

Proceeding 16A-0436E Appendix A - Black Hills Energy- Colorado Electric 2016 Electric Resource Plan Phase II 30 Day Report															
Eligible Energy Resource Request for Proposal Bid Summary															
Bid No.	Bidder Company	Project Name	Technology	Energy Storage	Bid Includes Standalone RECs (Y/N)	Nameplate Cap.	Est. Annual Energy Production	Project Capacity Factor	Proposed Commercial Operation Date	PPA or BT	Levelized Price (\$/MWh)	First Year Escalating Price (\$/MWh)	Annual Escalation Rate (%)	Contract Term (years)	Claiming Section 123 Status (Y/N)
1017-1	Invenery	La Cumbre Solar Energy Center	Solar (PV)	No	No	60	163,581	31.1	10/1/2019	A PPA with Black Hills	\$32.65			25 years	Yes
1017-1A	Invenery	La Cumbre Solar Energy Center	Solar (PV) + Energy Storage	Yes	No	60	163,581	31.1	10/1/2019	A PPA with Black Hills	\$76.69			25 years	Yes
1017-2	Invenery	La Cumbre Wind Energy Center	Wind	No	No	60	223,100	42.73	10/1/2019	A PPA with Black Hills	\$31.60			25 years	No
1017-3	Invenery	Burnt Mill Solar Energy Center	Solar (PV)	No	No	60	160,052	30.5	10/1/2019	A PPA with Black Hills	\$33.65			25 years	Yes
1017-3A	Invenery	Burnt Mill Solar Energy Center	Solar (PV) + Energy Storage	Yes	No	60	160,052	30.5	10/1/2019	A PPA with Black Hills	\$78.58			25 years	Yes
1017-4	Invenery	La Cumbre Solar Energy Center	Solar (PV)	No	No	60	163,581	31.1	10/1/2019	A transfer of ownership to Black Hills					Yes
1017-5	Invenery	Burnt Mill Solar Energy Center	Solar (PV)	No	No	60	160,052	30.5	10/1/2019	A transfer of ownership to Black Hills					Yes
1017-6	Invenery	La Cumbre Wind Energy Center	Wind	No	No	60	223,100	42.73	10/1/2019	A transfer of ownership to Black Hills					No
1020-1 (Note 1)	EDP Renewables North America LLC	Crossing Trails Wind Power Project	Wind	No	No	57.6	236,021	46.74	10/31/2020	A PPA with Black Hills	\$26.75			20 years	No
1040-1	Clenera	Cedarwood Solar	Solar (PV)	No	Yes	60	169,100	32.33	12/1/2019	A PPA with Black Hills	\$30.00			25 Years	No
1040-1A	Clenera	Cedarwood Solar	Solar (PV)	Yes	Yes	60	169,100	32.33	12/1/2019	A PPA with Black Hills	\$38.20/MWh + \$643,000			25 Years	No
1040-2	Clenera	Owl Canyon Solar	Solar (PV)	No	Yes	60	166,562	31.85	12/1/2019	A PPA with Black Hills	\$31.05			25 Years	No
1040-2A	Clenera	Owl Canyon Solar	Solar (PV)	Yes	Yes	60	166,562	31.85	12/1/2019	A PPA with Black Hills	\$39.35/MWh + \$643,000			25 Years	No
1040-3	Clenera	Sweet Melon Solar	Solar (PV)	Yes	Yes	60	167,801	32.09	12/1/2019	A PPA with Black Hills	\$29.70			25 Years	No
1040-3	Clenera	Sweet Melon Solar	Solar (PV)	Yes	Yes	60	167,801	32.09	12/1/2019	A PPA with Black Hills	\$37.95/MWh + \$643,000 Annually			25 Years	No
1045-1 (Note 2)	Front Range Midway Solar Project, LLC	Cheyenne Ridge Wind Project	Wind	No	Yes	60	249,139	47.4	12/31/2020	A PPA with Black Hills				20 years.	No
1045-2 (Note 1)	Front Range Midway Solar Project, LLC	Front Range Midway Solar Project	Solar (PV)	No	No	60	161,402	30.7	12/31/2019	A PPA with Black Hills		\$35.35		20 years.	No
1045-2A (Note 1)	Front Range Midway Solar Project, LLC	Front Range Midway Solar Project	Solar (PV)	No	No	60	161,402	30.7	12/31/2019	A PPA with Black Hills		\$31.70	1.5	20 years.	No
1053-1	Geronimo Energy	Wild Horse Creek Solar	Solar (PV)	No	No	30	74,000	25.8	12/1/2019	A PPA with Black Hills	\$39.73			25 years.	No
