



| MEETING | DATE | TIME | LOCATION |
|-------------------------|-----------------------------|-----------|--|
| Joint Sanitary District | Tuesday, September 15, 2020 | 6:30 p.m. | VIRTUAL MEETING 1900 W. Grand Chute Blvd. |

****VIRTUAL MEETING PARTICIPATION OPTIONS****

Web Access:

<https://grandchute.my.webex.com/grandchute.my/j.php?MTID=m97ee0d5a3c80813cd8b499a8e4907f9b>

Access Code: 620 057 177

Meeting Password: 1900

Telephone Access:

Dial: (408) 418-9388

Access Code: 620 057 177

Meeting Password: 1900

PLEASE STAY CONNECTED AFTER THE SAN MEETING FOR THE TOWN BOARD MEETING

- A. CALL TO ORDER/ROLL CALL
- B. APPROVAL OF AGENDA/ORDER OF THE DAY
- C. PUBLIC INPUT **No public comment** will be permitted at this meeting out of a concern for fairness and safety as many attendees will be attending remotely without any meaningful ability to participate.
- D. CONSENT AGENDA
(Items on the Consent Agenda are routine in nature and require one motion to approve all items listed. Prior to voting on the Consent Agenda, items on the Consent Agenda may be removed at the request of any Supervisor and addressed immediately following the motion to approve the other items on the Consent Agenda.)
 - 1. Approve regular joint meeting minutes – September 1, 2020
 - 2. Accept Monthly Report – August 2020
 - 3. Accept PSC Conventional Rate Case Analysis
- E. FINANCIAL REPORTS
 - 1. Approval of Voucher List – September 15, 2020
 - 2. Accept Budget Statement – August 2020
- F. NEW BUSINESS
 - 1. Authorization to purchase a 2020 Cummins 50/60 Hz-150kW diesel generator from Cummins, Inc. at a state bid of \$86,912.68 (budgeted item).
- G. ADJOURNMENT

PLEASE STAY CONNECTED AFTER THE SAN MEETING FOR THE TOWN BOARD MEETING

Public Notice: Agendas are posted in the following locations: Town Hall bulletin boards & Town website www.grandchute.net 2015 Wisconsin Act 79 allows the publication of certain legal notices on an Internet site maintained by a municipality. This law allows these types of legal notices to be posted in one physical location in the jurisdiction (instead of three) if also placed on an Internet site maintained by the local government.

Special Accommodations: Requests from persons with disabilities who need assistance to participate in this meeting should be made to the Clerk's Office at (920-832-5644) with at least 24-hour notice.

Notice of Possible Quorum: A quorum of the Town Board, Plan Commission, Board of Review, Licensing Committee, Parks Commission, Community Development Authority, Joint Review Board, Zoning Board of Appeals and/or Police and Fire Commission may be present at this meeting for the purpose of gathering information and possible discussion on items listed on this agenda. However, unless otherwise noted in this agenda, no official action by the Town Board, Plan Commission, Board of Review, Licensing Committee, Parks Commission, Joint Review Board, Zoning Board of Appeals and/or Police and Fire Commission will be taken at this meeting.

VIRTUAL JOINT REGULAR MEETING – SANITARY DISTRICT NO. 1, NO. 2, NO. 3 & EAST SIDE UTILITY DISTRICT – 1900 W. GRAND CHUTE BLVD., GRAND CHUTE, WI – SEPTEMBER 1, 2020

CALL TO ORDER/ROLL CALL

Virtual meeting called to order at 6:33 p.m. by Dave Schowalter, presiding officer.

PRESENT: Dave Schowalter, Brad Gehring, Jeff Ings, Jeff Nooyen, Travis Thyssen, and Angie Cain, Town Clerk

STAFF: Jim March, Town Administrator; Robert Buckingham, Community Development Director; Tim Bantes, Fire Chief; Greg Peterson, Police Chief; Brent Braun, IT Director; Katie Schwartz, Director of Public Works; Julie Wahlen, Finance Director; Mike Patza, Town Planner; Karen Heyrman, Deputy Director of Public Works; Atty. Rossmeissl, Herrling Clark Law Offices; and Nick Vande Hey, McMahon

OTHERS: 2 in attendance (virtually)

APPROVAL OF AGENDA/ORDER OF THE DAY

Motion (Thyssen/Nooyen) to approve the agenda as printed. Motion carried.

PUBLIC INPUT – There was no public input.

CONSENT AGENDA

Approve Regular Joint Meeting minutes – August 18, 2020

Motion (Gehring/Nooyen) to approve the consent agenda. Motion carried.

FINANCIAL REPORTS

Approval of Voucher Lists – September 1, 2020
San 1, 2, 3 & East Side – \$179,824.67 ACH – \$662,837.28

Motion (Thyssen/Ings) to approve the voucher list. Motion carried.

NEW BUSINESS

Approve the FVTC pond spillway rehabilitation and maintenance project.

Motion (Nooyen/Thyssen) to approve.

Supv. Ings asked if they knew what caused the problem.

Dir. Schwartz explained that they needed to clear the silt and do some investigating before they have a definite reason of what caused the issue.

Motion carried.

ADJOURNMENT

Motion (Thyssen/Ings) to adjourn. Motion carried.

Meeting adjourned 6:37 p.m.

These minutes were taken at a regular meeting held on September 1, 2020 and entered in this record book, September 2, 2020 by:

Angie Cain, Town Clerk
Joint Sanitary District No. 1, No. 2, No. 3 & East Side Utility District
INITIAL DRAFT



Sanitary District No. 1 & 2 Monthly Report August 2020

| | |
|--------------------------------|-------|
| UTILITY LOCATES | 395 |
| SERVICE CONNECTION PERMITS | |
| WATER..... | 7 |
| SEWER | 10 |
| STORM | 10 |
| FT. OF VACTORING..... | 900 |
| QUARTERLY BILLS (Cycle 2)..... | 5,301 |

September 9, 2020

Re: PSC CRC Conventional Rate Case Analysis

Dear President Schowalter and Commissioners:

As you may recall, SAN #1 submitted an application to the PSC for a water rate increase on August 7, 2019. Since that time, staff have been working with CLA to provide PSC the data necessary for them to complete the analysis. The attached letter and exhibit from PSC contains schedules showing Commission staff's proposed cost-of-service analysis and proposed rates. This will be submitted at the public hearing, the date of which has yet to be determined.

Based on the analysis, a typical residential customer's bill would rise 5.16%, not including fire protection. The last water rate case was completed in 2013. Upon completion of the public hearing and approval process through PSC staff intends to have the new rates become effective January 1, 2021. Please note that slight modifications could be made to the recommended increase by the PSC between now and when the public hearing takes place.

Sincerely,

Katie Schwartz

Katie Schwartz, P.E.
Director of Public Works
Town of Grand Chute



Public Service Commission of Wisconsin

Rebecca Cameron Valcq, Chairperson
Ellen Nowak, Commissioner
Tyler Huebner, Commissioner

4822 Madison Yards Way
P.O. Box 7854
Madison, WI 53707-7854

Public Service Commission of Wisconsin
RECEIVED: 08/25/2020 10:55:00 AM

August 25, 2020

Ms. Katie Schwartz
Town of Grand Chute Sanitary District No. 1
1900 West Grand Chute Blvd
Grand Chute, WI 54913

Re: Application of the Town of Grand Chute Sanitary District 1, 2310-WR-104
Outagamie County, Wisconsin, as a Water Public Utility,
for Authority to Adjust Water Rates

Dear Ms. Schwartz:

Public Service Commission (Commission) staff has analyzed the Town of Grand Chute Sanitary District No. 1 (Utility) application for a water rate increase. The application was received on August 7, 2019. The attached proposed exhibit contains schedules showing Commission staff's proposed cost-of-service analysis and proposed rates. Commission staff intends to submit this exhibit at the public hearing, which will be scheduled at a later date.

The revenue requirement for the 2019 test year is comprised of the following:

| | | |
|---|-----------|------------------|
| Operation and Maintenance Expenses | \$ | 5,306,774 |
| Depreciation Expense | \$ | 310,470 |
| Property Tax Equivalent and Other Taxes | \$ | 33,100 |
| Return on Rate Base | \$ | 509,977 |
| Total | \$ | 6,160,320 |

Commission staff used a 4.90 percent rate of return on the estimated water utility net investment rate base for the 2019 test year, as recommended by our staff auditor. ([PSC REF#: 394045.](#))

The proposed rates shown in Schedule 13 would increase annual revenues from water public utility service by an estimated \$261,965, of which \$255,658 would be from general service customers and \$6,308 would be from the public fire protection charge. The increase in water utility revenues results from a 20.51 percent increase in gross plant investment and an 8.20 percent increase in operating expenses since the Utility's last water rate case in 2013.

The overall increase in customer rates is 4.71 percent, comprised of a 5.14 percent increase in general service charges and a 1.08 percent increase in fire protection charges.

Ms. Katie Schwartz
Docket 2310-WR-104
Page 2

A typical residential customer's bill would rise 5.16 percent, not including public fire protection. Commission staff provided analysis of customer bills for comparison of proposed and present rates (see Schedule 14 of the attached Commission staff exhibit).

The rates authorized in the Utility's last rate case were adjusted for inflation through the Simplified Rate Case (SRC) process in 2019.

A copy of the changes to the Utility's filed rules that reflect the latest requirements in Wis. Admin. Code ch. PSC 185 is attached. These changes will be recommended to the Commission. The proposed Commission staff exhibit is intended to give the Commission the analysis provided by Commission staff and is not a final decision. The Utility may present its own case and may submit any additional information which is believed to be pertinent to substantiate the Utility's position. Please note that the general service and public fire protection rates are typically effective within 90 days of the final decision.

Please note that the Commission will base its decision on the merits of the case.

In order to receive notification of official correspondence (i.e. data requests, notices, final decisions, etc.), individuals must subscribe to the Utility ID or PSC Docket. To subscribe, go to the Commission's [Electronic Records Filing System](#) (ERF). For help subscribing, go to [Subscribing to Dockets](#).

If you have any questions, please call me at (608) 266-3905.

Sincerely,



Andrew Fisher
Public Utility Rate Analyst
Public Service Commission of Wisconsin
Division of Water Utility Regulation and Analysis
(608) 266-3905 | Andrew.Fisher@wisconsin.gov

ALF:ajh:ggl DL:01762646

cc: David Maccoux, CliftonLarsonAllen

Ex.-PSC-COSS and Rate Design

Town of Grand Chute Sanitary District No. 1

| | <u>Schedule</u> |
|--|-----------------|
| Comparative Income Statement | 1 |
| Net Investment Rate Base | 2 |
| Utility Financed Plant in Service and Depreciation Expense | 3 |
| System Demand Ratios | 4 |
| Allocation of Utility Financed Plant to Service Cost Functions | 5 |
| Allocation of Total Plant to Service Cost Functions | 5A |
| Allocation of Depreciation Expense to Service Cost Functions | 6 |
| Allocation of Operation and Maintenance Expenses to Service Cost Functions | 7 |
| Summary of Allocation of Operating Costs to Service Cost Functions | 8 |
| Customer Class Demand Ratios | 9 |
| Customer Class Allocation Factors | 10 |
| Allocation of Service Cost Functions to Customer Classes | 11 |
| Comparison of Revenue at Present Rates, Cost of Service and Proposed Rates | 12 |
| Proposed Water Rates and Rules | 13 |
| Customer Water Bill Comparison at Present and Proposed Rates | 14 |

COMPARATIVE INCOME STATEMENT

| ACCT NO. | OPERATING REVENUES | TEST YEAR | | | | |
|----------|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | 2015 | 2016 | 2017 | 2018 | 2019 |
| 460 | Unmetered Sales to General Customers | | | | | |
| | Residential | \$ 12,085 | \$ 5,980 | \$ 6,467 | \$ 5,867 | \$ 6,045 |
| | Multi-Family Residential | 0 | 0 | 0 | 0 | 0 |
| | Commercial | 0 | 0 | 0 | 0 | 0 |
| | Industrial | 0 | 0 | 0 | 0 | 0 |
| | Public Authority | 0 | 0 | 0 | 0 | 0 |
| | Irrigation | 0 | 0 | 0 | 0 | 0 |
| 461 | Metered Sales to General Customers | | | | | |
| | Residential | 2,171,078 | 2,247,577 | 2,062,545 | 2,203,589 | 2,257,681 |
| | Multi-Family Residential | 560,460 | 553,369 | 571,667 | 555,079 | 558,464 |
| | Commercial | 1,551,879 | 1,617,217 | 1,503,685 | 1,614,337 | 1,631,327 |
| | Industrial | 428,831 | 417,041 | 411,950 | 433,221 | 428,559 |
| | Public Authority | 120,040 | 121,960 | 103,852 | 98,390 | 99,649 |
| | Irrigation | 0 | 0 | 0 | 0 | 0 |
| | TOTAL GENERAL SALES | \$ 4,844,373 | \$ 4,963,144 | \$ 4,660,166 | \$ 4,910,483 | \$ 4,981,725 |
| 462 | Private fire protection service | \$ 92,434 | \$ 93,481 | \$ 92,399 | \$ 95,746 | \$ 104,568 |
| 463 | Public fire protection service | 567,820 | 568,028 | 565,507 | 567,939 | 584,912 |
| 465 | Other water sales | 0 | 0 | 0 | 2,424 | 2,400 |
| 466 | Sales for resale | 0 | 0 | 0 | 0 | 0 |
| 467 | Interdepartmental sales | 0 | 0 | 0 | 0 | 0 |
| 470 | Forfeited discounts | 26,645 | 21,620 | 22,069 | 19,536 | 20,500 |
| 472 | Rents from water property | 113,402 | 110,518 | 118,235 | 120,169 | 120,000 |
| 473 | Interdepartmental rents | 0 | 0 | 0 | 0 | 0 |
| 474 | Other water revenues | 76,485 | 84,786 | 91,653 | 84,505 | 84,250 |
| | TOTAL OPERATING REVENUES | \$ 5,721,159 | \$ 5,841,577 | \$ 5,550,029 | \$ 5,800,802 | \$ 5,898,355 |
| | OPERATING EXPENSES | | | | | |
| | SOURCE OF SUPPLY | | | | | |
| 600 | Operation labor | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 601 | Operation labor and expenses | 0 | 0 | 0 | 0 | 0 |
| 602 | Purchased water | 4,338,673 | 4,498,516 | 4,368,299 | 4,456,322 | 4,197,872 |
| 603 | Miscellaneous expenses | 0 | 0 | 0 | 0 | 0 |
| 604 | Rents | 0 | 0 | 0 | 0 | 0 |
| 610 | Maintenance supervision and engineering | 0 | 0 | 0 | 0 | 0 |
| 611 | Maintenance of structures and improvements | 0 | 0 | 0 | 0 | 0 |
| 612 | Maint. of collecting and impounding reservoirs | 0 | 0 | 0 | 0 | 0 |
| 613 | Maintenance of lake, river, and other intakes | 0 | 0 | 0 | 0 | 0 |
| 614 | Maintenance of wells and springs | 0 | 0 | 0 | 0 | 0 |
| 616 | Maintenance of supply mains | 0 | 0 | 0 | 0 | 0 |
| 617 | Maintenance of misc. water source plant | 0 | 0 | 0 | 0 | 0 |
| | PUMPING EXPENSES | | | | | |
| 620 | Operation supervision and engineering | 0 | 0 | 0 | 0 | 0 |
| 621 | Fuel for power production | 0 | 0 | 0 | 0 | 0 |
| 622 | Power production labor and expenses | 0 | 0 | 0 | 0 | 0 |
| 623 | Fuel or power purchased for production | 60,805 | 58,805 | 53,995 | 48,838 | 54,000 |
| 624 | Pumping labor and expenses | 5,468 | 8,561 | 5,072 | 3,536 | 4,000 |
| 625 | Expenses transferred--credit | 0 | 0 | 0 | 0 | 0 |
| 626 | Miscellaneous expenses | 1,162 | 1,110 | 1,182 | 1,113 | 1,150 |
| 627 | Rents | 0 | 0 | 0 | 0 | 0 |
| 630 | Maintenance supervision and engineering | 0 | 0 | 0 | 0 | 0 |
| 631 | Maintenance of structures and improvements | 0 | 0 | 0 | 1,267 | 4,000 |
| 632 | Maintenance of power production equipment | 0 | 0 | 0 | 0 | 0 |
| 633 | Maintenance of pumping equipment | 4,182 | 162 | 440 | 167 | 180 |

COMPARATIVE INCOME STATEMENT
(continued)

| ACCT NO. | OPERATING EXPENSES | TEST YEAR | | | | |
|--|--|--------------|--------------|--------------|--------------|--------------|
| | | 2015 | 2016 | 2017 | 2018 | 2019 |
| WATER TREATMENT EXPENSES | | | | | | |
| 640 | Operation supervision and engineering | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 641 | Chemicals | 0 | 0 | 0 | 0 | 0 |
| 642 | Operation labor and expenses | 1,068 | 1,875 | 688 | 6,774 | 5,500 |
| 643 | Miscellaneous expenses | 0 | 0 | 0 | 0 | 0 |
| 644 | Rents | 0 | 0 | 0 | 0 | 0 |
| 650 | Maintenance supervision and engineering | 0 | 0 | 0 | 0 | 0 |
| 651 | Maintenance of structures and improvements | 0 | 0 | 0 | 0 | 0 |
| 652 | Maintenance of water treatment equipment | 0 | 0 | 0 | 0 | 0 |
| TRANS & DISTRIBUTION EXPENSES | | | | | | |
| 660 | Operation supervision and engineering | \$ 47,387 | \$ 36,975 | \$ 45,125 | \$ 37,040 | \$ 40,500 |
| 661 | Storage facilities expenses | 229 | 460 | 362 | 841 | 900 |
| 662 | Transmission and distribution expenses | 23,746 | 20,823 | 26,952 | 20,358 | 22,000 |
| 663 | Meter expenses | 83,254 | 238,145 | 152,257 | 14,263 | 100,600 |
| 664 | Customer installations expenses | 406 | 100 | 229 | 401 | 450 |
| 665 | Miscellaneous expenses | 15,581 | 17,399 | 17,843 | 19,770 | 27,500 |
| 666 | Rents | 0 | 0 | 0 | 0 | 0 |
| 670 | Maintenance supervision and engineering | 0 | 0 | 0 | 0 | 0 |
| 671 | Maintenance of structures and improvements | 0 | 0 | 0 | 0 | 0 |
| 672 | Maintenance of distr.reservoirs and standpipes | 2,152 | 1,999 | 3,723 | 3,255 | 53,800 |
| 673 | Maintenance of transmission and distr. mains | 100,757 | 85,055 | 88,750 | 134,662 | 138,800 |
| 675 | Maintenance of services | 61,587 | 73,865 | 66,545 | 75,241 | 80,000 |
| 676 | Maintenance of meters | 2,817 | 4,888 | 1,056 | 7,816 | 6,000 |
| 677 | Maintenance of hydrants | 83,604 | 38,565 | 23,058 | 16,243 | 75,000 |
| 678 | Maintenance of miscellaneous plant | 7,047 | 4,801 | 5,383 | 910 | 900 |
| CUSTOMER ACCOUNTS EXPENSES | | | | | | |
| 901 | Supervision | 0 | 0 | 0 | 0 | 0 |
| 902 | Meter reading labor | 24,733 | 7,383 | 38 | 0 | 0 |
| 903 | Customer records and collection expenses | 29,907 | 33,001 | 31,832 | 25,108 | 27,000 |
| 904 | Uncollectible accounts | 0 | 0 | 0 | 0 | 0 |
| 905 | Miscellaneous customer accounts expenses | 0 | 0 | 0 | 0 | 0 |
| 906 | Customer service and Information Expenses | 0 | 0 | 0 | 0 | 0 |
| SALES EXPENSES | | | | | | |
| 910 | Sales Expenses | 0 | 0 | 0 | 0 | 0 |
| ADMIN. & GENERAL EXPENSES | | | | | | |
| 920 | Administrative and general salaries | 117,353 | 134,341 | 153,099 | 157,594 | 145,000 |
| 921 | Office supplies and expenses | 3,833 | 9,691 | 7,067 | 10,002 | 10,000 |
| 922 | Administrative expenses transferred -- credit | 0 | 0 | 0 | 0 | 0 |
| 923 | Outside services employed | 10,782 | 24,108 | 35,246 | 71,701 | 87,000 |
| 924 | Property insurance | 38,173 | 39,292 | 42,428 | 45,826 | 46,900 |
| 925 | Injuries and damages | 0 | 0 | 0 | 0 | 0 |
| 926 | Employee pensions and benefits | 113,984 | 116,680 | 128,241 | 121,731 | 127,900 |
| 928 | Regulatory commission expenses | 0 | 0 | 0 | 0 | 0 |
| 929 | Duplicate charges -- credit | 0 | 0 | 0 | 0 | 0 |
| 930 | Miscellaneous general expenses | 2,881 | 1,842 | 9,503 | 4,961 | 5,054 |
| 931 | Rents | 44,760 | 44,760 | 44,760 | 44,760 | 44,768 |
| 932 | Maintenance of general plant | 0 | 0 | 0 | 0 | 0 |
| TOTAL OPER. & MAINT. EXPENSES | | \$ 5,226,331 | \$ 5,503,202 | \$ 5,313,173 | \$ 5,330,500 | \$ 5,306,774 |
| 403 | DEPRECIATION EXPENSE | 323,898 | 333,104 | 358,407 | 329,537 | 310,470 |
| 404-407 | AMORTIZATION EXPENSE | 0 | 0 | 0 | 0 | 0 |
| 408 | TAXES AND TAX EQUIVALENT | 29,043 | 32,972 | 33,373 | 32,853 | 33,100 |
| TOTAL OPERATING EXPENSES | | \$ 5,579,272 | \$ 5,869,278 | \$ 5,704,953 | \$ 5,692,890 | \$ 5,650,344 |
| NET OPERATING INCOME | | \$ 141,887 | \$ (27,701) | \$ (154,924) | \$ 107,912 | \$ 248,011 |

