with the project in: *Respondent skipped this question*

Q19: Is the project subject to Montana's wholesale energy transaction tax (15-72-104, MCA)? *Respondent skipped this question*

Q20: If yes, what was the amount paid in: *Respondent skipped this question*

Q21: Is the project subject to Montana's electrical energy producers tax (15-51-101 MCA)? Yes

Q22: If yes, what was the amount paid in:

Year 1 of operation?	63,000
Year 2 of operation?	62,000
Year 3 of operation?	101,000
Year 4 of operation?	94,000
Year 5 of operation?	86,000
Year 6 of operation?	92,000

Q23: Has the project paid or will the project in the future pay facility impact fees for local governmental units and school districts in Montana (15-24-3004, MCA and 15-24-3005, MCA)? Yes

Q24: If so -

To what government entity?	Wheatland County
How much in year 1?	787,000
How much in year 2?	787,000
How much in year 3?	787,000

Q25: In general terms how much is paid for land leases in Montana needed for the project?

\$400,000 annually.

Q26: How much is paid for Montana state land leases?

\$55,000 annually.

Q27: Are there additional taxes paid in Montana in conjunction with the project that you feel the committee should include in its analysis? *Respondent skipped this question*

Q28: Have community donations or additional financial contributions been made in the Montana community where the project is located? Yes,
If yes, please list.
Judith Gap provides community donations to multiple entities in Wheatland County every year, generally between \$5-\$10,000 annually.

Q29: Please provide any additional thoughts on how the project has contributed to Montana or your local economy? *Respondent skipped this question*

Renewable Energy in Montana - Survey for Generators

Q30: Has Montana's renewable energy standard assisted in leveraging Montana's competitive advantage in developing new electric transmission?

Respondent skipped this question

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

Respondent skipped this question

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later).

Yes

Nowakowski, Sonja

From: Sasse, Art <Art.Sasse@iberdrolaren.com>
Sent: Wednesday, September 18, 2013 2:14 PM
To: Nowakowski, Sonja
Subject: RE: Montana Survey for Klondike

Sonja,

So, as we look at this – seems like only question #31 applies. This will be our answer to that question....

Montana has a strong wind resource but does not have significant load so it is unlikely an out-of-state project will be affected by the Montana RPS. In-state projects will look more favorable.

Should I go through the formal survey process for this – or does this give you what you need.



Art Sasse
Director, Communications & Brand

Iberdrola Renewables
1125 NW Couch Street, Suite 700; Portland, OR 97209
Telephone: (503) 796-7740; Mobile (503) 475-0330
art.sasse@iberdrolaREN.com



In the interests of the environment, please print only if necessary and recycle.

From: survey-noreply@smo.surveymonkey.com [<mailto:survey-noreply@smo.surveymonkey.com>] **On Behalf Of** snowakowski@mt.gov via [surveymonkey.com](http://www.surveymonkey.com)
Sent: Tuesday, September 17, 2013 12:28 PM
To: Sasse, Art
Subject: Montana Survey for Klondike

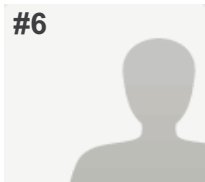
Dear Renewable Energy Generator: The Montana Legislature is seeking your feedback concerning the Montana Renewable Power Production and Rural Economic Development Act. Since 2008, the law has required certain utilities to procure a percentage of their resources from renewable resources. As directed by [Senate Joint Resolution No. 6](#), the Energy and Telecommunications Interim Committee of the Legislature is focused on the economic impacts of the renewable portfolio standard, the environmental benefits of the standard, and the impacts the standard has had on Montana consumers. The committee is beginning its work by reaching out to renewable generators in Montana. Please take a few minutes to fill out the survey at the following link:

https://www.surveymonkey.com/s.aspx?sm=rmJRAQmAOMOdAKzbOJMzaQ_3d_3d This link is uniquely tied to your project. You may forward this email and the link for this survey to multiple people to assist in filling it out. When the survey is complete, please click the “Final Submission” button at the bottom of the last page. Thank you for your participation. Sonja Nowakowski Research Analyst Montana Legislative Services Division (406) 444-3078 Please note: If you do not wish to receive further emails from us, please click the link below, and you will be automatically removed from our mailing list.