1053-1A	Geronimo Energy	Wild Horse Creek Solar	Solar (PV)	No	No	30	74,000	25.8	12/1/2019	A transfer of ownership to Black Hills					No
1055-1	Pattern SC Holdings	Pueblo Solar I	Solar (PV)	No	No	50	131,773	30.19	12/31/2019	A PPA with Black Hills	\$34.90			20 years	Yes
1055-1A	Pattern SC Holdings	Pueblo Solar I	Solar (PV)	No	No	50	131,773	30.19	12/31/2019	A PPA with Black Hills		\$30.00	2.0	20 years	Yes
1055-1B	Pattern SC Holdings	Pueblo Solar I	Solar (PV)	No	No	50	131,773	30.19	12/31/2019	A PPA with Black Hills	\$50.37 (No PTC Benefit)			20 years	Yes
1055-1C	Pattern SC Holdings	Pueblo Solar I	Solar (PV)	No	No	50	131,773	30.19	12/31/2019	A PPA with Black Hills		\$43.67 (No PTC Benefit)		20 years	Yes
1057-1	sPower	Pueblo BH Solar	Solar (PV)	No	No	60	165,054	31.7	12/1/2019	A PPA with Black Hills	\$29.39			25 years	No
1057-1A	sPower	Pueblo BH Solar	Solar (PV)	No	No	60	165,054	31.7	12/1/2019	A PPA with Black Hills		\$24.49	2.0	25 years	No
1068-1	Longroad Development Company, LLC	Castor Solar	Solar (PV)	No	No	50	138,006	31.5	9/30/2019	A PPA with Black Hills	\$35.50			15 years	No
1068-1A	Longroad Development Company, LLC	Castor Solar	Solar (PV)	No	No	50	138,006	31.5	9/30/2019	A PPA with Black Hills	\$33.75			20 years	No
1068-1B	Longroad Development Company, LLC	Castor Solar	Solar (PV)	No	No	50	138,006	31.5	9/30/2019	A PPA with Black Hills	\$33.00			25 years	No
1068-2	Longroad Development Company, LLC	Castor Solar	Solar (PV)	No	No	50	138,006	31.5	9/30/2019	A transfer of ownership to Black Hills					No
1073-1	CR Energy Concepts LLC	WtE Morgan County	Other - Waste to Energy Syngas	No	No	33.6	173,448	90	10/1/2019	A PPA with Black Hills		\$77.90	2.5	25 years	Yes
1080-1	Holcim (US) Inc	Fremont County Waste-to-Energy Facility	Other - Waste to Energy Syngas	No	No	33.6	162,410	90	10/14/2019	A PPA with Black Hills			3.0	25 years	Yes
1080-2	Holcim (US) Inc	Holcim Heat Recovery	Other - Heat Recovery	No	Yes	10.99	19,710	75	3/31/2019	A PPA with Black Hills				25 years	No
1086-1	Black Hills Electric Generation, LLC	Pueblo Solar I	Solar (PV)	No	No	60	162,614	30.94	6/30/2019	A PPA with Black Hills		\$38.25	3.0	25 years	No
1117-1	Black Hills Electric Generation	Busch Ranch 2	Wind	No	No	60	201,700	38.4	9/30/2019	A PPA with Black Hills		\$15.00 for first two years, \$21.00 in third year escalating for remainder of PPA	3.0	25 years	No
1117-2	Black Hills Electric Generation	Busch Ranch 2	Wind	No	No	60	201,700	38.4	9/30/2019	A transfer of ownership to Black Hills					No
1123-1	Cypress Creek Renewables, LLC	Walker Ranch	Solar (PV)	No	Yes	60	162,131	30.85	11/29/2019	A PPA with Black Hills		\$28.95	3.0	25 years	No
1123-2	Cypress Creek Renewables, LLC	Walker Ranch	Solar (PV)	No	Yes	60	162,131	30.85	11/29/2019	A PPA with Black Hills		\$28.95	3.0	15 years	No
1123-3	Cypress Creek Renewables, LLC	Walker Ranch	Solar (PV)	No	Yes	30	81,066	30.85	11/29/2019	A PPA with Black Hills		\$32.40	2.8	25 years	No
1123-4	Cypress Creek Renewables, LLC	Walker Ranch	Solar (PV)	No	Yes	30	81,066	30.85	11/29/2019	A PPA with Black Hills		\$32.40		15 years	No
1131-1	Ecoplexus, Inc.	Pueblo PV1	Solar (PV)	Yes	No	60	150,019	28.54	12/1/2019	A PPA with Black Hills	\$38.60			25 years	No
1149-1	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2019	A PPA with Black Hills	\$35.63			25 years	No
1149-1A	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2020	A PPA with Black Hills	\$32.65			25 Years	No