NET INVESTMENT RATE BASE

| | | |
|--|----|--------------------------|
| UTILITY FINANCED PLANT IN SERVICE | \$ | 14,723,065 |
| Less: ACCUMULATED PROVISION FOR DEPRECIATION | | <u>3,975,831</u> |
| NET PLANT IN SERVICE | \$ | 10,747,234 |
| Plus: MATERIALS AND SUPPLIES | | 19,635 |
| Less: REGULATORY LIABILITY | | <u>359,184</u> |
| NET INVESTMENT RATE BASE | \$ | <u><u>10,407,685</u></u> |
| RATE OF RETURN ON RATE BASE | | 4.90% |

ESTIMATED INCOME STATEMENT FOR THE 2019 TEST YEAR
AND

REVENUE REQUIREMENT TO YIELD A 4.90% RETURN ON NET INVESTMENT RATE BASE

| | <u>Present Rates</u> | <u>Increase</u> | <u>After Rate Increase</u> |
|----------------------------------|--------------------------|-------------------|------------------------------------|
| TOTAL OPERATING REVENUES | \$ <u>5,898,355</u> | \$ <u>261,965</u> | \$ <u>6,160,320</u> |
| OPERATING EXPENSES: | | | |
| OPERATION & MAINTENANCE EXPENSES | \$ 5,306,774 | | \$ 5,306,774 |
| DEPRECIATION EXPENSE | 310,470 | | 310,470 |
| AMORTIZATION EXPENSE | 0 | | 0 |
| TAXES AND TAX EQUIVALENT | <u>33,100</u> | | <u>33,100</u> |
| TOTAL OPERATING EXPENSES | \$ <u>5,650,344</u> | | \$ <u>5,650,344</u> |
| NET OPERATING INCOME (LOSS) | \$ <u>248,011</u> | | \$ <u><u>509,977</u></u> |
| RATE OF RETURN ON RATE BASE | 2.38% | | 4.90% |

**UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE
TEST YEAR 2019**

| <u>ACCT NO.</u> | <u>ACCOUNT DESCRIPTION</u> | <u>Balance</u> <u>12/31/2018</u> <u>(\$)</u> | <u>Major</u> <u>Additions</u> | | <u>Normal</u> <u>Additions</u> <u>(\$)</u> | <u>Retirements</u> <u>(\$)</u> | <u>Balance</u> <u>12/31/2019</u> <u>(\$)</u> | <u>Test Year</u> <u>Rate Base</u> <u>Balance</u> <u>(\$)</u> | <u>Depreciation</u> | |
|------------------------------|--|--|--|---|--|-----------------------------------|--|---|---------------------------|-------------------------------|
| | | | <u>Less</u> <u>Retirements</u> <u>(\$)</u> | | | | | | <u>Rate</u> <u>(%)</u> | <u>Expense</u> <u>(\$)</u> |
| INTANGIBLE PLANT | | | | | | | | | | |
| 301 | Organization | 1,000 | 0 | 0 | 0 | 0 | 1,000 | 1,000 | N/A | 0 |
| 302 | Franchises and Consents | 0 | 0 | 0 | 0 | 0 | 0 | 0 | N/A | 0 |
| 303 | Miscellaneous Intangible Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | N/A | 0 |
| SOURCE OF SUPPLY | | | | | | | | | | |
| 310 | Land and Land Rights | 0 | 0 | 0 | 0 | 0 | 0 | 0 | N/A | 0 |
| 311 | Structures and Improvements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.20% | 0 |
| 312 | Collecting and Impounding Reservoirs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.70% | 0 |
| 313 | Lake, River, and Other Intakes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.70% | 0 |
| 314 | Wells and Springs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.90% | 0 |
| 316 | Supply Mains | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.80% | 0 |
| 317 | Other Water Source Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.50% | 0 |
| PUMPING PLANT | | | | | | | | | | |
| 320 | Land and Land Rights | 1,440 | 0 | 0 | 0 | 0 | 1,440 | 1,440 | N/A | 0 |
| 321 | Structures and Improvements | 178,121 | 0 | 0 | 0 | 0 | 178,121 | 178,121 | 3.20% | 5,700 |
| 323 | Other Power Production Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.40% | 0 |
| 325 | Electric Pumping Equipment | 285,335 | 0 | 0 | 0 | 0 | 285,335 | 285,335 | 4.40% | 0 |
| 326 | Diesel Pumping Equipment | 41,586 | 0 | 0 | 0 | 0 | 41,586 | 41,586 | 4.40% | 0 |
| 328 | Other Pumping Equipment | 24,050 | 0 | 0 | 0 | 0 | 24,050 | 24,050 | 4.40% | 0 |
| WATER TREATMENT PLANT | | | | | | | | | | |
| 330 | Land and Land Rights | 0 | 0 | 0 | 0 | 0 | 0 | 0 | N/A | 0 |
| 331 | Structures and Improvements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.20% | 0 |
| 332 | Sand or Other Media Filtration Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.30% | 0 |
| 333 | Membrane Filtration Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.00% | 0 |
| 334 | Other Water Treatment Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.00% | 0 |

UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE
TEST YEAR 2019
(continued)

| <u>ACCT NO.</u> | <u>ACCOUNT DESCRIPTION</u> | <u>Balance</u> | <u>Major</u> | <u>Normal</u> | <u>Retirements</u> | <u>Balance</u> | <u>TEST YEAR</u> | <u>DEPRECIATION</u> | |
|--|---|-------------------|------------------|------------------|--------------------|-------------------|-------------------|---------------------|----------------|
| | | <u>12/31/2018</u> | <u>Additions</u> | <u>Additions</u> | | <u>12/31/2019</u> | <u>RATE BASE</u> | <u>RATE</u> | <u>EXPENSE</u> |
| | | <u>(\$)</u> | <u>(\$)</u> | <u>(\$)</u> | <u>(\$)</u> | <u>(\$)</u> | <u>(\$)</u> | <u>(%)</u> | <u>(\$)</u> |
| TRANSMISSION & DISTRIBUTION PLANT | | | | | | | | | |
| 340 | Land and Land Rights | 10,369 | 0 | 0 | 0 | 10,369 | 10,369 | N/A | 0 |
| 341 | Structures and Improvements | 0 | 0 | 0 | 0 | 0 | 0 | 3.20% | 0 |
| 342 | Distribution Reservoirs and Standpipes | 2,115,173 | 0 | 0 | 0 | 2,115,173 | 2,115,173 | 1.90% | 40,188 |
| 343 | Transmission and Distribution Mains | 5,803,388 | 0 | 1,085,730 | 46,000 | 6,843,118 | 6,323,253 | 1.30% | 83,473.00 |
| 345 | Services | 1,327,633 | 0 | 262,419 | 0 | 1,590,052 | 1,458,843 | 2.90% | 43,557.00 |
| 346 | Meters | 2,031,461 | 0 | 24,875 | 0 | 2,056,336 | 2,043,899 | 5.50% | 56,207.00 |
| 348 | Hydrants | 1,098,711 | 0 | 168,683 | 3,750 | 1,263,644 | 1,181,178 | 2.20% | 26,751.00 |
| 349 | Other Transmission and Distribution Plant | 0 | 0 | 0 | 0 | 0 | 0 | 5.00% | 0.00 |
| GENERAL PLANT | | | | | | | | | |
| 389 | Land and Land Rights | 0 | 0 | 0 | 0 | 0 | 0 | N/A | 0 |
| 390 | Structures and Improvements | 0 | 0 | 0 | 0 | 0 | 0 | 2.90% | 0 |
| 391 | Office Furniture and Equipment | 70,060 | 0 | 0 | 0 | 70,060 | 70,060 | 5.80% | 0 |
| 391 | Computer Equipment | 130,804 | 0 | 18,500 | 0 | 149,304 | 140,054 | 26.70% | 37,394 |
| 392 | Transportation Equipment | 411,492 | 0 | 0 | 0 | 411,492 | 411,492 | 13.30% | 17,200 |
| 393 | Stores Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 5.80% | 0 |
| 394 | Tools, Shop and Garage Equipment | 69,405 | 0 | 0 | 0 | 69,405 | 69,405 | 5.80% | 0 |
| 395 | Laboratory Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 5.80% | 0 |
| 396 | Power Operated Equipment | 77,662 | 0 | 0 | 0 | 77,662 | 77,662 | 7.50% | 0 |
| 397 | Communication Equipment | 6,246 | 0 | 0 | 0 | 6,246 | 6,246 | 15.00% | 0 |
| 397 | SCADA Equipment | 283,899 | 0 | 0 | 0 | 283,899 | 283,899 | 9.20% | 0 |
| 398 | Miscellaneous Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 5.80% | 0 |
| TOTAL UTILITY FINANCED PLANT IN SERVICE | | 13,967,835 | 0 | 1,560,207 | 49,750 | 15,478,292 | 14,723,065 | | 310,470 |

Town of Grand Chute Sanitary District No. 1

SYSTEM DEMAND RATIOS

MAXIMUM DAY SYSTEM DEMAND

TOTAL ANNUAL PUMPAGE 922,174,000 Gallons

AVERAGE DAILY PUMPAGE 2,526,504 Gallons

MAXIMUM DAY PUMPAGE 3,031,805 Gallons

FIRE FLOW:

| | | |
|------------------|-----------|---------|
| GAL/MIN | 5,000 | |
| DURATION (HOURS) | 5.0 | |
| TOTAL FLOW | 1,500,000 | Gallons |

AVERAGE DAY PLUS FIRE FLOW 4,026,504 Gallons

RATIO: BASE = $\frac{2,526,504}{4,026,504}$ = 62.75%

MAX DAY = 100-BASE = 37.25%

MAXIMUM HOUR SYSTEM DEMAND

AVERAGE HOUR ON MAX DAY 126,325 Gallons

MAXIMUM HOUR PUMPAGE 236,860 Gallons

AVERAGE HOUR PLUS ONE HOUR FIRE FLOW 405,271 Gallons

RATIO: BASE = $\frac{2,526,504}{9,726,504}$ = 25.98% Use 25.98%

MAX HOUR = 100-BASE = 74.02% Use 74.02%

**ALLOCATION OF UTILITY FINANCED PLANT
TO SERVICE COST FUNCTIONS**

| <u>ACCT NO.</u> | <u>ACCOUNT DESCRIPTION</u> | EXTRA-CAPACITY | | | | | | | | | | | |
|------------------------------|--|----------------|----------------|----------------------|----------------|----------------------|-----------------|----------------|----------------------|-----------------|-----------------------------|-------------------------------|----------------------------|
| | | TOTAL (\$) | BASE COSTS | | MAX DAY | | | MAX HOUR | | CUSTOMER COSTS | | | |
| | | | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | Storage (\$) | System (\$) | Distribution (\$) | Billing (\$) | Equivalent Meter (\$) | Equivalent Service (\$) | Fire Protection (\$) |
| INTANGIBLE PLANT | | | | | | | | | | | | | |
| 301 | Organization | 1,000 | 290 | 27 | 148 | 0 | 0 | 77 | 115 | 0 | 150 | 107 | 87 |
| 302 | Franchises and Consents | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 303 | Miscellaneous Intangible Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SOURCE OF SUPPLY | | | | | | | | | | | | | |
| 310 | Land and Land Rights | 0 | 0 | | 0 | | | | | | | | |
| 311 | Structures and Improvements | 0 | 0 | | 0 | | | | | | | | |
| 312 | Collecting and Impounding Reservoirs | 0 | 0 | | 0 | | | | | | | | |
| 313 | Lake, River, and Other Intakes | 0 | 0 | | 0 | | | | | | | | |
| 314 | Wells and Springs | 0 | 0 | | 0 | | | | | | | | |
| 316 | Supply Mains | 0 | 0 | | 0 | | | | | | | | |
| 317 | Other Water Source Plant | 0 | 0 | | 0 | | | | | | | | |
| PUMPING PLANT | | | | | | | | | | | | | |
| 320 | Land and Land Rights | 1,440 | 904 | | 536 | | | | | | | | |
| 321 | Structures and Improvements | 178,121 | 111,765 | | 66,356 | | | | | | | | |
| 323 | Other Power Production Equipment | 0 | 0 | | 0 | | | | | | | | |
| 325 | Electric Pumping Equipment | 285,335 | 179,039 | | 106,296 | | | | | | | | |
| 326 | Diesel Pumping Equipment | 41,586 | 26,094 | | 15,492 | | | | | | | | |
| 328 | Other Pumping Equipment | 24,050 | 15,091 | | 8,959 | | | | | | | | |
| WATER TREATMENT PLANT | | | | | | | | | | | | | |
| 330 | Land and Land Rights | 0 | 0 | | 0 | | | | | | | | |
| 331 | Structures and Improvements | 0 | 0 | | 0 | | | | | | | | |
| 332 | Sand or Other Media Filtration Equipment | 0 | 0 | | 0 | | | | | | | | |
| 333 | Membrane Filtration Equipment | 0 | 0 | | 0 | | | | | | | | |
| 334 | Other Water Treatment Equipment | 0 | 0 | | 0 | | | | | | | | |

**ALLOCATION OF UTILITY FINANCED PLANT
TO SERVICE COST FUNCTIONS
(continued)**

| ACCT NO. | ACCOUNT DESCRIPTION | EXTRA-CAPACITY | | | | | | | CUSTOMER COSTS | | | Fire Protection (\$) | |
|--|---|-------------------|------------------|-------------------|------------------|-------------------|-------------|-------------------|------------------|--------------|-----------------------|----------------------|-------------------------|
| | | TOTAL (\$) | BASE COSTS | | MAX DAY | | MAX HOUR | | | Billing (\$) | Equivalent Meter (\$) | | Equivalent Service (\$) |
| | | | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | Storage (\$) | | | | |
| TRANSMISSION & DISTRIBUTION PLANT | | | | | | | | | | | | | |
| 340 | Land and Land Rights | 10,369 | 2,862 | 293 | 1,441 | 0 | 0 | 835 | 1,237 | 0 | 1,615 | 1,153 | 933 |
| 341 | Structures and Improvements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 342 | Distribution Reservoirs and Standpipes | 2,115,173 | 549,426 | | | | | | 1,565,747 | | | | |
| 343 | Transmission mains | 4,896,525 | 3,072,415 | | 1,824,110 | | | | | | | | |
| 343 | Distribution mains | 1,426,728 | | 370,599 | | | 1,056,129 | | | | | | |
| 345 | Services | 1,458,843 | | | | | | | | | | 1,458,843 | |
| 346 | Meters | 2,043,899 | | | | | | | | | 2,043,899 | | |
| 348 | Hydrants | 1,181,178 | | | | | | | | | | | 1,181,178 |
| 349 | Other Transmission and Distribution Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GENERAL PLANT | | | | | | | | | | | | | |
| 389 | Land and Land Rights | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390 | Structures and Improvements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 391 | Office Furniture and Equipment | 70,060 | 20,293 | 1,902 | 10,374 | 0 | 0 | 5,420 | 8,035 | 0 | 10,489 | 7,486 | 6,061 |
| 391 | Computer Equipment | 140,054 | 40,567 | 3,802 | 20,739 | 0 | 0 | 10,834 | 16,062 | 0 | 20,967 | 14,966 | 12,117 |
| 392 | Transportation Equipment | 411,492 | 119,190 | 11,170 | 60,932 | 0 | 0 | 31,832 | 47,192 | 0 | 61,604 | 43,970 | 35,601 |
| 393 | Stores Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 394 | Tools, Shop and Garage Equipment | 69,405 | 20,103 | 1,884 | 10,277 | 0 | 0 | 5,369 | 7,960 | 0 | 10,391 | 7,416 | 6,005 |
| 395 | Laboratory Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 396 | Power Operated Equipment | 77,662 | 22,495 | 2,108 | 11,500 | 0 | 0 | 6,008 | 8,907 | 0 | 11,627 | 8,299 | 6,719 |
| 397 | Communication Equipment | 6,246 | 1,809 | 170 | 925 | 0 | 0 | 483 | 716 | 0 | 935 | 667 | 540 |
| 397 | SCADA Equipment | 283,899 | 82,232 | 7,707 | 42,038 | 0 | 0 | 21,962 | 32,559 | 0 | 42,502 | 30,336 | 24,562 |
| 398 | Miscellaneous Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | | 14,723,065 | 4,264,574 | 399,661 | 2,180,125 | 0 | 0 | 1,138,949 | 1,688,531 | 0 | 2,204,179 | 1,573,243 | 1,273,804 |

**ALLOCATION OF TOTAL PLANT
TO SERVICE COST FUNCTIONS**

| <u>ACCT NO.</u> | <u>ACCOUNT DESCRIPTION</u> | EXTRA-CAPACITY | | | | | | | | | | | |
|------------------------------|--|----------------|----------------|----------------------|----------------|----------------------|----------------|----------------------|-----------------|-----------------|-----------------------------|-------------------------------|----------------------------|
| | | TOTAL (\$) | BASE COSTS | | MAX DAY | | MAX HOUR | | | CUSTOMER COSTS | | | Fire Protection (\$) |
| | | | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | Storage (\$) | Billing (\$) | Equivalent Meter (\$) | Equivalent Service (\$) | |
| INTANGIBLE PLANT | | | | | | | | | | | | | |
| 301 | Organization | 1,000 | 140 | 107 | 66 | 0 | 0 | 306 | 84 | 0 | 67 | 130 | 101 |
| 302 | Franchises and Consents | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 303 | Miscellaneous Intangible Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SOURCE OF SUPPLY | | | | | | | | | | | | | |
| 310 | Land and Land Rights | 0 | 0 | | 0 | | | | | | | | |
| 311 | Structures and Improvements | 0 | 0 | | 0 | | | | | | | | |
| 312 | Collecting and Impounding Reservoirs | 0 | 0 | | 0 | | | | | | | | |
| 313 | Lake, River, and Other Intakes | 0 | 0 | | 0 | | | | | | | | |
| 314 | Wells and Springs | 0 | 0 | | 0 | | | | | | | | |
| 316 | Supply Mains | 0 | 0 | | 0 | | | | | | | | |
| 317 | Other Water Source Plant | 0 | 0 | | 0 | | | | | | | | |
| PUMPING PLANT | | | | | | | | | | | | | |
| 320 | Land and Land Rights | 1,440 | 904 | | 536 | | | | | | | | |
| 321 | Structures and Improvements | 178,121 | 111,765 | | 66,356 | | | | | | | | |
| 323 | Other Power Production Equipment | 0 | 0 | | 0 | | | | | | | | |
| 325 | Electric Pumping Equipment | 285,335 | 179,039 | | 106,296 | | | | | | | | |
| 326 | Diesel Pumping Equipment | 41,586 | 26,094 | | 15,492 | | | | | | | | |
| 328 | Other Pumping Equipment | 24,050 | 15,091 | | 8,959 | | | | | | | | |
| WATER TREATMENT PLANT | | | | | | | | | | | | | |
| 330 | Land and Land Rights | 0 | 0 | | 0 | | | | | | | | |
| 331 | Structures and Improvements | 0 | 0 | | 0 | | | | | | | | |
| 332 | Sand or Other Media Filtration Equipment | 0 | 0 | | 0 | | | | | | | | |
| 333 | Membrane Filtration Equipment | 0 | 0 | | 0 | | | | | | | | |
| 334 | Other Water Treatment Equipment | 0 | 0 | | 0 | | | | | | | | |