https://www.surveymonkey.com/optout.aspx?sm=rmJRAQmAOMOdAKzbOJMzaQ_3d_3d

Renewable Energy in Montana - Survey for Generators

#6



COMPLETE

Collector: Follow Up #2 (Email)

Started: Saturday, December 07, 2013 7:55:10 AM

Last Modified: Saturday, December 07, 2013 8:40:38 AM

Time Spent: 00:45:28

Email: ted@tsorenson.net

Custom Value: Turnbull

IP Address: 69.20.157.151

PAGE 1

Q1: What is the name of the project?

Turnbull

Q2: When did ...

... construction of the project begin? 06/01/2010,

... the project begin operating? 07/15/2011

Q3: Did Montana's Renewable Portfolio Standard, enacted in 2005, contribute to your decision to build?

Yes,

Please provide details of why it did or did not.
We were able to sell the power to Northwestern Energy under the community resource program. It was a competitive bid to Northwestern. Our bid was successful. The community resource program would not be available absent the RPS requirement. We are grateful to the legislature for passing the program and are hopeful it will continue to allow rural communities to develop small hydro resources associated with irrigation systems.

Q4: What was the project investment (in \$ dollars)?

Direct \$ 13.8 million

Q5: How many Montana contractors or subcontractors were hired during construction?

8 to 10

Q6: Please list the contractors and subcontractors

Selway Fabrication , Stevensville
Ajay Concrete , Augusta
Ramaker Swanson concrete ,Choteau
Pimley Electric , Joplin
Greenfields Irrigation District Crews, Fairfield
Red Rock electric transmission, Havre
Numerous equipment rental houses in Great Falls and Helena

Q7: How many people were employed in Montana during construction?

about 20 to 20

Q8: What were the average earnings per job?

\$15 to \$ 50 per hour

Q9: How many full-time permanent jobs has the project created in Montana and what are the average earnings per job?

operation is equivalent to 1 full time job

Q10: How many Montana or local vendors are utilized in support of the project?

6 to 10

Q11: In general, can you describe how those vendors are utilized?

Electrical wiring, Steel , rebar , concrete , construction equipment, power poles etc , steel fabrication

Renewable Energy in Montana - Survey for Generators

Q12: How much in Montana property taxes (15-6-157, MCA) have been paid for the project in:	<i>Respondent skipped this question</i>
Q13: Is the project currently receiving a state (Montana) or federal tax abatement?	Yes
Q14: What is the abatement?	new business for property taxes
Q15: When will the tax abatement expire? Enter a date: 12/31/2021	
Q16: What are the estimated property taxes following expiration of the abatement?	\$250,000
Q17: How much in local property taxes (15-6-157, MCA) have been paid in Montana, and in what county, for the project in: Year 3 of construction or operation? Year 2 of construction or operation? Year 1 of construction or operation?	teton county about \$190,000 teton county about \$170,000 teton county about \$160,000
Q18: What was the amount of business equipment taxes (15-6-138, MCA) paid in Montana conjunction with the project in:	<i>Respondent skipped this question</i>
Q19: Is the project subject to Montana's wholesale energy transaction tax (15-72-104, MCA)?	<i>Respondent skipped this question</i>
Q20: If yes, what was the amount paid in: Year 3 of operation? Year 2 of operation? Year 1 of operation?	About \$8000 about \$8000 about \$6000
Q21: Is the project subject to Montana's electrical energy producers tax (15-51-101 MCA)?	No
Q22: If yes, what was the amount paid in:	<i>Respondent skipped this question</i>
Q23: Has the project paid or will the project in the future pay facility impact fees for local governmental units and school districts in Montana (15-24-3004, MCA and 15-24-3005, MCA)?	No
Q24: If so -	<i>Respondent skipped this question</i>
Q25: In general terms how much is paid for land leases in Montana needed for the project? 10 % of revenue or about \$170,000 per year goes to Greenfield Irrigation district.. This reduces the water assessments to about 80,000 acres of farmland	
Q26: How much is paid for Montana state land leases? none	
Q27: Are there additional taxes paid in Montana in conjunction with the project that you feel the committee should include in its analysis?	Yes, Please list those taxes and the year and amount paid All the owners of the project pay substantial personal Montana state incomes taxes as the project is owned by Montana limited liability company(LLC).

