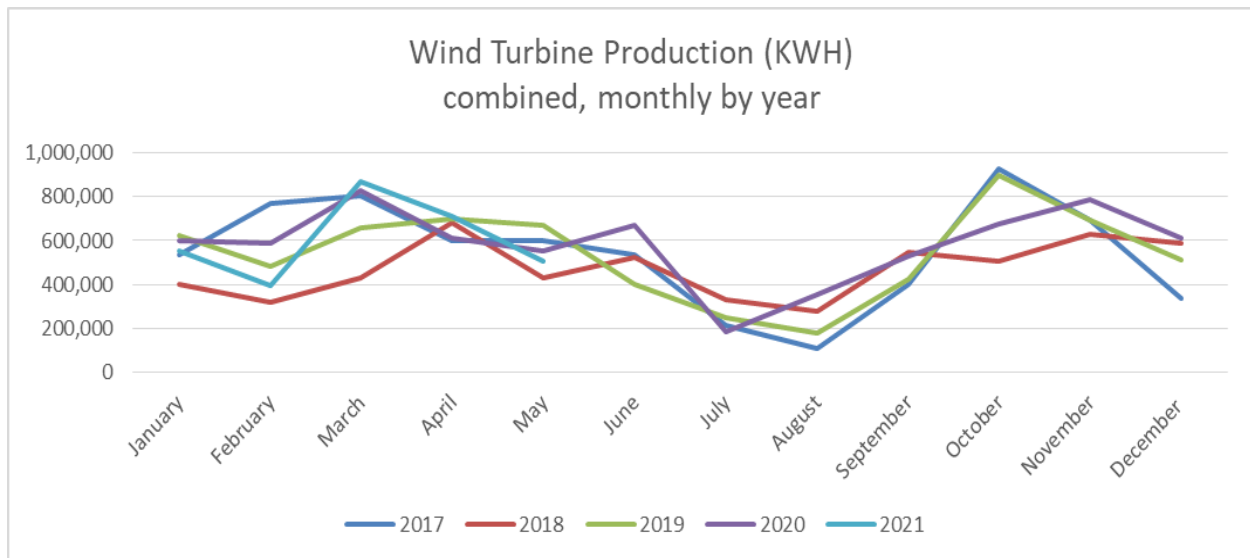




WILLMAR MUNICIPAL UTILITIES

May 2021 Wind Turbine Report

“Willmar Municipal Utilities will provide safe, reliable & quality utility services at competitive rates for their customers.”



| | Production (KWH) | | Availability (%) | | Total | Major Outages |
|------------|------------------|-----------|------------------|------|-----------|-------------------------------|
| | #3 | #4 | #3 | #4 | KWH | |
| May 2021 | 247,196 | 261,855 | 99.8 | 99.0 | 509,051 | |
| April 2021 | 351,367 | 358,272 | 99.4 | 99.5 | 709,639 | |
| Mar 2021 | 521,031 | 345,469 | 99.5 | 75.0 | 866,500 | #4 gearbox speed sensor fault |
| Feb 2021 | 218,288 | 179,581 | 77.3 | 83.5 | 397,869 | |
| Jan 2021 | 263,950 | 287,559 | 98.1 | 99.2 | 551,509 | |
| Dec 2020 | 292,905 | 320,403 | 92.9 | 97.2 | 613,308 | |
| Nov 2020 | 338,578 | 449,624 | 73.7 | 95.3 | 788,202 | #3 Electrical Fault |
| Oct 2020 | 319,328 | 356,215 | 94.8 | 97.2 | 675,543 | |
| Sept 2020 | 253,039 | 278,032 | 95.2 | 96.1 | 531,071 | |
| Aug 2020 | 179,044 | 173,200 | 96.3 | 91.5 | 352,244 | #3 Blade and Hub damage |
| July 2020 | 40,398 | 144,376 | 59.2 | 86.2 | 184,774 | |
| June 2020 | 311,237 | 356,661 | 97.7 | 94.7 | 667,898 | |
| May 2020 | 274,916 | 277,606 | 97.1 | 96.1 | 552,522 | |
| 2021 Total | 1,601,832 | 1,432,736 | | | 3,034,568 | |

| Month | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------|------------------|------------------|------------------|------------------|------------------|
| January | 534,867 | 398,844 | 624,884 | 598,668 | 551,509 |
| February | 771,227 | 317,618 | 484,162 | 590,960 | 397,869 |
| March | 806,936 | 432,165 | 656,272 | 827,205 | 866,500 |
| April | 601,823 | 681,026 | 699,956 | 611,169 | 709,639 |
| May | 598,108 | 427,219 | 668,434 | 552,522 | 509,051 |
| June | 534,662 | 523,406 | 400,456 | 667,898 | |
| July | 214,304 | 330,556 | 247,502 | 184,774 | |
| August | 109,215 | 278,651 | 176,047 | 352,244 | |
| September | 400,210 | 545,469 | 426,860 | 531,071 | |
| October | 925,000 | 505,906 | 895,781 | 675,543 | |
| November | 690,847 | 628,416 | 695,008 | 788,202 | |
| December | 338,980 | 587,263 | 514,858 | 613,308 | |
| Total | 6,526,179 | 5,656,539 | 6,490,220 | 6,993,564 | 3,034,568 |