1149-1B	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2019	A PPA with Black Hills		\$29.68	2.0	25 years	No
1149-1C	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2020	A PPA with Black Hills		\$27.14	2.0	25 years	No
1149-1D	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2019	A PPA with Black Hills	\$31.97			20 years	No
1149-1E	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2020	A PPA with Black Hills	\$29.79			20 years	No
1149-1F	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2019	A PPA with Black Hills		\$27.63	2.0	20 years	No
1149-1G	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2020	A PPA with Black Hills		\$25.69	2.0	20 years	No
1149-1H	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2019	A PPA with Black Hills	\$31.77			15 years	No
1149-1I	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2020	A PPA with Black Hills	\$29.59			15 years	No
1149-1J	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2019	A PPA with Black Hills		\$27.43	2.0	15 years	No
1149-1K	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2020	A PPA with Black Hills		\$25.49	2.0	15 years	No
1149-2	NextEra Energy Resources	Las Animas West Wind	Wind	No	No	60	222,854	42.4	12/31/2019	A PPA with Black Hills	\$29.00			25 years	No
1149-2A	NextEra Energy Resources	Las Animas West Wind	Wind	No	No	60	222,854	42.4	12/31/2019	A PPA with Black Hills	\$29.05			20 years	No

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1149-2B	NextEra Energy Resources	Las Animas West Wind	Wind	No	No	60	222,854	42.4	12/31/2019	A PPA with Black Hills	\$29.10			15 years	No
1149-3	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2019	A PPA with Black Hills	\$35.77			25 years	No
1149-3A	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2020	A PPA with Black Hills	\$33.05			25 years	No
1149-3B	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2019	A PPA with Black Hills		\$29.79	2.0	25 years	No
1149-3C	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2020	A PPA with Black Hills		\$27.49	2.0	25 years	No
1149-3D	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2019	A PPA with Black Hills	\$32.47			20 years	No
1149-3E	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2020	A PPA with Black Hills	\$30.29			20 years	No
1149-3F	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2019	A PPA with Black Hills		\$28.13	2.0	20 years	No
1149-3G	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2020	A PPA with Black Hills		\$26.19	2.0	20 years	No
1149-3H	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2019	A PPA with Black Hills	\$32.27			15 years	No
1149-3I	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2020	A PPA with Black Hills	\$30.09			15 years	No
1149-3J	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2019	A PPA with Black Hills		\$27.93	2.0	15 years	No
1149-3K	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	167,200	31.7	12/31/2020	A PPA with Black Hills		\$25.99		15 years	No
1149-4	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2019	30 MW - PPA with Black Hills, 30 MW transfer ownership to Black Hills		\$29.63	2.0	20 years	No
1149-4A	NextEra Energy Resources	Nyberg Solar	Solar (PV)	No	Yes	60	168,456	31.3	12/31/2020	30 MW - PPA with Black Hills, 30 MW transfer ownership to Black Hills		\$27.69	2.0	20 years	No
1149-5 (Note 3)	NextEra Energy Resources	Niyol Wind	Wind	No	No	50.1	226,021	51.5	12/31/2020	A PPA with Black Hills	\$26.82			20 years	No