**ALLOCATION OF TOTAL PLANT
TO SERVICE COST FUNCTIONS
(continued)**

| ACCT NO. | ACCOUNT DESCRIPTION | EXTRA-CAPACITY | | | | | | | | | | | |
|--|---|-------------------|------------------|----------------------|------------------|----------------------|-----------------|------------------|----------------------|-----------------|-----------------------------|-------------------------------|----------------------------|
| | | TOTAL (\$) | BASE COSTS | | MAX DAY | | | MAX HOUR | | CUSTOMER COSTS | | | Fire Protection (\$) |
| | | | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | Storage (\$) | System (\$) | Distribution (\$) | Billing (\$) | Equivalent Meter (\$) | Equivalent Service (\$) | |
| TRANSMISSION & DISTRIBUTION PLANT | | | | | | | | | | | | | |
| 340 | Land and Land Rights | 10,369 | 1,364 | 1,132 | 626 | 0 | 0 | 3,226 | 881 | 0 | 702 | 1,370 | 1,066 |
| 341 | Structures and Improvements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 342 | Distribution Reservoirs and Standpipes | 3,467,175 | 900,615 | | | | | | 2,566,560 | | | | |
| 343 | Transmission mains | 4,896,525 | 3,072,415 | | 1,824,110 | | | | | | | | |
| 343 | Distribution mains | 12,692,256 | | 3,296,872 | | | | 9,395,384 | | | | | |
| 345 | Services | 3,989,497 | | | | | | | | | | 3,989,497 | |
| 346 | Meters | 2,043,899 | | | | | | | | | 2,043,899 | | |
| 348 | Hydrants | 3,104,856 | | | | | | | | | | | 3,104,856 |
| 349 | Other Transmission and Distribution Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GENERAL PLANT | | | | | | | | | | | | | |
| 389 | Land and Land Rights | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390 | Structures and Improvements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 391 | Office Furniture and Equipment | 70,060 | 9,818 | 7,518 | 4,610 | 0 | 0 | 21,424 | 5,852 | 0 | 4,661 | 9,097 | 7,080 |
| 391 | Computer Equipment | 140,054 | 19,627 | 15,028 | 9,216 | 0 | 0 | 42,828 | 11,699 | 0 | 9,317 | 18,186 | 14,153 |
| 392 | Transportation Equipment | 411,492 | 57,667 | 44,155 | 27,076 | 0 | 0 | 125,832 | 34,374 | 0 | 27,374 | 53,431 | 41,583 |
| 393 | Stores Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 394 | Tools, Shop and Garage Equipment | 69,405 | 9,727 | 7,447 | 4,567 | 0 | 0 | 21,224 | 5,798 | 0 | 4,617 | 9,012 | 7,014 |
| 395 | Laboratory Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 396 | Power Operated Equipment | 77,662 | 10,884 | 8,333 | 5,110 | 0 | 0 | 23,749 | 6,487 | 0 | 5,166 | 10,084 | 7,848 |
| 397 | Communication Equipment | 6,246 | 875 | 670 | 411 | 0 | 0 | 1,910 | 522 | 0 | 416 | 811 | 631 |
| 397 | SCADA Equipment | 283,899 | 39,786 | 30,464 | 18,681 | 0 | 0 | 86,815 | 23,715 | 0 | 18,886 | 36,863 | 28,689 |
| 398 | Miscellaneous Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | | 31,794,927 | 4,455,811 | 3,411,727 | 2,092,113 | 0 | 0 | 9,722,697 | 2,655,973 | 0 | 2,115,103 | 4,128,481 | 3,213,022 |

**ALLOCATION OF DEPRECIATION EXPENSE
TO SERVICE COST FUNCTIONS**

| <u>ACCT NO.</u> | <u>ACCOUNT DESCRIPTION</u> | EXTRA-CAPACITY | | | | | | | | | | | |
|------------------------------|--|----------------|----------------|----------------------|----------------|----------------------|----------------|----------------------|-----------------|-----------------|-----------------------------|-------------------------------|----------------------------|
| | | TOTAL (\$) | BASE COSTS | | MAX DAY | | MAX HOUR | | | CUSTOMER COSTS | | | Fire Protection (\$) |
| | | | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | Storage (\$) | Billing (\$) | Equivalent Meter (\$) | Equivalent Service (\$) | |
| INTANGIBLE PLANT | | | | | | | | | | | | | |
| 301 | Organization | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 302 | Franchises and Consents | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 303 | Miscellaneous Intangible Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SOURCE OF SUPPLY | | | | | | | | | | | | | |
| 310 | Land and Land Rights | 0 | 0 | | 0 | | | | | | | | |
| 311 | Structures and Improvements | 0 | 0 | | 0 | | | | | | | | |
| 312 | Collecting and Impounding Reservoirs | 0 | 0 | | 0 | | | | | | | | |
| 313 | Lake, River, and Other Intakes | 0 | 0 | | 0 | | | | | | | | |
| 314 | Wells and Springs | 0 | 0 | | 0 | | | | | | | | |
| 316 | Supply Mains | 0 | 0 | | 0 | | | | | | | | |
| 317 | Other Water Source Plant | 0 | 0 | | 0 | | | | | | | | |
| PUMPING PLANT | | | | | | | | | | | | | |
| 320 | Land and Land Rights | 0 | 0 | | 0 | | | | | | | | |
| 321 | Structures and Improvements | 5,700 | 3,577 | | 2,123 | | | | | | | | |
| 323 | Other Power Production Equipment | 0 | 0 | | 0 | | | | | | | | |
| 325 | Electric Pumping Equipment | 0 | 0 | | 0 | | | | | | | | |
| 326 | Diesel Pumping Equipment | 0 | 0 | | 0 | | | | | | | | |
| 328 | Other Pumping Equipment | 0 | 0 | | 0 | | | | | | | | |
| WATER TREATMENT PLANT | | | | | | | | | | | | | |
| 330 | Land and Land Rights | 0 | 0 | | 0 | | | | | | | | |
| 331 | Structures and Improvements | 0 | 0 | | 0 | | | | | | | | |
| 332 | Sand or Other Media Filtration Equipment | 0 | 0 | | 0 | | | | | | | | |
| 333 | Membrane Filtration Equipment | 0 | 0 | | 0 | | | | | | | | |
| 334 | Other Water Treatment Equipment | 0 | 0 | | 0 | | | | | | | | |

**ALLOCATION OF DEPRECIATION EXPENSE
TO SERVICE COST FUNCTIONS
(continued)**

| ACCT NO. | ACCOUNT DESCRIPTION | EXTRA-CAPACITY | | | | | | | | | | | |
|--|---|----------------|----------------|----------------------|----------------|----------------------|-----------------|----------------|----------------------|-----------------|-----------------|-----------------------------|-------------------------------|
| | | TOTAL (\$) | BASE COSTS | | MAX DAY | | | MAX HOUR | | | CUSTOMER COSTS | | |
| | | | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | Storage (\$) | System (\$) | Distribution (\$) | Storage (\$) | Billing (\$) | Equivalent Meter (\$) | Equivalent Service (\$) |
| TRANSMISSION & DISTRIBUTION PLANT | | | | | | | | | | | | | |
| 340 | Land and Land Rights | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 341 | Structures and Improvements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 342 | Distribution Reservoirs and Standpipes | 40,188 | 10,439 | | | | | 29,749 | | | | | |
| 343 | Transmission mains | 64,639 | 40,559 | 24,080 | | | | | | | | | |
| 343 | Distribution mains | 18,834 | | 4,892 | | | 13,942 | | | | | | |
| 345 | Services | 43,557 | | | | | | | | | | 43,557 | |
| 346 | Meters | 56,207 | | | | | | | | | 56,207 | | |
| 348 | Hydrants | 26,751 | | | | | | | | | | | 26,751 |
| 349 | Other Transmission and Distribution Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GENERAL PLANT | | | | | | | | | | | | | |
| 389 | Land and Land Rights | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390 | Structures and Improvements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 391 | Office Furniture and Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 391 | Computer Equipment | 37,394 | 7,976 | 715 | 3,829 | 0 | 2,037 | 4,348 | 0 | 8,214 | 6,365 | 3,909 | |
| 392 | Transportation Equipment | 17,200 | 3,668 | 329 | 1,761 | 0 | 937 | 2,000 | 0 | 3,778 | 2,928 | 1,798 | |
| 393 | Stores Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 394 | Tools, Shop and Garage Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 395 | Laboratory Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 396 | Power Operated Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 397 | Communication Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 397 | SCADA Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 398 | Miscellaneous Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | 310,470 | 66,218 | 5,936 | 31,794 | 0 | 0 | 16,917 | 36,096 | 0 | 68,199 | 52,850 | 32,459 |

**ALLOCATION OF OPERATION AND MAINTENANCE EXPENSES
TO SERVICE COST FUNCTIONS**

| <u>ACCT NO.</u> | <u>ACCOUNT DESCRIPTION</u> | EXTRA-CAPACITY | | | | | | | | | | |
|---------------------------------|--|----------------|------------|-------------|-------------------|-------------|-------------------|-------------|-------------------|----------------|--------------|-----------------------|
| | | TOTAL | BASE COSTS | | MAX DAY | | MAX HOUR | | | CUSTOMER COSTS | | |
| | | | (\$) | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | Storage (\$) | Billing (\$) | Equivalent Meter (\$) |
| SOURCE OF SUPPLY | | | | | | | | | | | | |
| 600 | Operation labor | 0 | 0 | | 0 | | | | | | | |
| 601 | Operation labor and expenses | 0 | 0 | | 0 | | | | | | | |
| 602 | Purchased water | 4,197,872 | 4,056,336 | | | | | | | | | 141,536 |
| 603 | Miscellaneous expenses | 0 | 0 | | 0 | | | | | | | |
| 604 | Rents | 0 | 0 | | 0 | | | | | | | |
| 610 | Maintenance supervision and engineering | 0 | 0 | | 0 | | | | | | | |
| 611 | Maintenance of structures and improvements | 0 | 0 | | 0 | | | | | | | |
| 612 | Maint. of collecting and impounding reservoirs | 0 | 0 | | 0 | | | | | | | |
| 613 | Maintenance of lake, river, and other intakes | 0 | 0 | | 0 | | | | | | | |
| 614 | Maintenance of wells and springs | 0 | 0 | | 0 | | | | | | | |
| 616 | Maintenance of supply mains | 0 | 0 | | 0 | | | | | | | |
| 617 | Maintenance of misc. water source plant | 0 | 0 | | 0 | | | | | | | |
| PUMPING EXPENSES | | | | | | | | | | | | |
| 620 | Operation supervision and engineering | 0 | 0 | | 0 | | | | | | | |
| 621 | Fuel for power production | 0 | 0 | | | | | | | | | |
| 622 | Power production labor and expenses | 0 | 0 | | | | | | | | | |
| 623 | Fuel or power purchased for production | 54,000 | 54,000 | | | | | | | | | |
| 624 | Pumping labor and expenses | 4,000 | 2,510 | | | 1,490 | | | | | | |
| 625 | Expenses transferred--credit | 0 | 0 | | | 0 | | | | | | |
| 626 | Miscellaneous expenses | 1,150 | 722 | | | 428 | | | | | | |
| 627 | Rents | 0 | 0 | | | 0 | | | | | | |
| 630 | Maintenance supervision and engineering | 0 | 0 | | | 0 | | | | | | |
| 631 | Maintenance of structures and improvements | 4,000 | 2,510 | | | 1,490 | | | | | | |
| 632 | Maintenance of power production equipment | 0 | 0 | | | 0 | | | | | | |
| 633 | Maintenance of pumping equipment | 180 | 113 | | | 67 | | | | | | |
| WATER TREATMENT EXPENSES | | | | | | | | | | | | |
| 640 | Operation supervision and engineering | 0 | 0 | | | 0 | | | | | | |
| 641 | Chemicals | 0 | 0 | | | | | | | | | |
| 642 | Operation labor and expenses | 5,500 | 3,451 | | | 2,049 | | | | | | |
| 643 | Miscellaneous expenses | 0 | 0 | | | 0 | | | | | | |
| 644 | Rents | 0 | 0 | | | 0 | | | | | | |
| 650 | Maintenance supervision and engineering | 0 | 0 | | | 0 | | | | | | |
| 651 | Maintenance of structures and improvements | 0 | 0 | | | 0 | | | | | | |
| 652 | Maintenance of water treatment equipment | 0 | 0 | | | 0 | | | | | | |

**ALLOCATION OF OPERATION AND MAINTENANCE EXPENSES
TO SERVICE COST FUNCTIONS
(continued)**

| ACCT NO. | ACCOUNT DESCRIPTION | EXTRA-CAPACITY | | | | | | | | | | | |
|---|--|------------------|------------------|----------------------|----------------|----------------------|-----------------|----------------|----------------------|-----------------|-----------------|-----------------------------|-------------------------------|
| | | TOTAL (\$) | BASE COSTS | | MAX DAY | | | MAX HOUR | | | CUSTOMER COSTS | | |
| | | | System (\$) | Distribution (\$) | System (\$) | Distribution (\$) | Storage (\$) | System (\$) | Distribution (\$) | Storage (\$) | Billing (\$) | Equivalent Meter (\$) | Equivalent Service (\$) |
| TRANSMISSION & DISTRIBUTION EXPENSES | | | | | | | | | | | | | |
| 660 | Operation supervision and engineering | 40,500 | 2,846 | 2,863 | 974 | 0 | 0 | 8,159 | 3,434 | 0 | 9,041 | 6,823 | 6,361 |
| 661 | Storage facilities expenses | 900 | 234 | | | | | | 666 | | | | |
| 662 | Transmission lines expenses | 4,219 | 2,647 | | 1,572 | | | | | | | | |
| 662 | Distribution lines expenses | 17,781 | | 4,619 | | | | 13,162 | | | | | |
| 663 | Meter expenses | 100,600 | | | | | | | | | 100,600 | | |
| 664 | Customer installations expenses | 450 | | | | | | | | | | 450 | |
| 665 | Miscellaneous expenses | 27,500 | 1,932 | 1,944 | 662 | 0 | 0 | 5,540 | 2,332 | 0 | 6,139 | 4,633 | 4,319 |
| 666 | Rents | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 670 | Maintenance supervision and engineering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 671 | Maintenance of structures and improvements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 672 | Maintenance of distr.reservoirs and standpipes | 53,800 | 13,975 | | | | | | 39,825 | | | | |
| 673 | Maintenance of transmission mains | 26,617 | 16,702 | | 9,916 | | | | | | | | |
| 673 | Maintenance of distribution mains | 112,183 | | 29,140 | | | | 83,043 | | | | | |
| 675 | Maintenance of services | 80,000 | | | | | | | | | | 80,000 | |
| 676 | Maintenance of meters | 6,000 | | | | | | | | | 6,000 | | |
| 677 | Maintenance of hydrants | 75,000 | | | | | | | | | | | 75,000 |
| 678 | Maintenance of miscellaneous plant | 900 | 63 | 64 | 22 | 0 | 0 | 181 | 76 | 0 | 201 | 152 | 141 |
| CUSTOMER ACCOUNTS EXPENSES | | | | | | | | | | | | | |
| 901 | Supervision | 0 | | | | | | | | 0 | | | |
| 902 | Meter reading labor | 0 | | | | | | | | 0 | | | |
| 903 | Customer records and collection expenses | 27,000 | | | | | | | | 27,000 | | | |
| 904 | Uncollectible accounts | 0 | | | | | | | | 0 | | | |
| 905 | Miscellaneous customer accounts expenses | 0 | | | | | | | | 0 | | | |
| 906 | Customer service and Information Expenses | 0 | | | | | | | | 0 | | | |
| SALES EXPENSES | | | | | | | | | | | | | |
| 910 | Sales Expenses | 0 | | | | | | | | 0 | | | |
| ADMINISTRATIVE & GENERAL EXPENSES | | | | | | | | | | | | | |
| 920 | Administrative and general salaries | 145,000 | 12,091 | 9,791 | 4,732 | 0 | 0 | 27,902 | 11,744 | 2,737 | 30,917 | 23,333 | 21,752 |
| 921 | Office supplies and expenses | 10,000 | 834 | 675 | 326 | 0 | 0 | 1,924 | 810 | 189 | 2,132 | 1,609 | 1,500 |
| 922 | Administrative expenses transferred -- credit | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 923 | Outside services employed | 87,000 | 7,255 | 5,875 | 2,839 | 0 | 0 | 16,741 | 7,046 | 1,642 | 18,550 | 14,000 | 13,051 |
| 924 | Property insurance | 46,900 | 6,573 | 5,033 | 3,086 | 0 | 0 | 14,342 | 3,918 | 0 | 3,120 | 6,090 | 4,739 |
| 925 | Injuries and damages | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 926 | Employee pensions and benefits | 127,900 | 10,665 | 8,636 | 4,174 | 0 | 0 | 24,612 | 10,359 | 2,415 | 27,271 | 20,581 | 19,187 |
| 928 | Regulatory commission expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 929 | Duplicate charges -- credit | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 930 | Miscellaneous general expenses | 5,054 | 421 | 341 | 165 | 0 | 0 | 973 | 409 | 95 | 1,078 | 813 | 758 |
| 931 | Rents | 44,768 | 3,733 | 3,023 | 1,461 | 0 | 0 | 8,615 | 3,626 | 845 | 9,546 | 7,204 | 6,716 |
| 932 | Maintenance of general plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL OPERATION & MAINTENANCE EXPENSES | | 5,306,774 | 4,199,612 | 72,003 | 35,453 | 0 | 0 | 205,194 | 84,245 | 34,924 | 214,594 | 165,687 | 295,061 |

SUMMARY OF ALLOCATION OF OPERATING COSTS TO SERVICE COST FUNCTIONS

| <u>OPERATING COST</u> | EXTRA-CAPACITY | | | | | | | | | | | |
|---|-----------------------|---------------------|---------------|-----------------------|---------------|---------------------|----------------|-------------------|-----------------------|----------------|-------------------|----------------|
| | BASE COSTS | | | EXTRA-CAPACITY | | | | | CUSTOMER COSTS | | | |
| | TOTAL | MAX DAY | | MAX HOUR | | | Billing | Equivalent | Equivalent | Fire | | |
| (\$) | System | Distribution | System | Distribution | System | Distribution | Storage | (\$) | Meter | Service | Protection | |
| | (\$) | (\$) | (\$) | (\$) | (\$) | (\$) | (\$) | (\$) | (\$) | (\$) | (\$) | |
| OPERATION AND MAINTENANCE | 5,306,774 | 4,199,612 | 72,003 | 35,453 | 0 | 0 | 205,194 | 84,245 | 34,924 | 214,594 | 165,687 | 295,061 |
| DEPRECIATION EXPENSE | 310,470 | 66,218 | 5,936 | 31,794 | 0 | 0 | 16,917 | 36,096 | 0 | 68,199 | 52,850 | 32,459 |
| AMORTIZATION EXPENSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TAXES AND TAX EQUIVALENT | 33,100 | 4,639 | 3,552 | 2,178 | 0 | 0 | 10,122 | 2,765 | 0 | 2,202 | 4,298 | 3,345 |
| RETURN ON NET INVESTMENT RATE BASE | 509,977 | 147,716 | 13,843 | 75,515 | 0 | 0 | 39,451 | 58,487 | 0 | 76,348 | 54,494 | 44,122 |
| TOTAL | 6,160,320 | 4,418,185 | 95,335 | 144,940 | 0 | 0 | 271,683 | 181,593 | 34,924 | 361,343 | 277,329 | 374,987 |