Renewable Energy in Montana - Survey for Generators

Q28: Have community donations or additional financial contributions been made in the Montana community where the project is located?

Yes,

If yes, please list.

We contribute to the local high school sports teams and buy 4H animals

Q29: Please provide any additional thoughts on how the project has contributed to Montana or your local economy?

We put a lot of people to work when the economy was down and continue to put money into Montana in terms of property tax and income taxes plus we have reduced the water assessments for numerous farmers in the Fairfield area.

Item 12 would not allow me to enter the annual property taxes. they are about \$190,000 per year

Q30: Has Montana's renewable energy standard assisted in leveraging Montana's competitive advantage in developing new electric transmission?

Please elaborate on why or why not?

We built only 4.5 miles of new transmission line

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

I urge the legislature to continue as it will allow small developers to develop new resources throughout the state

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later).

Yes

Renewable Energy in Montana - Survey for Generators

#9

COMPLETE



Collector: Follow Up #3 (Email)
Started: Monday, January 06, 2014 9:13:40 AM
Last Modified: Monday, January 06, 2014 9:40:46 AM
Time Spent: 00:27:06
Email: jbacon@goldwindamerica.com
Custom Data: Musselshell Wind I

IP Address: 64.187.194.96

PAGE 1

Q1: What is the name of the project?	Musselshell 1 and 2
Q2: When did construction of the project begin? 06/01/2012, ... the project begin operating? 01/01/2013	
Q3: Did Montana's Renewable Portfolio Standard, enacted in 2005, contribute to your decision to build?	Yes, Please provide details of why it did or did not. Musselshell wind project won bid to provide a 20 year PPA to Northwestern Energy to cover a portion of their renewable portfolio requirements.
Q4: What was the project investment (in \$ dollars)?	48 million
Q5: How many Montana contractors or subcontractors were hired during construction?	15 counted may have been more.
Q6: Please list the contractors and subcontractors Substation Inc - Helena MT CEI - Billings MT EPC/CEI Services - Billings MT Local Machine Shop near Ryegate MT Local sanitation company - Roundup MT Mullen Crane - Billings MT Bull Mountain Excavation - Lavina MT Eagle Construction - Billings MT Battle Ridge Construction-Livingston MT Hanson-Kelly Construction - Billings MT Fast Track Acoustics-Laurel MT T.J. Painting - Billings MT Pro Pump & Equipment-Laurel MT Northern Plumbing - Molt MT R&T Services-Billings MT Summit Electric- Billings MT	
Q7: How many people were employed in Montana during construction?	Max was 100 - 120 Avg 75
Q8: What were the average earnings per job?	20.00/hr
Q9: How many full-time permanent jobs has the project created in Montana and what are the average earnings per job? 3 / 68,000/yr	
Q10: How many Montana or local vendors are utilized in support of the project?	10-15

Renewable Energy in Montana - Survey for Generators

Q11: In general, can you describe how those vendors are utilized?

Providing specialized services to site operations.

Q12: How much in Montana property taxes (15-6-157, MCA) have been paid for the project in:

Year 1 of construction or operation?	0
Year 2 of construction or operation?	0

Q13: Is the project currently receiving a state (Montana) or federal tax abatement? Yes

Q14: What is the abatement? 0

Q15: When will the tax abatement expire? *Respondent skipped this question*

Q16: What are the estimated property taxes following expiration of the abatement? Unknown

Q17: How much in local property taxes (15-6-157, MCA) have been paid in Montana, and in what county, for the project in:

Year 1 of construction or operation?	0
Year 2 of construction or operation?	0
Year 3 of construction or operation?	0
Year 4 of construction or operation?	0
Year 5 of construction or operation?	0
Year 6 of construction or operation?	0