1149-5A	NextEra Energy Resources	Niyol Wind	Wind	No	No	50.1	226,021	51.5	12/31/2020	A PPA with Black Hills	\$29.55			15 years	No
1165-1	Orion Renewable Energy Group LLC	Lone Tree Solar Project, LLC	Solar (PV)	No	No	20	54,679	31.21	9/30/2019	A PPA with Black Hills	\$46.70			25 years	No
1173-1	Juwi Inc.	Cedarwood Solar LLC	Solar (PV)	No	Yes	60	159,993	30.4	12/31/2019	A PPA with Black Hills	\$28.85			20 years	No
1174-1 (Note 4)	South Pointe Solar LLC	South Pointe Solar Project	Solar (PV)	No	No	60	171,543	32.6	11/1/2019	A PPA with Black Hills	\$34.75			25 years	No
1185-1	Apex Clean Energy	Cross Canyon Wind	Wind	No	No	60	203,000	40.37	1/20/2020	A transfer of ownership to Black Hills					No
1189-1 (Note 5)	EDF Renewable Energy	Morning Light Solar	Solar (PV)	No	No	60	169,000	32	12/1/2019	A PPA with Black Hills	\$36.94			20 years	No
1189-1A	EDF Renewable Energy	Morning Light Solar	Solar (PV)	No	No	60	169,000	32	12/1/2019	A PPA with Black Hills		\$32.05	2.0	20 years	No
1189-1B	EDF Renewable Energy	Morning Light Solar	Solar (PV)	No	No	60	169,000	32	12/1/2019	A transfer of ownership to Black Hills					No
1199-1	Lendlease Energy Development LLC	Booneville Solar Farm	Solar (PV)	No	No	60	160,577	31	12/31/2019	A PPA with Black Hills	\$32.00			20 years	No
1220-1	8minutenergy Renewables, LLC	Kirkwood Solar Farm	Solar (PV)	No	Yes	60	170,341	32.41	12/31/2019	A PPA with Black Hills	\$39.10			15 years	No
1220-1A	8minutenergy Renewables, LLC	Kirkwood Solar Farm	Solar (PV)	No	Yes	60	170,341	32.41	12/31/2019	A PPA with Black Hills		\$34.90	2.0	15 years	No
1220-1B	8minutenergy Renewables, LLC	Kirkwood Solar Farm	Solar (PV)	No	Yes	60	170,341	32.41	12/31/2019	A PPA with Black Hills	\$37.05			20 years	No
1220-1C	8minutenergy Renewables, LLC	Kirkwood Solar Farm	Solar (PV)	No	Yes	60	170,341	32.41	12/31/2019	A PPA with Black Hills		\$31.96	2.0	20 years	No
1220-1D	8minutenergy Renewables, LLC	Kirkwood Solar Farm	Solar (PV)	No	Yes	60	170,341	32.41	12/31/2019	A PPA with Black Hills	\$36.23			25 years	No
1220-1E	8minutenergy Renewables, LLC	Kirkwood Solar Farm	Solar (PV)	No	Yes	60	170,341	32.41	12/31/2019	A PPA with Black Hills		\$30.42	2.0	25 years	No
1223-3	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2019	A PPA with Black Hills	\$34.86			25 years	No
1223-3A	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2019	A PPA with Black Hills		\$30.76	2.0	25 years	No
1223-3B	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2020	A PPA with Black Hills		\$29.76	2.0	25 years	No
1223-3C	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2020	A PPA with Black Hills	\$33.96			25 years	No
1223-3D	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2019	A PPA with Black Hills	\$33.84			20 years	No
1223-3E	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2019	A PPA with Black Hills		\$29.76	2.0	20 years	No
1223-3F	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2020	A PPA with Black Hills		\$28.76	2.0	20 years	No
1223-3G	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2020	A PPA with Black Hills	\$32.94			20 years	No
1223-3H	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2020	A PPA with Black Hills	\$32.35			15 years	No
1223-3I	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2020	A PPA with Black Hills		\$28.41	2.0	15 years	No