CUSTOMER CLASS DEMAND RATIOS

| <u>CUSTOMER CLASS</u> | <u>BASE COSTS</u> | | | | | <u>EXTRA-CAPACITY MAX DAY DEMAND</u> | | | | | <u>EXTRA-CAPACITY MAX HOUR DEMAND</u> | | | | | |
|--------------------------------|---|---------------------------------------|------------------------|--|--|--------------------------------------|--|------------------------|--|--|---------------------------------------|---|------------------------|--|--|---|
| | <u>Annual Volume 1,000 Mgal</u> | <u>Average Day Volume Gal</u> | <u>Percent (%)</u> | <u>System Adjusted Percent (%)</u> | <u>Distribution Adjusted Percent (%)</u> | <u>Extra Capacity Ratio</u> | <u>Volume Rate Gal Per Day</u> | <u>Percent (%)</u> | <u>System Adjusted Percent (%)</u> | <u>Distribution Adjusted Percent (%)</u> | <u>Extra Capacity Ratio</u> | <u>Volume Rate Gal Per Hour</u> | <u>Percent (%)</u> | <u>System Adjusted Percent (%)</u> | <u>Distribution Adjusted Percent (%)</u> | <u>Storage Adjusted Percent (%)</u> |
| Residential | 262,562 | 719,348 | 40.84% | 40.84% | 40.84% | 2.20 | 1,582,565 | 33.59% | 33.59% | 33.59% | 4.60 | 137,875 | 23.71% | 24.49% | 24.49% | 23.71% |
| Multifamily Residential | 77,000 | 210,959 | 11.98% | 11.98% | 11.98% | 1.90 | 400,822 | 8.51% | 8.51% | 8.51% | 4.05 | 35,599 | 6.12% | 6.32% | 6.32% | 6.12% |
| Commercial | 219,384 | 601,052 | 34.12% | 34.12% | 34.12% | 1.65 | 991,736 | 21.05% | 21.05% | 21.05% | 3.50 | 87,653 | 15.07% | 15.57% | 15.57% | 15.07% |
| Industrial | 63,999 | 175,340 | 9.95% | 9.95% | 9.95% | 1.00 | 175,340 | 3.72% | 3.72% | 3.72% | 2.05 | 14,977 | 2.58% | 2.66% | 2.66% | 2.58% |
| Public Authority | 13,557 | 37,142 | 2.11% | 2.11% | 2.11% | 1.65 | 61,285 | 1.30% | 1.30% | 1.30% | 3.50 | 5,417 | 0.93% | 0.96% | 0.96% | 0.93% |
| Public Fire Protection | 6,429 | 17,615 | 1.00% | 1.00% | 1.00% | | 1,500,000 | 31.84% | 31.84% | 31.84% | | 300,000 | 51.59% | 50.00% | 50.00% | 51.59% |
| TOTALS | 642,931 | 1,761,456 | 100% | 100% | 100% | | 4,711,748 | 100% | 100% | 100% | | 581,521 | 100% | 100% | 100% | 100% |

50% 50% <-- Public Fire % Limits --> 50% 50% 80%

Maximum Day Demand = 4,955,589 (GAL/DAY) SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM DAY EXTRA CAPACITY DEMAND

Maximum Hour Demand = 354,181 (GAL/HR) SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM HOUR EXTRA CAPACITY DEMAND

1.63 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX DAY

1.50 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX HOUR

CUSTOMER CLASS ALLOCATION FACTORS

NUMBER OF METERS

| Meter size (inches): | | | | | | | | | | | | | TOTAL | | |
|--------------------------------|--------------|------------|------------|--------------|--------------|------------|--------------|-----------|----------|----------|----------|-----------|--------------|---------------|----------------|
| | 5/8 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 6 | 8 | 10 | 12 | METERS | PERCENT |
| Residential | 7,298 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,316 | 83% |
| Multifamily Residential | 11 | 2 | 60 | 0 | 75 | 24 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 174 | 2% |
| Commercial | 777 | 81 | 214 | 0 | 117 | 80 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 1,284 | 15% |
| Industrial | 2 | 1 | 5 | 0 | 5 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 17 | 0% |
| Public Authority | 3 | 0 | 6 | 0 | 6 | 5 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 27 | 0% |
| TOTALS | 8,091 | 94 | 293 | 0 | 203 | 109 | 0 | 20 | 7 | 1 | 0 | 0 | 0 | 8,818 | 100% |

EQUIVALENT METERS

| ALLOCATION FACTOR: | | | | | | | | | | | | | TOTAL | | |
|--------------------------------|--------------|------------|------------|--------------|--------------|------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|----------------------|----------------|
| | 5/8 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 6 | 8 | 10 | 12 | EQUIV. METERS | PERCENT |
| Meter size (inches): | 5/8 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 6 | 8 | 10 | 12 | | |
| Equiv. meters ratio: | 1.0 | 1.5 | 2.5 | 3.7 | 5.0 | 8.0 | 12.5 | 15.0 | 25.0 | 50.0 | 80.0 | 120.0 | 160.0 | | |
| Residential | 7,298 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,333 | 64% |
| Multifamily Residential | 11 | 3 | 150 | 0 | 375 | 192 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 761 | 7% |
| Commercial | 777 | 122 | 535 | 0 | 585 | 640 | 0 | 150 | 125 | 0 | 0 | 0 | 0 | 2,934 | 26% |
| Industrial | 2 | 2 | 13 | 0 | 25 | 0 | 0 | 45 | 0 | 50 | 0 | 0 | 0 | 136 | 1% |
| Public Authority | 3 | 0 | 15 | 0 | 30 | 40 | 0 | 75 | 50 | 0 | 0 | 0 | 0 | 213 | 2% |
| TOTALS | 8,091 | 141 | 733 | 0 | 1,015 | 872 | 0 | 300 | 175 | 50 | 0 | 0 | 0 | 11,377 | 100% |

EQUIVALENT SERVICES

| ALLOCATION FACTOR: | | | | | | | | | | | | | TOTAL | | |
|--------------------------------|--------------|------------|------------|--------------|--------------|------------|--------------|------------|------------|------------|------------|------------|--------------|------------------------|----------------|
| | 5/8 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 6 | 8 | 10 | 12 | EQUIV. SERVICES | PERCENT |
| Meter size (inches): | 5/8 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 6 | 8 | 10 | 12 | | |
| Equiv. services ratio: | 1.0 | 1.1 | 1.3 | 1.7 | 2.0 | 3.0 | 3.5 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | | |
| Residential | 7,298 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,319 | 78% |
| Multifamily Residential | 11 | 2 | 78 | 0 | 150 | 72 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 321 | 3% |
| Commercial | 777 | 89 | 278 | 0 | 234 | 240 | 0 | 40 | 25 | 0 | 0 | 0 | 0 | 1,683 | 18% |
| Industrial | 2 | 1 | 7 | 0 | 10 | 0 | 0 | 12 | 0 | 6 | 0 | 0 | 0 | 38 | 0% |
| Public Authority | 3 | 0 | 8 | 0 | 12 | 15 | 0 | 20 | 10 | 0 | 0 | 0 | 0 | 68 | 1% |
| TOTALS | 8,091 | 103 | 381 | 0 | 406 | 327 | 0 | 80 | 35 | 6 | 0 | 0 | 0 | 9,429 | 100% |

ALLOCATION OF SERVICE COST FUNCTIONS TO CUSTOMER CLASSES

| | TOTAL | Residential | Multifamily Residential | Commercial | Industrial | Public Authority | Public Fire Protection |
|----------------------------------|--------------|--------------------|------------------------------------|-------------------|-------------------|-----------------------------|-----------------------------------|
| | (\$) | (\$) | (\$) | (\$) | (\$) | (\$) | (\$) |
| BASE COSTS: | | | | | | | |
| SYSTEM | 4,418,185 | 1,804,310 | 529,139 | 1,507,594 | 439,797 | 93,163 | 44,182 |
| DISTRIBUTION | 95,335 | 38,933 | 11,418 | 32,530 | 9,490 | 2,010 | 953 |
| EXTRA-CAPACITY COSTS: | | | | | | | |
| MAXIMUM-DAY SYSTEM | 144,940 | 48,682 | 12,330 | 30,507 | 5,394 | 1,885 | 46,142 |
| MAXIMUM-DAY DISTRIBUTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAXIMUM-HOUR SYSTEM | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAXIMUM-HOUR DISTRIBUTION | 271,683 | 66,528 | 17,178 | 42,295 | 7,227 | 2,614 | 135,842 |
| MAXIMUM-HOUR STORAGE | 181,593 | 43,055 | 11,117 | 27,372 | 4,677 | 1,691 | 93,682 |
| CUSTOMER COSTS: | | | | | | | |
| BILLING | 34,924 | 28,975 | 689 | 5,085 | 67 | 107 | |
| EQUIVALENT METERS | 361,343 | 232,913 | 24,171 | 93,175 | 4,320 | 6,765 | |
| EQUIVALENT SERVICES | 277,329 | 215,274 | 9,447 | 49,508 | 1,106 | 1,994 | |
| FIRE PROTECTION | 374,987 | | | | | | 374,987 |
| TOTAL COST | 6,160,320 | 2,478,670 | 615,488 | 1,788,067 | 472,077 | 110,230 | 695,788 |
| LESS OTHER REVENUE | 337,763 | 109,079 | 25,585 | 74,326 | 19,623 | 4,582 | 104,568 |
| COST OF SERVICE | 5,822,557 | 2,369,592 | 589,904 | 1,713,740 | 452,454 | 105,648 | 591,220 |
| REVENUE AT PRESENT RATES | 5,560,592 | 2,257,681 | 558,464 | 1,631,327 | 428,559 | 99,649 | 584,912 |
| DIFFERENCE | 261,965 | 111,911 | 31,440 | 82,413 | 23,895 | 5,999 | 6,308 |
| PERCENT INCREASE/DECREASE | 4.71% | 4.96% | 5.63% | 5.05% | 5.58% | 6.02% | 1.08% |

Town of Grand Chute Sanitary District No. 1
Comparison of Revenue
at
Present Rates, Cost of Service and Proposed Rates

| <u>Customer Class</u> | <u>Revenue at Present Rates</u> | <u>Cost of Service</u> | | <u>Proposed Rates</u> | | |
|-------------------------|---------------------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|-----------------------------------|
| | | <u>Revenue Required</u> | <u>Increase over Present Rates</u> | <u>Revenue</u> | <u>Increase over Present Rates</u> | <u>Percent of Cost of Service</u> |
| Residential | \$2,257,681 | \$2,369,592 | 4.96% | \$2,374,615 | 5.18% | 100.21% |
| Multifamily Residential | \$558,464 | \$589,904 | 5.63% | \$586,141 | 4.96% | 99.36% |
| Commercial | \$1,631,327 | \$1,713,740 | 5.05% | \$1,715,565 | 5.16% | 100.11% |
| Industrial | \$428,559 | \$452,454 | 5.58% | \$450,678 | 5.16% | 99.61% |
| Public Authority | \$99,649 | \$105,648 | 6.02% | \$105,037 | 5.41% | 99.42% |
| Public Fire Protection | <u>\$584,912</u> | <u>\$591,220</u> | 1.08% | <u>\$591,220</u> | 1.08% | 100.00% |
| Total | <u><u>\$5,560,592</u></u> | <u><u>\$5,822,557</u></u> | <u><u>4.71%</u></u> | <u><u>\$5,823,256</u></u> | <u><u>4.72%</u></u> | <u><u>100.01%</u></u> |

Town of Grand Chute Sanitary District No. 1

Proposed Water Rates and Rules

Docket 2310-WR-104

Town of Grand Chute Sanitary District No. 1

Water Rate File Changes

Amended

PWAC-1

F-1

Upf-1

Mg-1

Mg-2

OC-1

Mpa-1

Ug-1

Sg-1

BW-1

R-1

Cz-1

X-1

X-2

X-3

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Purchased Water Adjustment Clause

Town of Grand Chute Sanitary District No. 1 (utility) may apply a purchased water adjustment clause (PWAC) to its water rates set forth under Schedules F-1 and Mg-1 to reflect an increase or decrease in the rates charged by its wholesale water supplier, Appleton Water Department (wholesaler), **and only when the wholesaler’s rates are adjusted through the conventional rate case process.** Adjustments under this PWAC that result in an increase cannot be effective until the utility has filed the PWAC application with the Public Service Commission (Commission), the utility provides notice to its customers of such change in rates, and the Commission holds a public hearing and authorizes the rate adjustments in a Final Decision.

Calculation of Adjusted Annual Municipal Charge for Public Fire Protection Service - - - F-1

$$AFP = FP + A$$

$$A = N - B$$

Where: AFP = Adjusted annual charge for public fire protection service to the Town of Grand Chute Sanitary District No. 1.

 FP = Current annual charge for public fire protection service under the utility’s Schedule F-1 rate.

 A = New annual wholesale public fire protection service charge less the current annual wholesale public fire protection service charge.

 N = New annual wholesale public fire protection service charge.

 B = Current annual wholesale public fire protection service charge.

Calculation of Adjusted Quarterly Service Charges - - - Mg-1

$$C = Z \times (1 + P)$$

$$P = (N - B) / T$$

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Purchased Water Adjustment Clause

- Where:
- C = Adjusted Schedule Mg-1 quarterly retail service charges rounded up to the nearest cent.
 - Z = Current Schedule Mg-1 quarterly retail service charges.
 - P = Adjustment factor rounded up to the nearest hundredth of a percent, which is four places past the decimal point (.XXXX).
 - N = New quarterly wholesale service charge.
 - B = Current quarterly wholesale service charge.
 - T = Total quarterly dollar revenue from quarterly retail service charges per Schedule Mg-1.

Commodity Charge Adjustment - - - Mg-1

$$AVBR = VBR + A$$

- Where:
- AVBR = Adjusted Schedule Mg-1 retail volume block rates rounded up to the nearest cent.
 - VBR = Current Schedule Mg-1 retail volume block rates.
 - A = New wholesale volume charge less the current wholesale volume charge.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

| |
|--|
| <p>Public Fire Protection Service</p> |
|--|

Public fire protection service includes the use of hydrants for fire protection service only and such quantities of water as may be demanded for the purpose of extinguishing fires within the service area. This service shall also include water used for testing equipment and training personnel. For all other purposes, the metered or other rates set forth, or as may be filed with the Public Service Commission, shall apply.

The annual charge for public fire protection service to the Town of Grand Chute shall be \$591,220. The utility may bill for this amount in equal installments.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Private Fire Protection Service - Unmetered

This service shall consist of permanent or continuous unmetered connections to the main for the purpose of supplying water to private fire protection systems such as automatic sprinkler systems, standpipes, and private hydrants. This service shall also include reasonable quantities of water used for testing check valves and other backflow prevention devices.

Quarterly Private Fire Protection Service Demand Charges:

| | | |
|---------------------------------|----|--------|
| 2 - inch or smaller connection: | \$ | 10.50 |
| 3 - inch connection: | \$ | 19.50 |
| 4 - inch connection: | \$ | 33.00 |
| 6 - inch connection: | \$ | 66.00 |
| 8 - inch connection: | \$ | 105.00 |
| 10 - inch connection: | \$ | 156.00 |
| 12 - inch connection: | \$ | 225.00 |
| 14 - inch connection: | \$ | 228.00 |
| 16 - inch connection: | \$ | 273.00 |

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

General Service - Metered

Quarterly Service Charges:

| | | | |
|---------------------|-----------|------------------|-------------|
| 5/8 - inch meter: | \$ 16.98 | 3 - inch meter: | \$ 162.00 |
| 3/4 - inch meter: | \$ 24.57 | 4 - inch meter: | \$ 249.00 |
| 1 - inch meter: | \$ 37.68 | 6 - inch meter: | \$ 474.00 |
| 1 1/4 - inch meter: | \$ 53.82 | 8 - inch meter: | \$ 744.00 |
| 1 1/2 - inch meter: | \$ 72.00 | 10 - inch meter: | \$ 1,098.00 |
| 2 - inch meter: | \$ 102.00 | 12 - inch meter: | \$ 1,455.00 |

Plus Volume Charges:

| | | | |
|-------|---------|----------------------------|--------------------------|
| First | 30,000 | gallons used each quarter: | \$7.15 per 1,000 gallons |
| Next | 344,000 | gallons used each quarter: | \$7.04 per 1,000 gallons |
| Over | 374,000 | gallons used each quarter: | \$6.93 per 1,000 gallons |

Billing: Bills for water service are rendered quarterly and become due and payable upon issuance following the period for which service is rendered. A late payment charge of 1 percent per month will be added to bills not paid within 20 days of issuance. This late payment charge will be applied to the total unpaid balance for utility service, including unpaid late payment charges. The late payment charge is applicable to all customers. The utility customer may be given a written notice that the bill is overdue no sooner than 20 days after the bill is issued. Unless payment or satisfactory arrangement for payment is made within the next 10 days, service may be disconnected pursuant to Wis. Adm. Code ch. PSC 185.

Combined Metering: Volumetric meter readings will be combined for billing if the utility for its own convenience places more than one meter on a single water service lateral. Multiple meters placed for the purpose of identifying water not discharged into the sanitary sewer are not considered for utility convenience and shall not be combined for billing. This requirement does not preclude the utility from combining readings when metering configurations support such an approach. Meter readings from individually metered separate service laterals shall not be combined for billing purposes.

RATE FILE (*DRAFT*)

Sheet No. 1 of 1

Schedule No. Mg-2

Amendment No. 23

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

| |
|-----------------------------------|
| General Service - Suburban |
|-----------------------------------|

General service water customers residing outside the corporate limits of the Town of Grand Chute shall be billed at the rates for general metered service provided in Schedule Mg-1, plus a 25 percent surcharge.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

| |
|----------------------|
| Other Charges |
|----------------------|

Payment Not Honored by Financial Institution Charge: The utility shall assess a \$15.00 charge when a payment rendered for utility service is not honored by the customer's financial institution. This charge may not be in addition to, but may be inclusive of, other such charges when the payment was for multiple services.

Real Estate Closing Account Charge: The utility shall assess a \$3.00 charge whenever a customer or the customer's agent requests written documentation from the utility of the customer's account status in connection with a real estate closing.

Billing: Same as Schedule Mg-1.

RATE FILE (*DRAFT*)

Sheet No. 1 of 1

Schedule No. Mpa-1

Amendment No. 23

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

| |
|-----------------------|
| Public Service |
|-----------------------|

Metered Service

Water used by the Town of Grand Chute on an intermittent basis for flushing sewers, street washing, flooding skating rinks, drinking fountains, etc., shall be metered and billed according to the rates set forth in Schedule Mg-1.

Unmetered Service

Where it is impossible to meter the service, the utility shall estimate the volume of water used based on the pressure, size of opening, and the period of time the water is used. The estimated quantity shall be billed at the volumetric rates set forth in Schedule Mg-1, excluding any service charges.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

General Water Service - Unmetered

Service may be supplied temporarily on an unmetered basis where the utility cannot immediately install a water meter, including water used for construction. Unmetered service shall be billed the amount that would be charged to a metered residential customer using 9,000 gallons of water quarterly under Schedule Mg-1, including the service charge for a 5/8-inch meter. If the utility determines that actual usage exceeds 9,000 gallons of water quarterly, an additional charge for the estimated excess usage shall be made according to the rates under Schedule Mg-1.

This schedule applies only to customers with a 1-inch or smaller service connection. For customers with a larger service connection, the utility shall install a temporary meter and charges shall be based on the rates set forth under Schedule Mg-1.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

| |
|-------------------------|
| Seasonal Service |
|-------------------------|

Seasonal customers are general service customers who voluntarily request disconnection of water service and who resume service at the same location within 12 months of the disconnection, unless service has been provided to another customer at that location in the intervening period. The utility shall bill seasonal customers the applicable service charges under Schedule Mg-1 year-round, including the period of temporary disconnection.

Seasonal service shall include customers taking service under Schedule Mg-1, Schedule Ug-1, or Schedule Am-1.

Upon reconnection, the utility shall apply a charge under Schedule R-1 and require payment of any unpaid charges under this schedule.

Billing: Same as Schedule Mg-1, unless the utility and customer agree to an alternative payment schedule for the period of voluntary disconnection.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Bulk Water

All bulk water supplied from the water system through hydrants or other connections shall be metered or estimated by the utility. Utility personnel or a party approved by the utility shall supervise the delivery of water.

Bulk water sales are:

- A. Water supplied by tank trucks or from hydrants for the purpose of extinguishing fires outside the utility's service area;
- B. Water supplied by tank trucks or from hydrants for purposes other than extinguishing fires, such as water used for irrigation or filling swimming pools; or,
- C. Water supplied from hydrants or other temporary connections for general service type applications, except that Schedule Ug-1 applies for water supplied for construction purposes.

A service charge of \$35.00 and a charge for the volume of water used shall be billed to the party using the water. The volumetric charge shall be calculated using the highest volumetric rate for residential customers under Schedule Mg-1. In addition, for meters that are assigned to bulk water customers for more than 7 days, the applicable service charge in Schedule Mg-1 will apply after the first 7 days.

The water utility may require a reasonable deposit for the temporary use of its equipment under this and other rate schedules. The deposit(s) collected shall be refunded upon return of the utility's equipment. Damaged or lost equipment shall be repaired or replaced at the customer's expense.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Reconnection Charges

The utility shall assess a charge to reconnect a customer, which includes reinstalling a meter and turning on the valve at the curb stop, if necessary. A utility may not assess a charge for disconnecting a customer.