Q18: What was the amount of business equipment taxes (15-6-138, MCA) paid in Montana conjunction with the project in:

Year 1 of construction or operation?	0
Year 2 of construction or operation?	0
Year 3 of construction or operation?	0
Year 4 of construction or operation?	0
Year 5 of construction or operation?	0
Year 6 of construction or operation?	0

Q19: Is the project subject to Montana's wholesale energy transaction tax (15-72-104, MCA)? *Respondent skipped this question*

Q20: If yes, what was the amount paid in:

Year 1 of operation?	0
Year 2 of operation?	0
Year 3 of operation?	0
Year 4 of operation?	0
Year 5 of operation?	0
Year 6 of operation?	0

Q21: Is the project subject to Montana's electrical energy producers tax (15-51-101 MCA)? *Respondent skipped this question*

Q22: If yes, what was the amount paid in:

Year 1 of operation?	0
Year 2 of operation?	0
Year 3 of operation?	0
Year 4 of operation?	0
Year 5 of operation?	0
Year 6 of operation?	0

Renewable Energy in Montana - Survey for Generators

Q23: Has the project paid or will the project in the future pay facility impact fees for local governmental units and school districts in Montana (15-24-3004, MCA and 15-24-3005, MCA)? Yes

Q24: If so -

To what government entity?	Wheatland County
How much in year 1?	0
How much in year 2?	0
How much in year 3?	0

Q25: In general terms how much is paid for land leases in Montana needed for the project?

60,000 per year

Q26: How much is paid for Montana state land leases?

Unknown

Q27: Are there additional taxes paid in Montana in conjunction with the project that you feel the committee should include in its analysis? No

Q28: Have community donations or additional financial contributions been made in the Montana community where the project is located? No

Q29: Please provide any additional thoughts on how the project has contributed to Montana or your local economy? Respondent skipped this question

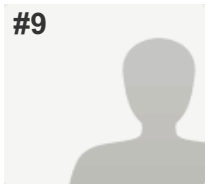
Q30: Has Montana's renewable energy standard assisted in leveraging Montana's competitive advantage in developing new electric transmission? No

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard Respondent skipped this question

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later). Yes

Renewable Energy in Montana - Survey for Generators

#9



COMPLETE

Collector: Follow Up #2 (Email)

Started: Thursday, December 26, 2013 12:57:14 PM

Last Modified: Tuesday, January 28, 2014 8:14:46 AM

Time Spent: Over a month

Email: john.bushnell@northwestern.com

Custom Data: Spion Kop

IP Address: 199.96.16.11

PAGE 1

Q1: What is the name of the project?

Spion Kop

Q2: When did ...

... construction of the project begin? 03/20/2012,

... the project begin operating? 12/01/2012

Q3: Did Montana's Renewable Portfolio Standard, enacted in 2005, contribute to your decision to build?

Yes,

Please provide details of why it did or did not.
NorthWestern Energy is obligated under Montana's Renewable Portfolio Standard to purchase output from eligible renewable projects.

Q4: What was the project investment (in \$ dollars)?

\$83,900,949

Q5: How many Montana contractors or subcontractors were hired during construction?

22

Q6: Please list the contractors and subcontractors

- Dick Anderson Construction
- DJ& A
- Annala Fencing
- Oswald construction
- Paradise Fencing
- Riley 4 Securities
- Schellinger Construction
- Terracon
- Tetra Tech
- Asplund Enterprises
- Boland Construction
- Fire Guys
- Contract Flooring
- Windy City Excavation
- United Materials
- Christmas Roofing
- Klinefelters Insulation
- Lonesome Dove
- MacDonald Heating and Cooling
- Mountain West Steel
- United electric
- Summit Plumbing

Q7: How many people were employed in Montana during construction?

790 MT residents were employed during construction

Q8: What were the average earnings per job?

\$33.17

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Q9: How many full-time permanent jobs has the project created in Montana and what are the average earnings per job?

5 @ approximately \$75,000 annually

Q10: How many Montana or local vendors are utilized in support of the project?

approximately 10

Q11: In general, can you describe how those vendors are utilized?

