HeVoRa I Arnsberg-Müschede

KALENDERJAHR		JAN	FEB	MRZ	APR	MAI	JUN	JUL	AUG	SEP	OKT	NOV	DEZ	SUMME
Gesamtertrag seit Inbetriebnahme	kWh	1.795.501	1.427.368	1.150.239	775.295	741.014	649.349	711.353	624.337	716.679	1.257.632	1.480.492	1.833.598	13.162.967
Durchschnittsertrag*	kWh	**89.775**	**71.368**	**57.512**	**38.765**	**37.051**	**32.467**	**35.568**	**31.217**	**35.834**	**60.616**	**69.400**	**89.813**	**649.392**
Durchschnittliche Verfügbarkeit	%	97,1%	98,0%	97,8%	99,0%	98,8%	99,0%	98,3%	98,6%	98,6%	97,9%	99,1%	97,8%	98,3%

* Für den Durchschnittsertrag werden nur volle Betriebsjahre berücksichtigt.

Angaben zur Windkraftanlage				
WKA-Typ:	Enercon E-40	Rotor-Ø:	40,3 m	Nabenhöhe: 65,0 m
Leistung:	0,5 MW	Rotorfläche:	1.275 m²	Baujahr: 10/1996

1996	kWh	0	0	0	0	0	0	0	0	0	45.305	92.493	37.330	**175.128**
	Verf.	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	85,4%	99,8%	99,7%	95,0%
1997	kWh	20.793	126.273	54.576	46.971	36.731	40.719	20.389	18.436	26.628	49.564	55.187	92.661	**588.928**
	Verf.	99,7%	97,8%	99,9%	99,9%	99,3%	99,8%	99,9%	95,2%	99,4%	88,2%	100,0%	100,0%	98,3%
1998	kWh	117.693	66.497	77.718	59.483	22.717	38.533	53.011	36.190	50.567	115.851	47.815	98.256	**784.331**
	Verf.	99,4%	99,9%	98,7%	98,7%	99,6%	99,2%	99,6%	98,8%	99,0%	98,5%	99,8%	98,7%	99,2%
1999	kWh	113.648	84.720	54.346	36.938	29.605	37.561	28.646	37.054	38.686	64.691	72.752	132.631	**731.278**
	Verf.	97,6%	99,7%	96,0%	98,8%	93,7%	98,6%	98,8%	98,9%	99,9%	99,9%	99,6%	99,6%	98,4%
2000	kWh	84.398	106.859	83.988	39.142	39.126	30.312	32.598	17.159	30.127	87.480	109.037	99.950	**760.176**
	Verf.	94,3%	100,0%	97,6%	99,8%	99,9%	96,8%	99,3%	99,1%	99,9%	100,0%	98,8%	100,0%	98,8%
2001	kWh	71.518	61.152	52.026	56.856	36.836	29.706	39.483	34.322	60.416	72.655	49.350	73.567	**637.887**
	Verf.	99,9%	99,9%	99,5%	100,0%	99,9%	97,9%	99,7%	99,9%	99,9%	99,2%	99,6%	98,3%	99,5%
2002	kWh	105.101	117.608	59.140	40.545	33.082	30.593	36.053	11.002	16.544	82.282	52.149	38.042	**622.141**
	Verf.	100,0%	86,0%	99,2%	99,9%	99,9%	99,7%	84,1%	99,9%	99,2%	98,4%	98,5%	99,3%	97,0%
2003	kWh	82.206	29.231	33.364	44.591	43.089	25.165	27.034	14.119	22.732	47.479	64.965	94.106	**528.081**
	Verf.	98,8%	98,9%	99,7%	99,7%	99,3%	99,3%	98,3%	99,6%	97,3%	99,1%	99,9%	99,7%	99,1%
2004	kWh	98.448	80.712	51.856	32.971	22.961	42.303	36.887	44.676	62.127	60.671	54.942	65.902	**654.456**