During normal business hours: \$35.00

After normal business hours: \$50.00

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

| |
|---|
| <p>Water Lateral Installation Charge</p> |
|---|

The utility shall charge a customer for the actual cost of installing a water service lateral from the main through curb stop and box if these costs are not contributed as part of a subdivision development or otherwise recovered under Wis. Stats. Chapter 66.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Utility Operating Rules

Compliance with Rules

All persons now receiving water service from this water utility, or who may request service in the future, shall be considered as having agreed to be bound by the rules and regulations as filed with the Public Service Commission of Wisconsin.

Establishment of Service

Application for water service may be made in writing on a form furnished by the water utility. The application will contain the legal description of the property to be served, the name of the owner, the exact use to be made of the service, and the size of the service lateral and meter desired. Note particularly any special refrigeration, fire protection, or water-consuming air-conditioning equipment.

Service will be furnished only if (1) the premises have a frontage on a properly platted street or public strip in which a cast iron or other long-life water main has been laid, or where the property owner has agreed to and complied with the provisions of the water utility's filed main extension rule, (2) the property owner has installed or agrees to install a service lateral from the curb stop to the point of use that is not less than 6 feet below the surface of an established or proposed grade and meets the water utility's specifications, and (3) the premises have adequate piping beyond the metering point.

The owner of a multi-unit dwelling has the option of being served by individual metered water service to each unit. The owner, by selecting this option, is required to provide interior plumbing and meter settings to enable individual metered service to each unit and individual disconnection without affecting service to other units. Each meter and meter connection will be treated as a separate water utility account for the purpose of the filed rules and regulations.

No division of the water service lateral to any lot or parcel of land shall be made for the extension and independent metering of the supply to an adjoining lot or parcel of land. Except for duplexes, no division of a water service lateral shall be made at the curb for separate supplies for two or more separate premises having frontage on any street or public service strip, whether owned by the same or different parties. Duplexes may be served by one lateral provided (1) individual metered service and disconnection is provided and (2) it is permitted by local ordinance.

Buildings used in the same business, located on the same parcel, and served by a single lateral may have the customer's water supply piping installed to a central point so that volume can be metered in one place.

The water utility may withhold approval of any application where full information of the purpose of such supply is not clearly indicated and set forth by the applicant property owner.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Utility Operating Rules

Reconnection of Service

Where the water utility has disconnected service at the customer’s request, a reconnection charge shall be made when the customer requests reconnection of service. See Schedule R-1 for the applicable rate.

A reconnection charge shall also be required from customers whose services are disconnected (shut off at curb stop box) because of nonpayment of bills when due. See Schedule R-1 for the applicable rate.

If reconnection is requested for the same location by any member of the same household, or, if a place of business, by any partner of the same business, it shall be considered as the same customer.

Temporary Metered Service, Meter, and Deposits

An applicant for temporary water service on a metered basis shall make and maintain a monetary deposit for each meter installed as security for payment for use of water and for such other charges which may arise from the use of the supply. A charge shall be made for setting the valve and furnishing and setting the meter. See Schedule BW-1 for the applicable rate.

Water for Construction

When water is requested for construction purposes or for filling tanks or other such uses, an application shall be made to the water utility, in writing, giving a statement of the amount of construction work to be done or the size of the tank to be filled, etc. Payment for the water for construction may be required in advance at the scheduled rates. The service lateral must be installed into the building before water can be used. No connection with the service lateral at the curb shall be made without special permission from the water utility. In no case will any employee of the water utility turn on water for construction work unless the contractor has obtained permission from the water utility.

Customers shall not allow contractors, masons, or other persons to take unmetered water from their premises without permission from the water utility. Any customer failing to comply with this provision may have water service discontinued and will be responsible for the cost of the estimated volume of water used.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Utility Operating Rules

Use of Hydrants

In cases where no other supply is available, permission may be granted by the water utility to use a hydrant. No hydrant shall be used until the proper meter and valve are installed. In no case shall any valve be installed or moved except by an employee of the water utility.

Before a valve is set, payment must be made for its setting and for the water to be used at the scheduled rates. Where applicable, see Schedule BW-1 for deposits and charges. Upon completing the use of the hydrant, the customer must notify the water utility to that effect.

Operation of Valves and Hydrants and Unauthorized Use of Water - Penalty

Any person who shall, without authority of the water utility, allow contractors, masons, or other unauthorized persons to take water from their premises, operate any valve connected with the street or supply mains, or open any fire hydrant connected with the distribution system, except for the purpose of extinguishing fire, or who shall wantonly damage or impair the same, shall be subject to a fine as provided by municipal ordinance. Utility permission for the use of hydrants applies only to such hydrants that are designated for the specific use.

Refunds of Monetary Deposits

All money deposited as security for payment of charges arising from the use of temporary water service on a metered basis, or for the return of a hydrant valve and fixtures if the water is used on an unmetered basis, will be refunded to the depositor on the termination of the use of water, the payment of all charges levied against the depositor, and the return of the water utility's equipment.

Service Laterals

No water service lateral shall be laid through any trench having cinders, rubbish, rock or gravel fill, or any other material which may cause injury to or disintegration of the service lateral, unless adequate means of protection are provided by sand filling or such other insulation as may be approved by the water utility. Service laterals passing through curb or retaining walls shall be adequately safeguarded by provision of a channel space or pipe casing not less than twice the diameter of the service connection. The space between the service lateral and the channel or pipe casing shall be filled and lightly caulked with an oakum, mastic cement, or other resilient material and made impervious to moisture.

In backfilling the pipe trench, the service lateral must be protected against injury by carefully hand tamping the ground filling around the pipe. There should be at least 6 inches of ground filling over the pipe, and it should be free from hard lumps, rocks, stones, or other injurious material.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Utility Operating Rules

Service Laterals (continued)

All water service laterals shall be of undiminished size from the street main into the point of meter placement. Beyond the meter outlet valve, the piping shall be sized and proportioned to provide, on all floors, at all times, an equitable distribution of the water supply for the greatest probable number of fixtures or appliances operating simultaneously.

Replacement and Repair of Service Laterals

The service lateral from the main to and through the curb stop will be maintained and kept in repair and, when worn out, replaced at the expense of the water utility. The property owner shall maintain the service lateral from the curb stop to the point of use.

If an owner fails to repair a leaking or broken service lateral from the curb to the point of metering or use within such time as may appear reasonable to the water utility after notification has been served on the owner by the water utility, the water will be shut off and will not be turned on again until the repairs have been completed.

Abandonment of Service

If a property owner changes the use of a property currently receiving water service such that water service will no longer be needed in the future, the water utility may require the abandonment of the water service at the water main. In such case, the property owner may be responsible for all removal and/or repair costs, including the water main and the utility portion of the water service lateral.

Charges for Water Wasted Due to Leaks

See Wis. Admin. Code § PSC 185.35 or Schedule X-4, if applicable.

Thawing Frozen Service Laterals

See Wis. Admin. Code § PSC 185.88 or Schedule X-4, if applicable.

Curb Stop Boxes

The curb stop box is the property of the water utility. The water utility is responsible for its repair and maintenance. This includes maintaining, through adjustment, the curb stop box at an appropriate grade level where no direct action by the property owner or occupant has contributed to an elevation problem. The property owner is responsible for protecting the curb stop box from situations that could obstruct access to it or unduly expose it to harm. The water utility shall not be liable for failure to locate the curb stop box and shut off the water in case of a leak on the owner's premises.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Utility Operating Rules

Installation of Meters

Meters will be owned, furnished, and installed by the water utility or a utility-approved contractor and are not to be disconnected or tampered with by the customer. All meters shall be so located that they shall be protected from obstructions and permit ready access for reading, inspection, and servicing, such location to be designated or approved by the water utility. All piping within the building must be supplied by the owner. Where additional meters are desired by the owner, the owner shall pay for all piping. Where applicable, see Schedule Am-1 for rates.

Repairs to Meters

Meters will be repaired by the water utility, and the cost of such repairs caused by ordinary wear and tear will be borne by the water utility.

Repair of any damage to a meter resulting from the carelessness of the owner of the premises, owner's agent, or tenant, or from the negligence of any one of them to properly secure and protect same, including any damage that may result from allowing a water meter to become frozen or to be damaged from the presence of hot water or steam in the meter, shall be paid for by the customer or the owner of the premises.

Service Piping for Meter Settings

Where the original service piping is installed for a new metered customer, where existing service piping is changed for the customer's convenience, or where a new meter is installed for an existing unmetered customer, the owner of the premises at his/her expense shall provide a suitable location and the proper connections for the meter. The meter setting and associated plumbing shall comply with the water utility's standards. The water utility should be consulted as to the type and size of the meter setting.

Turning on Water

The water may only be turned on for a customer by an authorized employee of the water utility. Plumbers may turn the water on to test their work, but upon completion must leave the water turned off.

Sprinkling Restrictions and Emergency Water Conditions

Where the municipality has a policy regarding sprinkling restrictions and/or emergency water conditions, failure to comply with such may result in disconnection of service.

See Wis. Admin. Code § PSC 185.37.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Utility Operating Rules

Failure to Read Meters

Where the water utility is unable to read a meter, the fact will be plainly indicated on the bill, and either an estimated bill will be computed or the minimum charge applied. The difference shall be adjusted when the meter is again read, that is, the bill for the succeeding billing period will be computed with the gallons or cubic feet in each block of the rate schedule doubled, and credit will be given on that bill for the amount of the bill paid the preceding period. Only in unusual cases shall more than three consecutive estimated or minimum bills be rendered.

If the meter is damaged (see Surreptitious Use of Water) or fails to operate, the bill will be based on the average use during the past year, unless there is some reason why the use is not normal. If the average use cannot be properly determined, the bill will be estimated by some equitable method.

See Wis. Admin. Code § PSC 185.33.

Complaint Meter Tests

See Wis. Admin. Code § PSC 185.77.

Inspection of Premises

During reasonable hours, any officer or authorized employee of the water utility shall have the right of access to the premises supplied with service for the purpose of inspection or for the enforcement of the water utility's rules and regulations. Whenever appropriate, the water utility will make a systematic inspection of all unmetered water taps for the purpose of checking waste and unnecessary use of water.

See Wis. Stat. § 196.171.

Vacation of Premises

When premises are to be vacated, the water utility shall be notified, in writing, at once, so that it may remove the meter and shut off the water supply at the curb stop. The owner of the premises shall be liable for prosecution for any damage to the water utility's property. See "Abandonment of Service" in Schedule X-1 for further information.

Deposits for Residential Service

See Wis. Admin. Code § PSC 185.36.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Utility Operating Rules

Deposits for Nonresidential Service

See Wis. Admin. Code § PSC 185.361.

Deferred Payment Agreement

See Wis. Admin. Code § PSC 185.38 or Schedule X-4, if applicable.

Dispute Procedures

See Wis. Admin. Code § PSC 185.39.

Disconnection and Refusal of Service

See Wis. Admin. Code § PSC 185.37.

The following is an example of a disconnection notice that the utility may use to provide the required notice to customers.

DISCONNECTION NOTICE

Dear Customer:

The bill enclosed with this notice includes your current charge for water utility service and your previous unpaid balance.

You have 10 days to pay the water utility service arrears or your service is subject to disconnection.

If you fail to pay the service arrears or fail to contact us within the 10 days allowed to make reasonable deferred payment arrangement or other suitable arrangement, we will proceed with disconnection action.

To avoid the inconvenience of service interruption and an additional charge of (amount) for reconnection, we urge you to pay the full arrears IMMEDIATELY AT ONE OF OUR OFFICES.

If you have entered into a Deferred Payment Agreement with us and have failed to make the deferred payments you agreed to, your service will be subject to disconnection unless you pay the entire amount due within 10 days.

If you have a reason for delaying the payment, call us and explain the situation.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Utility Operating Rules

Disconnection and Refusal of Service (continued)

DISCONNECTION NOTICE (continued)

PLEASE CALL THIS TELEPHONE NUMBER, (telephone number), IMMEDIATELY IF:

1. You dispute the notice of delinquent account.
2. You have a question about your water utility service arrears.
3. You are unable to pay the full amount of the bill and are willing to enter into a deferred payment agreement with us.
4. There are any circumstances you think should be taken into consideration before service is discontinued.
5. Any resident is seriously ill.

Illness Provision: If there is an existing medical emergency in your home and you furnish the water utility with a statement signed by either a licensed Wisconsin physician or a public health official, we will delay disconnection of service up to 21 days. The statement must identify the medical emergency and specify the period of time during which disconnection will aggravate the existing emergency.

Deferred Payment Agreements: If you are a residential customer and you are unable to pay the full amount of the water utility service arrears on your bill, you may contact the water utility to discuss arrangements to pay the arrears over an extended period of time.

This time payment agreement will require:

1. Payment of a reasonable amount at the time the agreement is made.
2. Payment of the remainder of the outstanding balance in monthly installments over a reasonable length of time.
3. Payment of all future water utility service bills in full by the due date.

In any situation where you are unable to resolve billing disputes or disputes about the grounds for proposed disconnection through contacts with our water utility, you may make an appeal to the Public Service Commission of Wisconsin by calling (800) 225-7729.

(WATER UTILITY NAME)

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Utility Operating Rules

Collection of Overdue Bills

An amount owed by the customer may be levied as a tax as provided in Wis. Stat. § 66.0809.

Surreptitious Use of Water

When the water utility has reasonable evidence that a person is obtaining water, in whole or in part, by means of devices or methods used to stop or interfere with the proper metering of the water utility service being delivered, the water utility reserves the right to estimate and present immediately a bill for unmetered service as a result of such interference, and such bill shall be payable subject to a 24-hour disconnection of service. If the water utility disconnects the service for any such reason, the water utility will reconnect the service upon the following conditions:

- A. The customer will be required to deposit with the water utility an amount sufficient to guarantee the payment of the bills for water utility service.
- B. The customer will be required to pay the water utility for any and all damages to water utility equipment resulting from such interference with the metering.
- C. The customer must further agree to comply with reasonable requirements to protect the water utility against further losses.

See Wis. Stat. §§ 98.26 and 943.20.

Repairs to Mains

The water utility reserves the right to shut off the water supply in the mains temporarily to make repairs, alterations, or additions to the plant or system. When the circumstances will permit, the water utility will give notification, by newspaper publication or otherwise, of the discontinuance of the water supply. No credit will be allowed to customers for such temporary suspension of the water supply.

See Wis. Admin. Code § PSC 185.87.

Duty of Water Utility with Respect to Safety of the Public

It shall be the duty of the water utility to see that all open ditches for water mains, hydrants, and service laterals are properly guarded to prevent accident to any person or vehicle, and at night there shall be displayed proper signal lighting to insure the safety of the public.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Utility Operating Rules

Handling Water Mains and Service Laterals in Excavation Trenches

Contractors must call Digger’s Hotline and ensure a location is done to establish the existence and location of all water mains and service laterals as provided in Wis. Stat. § 182.0175. Where water mains or service laterals have been removed, cut, or damaged during trench excavation, the contractors must, at their own expense, cause them to be replaced or repaired at once. Contractors must not shut off the water service laterals to any customer for a period exceeding 6 hours.

Protective Devices

- A. Protective Devices in General: The owner or occupant of every premise receiving water supply shall apply and maintain suitable means of protection of the premise supply and all appliances against damage arising in any manner from the use of the water supply, variation of water pressure, or any interruption of water supply. Particularly, such owner or occupant must protect water-cooled compressors for refrigeration systems by means of high and/or low pressure safety cutout devices. There shall likewise be provided means for the prevention of the transmission of water ram or noise of operation of any valve or appliance through the piping of their own or adjacent premises.
- B. Relief Valves: On all "closed systems" (i.e., systems having a check valve, pressure regulator, reducing valve, water filter, or softener), an effective pressure relief valve shall be installed at or near the top of the hot water tank or at the hot water distribution pipe connection to the tank. No stop valve shall be placed between the hot water tank and the relief valve or on the drain pipe. See applicable plumbing codes.
- C. Air Chambers: An air chamber or approved shock absorber shall be installed at the terminus of each riser, fixture branch, or hydraulic elevator main for the prevention of undue water hammer. The air chamber shall be sized in conformance with local plumbing codes. Where possible, the air chamber should be provided at its base with a valve for water drainage and replenishment of air.

Cross-Connections

Every person owning or occupying a premise receiving municipal water supply shall maintain such municipal water supply free from any connection, either of a direct or of an indirect nature, with a water supply from a foreign source or of any manner of connection with any fixture or appliance whereby water from a foreign supply or the waste from any fixture, appliance, or waste or soil pipe may flow or be siphoned or pumped into the piping of the municipal water system.

See Wis. Admin. Code § NR 811.06.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Main Extension Rule

Water mains will be extended for new customers on the following basis:

- A. Where the cost of the extension is to immediately be collected through assessment by the municipality against the abutting property, the procedure set forth under Wis. Stat. § 66.0703 will apply, and no additional customer contribution to the utility will be required.

- B. Where the municipality is unwilling or unable to make a special assessment, the extension will be made on a customer-financed basis as follows:
 - 1. The applicant(s) will advance as a contribution in aid of construction the total amount equivalent to that which would have been assessed for all property under paragraph A.

 - 2. Part of the contribution required in paragraph B.1. will be refundable. When additional customers are connected to the extended main within 10 years of the date of completion, contributions in aid of construction will be collected equal to the amount which would have been assessed under paragraph A. for the abutting property being served. This amount will be refunded to the original contributor(s). In no case will the contributions received from additional customers exceed the proportionate amount which would have been required under paragraph A., nor will it exceed the total assessable cost of the original extension.

- C. When a customer connects to a transmission main or connecting loop installed at utility expense within 10 years of the date of completion, there will be a contribution required of an amount equivalent to that which would have been assessed under paragraph A.

Public Service Commission of Wisconsin

Town of Grand Chute Sanitary District No. 1

Water Main Installations in Platted Subdivisions

Application for installation of water mains in regularly platted real estate development subdivisions shall be filed with the utility.

If the developer, or a contractor employed by the developer, is to install the water mains (with the approval of the utility), the developer shall be responsible for the total cost of construction.

If the utility or its contractor is to install the water mains, the developer shall be required to advance to the utility, prior to the beginning of the construction, the total estimated cost of the extension. If the final costs exceed estimated costs, an additional billing will be made for the balance of the cost due. This balance is to be paid within 30 days. If final costs are less than estimated, a refund of the overpayment will be made by the water utility.