Local vendors are used for services typical for a commercial operation and include for example; trash removal, weed control, road maintenance, rodent control, and bottled water services.

Q12: How much in Montana property taxes (15-6-157, MCA) have been paid for the project in:

Year 1 of construction or operation?	255684
Year 2 of construction or operation?	0
Year 3 of construction or operation?	0
Year 4 of construction or operation?	0
Year 5 of construction or operation?	0
Year 6 of construction or operation?	0

Q13: Is the project currently receiving a state (Montana) or federal tax abatement?

Yes

Q14: What is the abatement?

Montana New or Expanding Industry (15-24-1402 MCA)

Q15: When will the tax abatement expire?

Enter a date: 12/31/2021

Q16: What are the estimated property taxes following expiration of the abatement?

400,000.00

Q17: How much in local property taxes (15-6-157, MCA) have been paid in Montana, and in what county, for the project in:

Year 1 of construction or operation?	255,684.11, Judith Basin
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Q18: What was the amount of business equipment taxes (15-6-138, MCA) paid in Montana conjunction with the project in:

Year 1 of construction or operation?	0
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Q19: Is the project subject to Montana's wholesale energy transaction tax (15-72-104, MCA)?

No

Q20: If yes, what was the amount paid in:

Year 1 of operation?	\$0
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Q21: Is the project subject to Montana's electrical energy producers tax (15-51-101 MCA)?

Yes

Q22: If yes, what was the amount paid in:

Year 1 of operation?	\$33,288
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Q23: Has the project paid or will the project in the future pay facility impact fees for local governmental units and school districts in Montana (15-24-3004, MCA and 15-24-3005, MCA)?

Yes

Q24: If so -

To what government entity?	Judith Basin County
How much in year 1?	209753
How much in year 2?	104876
How much in year 3?	104876

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Q25: In general terms how much is paid for land leases in Montana needed for the project?

Approximately \$200,000 annually.

Q26: How much is paid for Montana state land leases?

\$0

Q27: Are there additional taxes paid in Montana in conjunction with the project that you feel the committee should include in its analysis?

Yes,

Please list those taxes and the year and amount paid
Montana Consumer Counsel Tax & Montana Public Service Commission Tax totaling approximately \$40,000 annually.

Q28: Have community donations or additional financial contributions been made in the Montana community where the project is located?

Yes,

If yes, please list.
\$10,000 donated to the Geysers school for purchase of iPads

Q29: Please provide any additional thoughts on how the project has contributed to Montana or your local economy?

Respondent skipped this question

Q30: Has Montana's renewable energy standard assisted in leveraging Montana's competitive advantage in developing new electric transmission?

No,

Please elaborate on why or why not?
From a transmission providers perspective, the RPS itself does not seem to have promoted the development of new electric transmission. The RPS standard does seem to have resulted in more use of the existing transmission system in certain areas and also in direct interconnection facilities for projects striving to be part of the RPS solution. However, at this point larger scale transmission additions have not occurred as a result of the RPS

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

Respondent skipped this question

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later).

Yes

Renewable Energy in Montana - Survey for Generators

#10



COMPLETE

Collector: Follow up - Lower South Fork (Email)
Started: Tuesday, February 11, 2014 2:44:41 PM
Last Modified: Tuesday, February 11, 2014 3:02:34 PM
Time Spent: 00:17:52
First Name: Ben
Last Name: Singer

Email: ben@hydrodynamics.biz
Custom Data: Lower South Fork
IP Address: 71.217.166.189

