

EXHIBIT D

Deuel Harvest North Wind Farm
Deuel Harvest Wind Energy LLC
Pre-Construction Shadow Flicker Study (Updated Study 3)
Date: April 2, 2020
Docket: EL-18-053

| Receptor | Status | Easting (UTM 14) | Northing (UTM 14) | Ground Elevation (m) | Expected Annual Shadow Flicker Hours |
|----------|-------------------|---------------------|----------------------|-------------------------|---|
| 3 | Non-Participating | 683223 | 4963726 | 567 | 0:00 |
| 4 | Non-Participating | 699672 | 4962706 | 491 | 0:00 |
| 5 | Non-Participating | 696155 | 4962600 | 513 | 0:04 |
| 6 | Non-Participating | 695975 | 4961104 | 503 | 0:00 |
| 191 | Non-Participating | 683121 | 4963032 | 560 | 0:00 |
| 192 | Non-Participating | 683367 | 4963367 | 561 | 0:00 |
| 193 | Non-Participating | 683472 | 4962461 | 558 | 0:00 |
| 194 | Non-Participating | 690894 | 4963517 | 527 | 0:00 |
| 195 | Non-Participating | 693658 | 4960634 | 516 | 0:00 |
| 196 | Non-Participating | 694600 | 4961061 | 507 | 0:00 |
| 197 | Non-Participating | 694375 | 4961365 | 507 | 0:00 |
| 198 | Non-Participating | 694692 | 4962542 | 505 | 0:00 |
| 199 | Non-Participating | 698259 | 4963973 | 491 | 0:18 |
| 200 | Non-Participating | 696362 | 4962729 | 509 | 3:13 |
| 201 | Non-Participating | 697509 | 4962861 | 505 | 1:36 |
| 202 | Non-Participating | 695439 | 4962490 | 511 | 0:00 |
| 203 | Non-Participating | 695645 | 4962537 | 510 | 0:00 |
| 204 | Non-Participating | 696067 | 4962192 | 509 | 0:00 |
| 205 | Non-Participating | 698033 | 4962046 | 494 | 0:00 |
| 207 | Non-Participating | 698494 | 4961053 | 498 | 0:00 |
| 225 | Non-Participating | 676853 | 4976229 | 580 | 0:00 |
| 226 | Non-Participating | 678135 | 4982122 | 516 | 0:00 |
| 227 | Non-Participating | 679674 | 4983073 | 514 | 0:00 |
| 228 | Non-Participating | 678464 | 4984192 | 519 | 0:00 |
| 229 | Non-Participating | 682307 | 4983747 | 488 | 0:00 |
| 231 | Non-Participating | 682450 | 4979759 | 516 | 2:06 |
| 232 | Participating | 683016 | 4979077 | 517 | 14:44 |
| 233 | Non-Participating | 684511 | 4978630 | 507 | 2:49 |
| 234 | Non-Participating | 683614 | 4973334 | 525 | 0:00 |
| 235 | Non-Participating | 683053 | 4969806 | 546 | 0:00 |
| 236 | Participating | 684245 | 4968817 | 543 | 0:00 |
| 237 | Participating | 683202 | 4968178 | 555 | 0:03 |
| 238 | Participating | 683105 | 4968328 | 552 | 0:00 |
| 239 | Non-Participating | 683016 | 4967807 | 559 | 0:00 |
| 240 | Non-Participating | 682675 | 4967857 | 561 | 0:00 |
| 241 | Non-Participating | 682639 | 4967748 | 565 | 0:00 |
| 242 | Non-Participating | 682713 | 4967753 | 566 | 0:00 |
| 243 | Non-Participating | 682794 | 4967839 | 563 | 0:00 |

| Receptor | Status | Easting (UTM 14) | Northing (UTM 14) | Ground Elevation (m) | Expected Annual Shadow Flicker Hours |
|----------|-------------------|------------------|-------------------|----------------------|--------------------------------------|
| 244 | Non-Participating | 682755 | 4967758 | 567 | 0:00 |
| 245 | Non-Participating | 682689 | 4967819 | 562 | 0:00 |