Town of Grand Chute Sanitary District No. 1
Customer Water Bill Comparison at Present and Proposed Rates

| Customer Type | Meter Size | Volume (1000 Gallons) | <u>Quarterly</u> | | Percent Change |
|-------------------------|------------|-----------------------------|-----------------------|-----------------------|----------------|
| | | | Bills at Old Rates | Bills at New Rates | |
| Small Residential | 5/8" | 5 | \$ 49.70 | \$ 52.73 | 6.10% |
| Average Residential | 5/8" | 9 | \$ 77.34 | \$ 81.33 | 5.16% |
| Large Residential | 5/8" | 15 | \$ 118.80 | \$ 124.23 | 4.57% |
| Large Residential | 5/8" | 25 | \$ 187.90 | \$ 195.73 | 4.17% |
| Large Residential | 5/8" | 100 | \$ 694.95 | \$ 724.28 | 4.22% |
| Multifamily Residential | 1" | 600 | \$ 4,052.24 | \$ 4,240.12 | 4.64% |
| Multifamily Residential | 2" | 700 | \$ 4,767.64 | \$ 4,997.44 | 4.82% |
| Multifamily Residential | 2" | 800 | \$ 5,426.64 | \$ 5,690.44 | 4.86% |
| Multifamily Residential | 3" | 700 | \$ 4,821.64 | \$ 5,057.44 | 4.89% |
| Commercial | 2" | 1,700 | \$ 11,357.64 | \$ 11,927.44 | 5.02% |
| Commercial | 3" | 2,000 | \$ 13,388.64 | \$ 14,066.44 | 5.06% |
| Commercial | 4" | 1,900 | \$ 12,807.64 | \$ 13,460.44 | 5.10% |
| Commercial | 4" | 2,000 | \$ 13,466.64 | \$ 14,153.44 | 5.10% |
| Industrial | 1 1/2" | 2,100 | \$ 13,963.64 | \$ 14,669.44 | 5.05% |
| Industrial | 3" | 500 | \$ 3,503.64 | \$ 3,671.44 | 4.79% |
| Industrial | 6" | 750 | \$ 5,430.14 | \$ 5,715.94 | 5.26% |
| Industrial | 6" | 15,000 | \$ 99,337.64 | \$ 104,468.44 | 5.17% |
| Public Authority | 2" | 150 | \$ 1,107.30 | \$ 1,161.30 | 4.88% |
| Public Authority | 3" | 200 | \$ 1,498.80 | \$ 1,573.30 | 4.97% |
| Public Authority | 3" | 1,300 | \$ 8,775.64 | \$ 9,215.44 | 5.01% |
| Public Authority | 4" | 1,500 | \$ 10,171.64 | \$ 10,688.44 | 5.08% |

| Check Number | Check Issue Date | Payee | Invoice Number | Description | Invoice GL Account | Check Amount |
|---------------|------------------|--------------------------|----------------|----------------------------------|--------------------|--------------|
| Total 95862: | | | | | | 48,369.21 |
| 95863 | 09/15/2020 | PUBLIC SERVICE COMMISSIO | 2007-I-02310 | PSC DIRECT ASSESSMENT | 61-01-92301-210 | 420.61 |
| Total 95863: | | | | | | 420.61 |
| 95867 | 09/15/2020 | STRATEGIC INSIGHTS INC | 164 | PLAN-IT SOFTWARE RENEWAL | 61-01-92300-295 | 108.75 |
| 95867 | 09/15/2020 | STRATEGIC INSIGHTS INC | 164 | PLAN-IT SOFTWARE RENEWAL | 62-02-85100-295 | 108.75 |
| 95867 | 09/15/2020 | STRATEGIC INSIGHTS INC | 164 | PLAN-IT SOFTWARE RENEWAL | 63-03-82000-295 | 108.75 |
| Total 95867: | | | | | | 326.25 |
| 95871 | 09/15/2020 | WISCONSIN LAKE & POND RE | 26409 | 2020 FOREST VIEW POND MANAGEMENT | 63-03-82000-360 | 438.45 |
| Total 95871: | | | | | | 438.45 |
| Grand Totals: | | | | | | 95,833.27 |

Dave Schowalter, President: _____

Jeff Nooyen, Commissioner: _____

Travis Thyssen, Commissioner: _____

Brad Gehring, Commissioner: _____

Jeff Ings, Commissioner: _____

Angie Cain, Secretary: _____

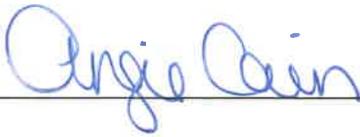
Julie M. Wahlen, Treasurer: _____

| Check Number | Check Issue Date | Payee | Invoice Number | Description | Invoice GL Account | Check Amount |
|--------------|------------------|--------------------------|----------------|---|--------------------|--------------|
| 95833 | 09/10/2020 | PRIMADATA LLC | 51740 | UTILITY BILLING (CYCLE 2) | 61-01-92100-310 | 168.48 |
| 95833 | 09/10/2020 | PRIMADATA LLC | 51740 | UTILITY BILLING (CYCLE 2) | 62-02-85100-310 | 126.36 |
| 95833 | 09/10/2020 | PRIMADATA LLC | 51740 | UTILITY BILLING (CYCLE 2) | 63-03-82000-310 | 84.24 |
| 95833 | 09/10/2020 | PRIMADATA LLC | 51741 | UTILITY BILL POSTAGE (CYCLE 2) | 62-02-85100-311 | 723.72 |
| 95833 | 09/10/2020 | PRIMADATA LLC | 51741 | UTILITY BILL POSTAGE (CYCLE 2) | 61-01-90300-311 | 723.72 |
| 95833 | 09/10/2020 | PRIMADATA LLC | 51741 | UTILITY BILL POSTAGE (CYCLE 2) | 63-03-82000-311 | 361.87 |
| Total 95833: | | | | | | 2,188.39 |
| 95838 | 09/15/2020 | AYRES ASSOCIATES | 188304 | DESIGN/CONSTR SVCS N MCCARTHY ROAD | 63-00-10700 | 2,748.50 |
| 95838 | 09/15/2020 | AYRES ASSOCIATES | 188304 | DESIGN/CONSTR SVCS N MCCARTHY ROAD | 61-00-10700 | 179.25 |
| 95838 | 09/15/2020 | AYRES ASSOCIATES | 188304 | DESIGN/CONSTR SVCS N MCCARTHY ROAD | 62-00-10700 | 179.25 |
| Total 95838: | | | | | | 3,107.00 |
| 95844 | 09/15/2020 | D&D EXCAVATING | 40412 | 12 YDS PULVERIZED TOP SOIL | 63-03-82000-360 | 252.00 |
| Total 95844: | | | | | | 252.00 |
| 95849 | 09/15/2020 | GRAND CHUTE UTILITIES | 083120-LS3 | STORM WATER CHRQ-WILLIAMS LIFT STATION | 62-02-82100-220 | 6.74 |
| Total 95849: | | | | | | 6.74 |
| 95850 | 09/15/2020 | GREEN BAY HIGHWAY PRODU | 37213 | CULVERT MATERIALS FOR HEATHER AVE | 63-03-82000-360 | 230.52 |
| Total 95850: | | | | | | 230.52 |
| 95854 | 09/15/2020 | MCC INC | 237473 | 2 TON HOT MIX ASPHALT | 61-01-67300-390 | 116.20 |
| Total 95854: | | | | | | 116.20 |
| 95855 | 09/15/2020 | MCMAHON | 0919716 | 2020 ECOLOGICAL SERVICES | 63-03-82000-290 | 4,322.95 |
| Total 95855: | | | | | | 4,322.95 |
| 95856 | 09/15/2020 | NORTHEAST ASPHALT INC | 2019-05C-EIG | PAY REQ 8- N MCCARTHY RD RECONSTRUCTION | 62-00-10700 | 7,260.00 |
| 95856 | 09/15/2020 | NORTHEAST ASPHALT INC | 2019-05C-EIG | PAY REQ 8- N MCCARTHY RD RECONSTRUCTION | 63-00-10700 | 9,372.00 |
| Total 95856: | | | | | | 16,632.00 |
| 95859 | 09/15/2020 | OUTAGAMIE COUNTY TREAS | 1018241 | ENGINEERING SVCS ON SCHROTH BRIDGE | 63-00-10700 | 48.90 |
| Total 95859: | | | | | | 48.90 |
| 95860 | 09/15/2020 | PJK CO INC | 10022405 | BERG LIFT STATION LEVEL TRANSMITTER REPLA | 62-02-83400-390 | 2,616.05 |
| Total 95860: | | | | | | 2,616.05 |
| 95861 | 09/15/2020 | PRECISION SEALCOATING IN | 01232 | STREET SWEEPING 8-10-20 THRU 8-13-20 | 63-03-82000-290 | 8,721.00 |
| 95861 | 09/15/2020 | PRECISION SEALCOATING IN | 01239 | STREET SWEEPING 8-24-20 THRU 8-29-20 | 63-03-82000-290 | 8,037.00 |
| Total 95861: | | | | | | 16,758.00 |
| 95862 | 09/15/2020 | PTS CONTRACTORS INC | 2020-11- FIVE | PAY REQ 4-NICOLET RD WATERMAIN RELAY | 61-00-10700 | 48,369.21 |

| Check Issue Date | Payee | Invoice Number | Description | Invoice GL Acct | Check Amount |
|------------------|---------------------|----------------|--|-----------------|--------------|
| 61 | | | | | |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-1 | CC-CINTAS CORPUNIFORMS SAN 1 DEPARTMENT | 61-01-66500-291 | 26.83 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-1 | CC-MENARDS APPLETON WEST WIDISTILLED WATER | 61-01-64200-390 | 9.48 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-1 | CC-FERGUSON WTRWRKS #1476HYDRAULIC GREASE | 61-01-67700-390 | 35.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-1 | CC-FERGUSON WTRWRKS #14768 HYMAX 2 REP COUP | 61-01-67300-390 | 608.46 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-1 | CC-CINTAS CORPUNIFORMS SAN 1 DEPARTMENT | 61-01-66500-291 | 26.83 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-1 | CC-AIRGAS USA, LLOCOXYGEN & ACETYLENE | 61-01-64200-390 | 103.46 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-LOCTITE PRO LIQUID SUPER GLUE | 61-01-64200-390 | 5.97 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-PITNEY BOWES PIQuarterly Meter Rental | 61-01-92300-295 | 21.60 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-CLEAN WATER TESTING LLCWATER TESTING SERVICES | 61-01-67300-390 | 256.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-CLEAN WATER TESTING LLCLEAD/COPPER WATER TESTING | 61-01-67300-390 | 648.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-LAWSON PRODUCTS MISC SS HEX CAP SCREWS/NUTS | 61-01-67300-390 | 155.88 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-EBAY O*04-05489-31199Network Switches | 61-00-39110 | 400.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-AMZN MKTP US*MF2IO6GI1Printers | 61-00-39110 | 24.10 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-FERGUSON WTRWRKS #1476VALVE BOX RISERS | 61-01-67300-390 | 216.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-BENS SMALL ENGINE FIRE HYDRANT PUMP REPAIR PARTS | 61-01-67700-390 | 36.72 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-FERGUSON WTRWRKS #1476MISC WATERMAIN REPAIR CLAMPS | 61-01-67300-390 | 885.93 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-3 | CC-CLEAN WATER TESTING LLCWATER TESTING SERVICES | 61-01-67300-390 | 144.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-4 | CC-CINTAS CORPUNIFORMS SAN 1 DEPARTMENT | 61-01-66500-291 | 26.83 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-6 | CC-FERGUSON WTRWRKS #1476VALVE BOX BASE/3/4X3-1/2 316SS T- | 61-01-67300-390 | 1,010.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-8 | CC-CINTAS CORPUNIFORMS SAN 1 DEPARTMENT | 61-01-66500-291 | 26.83 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-9 | CC-VZWLSS*APOCC VISBWater Tower Cell Bill | 61-01-92100-221 | 19.77 |
| Total 200831300: | | | | | 4,687.69 |
| 09/01/2020 | DTCC | 090120 | 2012 DEBT INTEREST | 61-01-43000-620 | 2,305.00 |
| Total 200901002: | | | | | 2,305.00 |
| Total 61: | | | | | 6,992.69 |
| 62 | | | | | |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-1 | CC-CINTAS CORPUNIFORMS SAN 2 DEPARTMENT | 62-02-82700-291 | 26.84 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-UNIFORMS SAN 2 DEPARTMENT | 62-02-82700-291 | 26.84 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-IN *FOX VALLEY SAFETY & TGAS METER FOR LIFT STATIONS | 62-02-82700-340 | 110.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-PITNEY BOWES PIQuarterly Meter Rental | 62-02-85100-295 | 21.60 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-GRAINGER CONDUIT OUTLET BODY PVC/COMPRESSION COUPLI | 62-02-82700-340 | 37.64 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-EBAY O*04-05489-31199Network Switches | 62-00-39110 | 400.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-AMZN MKTP US*MF2IO6GI1Printers | 62-00-39110 | 24.10 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-GRAINGER HOLE SAW FOR MANHOLE REPAIRS | 62-02-82700-340 | 9.70 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-GRAINGER FLOAT FOR PLEASANT VIEW CT MANHOLE | 62-02-82700-340 | 63.49 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-MENARDS APPLETON WEST WICONDUIT REPAIR AT BERG LIFT S | 62-02-83200-390 | 8.10 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-4 | CC-CINTAS CORPUNIFORMS SAN 2 DEPARTMENT | 62-02-82700-291 | 26.84 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-5 | CC-IN *FOX VALLEY SAFETY & TGAS METER FOR LIFT STATIONS | 62-02-82700-340 | 110.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-8 | CC-CINTAS CORPUNIFORMS SAN 2 DEPARTMENT | 62-02-82700-291 | 26.84 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-9 | CC-VZWLSS*APOCC VISBWater Tower Cell Bill | 62-02-85100-295 | 19.77 |
| Total 200831300: | | | | | 911.76 |
| Total 62: | | | | | 911.76 |
| 63 | | | | | |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-1 | CC-FERGUSON WTRWRKS #147615X20 HDPE PIPE/15 GALV FLR END | 63-03-82000-360 | 516.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-1 | CC-GRAINGER CONTACT BLOCK/MINI INCANDESCENT BULB | 63-03-82000-360 | 73.47 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-PITNEY BOWES PIQuarterly Meter Rental | 63-03-82000-295 | 21.60 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-EBAY O*04-05489-31199Network Switches | 63-00-37200 | 400.00 |
| 08/31/2020 | US BANK CREDIT CARD | USB-AUG20-2 | CC-AMZN MKTP US*MF2IO6GI1Printers | 63-00-37200 | 24.10 |

| Check Issue Date | Payee | Invoice Number | Description | Invoice GL Acct | Check Amount |
|------------------|-------|----------------|-------------------|-----------------|--------------|
| Total 200831300: | | | | | 1,035.17 |
| 09/03/2020 | PSN | 221895 | SEPTEMBER BILLING | 63-03-82000-290 | 64.95 |
| Total 200903001: | | | | | 64.95 |
| Total 63: | | | | | 1,100.12 |
| Grand Totals: | | | | | 9,004.57 |

Angie Cain, Secretary:



Date:



**TOWN OF GRAND CHUTE
SANITARY DISTRICT #1
2020 BUDGET STATEMENT
AUGUST 2020**

| | 2020 BUDGET | CURRENT MONTH | 2020 YTD | % | REMAINING BUDGET |
|----------------------------|------------------|------------------|------------------|------------|---------------------|
| EXPENSES | | | | | |
| PERSONNEL | 663,000 | 49,697 | 356,626 | 54% | 306,374 |
| OPERATIONS AND MAINTENANCE | 5,633,025 | 653,619 | 2,082,794 | 37% | 3,550,231 |
| Subtotal-Operating Expense | 6,296,025 | 703,315 | 2,439,420 | 39% | 3,856,605 |
| DEBT SERVICE | 350,000 | - | 185,000 | 53% | 165,000 |
| CAPITAL IMPROVEMENTS | 1,779,876 | 255,724 | 1,270,556 | 71% | 509,320 |
| Subtotal-Capital Expenses | 2,129,876 | 255,724 | 1,455,556 | 68% | 674,320 |
| TOTAL EXPENSE | 8,425,901 | 959,039 | 3,894,976 | 46% | 4,530,925 |
| REVENUES | | | | | |
| Operating Revenues | 6,458,377 | 964,357 | 3,545,865 | 55% | 2,912,512 |
| Capital Revenues | 107,500 | 525 | 283,160 | 263% | -175,660 |
| TOTAL REVENUES | 6,565,877 | 964,882 | 3,829,026 | 58% | 2,736,851 |
| Operating Net Income | 162,352 | | 1,106,445.14 | | |

**TOWN OF GRAND CHUTE
SANITARY DISTRICT #2
2020 BUDGET STATEMENT
AUGUST 2020**

| | 2020 BUDGET | CURRENT MONTH | 2020 YTD | % BUDGET | REMAINING BUDGET |
|--|----------------|------------------|-------------|-------------|---------------------|
|--|----------------|------------------|-------------|-------------|---------------------|

EXPENSES

| | | | | | |
|----------------------------|-----------|---------|-----------|-----|-----------|
| PERSONNEL | 455,790 | 29,111 | 253,707 | 56% | 202,083 |
| OPERATIONS AND MAINTENANCE | 2,735,153 | 167,523 | 1,020,423 | 37% | 1,714,730 |
| Subtotal-Operating Expense | 3,190,943 | 196,633 | 1,274,130 | 40% | 1,916,813 |

| | | | | | |
|---------------------------|---------|-----|--------|-----|---------|
| DEBT SERVICE | 90,000 | - | 40,000 | 44% | 50,000 |
| CAPITAL IMPROVEMENTS | 241,626 | 788 | 56,730 | 23% | 184,896 |
| Subtotal-Capital Expenses | 331,626 | 788 | 96,730 | 29% | 234,896 |

| | | | | | |
|----------------------|------------------|----------------|------------------|------------|------------------|
| TOTAL EXPENSE | 3,522,569 | 197,421 | 1,370,860 | 39% | 2,151,709 |
|----------------------|------------------|----------------|------------------|------------|------------------|

REVENUES

| | | | | | |
|--------------------|-----------|---------|-----------|-----|-----------|
| Operating Revenues | 3,385,500 | 448,283 | 1,941,098 | 57% | 1,444,402 |
|--------------------|-----------|---------|-----------|-----|-----------|

| | | | | | |
|------------------|---------|-----|---------|------|----------|
| Capital Revenues | 104,250 | 197 | 167,944 | 161% | (63,694) |
|------------------|---------|-----|---------|------|----------|

| | | | | | |
|-----------------------|------------------|----------------|------------------|------------|------------------|
| TOTAL REVENUES | 3,489,750 | 448,480 | 2,109,042 | 60% | 1,380,708 |
|-----------------------|------------------|----------------|------------------|------------|------------------|

| | | | | | |
|----------------------|---------|--|---------|--|--|
| Operating Net Income | 194,557 | | 666,969 | | |
|----------------------|---------|--|---------|--|--|

**TOWN OF GRAND CHUTE
SANITARY DISTRICT #3
2020 BUDGET STATEMENT
AUGUST 2020**

| | 2020 BUDGET | CURRENT MONTH | 2020 YTD | % BUDGET | REMAINING BUDGET |
|----------------------------|------------------|------------------|------------------|-------------|---------------------|
| EXPENSES | | | | | |
| PERSONNEL | 381,520 | 31,957 | 221,343 | 58% | 160,177 |
| OPERATIONS AND MAINTENANCE | 1,200,704 | 37,105 | 285,503 | 24% | 915,201 |
| Subtotal-Operating Expense | 1,582,224 | 69,061 | 506,847 | 32% | 1,075,377 |
| DEBT SERVICE | 405,000 | - | 235,000 | 58% | 170,000 |
| CAPITAL IMPROVEMENTS | 1,304,476 | 15,080 | 576,095 | 44% | 728,381 |
| Subtotal-Capital Expenses | 1,709,476 | 15,080 | 811,095 | 47% | 898,381 |
| TOTAL EXPENSE | 3,291,700 | 84,141 | 1,317,942 | 40% | 1,973,758 |
| REVENUES | | | | | |
| Operating Revenues | 3,210,500 | 506,655 | 1,968,167 | 61% | 1,242,333 |
| Capital Revenues | 152,250 | 178 | 297,852 | 196% | -145,602 |
| TOTAL REVENUES | 3,362,750 | 506,833 | 2,266,018 | 67% | 1,096,732 |
| Operating Net Income | 1,628,276 | | 1,461,320 | | |

**TOWN OF GRAND CHUTE
EAST SIDE UTILITY DISTRICT
2020 BUDGET STATEMENT
AUGUST 2020**

| | 2020 BUDGET | CURRENT MONTH | 2020 YTD | % BUDGET | REMAINING BUDGET |
|-----------------------------|----------------|------------------|---------------|-------------|---------------------|
| EXPENSES | | | | | |
| PERSONNEL | 10,300 | - | - | 0% | 10,300 |
| OPERATIONS AND MAINTENANCE | 29,140 | 103 | 3,850 | 13% | 25,290 |
| Subtotal-Operating Expense | 39,440 | 103 | 3,850 | 10% | 35,590 |
| CAPITAL IMPROVEMENTS | | | | | |
| CAPITAL IMPROVEMENTS | - | - | - | 0% | - |
| Subtotal-Capital Expenses | - | - | - | 0% | 0 |
| TOTAL EXPENSE | 39,440 | 103 | 3,850 | 10% | 35,590 |
| REVENUES | | | | | |
| Operating Revenues | 43,771 | 3,782 | 35,420 | 81% | 8,351 |
| TOTAL REVENUES | 43,771 | 3,782 | 35,420 | 81% | 8,351 |
| Operating Net Income | 4,331 | 3,680 | 31,570 | | |



AGENDA REQUEST
9/15/2020

TOPIC: Authorization to purchase a 2020 Cummins 50/60 Hz-150kW diesel generator from Cummins, Inc. at a state bid of \$86,912.68 (budgeted item).

| | |
|---|---|
| <input checked="" type="checkbox"/> New Business <input type="checkbox"/> Unfinished Business <input type="checkbox"/> Reports <input type="checkbox"/> Closed Session <input type="checkbox"/> Ordinance/Resolution | Meeting: Sanitary District 2 |
| Department Reporting: Public Works | Submitted By: Katie Schwartz, P.E., Director PW |

ISSUE: Our current 1980 Magna One 50Kw generator (Unit #102) has exceeded its useful life and should be considered for replacement due to the limited availability of service and repair parts and overall condition. This unit is undersized and not compatible with several of the newer lift stations throughout Town and cannot be used to supply backup power to them in the event of an emergency.

BACKGROUND/ANALYSIS:

This unit would be a replacement for our current 1980 Magna One generator (Unit #102). The generator is needed for the lift stations that do not have a permanent generator present. Without reliable generators we could face sewer backups in homes during an extended power outage. Cummins is currently the only vendor in the State available for utilizing the Sourcewell State bid program for a generator that met the specifications and voltage necessary for our lift stations so only one quote was received at \$86,912.68 (\$95,000 was budgeted).