PAGE 1

Q1: What is the name of the project?	Flint Creek
Q2: When did construction of the project begin? 05/01/2012, ... the project begin operating? 03/14/2013	
Q3: Did Montana's Renewable Portfolio Standard, enacted in 2005, contribute to your decision to build?	Yes, Please provide details of why it did or did not. It encouraged Northw estern Energy to be slightly less antagonistic w ith independent pow er producers.
Q4: What was the project investment (in \$ dollars)?	4 million
Q5: How many Montana contractors or subcontractors were hired during construction?	12
Q6: Please list the contractors and subcontractors Tallon Construction, EPC services, S&N concrete, Hydrodynamics Inc, Northw estern Energy, Timberline Fencing, FEPE, S&J rentals, Mungas Co, Sun Rental Center,	
Q7: How many people were employed in Montana during construction?	12
Q8: What were the average earnings per job?	50,000
Q9: How many full-time permanent jobs has the project created in Montana and what are the average earnings per job? 1, 30,000	
Q10: How many Montana or local vendors are utilized in support of the project?	12
Q11: In general, can you describe how those vendors are utilized? purchased materials, equipment. Rented equipment.	
Q12: How much in Montana property taxes (15-6-157, MCA) have been paid for the project in:	
Year 1 of construction or operation?	0
Year 2 of construction or operation?	0
Year 3 of construction or operation?	0
Year 4 of construction or operation?	0
Year 5 of construction or operation?	0
Year 6 of construction or operation?	0

Renewable Energy in Montana - Survey for Generators

Q13: Is the project currently receiving a state (Montana) or federal tax abatement?	No
Q14: What is the abatement?	<i>Respondent skipped this question</i>
Q15: When will the tax abatement expire?	<i>Respondent skipped this question</i>
Q16: What are the estimated property taxes following expiration of the abatement?	0
Q17: How much in local property taxes (15-6-157, MCA) have been paid in Montana, and in what county, for the project in:	
Year 1 of construction or operation?	0
Year 2 of construction or operation?	0
Year 3 of construction or operation?	0
Year 4 of construction or operation?	0
Year 5 of construction or operation?	0
Year 6 of construction or operation?	0
Q18: What was the amount of business equipment taxes (15-6-138, MCA) paid in Montana conjunction with the project in:	
Year 1 of construction or operation?	0
Year 2 of construction or operation?	0
Year 3 of construction or operation?	0
Year 4 of construction or operation?	0
Year 5 of construction or operation?	0
Year 6 of construction or operation?	0
Q19: Is the project subject to Montana's wholesale energy transaction tax (15-72-104, MCA)?	No
Q20: If yes, what was the amount paid in:	<i>Respondent skipped this question</i>
Q21: Is the project subject to Montana's electrical energy producers tax (15-51-101 MCA)?	Yes
Q22: If yes, what was the amount paid in:	
Year 1 of operation?	2000
Year 2 of operation?	2000
Year 3 of operation?	2000
Year 4 of operation?	2000
Year 5 of operation?	2000
Year 6 of operation?	2000
Q23: Has the project paid or will the project in the future pay facility impact fees for local governmental units and school districts in Montana (15-24-3004, MCA and 15-24-3005, MCA)?	No
Q24: If so -	<i>Respondent skipped this question</i>
Q25: In general terms how much is paid for land leases in Montana needed for the project?	
zero	
Q26: How much is paid for Montana state land leases?	
\$75,000 annually	

Renewable Energy in Montana - Survey for Generators

Q27: Are there additional taxes paid in Montana in conjunction with the project that you feel the committee should include in its analysis? No

Q28: Have community donations or additional financial contributions been made in the Montana community where the project is located? No

Q29: Please provide any additional thoughts on how the project has contributed to Montana or your local economy?

This project funds the dam at Georgetown Lake. Without this revenue, the dam was going to potentially be removed. The recreation on the lake is a source of local income.

Q30: Has Montana's renewable energy standard assisted in leveraging Montana's competitive advantage in developing new electric transmission? No,

Please elaborate on why or why not?
There is still no available transmission for small independent producers. Should transmission to Idaho and beyond become available, more projects like this could be developed.

Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard

The consequences of failure need to be geared toward hurting the shareholders and not the ratepayers.

Better rates are needed to encourage local independent power producers. Every stream coming off a mountain in Montana should have a small hydro on it.