| 246 | Non-Participating | 682831 | 4967838 | 562 | 0:00 |
| 247 | Participating | 682193 | 4968103 | 561 | 0:00 |
| 248 | Non-Participating | 682502 | 4967842 | 561 | 0:00 |
| 249 | Non-Participating | 682496 | 4967799 | 562 | 0:00 |
| 250 | Non-Participating | 682553 | 4967662 | 566 | 0:00 |
| 251 | Non-Participating | 682698 | 4967682 | 567 | 0:00 |
| 252 | Non-Participating | 682688 | 4967635 | 567 | 0:00 |
| 253 | Non-Participating | 682600 | 4967649 | 567 | 0:00 |
| 255 | Non-Participating | 682570 | 4967398 | 571 | 0:00 |
| 256 | Non-Participating | 684963 | 4970141 | 532 | 0:00 |
| 257 | Non-Participating | 686461 | 4973411 | 521 | 0:00 |
| 258 | Non-Participating | 688454 | 4973580 | 513 | 2:17 |
| 259 | Non-Participating | 688112 | 4975133 | 509 | 21:04 |
| 263 | Non-Participating | 684869 | 4982990 | 485 | 0:00 |
| 264 | Non-Participating | 686291 | 4983273 | 476 | 0:00 |
| 265 | Non-Participating | 687204 | 4983064 | 461 | 0:00 |
| 267 | Non-Participating | 687636 | 4981940 | 470 | 0:00 |
| 268 | Non-Participating | 687926 | 4980067 | 480 | 0:22 |
| 269 | Non-Participating | 686173 | 4981375 | 485 | 0:00 |
| 270 | Non-Participating | 687442 | 4979742 | 489 | 1:19 |
| 271 | Non-Participating | 688049 | 4979385 | 487 | 0:14 |
| 272 | Non-Participating | 686208 | 4979503 | 499 | 5:01 |
| 273 | Non-Participating | 687721 | 4979046 | 494 | 2:08 |
| 274 | Non-Participating | 687963 | 4978543 | 494 | 1:48 |
| 275 | Non-Participating | 686545 | 4978326 | 503 | 0:22 |
| 276 | Non-Participating | 684797 | 4978196 | 506 | 3:46 |
| 278 | Non-Participating | 690981 | 4980570 | 431 | 0:00 |
| 279 | Non-Participating | 691674 | 4980087 | 425 | 0:00 |
| 280 | Non-Participating | 690024 | 4979348 | 467 | 0:00 |
| 281 | Non-Participating | 692582 | 4979132 | 423 | 0:00 |
| 282 | Participating | 693123 | 4978509 | 424 | 0:00 |
| 283 | Non-Participating | 694403 | 4978773 | 404 | 0:00 |
| 284 | Non-Participating | 692812 | 4977723 | 431 | 2:37 |
| 285 | Non-Participating | 692820 | 4977636 | 430 | 2:13 |
| 286 | Participating | 691313 | 4976830 | 472 | 1:37 |
| 287 | Non-Participating | 689844 | 4976580 | 491 | 6:05 |
| 288 | Participating | 690305 | 4973639 | 504 | 1:37 |
| 289 | Non-Participating | 690204 | 4973129 | 509 | 1:02 |
| 290 | Participating | 692830 | 4974347 | 472 | 10:25 |
| 291 | Participating | 693520 | 4972863 | 476 | 12:06 |
| 292 | Non-Participating | 692649 | 4969610 | 491 | 16:59 |
| 293 | Non-Participating | 691851 | 4967303 | 524 | 8:43 |
| 294 | Non-Participating | 692665 | 4967084 | 508 | 21:44 |

| Receptor | Status | Easting (UTM 14) | Northing (UTM 14) | Ground Elevation (m) | Expected Annual Shadow Flicker Hours |
|----------|-------------------|------------------|-------------------|----------------------|--------------------------------------|
| 295 | Non-Participating | 697618 | 4975422 | 394 | 0:00 |
| 297 | Non-Participating | 701253 | 4974308 | 367 | 0:00 |
| 299 | Non-Participating | 701813 | 4972806 | 369 | 0:00 |
| 300 | Non-Participating | 701946 | 4971621 | 377 | 0:00 |