RECOMMENDATION: Staff recommends that the Sanitary Commission authorize the purchase of a 2020 Cummins 50/60 Hz-150kW diesel generator from Cummins, Inc. at a state bid of \$86,912.68.

FISCAL IMPACT: CIP
\$95,000 was included in the 2020 CIP for the generator in SAN #2.

ATTACHMENTS:

Attachment No. 1 - Quote from Cummins
Attachment No. 2 - Specifications



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Quotation

Cummins Sales and Service
875 Lawrence Drive
De Pere WI 54115-5070 United States
Direct: (920) 338-5986
July 30, 2020

Project Name: Town of Grand Chute 150kW Trailer Set Budget 2020

Quotation: 375000000759104

Thank you for your inquiry. We are pleased to quote as follows:

| | | USD |
|-------------------------------------|--|-----|
| Item | Description | Qty |
| Rental Genset: 50/60Hz-150kW | | |
| Install-US-Nonroad | U.S. EPA, Nonroad (Portable) Application | 1 |
| C150D2RE | Genset-Diesel,50/60 Hz,150 kW,Standby-Rental | 1 |
| A122-2 | Duty Rating-Prime Power | 1 |
| L230-2 | Emissions-Compliance EPA Tier 4 Final Certified | 1 |
| R175-2 | Voltage 208-480 Variable | 1 |
| B975-2 | Alt-60Hz, 208/416-240/480 Volt, 125/80C (S/P) | 1 |
| C281-2 | UN31A (Canada) Certified Fuel Tank | 1 |
| KX21-2 | Generator Set Control-PowerCommand 3.3, Paralleling with MLD | 1 |
| KX06-2 | Distribution Panel-Rental Bus Bar Connection | 1 |
| F239-2 | Electric Brake Trailer | 1 |
| F244-2 | HITCH, PINTLE | 1 |
| A452-2 | Packaging - Cummins Power Generation | 1 |
| L231-2 | Auxiliary Fuel and DEF Connections | 1 |
| J061-2 | Quick Fit Kit | 1 |
| H013-2 | Heater-Engine Oil | 1 |
| F248-2 | Cam Lock Distribution Panel-U.S. Rental | 1 |
| E152-2 | Engine Coolant - 60% Antifreeze, 40% Water Mixture | 1 |
| A456-2 | Battery Charger-Rental | 1 |
| L175-2 | Genset Warranty - Industrial Mobile Extended, Prime 5 years / 5000 hours | 1 |
| CP01-2 | Common Parts Listing | 1 |
| SPEC-F | Product Revision - F | 1 |
| BA | Battery | 1 |
| MT-34 | Battery, Group 34 | 2 |
| Freight | No charge to site Exclusive Use | 1 |
| SUPTRNG1D | Startup and Training, 1 day | 1 |

| | | |
|--------------------|------------------------------------|--------------------|
| SUPTRNG05D | Startup and Training, 1/2 day | 1 |
| LOAD 2 | Load Bank Testing on site, 2 Hours | 1 |
| Grand Total | | \$86,912.68 |

Submitted by

Steve Buechler
steven.d.buechler@cummins.com
Mobile: (920) 655-3458

NOTICE: As results of the outbreaks of the disease COVID-19, arising from the novel coronavirus, temporary delays in delivery, labor or services from Cummins Sales and Service and its sub-suppliers or subcontractors may occur. Among other factors, Cummins delivery is subject to correct and punctual supply from our sub-suppliers or subcontractors, and Cummins reserves the right to make partial deliveries or modify its labor or service. While Cummins shall make every commercially reasonable effort to meet the delivery, service or completion described herein, such date(s) is subject to change



The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Cummins Sales and Service
875 Lawrence Drive
De Pere WI 54115-5070 United States
Direct: (920) 338-5986

Standard Exclusions

Cables and plugs
All fuel

TERMS AND CONDITIONS FOR SALE OF POWER GENERATION EQUIPMENT

These Terms and Conditions for Sale of Power Generation Equipment, together with the Quote, Sales Order, and/or Credit Application on the front side or attached hereto, are hereinafter referred to as this "Agreement" and shall constitute the entire agreement between the customer identified in the quote ("Customer") and Cummins Inc. ("Cummins") and supersede any previous representation, statements, agreements or understanding (oral or written) between the parties with respect to the subject matter of this Agreement. No prior inconsistent course of dealing, course of performance, or usage of trade, if any, constitutes a waiver of, or serves to explain or interpret, the Terms and Conditions set forth in this Agreement. Electronic transactions between Customer and Cummins will be solely governed by the Terms and Conditions of this Agreement, and any terms and conditions on Customer's website or other internet site will be null and void and of no legal effect on Cummins. In the event Customer delivers, references, incorporates by reference, or produces any purchase order or document, any terms and conditions related thereto shall be null and void and of no legal effect on Cummins.

SCOPE. Cummins shall supply power generation equipment and any related parts, materials and/or services expressly identified in this Agreement (collectively, "Equipment"). No additional services, parts or materials are included in this Agreement unless agreed upon by the parties in writing. Any Quote is valid for 60 days. The price is firm provided drawings are approved and returned within 60 days after submission and ship date is not extended beyond published lead times. Any delays may result in escalation charges. A Sales Order for Equipment is accepted on hold for release basis. The Sales Order will not be released and scheduled for production until written approval to proceed is received. A Quote is limited to plans and specifications section set forth in the Quote. No other sections shall apply. Additional requirements for administrative items may require additional costs. The Quote does not include off unit wiring, off unit plumbing, offloading, rigging, installation, exhaust insulation or fuel, unless otherwise stated.

SHIPPING; DELIVERY; DELAYS. Unless otherwise agreed in writing by the parties, Equipment shall be delivered FOB origin, freight prepaid to first destination. For consumer and mobile products, freight will be charged to Customer. Unless otherwise agreed to in writing by the parties, packaging method, shipping documents and manner, route and carrier and delivery shall be as Cummins deems appropriate. Cummins may deliver in installments. A reasonable storage fee, as determined by Cummins, may be assessed if delivery of the Equipment is delayed, deferred, or refused by Customer. Offloading, handling, and placement of Equipment and crane services are the responsibility of Customer and not included unless otherwise stated. All shipments are made within normal business hours, Monday through Friday. Any delivery, shipping, installation, or performance dates indicated in this Agreement are estimated and not guaranteed. Further, delivery time is subject to confirmation at time of order and will be in effect after engineering drawings have been approved for production. Cummins shall use best efforts to meet estimated dates, but shall not be liable to customer or any third party for any delay in delivery, shipping, installation, or performance, however occasioned, including any delays in performance that result directly or indirectly from acts of Customer or any unforeseen event, circumstance, or condition beyond Cummins' reasonable control including, but not limited to, acts of God, actions by any government authority, civil strife, fires, floods, windstorms, explosions, riots, natural disasters, embargos, wars, strikes or other labor disturbances, civil commotion, terrorism, sabotage, late delivery by Cummins' suppliers, fuel or other energy shortages, or an inability to obtain necessary labor, materials, supplies, equipment or manufacturing facilities.

AS A RESULT OF THE OUTBREAK OF THE DISEASE COVID-19 ARISING FROM THE NOVEL CORONAVIRUS, TEMPORARY DELAYS IN DELIVERY, LABOUR OR SERVICES FROM CUMMINS AND ITS SUB-SUPPLIERS OR SUBCONTRACTORS MAY OCCUR. AMONG OTHER FACTORS, CUMMINS' DELIVERY OBLIGATIONS ARE SUBJECT TO CORRECT AND PUNCTUAL SUPPLY FROM OUR SUB-SUPPLIERS OR SUBCONTRACTORS, AND CUMMINS RESERVES THE RIGHT TO MAKE PARTIAL DELIVERIES OR MODIFY ITS LABOUR OR SERVICE. WHILE CUMMINS SHALL MAKE EVERY COMMERCIALY REASONABLE EFFORT TO MEET THE DELIVERY, SERVICE OR COMPLETION OBLIGATIONS SET FORTH HEREIN, SUCH DATES ARE SUBJECT TO CHANGE.

PAYMENT TERMS; CREDIT; RETAINAGE. Unless otherwise agreed to by the parties in writing and subject to credit approval by Cummins, payments are due thirty (30) days from the date of the invoice. If Customer does not have approved credit with Cummins, as solely determined by Cummins, payments are due in advance or at the time of supply of the Equipment. If payment is not received when due, in addition to any rights Cummins may have at law, Cummins may charge Customer eighteen percent (18%) interest annually on late payments, or the maximum amount allowed by law. Customer agrees to pay Cummins' costs and expenses (including reasonable attorneys' fees) related to Cummins' enforcement and collection of unpaid invoices, or any other enforcement of this Agreement by Cummins. Retainage is not acceptable nor binding, unless required by statute or accepted and confirmed in writing by Cummins prior to shipment.

TAXES; EXEMPTIONS. Unless otherwise stated, the Quote excludes all applicable local, state and federal sales and/or use taxes, permits and licensing. Customer must provide a valid resale or exemption certificate prior to shipment of Equipment or applicable taxes will be added to the invoice.

TITLE; RISK OF LOSS. Unless otherwise agreed in writing by the parties, title and risk of loss for the Equipment shall pass to Customer upon delivery of the Equipment by Cummins to freight carrier or to Customer at pickup at Cummins' facility.

INSPECTION AND ACCEPTANCE. Customer shall inspect the Equipment upon delivery, before offloading, for damage, defects, and shortage. Any and all claims which could have been discovered by such inspection shall be deemed absolutely and unconditionally waived unless noted by Customer on the bill of lading. Where Equipment is alleged to be non-conforming or defective, written notice of defect must be given to Cummins within three (3) days from date of delivery after which time Equipment shall be deemed accepted. Cummins shall have a commercially reasonable period of time in which to correct such non-conformity or defect. If non-conformity or defect is not eliminated to Customer's satisfaction, Customer may reject the Equipment (but shall protect the Equipment until returned to Cummins) or allow Cummins another opportunity to undertake corrective action. In the event startup of the Equipment is included in the services, acceptance shall be deemed to have occurred upon successful startup.

LIEN; SECURITY AGREEMENT. Customer agrees that Cummins retains all statutory lien rights. To secure payment, Customer grants Cummins a Purchase Money Security Interest in the Equipment. If any portion of the balance is due to be paid following delivery, Customer agrees to execute and deliver such security agreement, financing statements, deed of trust and such other documents as Cummins may request from time to time in order to permit Cummins to obtain and maintain a perfected security interest in the Equipment; or in the alternative, Customer grants Cummins a power of attorney to execute and file all financing statements and other documents needed to perfect this security interest. Cummins may record this Agreement, bearing Customer's signature, or copy of this Agreement in lieu of a UCC-1, provided that it shall not constitute an admission by Cummins of the applicability or non-applicability of the UCC nor shall the failure to file this form or a UCC-1 in any way affect, alter, or invalidate any term, provision, obligation or liability under this Agreement. The security interest shall be superseded if Customer and Cummins enter into a separate security agreement for the Equipment. Prior to full payment of the balance due, Equipment will be kept at Customer's location noted in this Agreement, will not be moved without prior notice to Cummins, and is subject to inspection by Cummins at all reasonable times.

CANCELLATION; CHARGES. Orders placed with and accepted by Cummins may not be cancelled except with Cummins' prior written consent. If Customer seeks to cancel all or a portion of an order placed pursuant to this Agreement, and Cummins accepts such cancellation in whole or in part, Customer shall be assessed cancellation charges as follows: (i) 10% of total order price if cancellation is received in Cummins' office after Cummins has provided submittals and prior to releasing equipment to be manufactured; (ii) 25% of total order price if cancellation is received in Cummins' office after receipt of submittal release to order, receipt of a purchase order for a generator already on order with the factory, or is asked to make any hardware changes to the equipment already on order with the factory; (iii) 50% of total order price if cancellation is received in Cummins' office 60 or fewer days before the scheduled shipping date on the order; or (iv) 100% of total order price if cancellation is received in Cummins' office after the equipment has shipped from the manufacturing plant.

MANUALS. Unless otherwise stated, electronic submittals and electronic operation and maintenance manuals will be provided, and print copies may be available upon Customer's request at an additional cost.

TRAINING; START UP SERVICES; INSTALLATION. Startup services, load bank testing, and owner training are not provided unless otherwise stated. Site startup will be subject to the account being current and will be performed during regular Cummins business hours, Monday to Friday. Additional charges may be added for work requested

to be done outside standard business hours, on weekends, or holidays. One visit is allowed unless specified otherwise in the Quote. A minimum of two-week prior notice is required to schedule site startups and will be subject to prior commitments and equipment and travel availability. A signed site check sheet confirming readiness will be required, and Cummins personnel may perform an installation audit prior to the startup being completed. Any issues identified by the installation audit shall be corrected at the Customer's expense prior to the start-up. Portable load banks for site test (if offered in the Quote) are equipped with only 100 feet of cable. Additional lengths may be arranged at an extra cost. Cummins is not responsible for any labor or materials charged by others associated with start-up and installation of Equipment, unless previously agreed upon in writing. Supply of fuel for start-up and/or testing, fill-up of tank after start-up, or change of oil is not included unless specified in the Quote. All installation/execution work at the site including, but not limited to: civil, mechanical, electrical, supply of wall thimbles, exhaust extension pipe, elbows, hangers, expansion joints, insulation and cladding materials, fuel/oil/cooling system piping, air ducts, and louvers/dampers is not included unless specified in the Quote. When an enclosure or sub-base fuel tank (or both) are supplied, the openings provided for power cable and fuel piping entries, commonly referred to as "stub-ups", must be sealed at the site by others before commissioning. All applications, inspections and/or approvals by authorities are to be arranged by Customer.

MANUFACTURER'S WARRANTY. Equipment purchased hereunder is accompanied by an express written manufacturer's warranty ("Warranty") and, except as expressly provided in this Agreement, is the only warranty offered on the Equipment. A copy of the Warranty is available upon request. While this Agreement and the Warranty are intended to be read and applied in conjunction, where this Agreement and the Warranty conflict, the terms of the Warranty shall prevail.

WARRANTY PROCEDURE. Prior to the expiration of the Warranty, Customer must give notice of a warrantable failure to Cummins and deliver the defective Equipment to a Cummins location or other location authorized and designated by Cummins to make the repairs during regular business hours. Cummins shall not be liable for towing charges, maintenance items such as oil filters, belts, hoses, etc., communication expenses, meals, lodging, and incidental expenses incurred by Customer or employees of Customer, "downtime" expenses, overtime expenses, cargo damages and any business costs and losses of revenue resulting from a warrantable failure.

LIMITATIONS ON WARRANTIES

THE REMEDIES PROVIDED IN THE WARRANTY AND THIS AGREEMENT ARE THE SOLE AND EXCLUSIVE WARRANTIES AND REMEDIES PROVIDED BY CUMMINS TO THE CUSTOMER UNDER THIS AGREEMENT. EXCEPT AS SET OUT IN THE WARRANTY AND THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY LAW, CUMMINS EXPRESSLY DISCLAIMS ALL OTHER REPRESENTATIONS, WARRANTIES, ENDORSEMENTS, AND CONDITIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY STATUTORY OR COMMON LAW IMPLIED REPRESENTATIONS, WARRANTIES AND CONDITIONS OF FITNESS FOR A PURPOSE OR MERCHANTABILITY.

The limited warranty does not cover Equipment failures resulting from: (a) inappropriate use relative to designated power rating; (b) inappropriate use relative to application guidelines; (c) inappropriate use of an EPA-SE application generator set relative to EPA's standards; (d) normal wear and tear; (e) improper and/or unauthorized installation; (f) negligence, accidents, or misuse; (g) lack of maintenance or unauthorized or improper repair; (h) noncompliance with any Cummins published guideline or policy; (i) use of improper or contaminated fuels, coolants, or lubricants; (j) improper storage before and after commissioning; (k) owner's delay in making Equipment available after notification of potential Equipment problem; (l) replacement parts and accessories not authorized by Cummins; (m) use of battle short mode; (n) owner or operator abuse or neglect such as: operation without adequate coolant, fuel, or lubricants; over fueling; over speeding; lack of maintenance to lubricating, fueling, cooling, or air intake systems; late servicing and maintenance; improper storage, starting, warm-up, running, or shutdown practices, or for progressive damage resulting from a defective shutdown or warning device; or (o) damage to parts, fixtures, housings, attachments and accessory items that are not part of the generating set.

INDEMNITY. Customer shall indemnify, defend and hold harmless Cummins from and against any and all claims, actions, costs, expenses, damages and liabilities, including reasonable attorneys' fees, brought against or incurred by Cummins related to or arising out of this Agreement or the Equipment supplied under this Agreement (collectively, the "Claims"), where such Claims were caused or contributed to by, in whole or in part, the acts, omissions, fault or negligence of the Customer. Customer shall present any Claims covered by this indemnity to its insurance carrier unless Cummins directs that the defense will be handled by Cummins' legal counsel at Customer's expense.

LIMITATION OF LIABILITY

NOTWITHSTANDING ANY OTHER TERM OF THIS AGREEMENT, IN NO EVENT SHALL CUMMINS, ITS OFFICERS, DIRECTORS, EMPLOYEES, OR AGENTS BE LIABLE TO CUSTOMER OR ANY THIRD PARTY FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY KIND (INCLUDING WITHOUT LIMITATION DOWNTIME, LOSS OF PROFIT OR REVENUE, LOSS OF DATA, LOSS OF OPPORTUNITY, DAMAGE TO GOODWILL, ENHANCED DAMAGES, MONETARY REQUESTS RELATING TO RECALL EXPENSES AND REPAIRS TO PROPERTY, AND/OR DAMAGES CAUSED BY DELAY) IN ANY WAY RELATED TO OR ARISING FROM CUMMINS' SUPPLY OF EQUIPMENT UNDER THIS AGREEMENT OR THE USE OR PERFORMANCE OF EQUIPMENT SUPPLIED UNDER THIS AGREEMENT. IN NO EVENT SHALL CUMMINS' LIABILITY TO CUSTOMER OR ANY THIRD PARTY CLAIMING DIRECTLY THROUGH CUSTOMER OR ON CUSTOMER'S BEHALF UNDER THIS AGREEMENT EXCEED THE TOTAL COST OF EQUIPMENT SUPPLIED BY CUMMINS UNDER THIS AGREEMENT GIVING RISE TO THE CLAIM. BY ACCEPTANCE OF THIS AGREEMENT, CUSTOMER ACKNOWLEDGES CUSTOMER'S SOLE REMEDY AGAINST CUMMINS FOR ANY LOSS SHALL BE THE REMEDY PROVIDED HEREIN EVEN IF THE EXCLUSIVE REMEDY UNDER THE WARRANTY IS DEEMED TO HAVE FAILED OF ITS ESSENTIAL PURPOSE.

DEFAULT; REMEDIES. Customer shall be in breach and default if: (a) any of the payments or amounts due under this Agreement are not paid; (b) Customer fails to comply, perform, or makes any misrepresentation relating to any of the Customer's obligations or covenants under this Agreement; or (c) prior to full payment of the balance due, Customer ceases to do business, becomes insolvent, makes an assignment for the benefit of its creditors, appoints a receiver, commences an action for dissolution or liquidation, or becomes subject to bankruptcy proceedings, or the Equipment is attached, levied upon, seized under legal process, is subjected to a lien or encumbrance, or transferred by operation of law or otherwise to anyone other than Cummins.

Upon the occurrence of any event of Customer's default, Cummins, at its sole option and without notice, shall have the right to exercise concurrently or separately any one or all of the following remedies, which shall be cumulative and not alternative: (a) to declare all sums due, and to become due, under this Agreement immediately due and payable; (b) to commence legal proceedings, including collection actions and specific performance proceedings, to enforce performance by Customer of any and all provisions of this Agreement, and to be awarded damages or injunctive relief for the Customer's breach; (c) to require the Customer to deliver the Equipment to Cummins' branch specified on the face of this Agreement; (d) to exercise one or more of the rights and remedies available to a secured party under applicable law; and (e) to enter, without notice or liability or legal process, onto any premises where the Equipment may be located, using force permitted by law, and there to disconnect, remove and repossess the Equipment, the Customer having waived further right to possession after default. A waiver of any event of default by Cummins shall not be a waiver as to any other or subsequent default.