	Verf.	98,9%	99,7%	99,8%	98,2%	98,5%	99,4%	99,7%	99,7%	99,8%	99,9%	99,9%	99,2%	99,4%
2005	kWh	119.880	43.756	51.704	24.468	32.305	21.414	36.459	25.850	20.846	51.475	70.774	64.640	**563.571**
	Verf.	98,2%	99,9%	99,8%	99,8%	99,8%	98,4%	99,2%	98,5%	97,2%	99,9%	99,1%	99,1%	99,1%
2006	kWh	39.644	50.184	55.940	41.978	66.838	20.843	15.569	37.148	27.926	81.514	102.556	114.778	**654.918**
	Verf.	99,9%	98,9%	99,7%	99,8%	96,6%	99,6%	98,8%	99,1%	98,9%	99,3%	99,4%	98,8%	99,1%
2007	kWh	152.380	61.038	66.720	22.880	53.304	41.316	57.988	28.901	42.592	22.347	78.797	95.202	**723.465**
	Verf.	99,4%	99,8%	98,4%	99,6%	98,5%	98,8%	97,9%	99,7%	98,8%	98,5%	99,6%	99,8%	99,1%
2008	kWh	144.587	74.995	111.171	27.740	22.305	28.188	40.807	54.347	41.909	67.655	70.480	39.058	**723.242**
	Verf.	99,8%	99,3%	99,8%	99,3%	99,7%	98,6%	98,9%	99,7%	98,8%	99,9%	99,0%	99,9%	99,4%
2009	kWh	63.248	46.799	63.715	22.376	40.413	32.292	49.670	23.267	26.644	52.323	125.668	76.463	**622.878**
	Verf.	99,7%	99,8%	91,6%	99,7%	99,7%	98,8%	98,9%	99,6%	97,3%	94,3%	98,5%	99,9%	98,1%
2010	kWh	31.416	65.250	59.961	35.876	23.114	23.359	20.365	39.506	34.339	60.519	62.500	41.991	**498.196**
	Verf.	76,7%	99,3%	99,9%	98,9%	98,9%	99,6%	99,7%	95,6%	93,9%	98,3%	96,4%	73,5%	94,2%
2011	kWh	66.974	65.345	34.201	35.936	40.293	42.762	48.173	43.310	51.423	62.043	42.283	146.926	**679.669**
	Verf.	99,8%	99,8%	99,3%	99,6%	99,7%	99,1%	97,9%	98,8%	99,7%	99,5%	99,8%	99,2%	99,3%
2012	kWh	107.128	45.128	39.099	50.869	34.355	48.698	42.136	28.774	40.618	68.669	63.045	100.240	**668.759**
	Verf.	98,3%	99,3%	97,2%	99,0%	98,3%	99,8%	98,5%	99,0%	99,9%	99,4%	99,8%	98,0%	98,9%
2013	kWh	64.977	35.207	34.080	40.690	36.087	42.712	27.853	23.504	35.047	79.570	58.306	120.712	**598.745**
	Verf.	90,7%	94,0%	85,3%	90,8%	99,1%	99,7%	98,8%	99,8%	99,7%	95,7%	99,8%	94,7%	95,7%
2014	kWh	95.438	120.117	43.771	31.305	41.831	16.554	17.901	43.027	14.507	47.295	40.582	109.463	**621.791**
	Verf.	99,1%	99,8%	98,6%	99,1%	97,1%	98,8%	99,7%	93,5%	94,4%	92,9%	98,9%	99,6%	97,6%
2015	kWh	122.713	54.559	71.865	35.909	53.338	31.814	48.011	29.947	48.681	15.601	115.796	132.285	**760.519**
	Verf.	98,4%	99,7%	99,7%	98,7%	99,7%	99,4%	98,0%	97,9%	99,8%	97,7%	98,0%	99,7%	98,9%
2016	kWh	93.311	91.938	50.998	47.771	32.684	24.505	32.320	33.798	24.320	22.643	51.015	59.395	**564.698**
	Verf.	94,1%	88,7%	96,1%	99,9%	99,2%	99,5%	99,6%	99,7%	98,7%	99,8%	97,4%	98,0%	97,6%