| 301 | Non-Participating | 702056 | 4970870 | 369 | 0:00 |
| 302 | Non-Participating | 702305 | 4970792 | 379 | 0:00 |
| 303 | Non-Participating | 701907 | 4968451 | 391 | 0:00 |
| 304 | Non-Participating | 699056 | 4968082 | 441 | 0:00 |
| 305 | Non-Participating | 699214 | 4969952 | 424 | 1:50 |
| 306 | Non-Participating | 699065 | 4969818 | 425 | 1:11 |
| 312 | Non-Participating | 694398 | 4979727 | 400 | 0:00 |
| 313 | Non-Participating | 702340 | 4968613 | 397 | 0:00 |
| 314 | Non-Participating | 699535 | 4965118 | 443 | 0:00 |
| 315 | Non-Participating | 699248 | 4965104 | 464 | 0:00 |
| 316 | Non-Participating | 699274 | 4964989 | 455 | 0:00 |
| 317 | Non-Participating | 699510 | 4965357 | 457 | 0:00 |
| 318 | Non-Participating | 699184 | 4965340 | 452 | 0:00 |
| 319 | Non-Participating | 698631 | 4965644 | 462 | 0:50 |
| 320 | Participating | 692686 | 4965034 | 511 | 1:09 |
| 321 | Non-Participating | 683225 | 4966963 | 563 | 0:03 |
| 324 | Non-Participating | 700890 | 4973720 | 372 | 0:00 |
| 325 | Non-Participating | 695248 | 4976837 | 410 | 4:55 |
| 326 | Non-Participating | 695494 | 4977161 | 403 | 2:04 |
| 327 | Non-Participating | 699753 | 4975983 | 370 | 0:00 |
| 331 | Non-Participating | 702530 | 4965693 | 405 | 0:00 |
| 332 | Non-Participating | 698214 | 4964717 | 483 | 0:15 |
| 333 | Participating | 683349 | 4965409 | 579 | 0:00 |
| 334 | Non-Participating | 683171 | 4965365 | 577 | 0:00 |
| 335 | Non-Participating | 683454 | 4964615 | 564 | 0:00 |
| 340 | Non-Participating | 687436 | 4963949 | 526 | 0:00 |
| 341 | Non-Participating | 693591 | 4963893 | 504 | 8:02 |
| 487 | Non-Participating | 696907 | 4961027 | 498 | 0:00 |
| 491 | Participating | 683039 | 4973297 | 524 | 0:00 |
| 492 | Non-Participating | 702697 | 4971147 | 374 | 0:00 |
| 494 | Non-Participating | 682785 | 4967785 | 566 | 0:00 |
| 495 | Non-Participating | 682367 | 4967893 | 557 | 0:00 |
| 496 | Non-Participating | 682741 | 4967851 | 563 | 0:00 |
| 498 | Participating | 682947 | 4963870 | 565 | 0:00 |
| 499 | Non-Participating | 694354 | 4962560 | 510 | 0:08 |
| 596 | Non-Participating | 684871 | 4982990 | 485 | 0:00 |
| 598 | Non-Participating | 699800 | 4962703 | 491 | 0:00 |
| 681 | Participating | 678753 | 4971111 | 573 | 0:00 |
| 682 | Participating | 679475 | 4970841 | 579 | 0:00 |
| 683 | Participating | 677625 | 4978124 | 556 | 0:00 |
| 684 | Participating | 679117 | 4978144 | 537 | 0:42 |

| Receptor | Status | Easting (UTM 14) | Northing (UTM 14) | Ground Elevation (m) | Expected Annual Shadow Flicker Hours |
|----------|-------------------|------------------|-------------------|----------------------|--------------------------------------|
| 685 | Participating | 678281 | 4980416 | 529 | 0:00 |
| 686 | Participating | 680799 | 4982675 | 503 | 0:00 |
| 687 | Participating | 682005 | 4981475 | 511 | 0:00 |
| 688 | Participating | 681368 | 4980996 | 522 | 0:00 |
| 690 | Participating | 683254 | 4979073 | 514 | 17:47 |
| 691 | Participating | 681474 | 4977172 | 531 | 13:12 |