1223-3J	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	Yes	Yes	60	168,383	32.04	12/31/2020	A PPA with Black Hills	\$49.94			20 years	No
1223-3K	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	Yes	Yes	60	168,383	32.04	12/31/2019	A PPA with Black Hills	\$50.85			20 years	No
1223-4	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2019	A transfer of ownership to Black Hills					No
1223-4A	First Solar Development	Stagecoach Solar, LLC	Solar (PV)	No	Yes	60	168,383	32.04	12/31/2020	A transfer of ownership to Black Hills					No
1233-1	SunPower Corporation	Boone Solar Project	Solar (PV)	No	Yes	59.8	161,700	31.2	9/30/2019	A PPA with Black Hills	\$34.25			20 years	No
1233-2	SunPower Corporation	Boone Solar Project	Solar (PV)	No	Yes	59.8	161,700	31.2	9/30/2019	A transfer of ownership to Black Hills					No

Notes:

Note 1: Includes estimated cost of Firm Transmission service

Note 2: Bid 1045-1 was eliminated from consideration due to price and transmission contingencies. The price contingency required that Black Hills enter into an agreement for 60 MW of a 110 MW total project with the remaining 50MW being subscribed by another third party. The bidder has not obtained a firm commitment for the 50 MW capacity. In addition, the bid price was contingent on the planned Tri-State Generation & Transmission (TSGT) 230 kV transmission line being routed past the Project's point of interconnection and the price would be affected by any costs incurred to build a transmission line from the project to the TSGT line.

Note 3: Bid 1149-5 was offered at a capacity of 50 MW and 80 MW. In Black Hills' 2016 Electric Resource Plan proceeding the Colorado Public Utilities Commission (CPUC) issued Decision No. R17-0039 approving implementation of a Phase II competitive solicitation to acquire up to 60 MW of eligible energy resources. Consequently, the maximum project size the Company can acquire through the Eligible Energy Resources RFP is 60 MW. This capacity limit was reiterated during the Pre-Bid Webinar. The proposal that offers 80 MW of capacity exceeds the nameplate capacity cap that was approved by the Commission. Therefore, Black Hills will not evaluate the 80 MW wind proposal.

Note 4: Bid 1174-1 included a statement in the Pricing Section of the Bid Form that the bidder would consider selling the Solar Project to BHE through a transfer of ownership agreement. However, no further information was included in the proposal related to the Build-Transfer offer and the required Build-Transfer Pricing Form was not completed. Therefore, Black Hills will not evaluate a transfer of ownership option for this bid.

Note 5: Bid 1189-1 included PPA and Asset Sale offers for a 60 MW and 120 MW project in the Executive Summary. In Black Hills' 2016 Electric Resource Plan proceeding the Colorado Public Utilities Commission (CPUC) issued Decision No. R17-0039 approving implementation of a Phase II competitive solicitation to acquire up to 60 MW of eligible energy resources. Consequently, the maximum project size the Company can acquire through the Eligible Energy Resources RFP is 60 MW. This capacity limit was reiterated during the Pre-Bid Webinar. The proposal that offers 120 MW of capacity exceeds the nameplate capacity cap that was approved by the Commission. Therefore, Black Hills will not evaluate the 120 MW solar proposal.