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later). Yes

Renewable Energy in Montana - Survey for Generators

#11



COMPLETE

Collector: Follow up for Flint Creek (Email)
Started: Tuesday, February 11, 2014 3:03:05 PM
Last Modified: Tuesday, February 11, 2014 3:12:15 PM
Time Spent: 00:09:10
First Name: Ben
Last Name: Singer

Email: ben@hydrodynamics.biz
Custom Data: Flint Creek
IP Address: 71.217.166.189

PAGE 1

Q1: What is the name of the project?	Low er South Fork
Q2: When did construction of the project begin? 06/01/2011, ... the project begin operating? 08/14/2012	
Q3: Did Montana's Renewable Portfolio Standard, enacted in 2005, contribute to your decision to build?	Yes, Please provide details of why it did or did not. Low rates for Independent power producers would not have allowed this project to be built. The RPS encouraged Northwestern to pay a little more.
Q4: What was the project investment (in \$ dollars)?	1 million
Q5: How many Montana contractors or subcontractors were hired during construction?	4
Q6: Please list the contractors and subcontractors	jares fence, northwestern energy, schlessler materials, J & T materials, Ladvala electric, Hydrodynamics Inc, mountain excavation, JMG contracting,
Q7: How many people were employed in Montana during construction?	5
Q8: What were the average earnings per job?	45,000
Q9: How many full-time permanent jobs has the project created in Montana and what are the average earnings per job?	0.5, 20,000
Q10: How many Montana or local vendors are utilized in support of the project?	4
Q11: In general, can you describe how those vendors are utilized?	Purchased equipment and materials. Rented equipment.
Q12: How much in Montana property taxes (15-6-157, MCA) have been paid for the project in:	<i>Respondent skipped this question</i>
Q13: Is the project currently receiving a state (Montana) or federal tax abatement?	No
Q14: What is the abatement?	<i>Respondent skipped this question</i>

Renewable Energy in Montana - Survey for Generators

Q15: When will the tax abatement expire?	<i>Respondent skipped this question</i>
Q16: What are the estimated property taxes following expiration of the abatement?	<i>Respondent skipped this question</i>
Q17: How much in local property taxes (15-6-157, MCA) have been paid in Montana, and in what county, for the project in:	<i>Respondent skipped this question</i>
Q18: What was the amount of business equipment taxes (15-6-138, MCA) paid in Montana conjunction with the project in:	<i>Respondent skipped this question</i>
Q19: Is the project subject to Montana's wholesale energy transaction tax (15-72-104, MCA)?	<i>Respondent skipped this question</i>
Q20: If yes, what was the amount paid in:	<i>Respondent skipped this question</i>
Q21: Is the project subject to Montana's electrical energy producers tax (15-51-101 MCA)?	Yes
Q22: If yes, what was the amount paid in:	
Year 1 of operation?	400
Year 2 of operation?	400
Year 3 of operation?	400
Year 4 of operation?	400
Year 5 of operation?	400
Year 6 of operation?	400
Q23: Has the project paid or will the project in the future pay facility impact fees for local governmental units and school districts in Montana (15-24-3004, MCA and 15-24-3005, MCA)?	No
Q24: If so -	<i>Respondent skipped this question</i>
Q25: In general terms how much is paid for land leases in Montana needed for the project?	
0	
Q26: How much is paid for Montana state land leases?	
0	
Q27: Are there additional taxes paid in Montana in conjunction with the project that you feel the committee should include in its analysis?	Please list those taxes and the year and amount paid All revenue results in montana income tax
Q28: Have community donations or additional financial contributions been made in the Montana community where the project is located?	No
Q29: Please provide any additional thoughts on how the project has contributed to Montana or your local economy?	
This project helps a ranch get into the black by using water from their irrigation ditch. This plant also helps fund said ditch.	
Q30: Has Montana's renewable energy standard assisted in leveraging Montana's competitive advantage in developing new electric transmission?	Yes, Please elaborate on why or why not? The low rates available to independent power producers is not enough to build small irrigation hydros. The RPS encouraged Northwestern energy to pay a little more.
Q31: Please provide any additional thoughts on Montana's Renewable Portfolio Standard	<i>Respondent skipped this question</i>

Renewable Energy in Montana - Survey for Generators

Q32: FINAL SUBMISSION: All questions are complete and this survey is ready for submission (select no if you wish to return and complete this survey later). Yes