| 692 | Participating | 683177 | 4978266 | 516 | 25:57 |
| 693 | Participating | 683042 | 4977308 | 522 | 2:08 |
| 694 | Non-Participating | 683066 | 4976707 | 520 | 8:27 |
| 695 | Participating | 683811 | 4976537 | 523 | 6:47 |
| 696 | Participating | 683233 | 4975874 | 524 | 21:00 |
| 697 | Participating | 683292 | 4975394 | 522 | 14:10 |
| 698 | Participating | 683113 | 4974215 | 526 | 23:39 |
| 699 | Participating | 683050 | 4973378 | 526 | 0:12 |
| 700 | Non-Participating | 684197 | 4973476 | 523 | 1:38 |
| 701 | Participating | 682141 | 4973482 | 531 | 0:00 |
| 702 | Participating | 681351 | 4973209 | 542 | 0:00 |
| 703 | Participating | 683469 | 4972089 | 531 | 0:00 |
| 704 | Participating | 684053 | 4972124 | 527 | 0:00 |
| 705 | Participating | 683358 | 4971312 | 537 | 0:00 |
| 706 | Participating | 680530 | 4970175 | 576 | 0:00 |
| 707 | Participating | 681527 | 4969395 | 571 | 0:00 |
| 708 | Participating | 681439 | 4968478 | 583 | 0:00 |
| 709 | Participating | 681727 | 4968780 | 563 | 0:00 |
| 710 | Participating | 683243 | 4968751 | 543 | 0:00 |
| 711 | Participating | 683072 | 4968840 | 542 | 0:00 |
| 712 | Participating | 686007 | 4968526 | 530 | 0:10 |
| 713 | Participating | 687277 | 4967856 | 525 | 14:14 |
| 715 | Participating | 687994 | 4967739 | 519 | 18:11 |
| 716 | Participating | 689009 | 4967501 | 515 | 25:23 |
| 717 | Participating | 689189 | 4967555 | 515 | 22:02 |
| 718 | Participating | 686844 | 4969130 | 522 | 0:00 |
| 719 | Participating | 685405 | 4970407 | 528 | 0:00 |
| 720 | Participating | 686371 | 4970494 | 530 | 0:00 |
| 721 | Participating | 688036 | 4970732 | 520 | 0:00 |
| 722 | Participating | 687188 | 4970836 | 522 | 0:00 |
| 723 | Participating | 687113 | 4970889 | 519 | 0:00 |
| 724 | Non-Participating | 686903 | 4971039 | 523 | 0:00 |
| 725 | Non-Participating | 686879 | 4971059 | 523 | 0:00 |
| 726 | Non-Participating | 686858 | 4971086 | 520 | 0:00 |
| 727 | Participating | 686840 | 4971175 | 517 | 0:00 |
| 728 | Participating | 685684 | 4971347 | 525 | 0:00 |
| 729 | Participating | 685738 | 4971385 | 525 | 0:00 |
| 730 | Participating | 685438 | 4973071 | 521 | 0:00 |
| 731 | Participating | 684986 | 4973346 | 522 | 0:21 |

| Receptor | Status | Easting (UTM 14) | Northing (UTM 14) | Ground Elevation (m) | Expected Annual Shadow Flicker Hours |
|----------|-------------------|------------------|-------------------|----------------------|--------------------------------------|
| 732 | Non-Participating | 688701 | 4973465 | 514 | 0:14 |
| 734 | Participating | 688118 | 4976155 | 506 | 21:33 |
| 735 | Participating | 686068 | 4982710 | 486 | 0:00 |
| 736 | Participating | 688032 | 4980926 | 477 | 0:00 |
| 737 | Participating | 689311 | 4981492 | 438 | 0:00 |
| 738 | Participating | 686192 | 4978291 | 504 | 0:00 |
| 739 | Participating | 692721 | 4977888 | 430 | 0:11 |
| 740 | Participating | 693555 | 4976821 | 430 | 15:03 |
| 741 | Participating | 693459 | 4973767 | 467 | 24:03 |
| 742 | Participating | 692709 | 4975986 | 462 | 14:11 |
