

Staff Exhibit	Project Name	Fuel Type			Petition or Contract Negotiation Year	Commercial Operation Date	Contract Termination Date	Contracted Capacity (MW)	Forecast % of System Energy	Forecast % of System Capacity Obligation	2016 \$/MWh
Schedule 3 - Utility Scale Resources											
	Marshall Solar, LLC	Solar	Solar	E002/M-14-162	2014	1/6/2017	1/5/2042	62.25	0.27%	0.33%	NA (1-1)
	North Star Solar	Solar	Solar	E002/M-14-162	2014	12/21/2016	5/31/2042	100	0.45%	0.53%	NA (1-1)
	Aurora Distributed Solar	Solar	Solar	E002/M-12-1240	2014	12/31/2016	12/30/2036	100	0.45%	0.72%	NA (1-2)

(1-1) Energy received from Marshall Solar, LLC and North Star Solar was paid at the Test Energy Rate. North Star Solar achieved Commercial Operation on 12/31/2016 and Marshall Solar on 1/6/2017.
 (1-2) Aurora Solar resources achieved Commercial Operation during 1st and 2nd Quarters of 2017.

Staff Exhibit	Project Name	Fuel Type			Petition or Contract Negotiation Year	Commercial Operation Date	Contract Termination Date	Contracted Capacity (MW)	Forecast % of System Energy	Forecast % of System Capacity Obligation	2016 \$/MWh
Schedule 4 - CBED Resources											
JPT-2	Adams Wind Generations	Wind	CBED	E002/M-09-1366	2009	3/9/2011	3/8/2031	19.8	0.14%	0.04%	\$68.99
	Big Blue Wind Farm, LLC	Wind	CBED	E002/M-10-733	2010	12/31/2012	12/30/2032	36	0.28%	0.04%	\$51.42
	Danielson Wind Farms, LLC	Wind	CBED	E002/M-09-1367	2009	3/11/2011	3/10/2031	19.8	0.12%	0.03%	\$68.39
	Ewington Energy Systems, LLC	Wind	CBED	E002/M-06-1472	2006	5/28/2008	5/27/2028	19.95	0.16%	0.03%	\$44.00
	Grant County Windfarm, LLC	Wind	CBED	E002/M-06-1665	2009	8/9/2010	8/8/2030	20	0.15%	0.04%	\$69.10
	Hilltop Power, L.L.C.	Wind	CBED	E002/M-08-0047	2007	2/20/2009	2/19/2029	2	0.01%	0.00%	\$51.87
	Jeffers Wind Energy Center	Wind	CBED	E002/M-06-1234	2006	10/10/2008	10/9/2028	50	0.38%	0.06%	\$36.67
	North Community Turbines LLC	Wind	CBED	E002/M-10-734	2010	5/28/2011	5/27/2031	15	0.11%	0.02%	\$66.00
	North Wind Turbines LLC	Wind	CBED	E002/M-10-734	2010	5/28/2011	5/27/2031	15	0.11%	0.02%	\$66.00
	Ridgewind Power Partners, LLC	Wind	CBED	E002/M-08-1428	2008	1/13/2011	1/12/2031	25.3	0.16%	0.00%	\$67.78
	Uilk Wind Farm, LLC	Wind	CBED	E002/M-08-1502	2008	1/15/2010	1/14/2030	4.5	0.03%	0.01%	\$67.97
	Valley View Transmission	Wind	CBED	E002/M-08-1235	2008	11/30/2011	11/29/2031	10	0.07%	0.01%	\$65.41
	Winona County Wind LLC	Wind	CBED	E002/M-09-1247	2009	10/27/2011	10/26/2031	1.5	0.01%	0.00%	\$73.57
	Woodstock Municipal Wind, LLC	Wind	CBED	E002/M-09-1055	2009	6/24/2010	6/23/2030	0.75	0.01%	0.00%	\$68.09
	Zephyr Wind LLC	Wind	CBED	E002/M-11-801	2011	12/26/2012	12/25/2032	30.75	0.27%	0.00%	\$60.68

Staff Exhibit	Project Name	Fuel Type			Petition or Contract Negotiation Year	Commercial Operation Date	Contract Termination Date	Contracted Capacity (MW)	Forecast % of System Energy	Forecast % of System Capacity Obligation	2016 \$/MWh
Schedule 5 - RDF Resources											
JPT-3	Carleton College	Wind	RDF	2MW Standard Contract	2003	9/20/2004	9/19/2024	1.65	0.01%	0.00%	\$32.99
	Diamond K Dairy Inc.	Biomass	RDF	E002/M-10-486	2010	1/1/2015	12/30/2024	0.35	0.01%	0.00%	\$60.48
	Slayton Solar, LLC	Solar	RDF	E002/M-11-490	2010	1/1/2013	12/31/2032	1.66	0.00%	0.01%	\$113.75
	Best Power International LLC - Sr. Notre Dan	Solar	RDF	E002/M-15-619	2014	12/1/2015	11/29/2030	0.718	0.00%	0.00%	\$74.15
	Best Power International LLC - St. Johns	Solar	RDF	E002/M-09-1481	2009	5/27/2010	5/26/2030	0.5	0.00%	0.00%	\$106.34
	St. Olaf College	Wind	RDF	E002/M-07-97	2006	10/6/2008	10/5/2028	1.65	0.02%	0.00%	\$31.82

Staff Exhibit	Project Name	Fuel Type			Petition or Contract Negotiation Year	Commercial Operation Date	Contract Termination Date	Contracted Capacity (MW)	Forecast % of System Energy	Forecast % of System Capacity Obligation	2016 \$/MWh
Schedule 6 - Capacity PPAs and Biomass Resources											
JPT-4	Cannon Falls Energy Center (6-1)	Natural Gas	Capacity	E002/M-04-1426	2005	4/11/2008	4/10/2025	357	0.20%	3.27%	\$201.60
	Mankato Energy Center, L.L.C. (6-2)	Natural Gas	Capacity	E002/04-451	2004	1/1/2006	12/31/2025	375	1.49%	2.90%	\$68.13
	St. Paul Cogeneration	Biomass	Biomass	E002/M-96-1405	1998	4/13/2003	4/12/2023	25	0.36%	0.26%	\$149.97
	Benson Power, LLC (aka Fibrominn)	Biomass	Biomass	E002/M-00-1169 E002/M-11-198	2000	9/11/2007	9/9/2028	55	0.94%	0.50%	\$164.16
	Laurentian Energy Authority, L.L.C.	Biomass	Biomass	E002/M-04-91 E002/M-09-913	2005	1/1/2007	12/31/2026	35	0.59%	0.34%	\$120.70

(6-1) The 2016 \$/MWh represents the total cost, fuel clause and rate base components of these resources. The 2016 Fuel Clause portion of the recovery for Cannon Falls is \$47.79/MWh.
 (6-2) The 2016 \$/MWh represents the total cost, fuel clause and rate base components of these resources. The 2016 Fuel Clause portion of the recovery for Mankato Energy Center is \$26.06/MWh.