| 743 | Participating | 691213 | 4974762 | 488 | 11:46 |
| 744 | Participating | 689627 | 4974245 | 498 | 7:07 |
| 745 | Participating | 692529 | 4971903 | 500 | 7:40 |
| 746 | Participating | 690138 | 4972500 | 509 | 0:26 |
| 747 | Non-Participating | 690288 | 4971428 | 507 | 1:17 |
| 748 | Non-Participating | 690240 | 4971667 | 506 | 0:45 |
| 749 | Non-Participating | 690160 | 4971684 | 505 | 0:35 |
| 750 | Participating | 693991 | 4970730 | 486 | 8:12 |
| 751 | Participating | 689816 | 4968557 | 516 | 1:11 |
| 752 | Participating | 690566 | 4968730 | 503 | 20:06 |
| 753 | Participating | 692928 | 4967345 | 506 | 12:10 |
| 754 | Participating | 698403 | 4974533 | 394 | 23:37 |
| 755 | Participating | 700129 | 4973909 | 378 | 0:33 |
| 756 | Participating | 700246 | 4967543 | 421 | 0:00 |
| 757 | Participating | 699333 | 4967582 | 445 | 0:00 |
| 758 | Participating | 700599 | 4973713 | 374 | 0:00 |
| 759 | Participating | 699387 | 4972695 | 395 | 1:35 |
| 760 | Participating | 698926 | 4971866 | 408 | 0:47 |
| 761 | Participating | 698874 | 4971975 | 395 | 1:01 |
| 762 | Participating | 699187 | 4971136 | 413 | 1:48 |
| 763 | Participating | 699090 | 4970287 | 423 | 1:52 |
| 764 | Participating | 697449 | 4971401 | 426 | 9:08 |
| 765 | Participating | 695958 | 4970746 | 457 | 14:32 |
| 766 | Participating | 695570 | 4969140 | 485 | 2:52 |
| 767 | Participating | 684839 | 4976774 | 513 | 18:06 |
| 768 | Participating | 679946 | 4974799 | 547 | 8:14 |
| 769 | Participating | 695981 | 4962736 | 510 | 1:28 |
| 770 | Participating | 694456 | 4964843 | 513 | 21:16 |
| 771 | Participating | 689468 | 4966375 | 529 | 25:22 |
| 772 | Participating | 690353 | 4965883 | 513 | 2:48 |
| 773 | Participating | 683128 | 4966458 | 576 | 0:00 |
| 775 | Participating | 682308 | 4965389 | 577 | 0:00 |
| 778 | Participating | 684792 | 4968834 | 537 | 0:00 |
| 779 | Non-Participating | 686978 | 4971008 | 521 | 0:00 |
| 780 | Participating | 687065 | 4970935 | 520 | 0:00 |

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|----------|-------------------|---------------------|----------------------|-------------------------|---|
| 781 | Participating | 685764 | 4973353 | 516 | 0:00 |
| 782 | Participating | 694756 | 4976632 | 420 | 24:57 |
| 783 | Participating | 701420 | 4965944 | 414 | 0:00 |
| 786 | Participating | 687093 | 4970914 | 519 | 0:00 |
| 787 | Participating | 687148 | 4970867 | 521 | 0:00 |
| 788 | Participating | 687225 | 4970791 | 520 | 0:00 |
| 790 | Participating | 699305 | 4967020 | 451 | 0:00 |
| 791 | Participating | 689508 | 4965573 | 513 | 0:00 |
| 797 | Participating | 683096 | 4968817 | 542 | 0:00 |
| 798 | Participating | 685563 | 4968828 | 532 | 0:00 |
| 802 | Participating | 698306 | 4973333 | 403 | 15:19 |
| 803 | Non-Participating | 697749 | 4964533 | 483 | 1:40 |
| 804 | Participating | 684748 | 4975618 | 520 | 25:48 |
| 805 | Participating | 698210 | 4970836 | 422 | 5:08 |
| 806 | Participating | 689275 | 4966996 | 521 | 19:38 |
| 807 | Participating | 685211 | 4979799 | 499 | 20:43 |