CUSTOMER REPRESENTATIONS; RELIANCE. Customer is responsible for obtaining, at its cost, permits, import licenses, and other consents in relation to the Equipment, and if requested by Cummins, Customer shall make these permits, licenses, and consents available to Cummins prior to shipment. Customer represents that it is familiar with the Equipment and understands operating instructions and agrees to perform routine maintenance services. Until the balance is paid in full, Customer shall care for the Equipment properly, maintain it in good operating condition, repair and appearance; and Customer shall use it safely and within its rated capacity and only for purpose it was designed. Even if Customer's purchase of Equipment from Cummins under this Agreement is based, in whole or in part, on specifications, technical information, drawings, or written or verbal advice of any type from third parties, Customer has sole responsibility for the accuracy, correctness and completeness of such specifications, technical information, drawings, or advice. Cummins make no warranties or representations respecting the accuracy, correctness and completeness of any specifications, technical information, drawings, advice or other information provided by Cummins. Cummins makes no warranties or representations respecting the suitability, fitness for intended use, compatibility, integration or installation of any Equipment supplied under this Agreement. Customer has sole responsibility for intended use, for installation and design and performance where it is part of a power, propulsion, or other system. Limitation of warranties and remedies and all disclaimers apply to all such technical information, drawings, or advice. Customer acknowledges and agrees by accepting delivery of the Equipment that the Equipment purchased is of the size, design, capacity and manufacture selected by the Customer, and that Customer has relied solely on its own judgment in selecting the Equipment.

CONFIDENTIALITY. Each party shall keep confidential any information received from the other that is not generally known to the public and at the time of disclosure, would reasonably be understood by the receiving party to be proprietary or confidential, whether disclosed in oral, written, visual, electronic, or other form, and which the receiving party (or agents) learns in connection with this Agreement including, but not limited to: (a) business plans, strategies, sales, projects and analyses; (b) financial information, pricing, and fee structures; (c) business processes, methods, and models; (d) employee and supplier information; (e) specifications; and (f) the terms and conditions of this Agreement. Each party shall take necessary steps to ensure compliance with this provision by its employees and agents.

GOVERNING LAW AND JURISDICTION. This Agreement and all matters arising hereunder shall be governed by and construed in accordance with the laws of the State of Indiana without giving effect to any choice or conflict of law provision. The parties agree that the courts of the State of Indiana shall have exclusive jurisdiction to settle any dispute or claim arising in connection with this Agreement.

INSURANCE. Upon Customer's request, Cummins will provide to Customer a Certificate of Insurance evidencing Cummins' relevant insurance coverage.

ASSIGNMENT. This Agreement shall be binding on the parties and their successors and assigns. Customer shall not assign this Agreement without the prior written consent of Cummins.

INTELLECTUAL PROPERTY. Any intellectual property rights created by either party, whether independently or jointly, in the course of the performance of this Agreement or otherwise related to Cummins pre-existing intellectual property or subject matter related thereto, shall be Cummins' property. Customer agrees to assign, and does hereby assign, all right, title, and interest to such intellectual property to Cummins. Any Cummins pre-existing intellectual property shall remain Cummins' property. Nothing in this Agreement shall be deemed to have given Customer a licence or any other rights to use any of the intellectual property rights of Cummins.

MISCELLANEOUS. Cummins shall be an independent contractor under this Agreement.

All notices under this Agreement shall be in writing and be delivered personally, mailed via first class certified or registered mail, or sent by a nationally recognized express courier service to the addresses set forth in this Agreement.

No amendment of this Agreement shall be valid unless it is writing and signed by the parties hereto. Failure of either party to require performance by the other party of any provision hereof shall in no way affect the right to require such performance at any time thereafter, nor shall the waiver by a party of a breach of any of the provisions hereof constitute a waiver of any succeeding breach.

Any provision of this Agreement that is invalid or unenforceable shall not affect the validity or enforceability of the remaining terms hereof.

These terms are exclusive and constitute entire agreement. Customer acknowledges that the provisions were freely negotiated and bargained for and Customer has agreed to purchase of the Equipment pursuant to these terms and conditions. Acceptance of this Agreement is expressly conditioned on Customer's assent to all such terms and conditions. Neither party has relied on any statement, representation, agreement, understanding, or promise made by the other except as expressly set out in this Agreement. In the event of a conflict in the terms of this Agreement with any Customer terms or conditions or agreement (whether referenced in an order submitted by Customer as the terms that govern the purchase of the Equipment or otherwise) or any terms set forth in any other documentation of Customer with respect to the Equipment, the terms of this Agreement shall govern.

Cummins may incur additional charges which will be passed on to the Customer, as applicable.

COMPLIANCE. Customer shall comply with all laws applicable to its activities under this Agreement, including, without limitation, any and all applicable federal, state, and local anti-bribery, environmental, health, and safety laws and regulations then in effect. Customer acknowledges that the Equipment, and any related technology that are sold or otherwise provided hereunder may be subject to export and other trade controls restricting the sale, export, re-export and/or transfer, directly or indirectly, of such Equipment or technology to certain countries or parties, including, but not limited to, licensing requirements under applicable laws and regulations of the United States, the United Kingdom and other jurisdictions. It is the intention of Cummins to comply with these laws, rules, and regulations. Any other provision of this Agreement to the contrary notwithstanding, Customer shall comply with all such applicable all laws relating to the cross-border movement of goods or technology, and all related orders in effect from time to time, and equivalent measures. Customer shall act as the importer of record with respect to the Equipment and shall not resell, export, re-export, distribute, transfer, or dispose of the Equipment or related technology, directly or indirectly, without first obtaining all necessary written permits, consents, and authorizations and completing such formalities as may be required under such laws, rules, and regulations. In addition, Cummins has in place policies not to distribute its products for use in certain countries based on applicable laws and regulations including but not limited to UN, U.S., UK, and European Union regulations. Customer undertakes to perform its obligations under this Agreement with due regard to these policies. Strict compliance with this provision and all laws of the territory pertaining to the importation, distribution, sales, promotion and marketing of the Equipment is a material consideration for Cummins entering into this Agreement with Customer and continuing this Agreement for its term. Customer represents and warrants that it has not and shall not, directly or through any intermediary, pay, give, promise to give or offer to give anything of value to a government official or representative, a political party official, a candidate for political office, an officer or employee of a public international organization or any other person, individual or entity at the suggestion, request or direction or for the benefit of

any of the above-described persons and entities for the purposes of inducing such person to use his influence to assist Cummins in obtaining or retaining business or to benefit Cummins or any other person in any way, and will not otherwise breach any applicable laws relating to anti-bribery. Any failure by Customer to comply with these provisions will constitute a default giving Cummins the right to immediate termination of this Agreement and/or the right to elect not to recognize the warranties associated with the Equipment. Customer shall accept full responsibility for any and all civil or criminal liabilities and costs arising from any breaches of those laws and regulations and will defend, indemnify, and hold Cummins harmless from and against any and all fines, penalties, claim, damages, liabilities, judgments, costs, fees, and expenses incurred by Cummins or its affiliates as a result of Customer's breach.

To the extent applicable, this contractor and subcontractor shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status or disability. The employee notice requirements set forth in 29 CFR Part 471, Appendix A to Subpart A, are hereby incorporated by reference into this contract.

Upon Acceptance of this Proposal, Customer accepts the proposed products as well as the attached Cummins Inc terms and conditions. Please sign and return this quotation to proceed.

| | | | |
|---------------|----------------|--------------------------------|-------|
| Company: | _____ | Purchase Order* #: | _____ |
| Printed Name: | _____ | Ship to Address: | _____ |
| Signature: | _____ | Contact for Delivery: | _____ |
| Title: | _____ | Contact Phone #: (____) _____ | |
| Date: | ____/____/____ | Special Delivery Instructions: | _____ |

***Purchase Orders need to be made out to Cummins, Inc.**

Thank you for considering Cummins Sales and Service for this power generation project.



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Cummins Inc.

Generators & Related Equipment

#120617-CMM

Maturity Date: 01/29/2022

Products & Services

Contract Documents

Pricing

Contact Information

Contact Information

Vendor Contact Information

To purchase off this contract or for questions regarding products and pricing, please contact:



Harsha Narravula

Phone: 612-246-5136

Email: sriharsha.narravula@cummins.com

Kirk Adams

Phone: 612-246-5136

Email: kirk.e.adams@cummins.com

Sourcewell Contact Information

For questions regarding contract documentation or the solicitation process, please contact:

Maureen Knight

Phone: 218-895-4114

Email: maureen.knight@sourcewell-mn.gov

Kim Wudinich

Phone: 218-894-5485

Email: kim.wudinich@sourcewell-mn.gov

Specification sheet



Rental Power

150 kW

U.S EPA Tier IV emissions



Description

This Cummins® Rental package is a fully integrated mobile power generation system, providing optimum performance, reliability, and versatility for Standby and Prime Power applications.

Features

Cummins diesel engines

- U.S. Tier IV Final and EU SIIIa certified Cummins QSB7-G9 engines which meet emissions limits without the use of a Diesel Particulate Filter (DPF)
- Dual speed engine for operation at 50 or 60 Hz
- Advanced electronic engine controls with integrated after-treatment system provide superior fuel efficiency while reducing emissions
- High-pressure common rail fuel system reduces engine noise and smoke
- Cummins Direct Flow™ air filtration offering improved air management, longer service life, and easier serviceability
- 2-stage fuel filtration with optimum particle and water separation

Control features

- The most advanced, reliable and capable generator set control system on the market today
- PowerCommand 3.3® with Masterless Load Demand (MLD) technology enables smartly adapting power to match varying load demand. MLD capable generators allow sharing of information among paralleled generator sets
- Controls provide precise frequency and voltage regulation, alarm and status message display in one easy to operate customer interface

Engine controls

- Oil pressure and coolant temperature gauge
- Fuel level gauge, Diesel Exhaust Fluid (DEF) level gauge and battery voltage gauge
- Hour meter
- Engine control module includes remote start capability

Stamford alternators

- 12-lead reconnectable alternators fitted with voltage selection switch
- Permanent magnet excitation for improved performance in non-linear load applications

Rental package enclosure

- Camlock distribution panel
- Sound attenuated, white powder coated lockable enclosure
- 24-hour fuel tank (75% prime) with leak detection sensor
- Single wall fuel tank with 110% fluid containment basin
- Transport Canada Tank
- Roof mounted, single point lift
- Cooling system rated for 122 °F (50 °C) at 100% Standby ambient
- Complete engine fluid containment reservoir
- 4 position voltage selector switch (277/480 or 139/240 or 120/208 VAC 3 phase or 120/240 VAC 1 phase)
- Shore power (15 A/120 V) – for coolant heater and battery charger
- Conveniently located analog gauges and heated Human Machine Interface (HMI) display

Rental package options

- Optional Auxiliary Fuel and DEF connections
- DOT approved electric brake trailer with heavy duty center mounted jack, ball or pintle hitch
- DOT approved hydraulic brake trailer with heavy duty center mounted jack, ball or pintle hitch

| Model | Voltages (V) | Standby rating | | Prime rating | | Sound level Full load @ 7 m | Alternator model |
|----------|--------------|----------------|----------------|----------------|----------------|-----------------------------|------------------|
| | | 60 Hz kW (kVA) | 50 Hz kW (kVA) | 60 Hz kW (kVA) | 50 Hz kW (kVA) | | |
| C150D2RE | 208/240/480 | 150 (188) | 128 (160) | 135 (169) | 116 (145) | 73 dBA | UCI274F |

Engine specifications

| | |
|-----------------------------|--|
| Engine model | QSB7-G9 |
| Alternator data sheet | UCI274F (208/240/480) |
| Tier rating | Tier IV |
| Design | 4 cycle, in-line, turbocharged and after-cooled |
| Bore | 107 mm (4.21 in.) |
| Stroke | 124.0 mm (4.88 in.) |
| Displacement | 6.69 liters (408 in ³) |
| Cylinder block | Cast iron, in-line 6 cylinder |
| Battery capacity | 2 x 760 cca |
| Battery charging alternator | 70 amps |
| Starting voltage | 24 volt, negative ground |
| Fuel system | Direct injection HPCR system |
| Fuel filter | Dual Spin on fuel filter with water separator |
| Air cleaner type | 2-stage, dry replaceable element with dust ejector |
| Lube oil filter type(s) | Single spin-on, full flow |
| Standard cooling system | 122 °F (50 °C) ambient radiator |

Alternator specifications

| | |
|--|---|
| Design | Brushless, 4 pole, drip proof, revolving field |
| Stator | Double layer concentric, 2/3 winding pitch |
| Rotor | Single bearing, flexible disc |
| Insulation system | Class H per NEMA MG1-1.65 (208/240/480 VAC) |
| Standard temperature rise | 125/40 °C Prime (208/480 VAC) |
| Exciter type | Permanent Magnet Generator (PMG) |
| Phase rotation | A (U), B (V), C (W) |
| Alternator cooling | Direct drive centrifugal blower fan |
| AC waveform Total Harmonic Distortion (THDV) | < 1.5% no load, < 5% non-distorting balance linear load |
| Telephone Influence Factor (TIF) | < 50 per NEMA MG1-22.43 |
| Telephone Harmonic Factor (THF) | < 2% |

Power capability specifications

(Assume power factor = 0.80 for 3 phase amps)

| | Standby rating | | | | |
|----------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| | 240 V, 1 phase Amps 60 Hz | 208 V, 3 phase Amps 60 Hz | 480 V, 3 phase Amps 60 Hz | 240 V, 3 phase Amps 60 Hz | 400 V, 3 phase Amps 50 Hz |
| C150D2RE | 419 | 520 | 226 | 451 | 233 |

Electrical power panel specifications

| Model voltage | 120 V duplex receptacles | 240 V twist | Load lug connection (stud diameter) | Load lug circuit breakers |
|---------------|-----------------------------|-------------|---|------------------------------|
| 120/480 Volt | 2 - 20 Amp GFCI | 3 - 50 Amp | 1/2 inch | 600 Amp |

PowerCommand 3.3 control system



An integrated microprocessor based generator set control system providing voltage regulation, engine protection, alternator protection, operator interface and isochronous governing. Refer to document S-1570 for more detailed information on the control.

Simplified display for Rental operators - simplified display tailored for Rental equipment operations for ease of use.

Masterless Load Demand (MLD) - The controller is capable of smartly managing power from paralleled generators to match varying load patterns.

Power management - Control function provides battery monitoring and testing features and smart starting control system.

Advanced control methodology - Three phase sensing, full wave rectified voltage regulation, with a PWM output for stable operation with all load types.

Regulation compliant - Prototype tested: UL, CSA and CE compliant.

Service - InPower™ PC-based service tool available for detailed diagnostics, setup, data logging and fault simulation.

Easily upgradeable - PowerCommand controls are designed with common control interfaces.

Reliable design - The control system is designed for reliable operation in harsh environment.

Operator panel features

Operator/display functions

- Displays paralleling breaker status
- Provides direct control of the paralleling breaker
- 320 x 240 pixels graphic LED backlight LCD
- Auto, manual, start, stop, fault reset and lamp test/panel lamp switches
- Alpha-numeric display with pushbuttons
- Heated HMI
- LED lamps indicating genset running, remote start, not in auto, common shutdown, common warning, manual run mode, auto mode and stop

Paralleling control functions

- First Start Sensor™ system selects first genset to close to bus
- Phase lock loop synchronizer with voltage matching
- Sync check relay
- Isochronous kW and kVar load sharing
- Enhanced safety features for paralleling generators

Alternator data

- Line-to-Neutral and Line-to-Line AC volts
- 3-phase AC current
- Frequency
- kW, kVar, power factor kVA (three phase and total)

Engine data

- DC voltage
- Lube oil pressure
- Coolant temperature
- Comprehensive FAE data (where applicable)

Other data

- Fault history
- Data logging and fault simulation (requires InPower)

Standard control functions

Digital governing

- Integrated digital electronic isochronous governor
- Temperature dynamic governing

Digital voltage regulation

- Integrated digital electronic voltage regulator
- 3-phase, 4-wire Line-to-Line sensing
- Configurable torque matching

AmpSentry™ AC protection

- AmpSentry protective relay
- Over current and short circuit shutdown
- Over current warning
- Single and three phase fault regulation
- Over and under voltage shutdown
- Over and under frequency shutdown
- Overload warning with alarm contact
- Reverse power and reverse Var shutdown
- Field overload shutdown

Engine protection

- Battery voltage monitoring, protection and testing
- Overspeed shutdown
- Low oil pressure warning and shutdown
- High coolant temperature warning and shutdown
- Low coolant level warning or shutdown
- Low coolant temperature warning
- Fail to start (overcrank) shutdown
- Fail to crank shutdown
- Cranking lockout
- Sensor failure indication
- Full authority electronic engine protection

Control functions

- Time delay start and cool down
- Real time clock for fault and event time stamping
- Cycle cranking
- Load shed
- Remote emergency stop

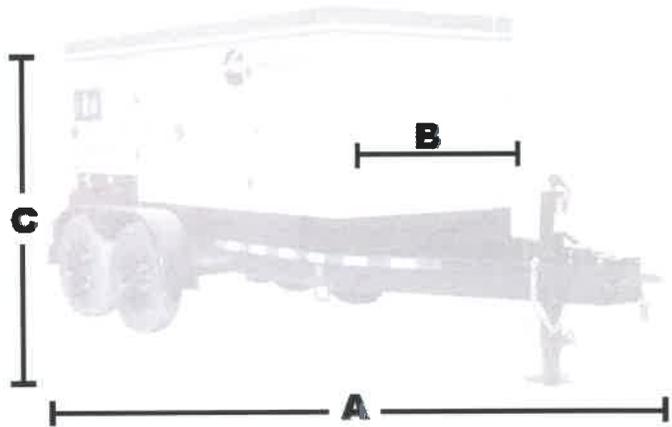
Ratings definitions

Standby:

Applicable for supplying emergency power for the duration of normal power interruption. No sustained overload capability is available for this rating. (Equivalent to Fuel Stop Power in accordance with ISO3046, AS2789, DIN6271 and BS5514). Nominally rated.

Prime (unlimited running time):

Applicable for supplying power in lieu of commercially purchased power. Prime Power is the maximum power available at a variable load for an unlimited number of hours. A 10% overload capability is available for limited time. (Equivalent to Prime Power in accordance with ISO8528 and Overload Power in accordance with ISO3046, AS2789, DIN6271, and BS5514).



Dimensions

| Model | Dim "A" mm (in.) | Dim "B" mm (in.) | Dim "C" mm (in.) | Weight w/o fuel kg (lbs) | Weight with fuel kg (lbs) | Fuel capacity liters (gal)* |
|---------------------|---------------------|---------------------|---------------------|-----------------------------|------------------------------|--------------------------------|
| C150D2RE | 3700 (146) | 1450 (57) | 1700 (67) | 3020 (6600) | 3800 (8390) | 965 (255) |
| With trailer | 5740 (226) | 2140 (84) | 2309 (91) | 3750 (8270) | 4530 (10000) | 965 (255) |

* Onboard DEF capacity is sized for 24 hours of operation at 15 gallons.

Fuel consumption

| 60 Hz Ratings, kW (kVA) | Standby | | | | Prime | | | | Hours of operation |
|----------------------------|-----------|------|------|------|-----------|------|------|------|-----------------------|
| | 150 (187) | | | | 135 (168) | | | | |
| Load | 1/4 | 1/2 | 3/4 | Full | 1/4 | 1/2 | 3/4 | Full | 75% load |
| US Gal/hr | 4.2 | 6.6 | 8.9 | 11.3 | 4.1 | 6.2 | 8.4 | 10.6 | 24 |
| L/hr | 15.9 | 25.0 | 33.7 | 42.8 | 15.5 | 23.5 | 31.8 | 40.1 | 24 |

Note: DEF consumption less than 4% of fuel consumption.

Trailer information

| Model | Tire size | Tire type | Load range | Number of tires per trailer | Lug pattern |
|-----------------|------------|-----------|-----------------|--------------------------------|-------------|
| C150D2RE | 235/85-R16 | Radial | 2755 lbs - each | 4 | 8 hole |

Certifications

These generator sets are certified to following standards:



CAN/CSA STD C22.2 NO. 100
CAN/CSA STD C22.2 NO. 14

For more information contact your local Cummins distributor
or visit power.cummins.com

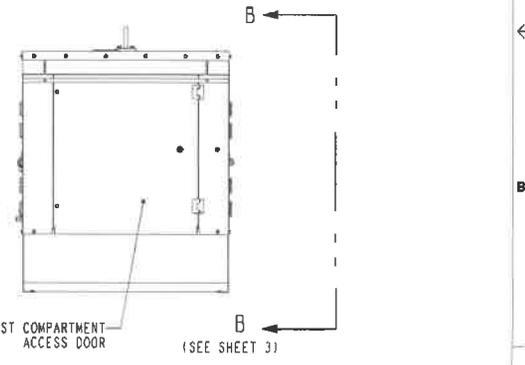
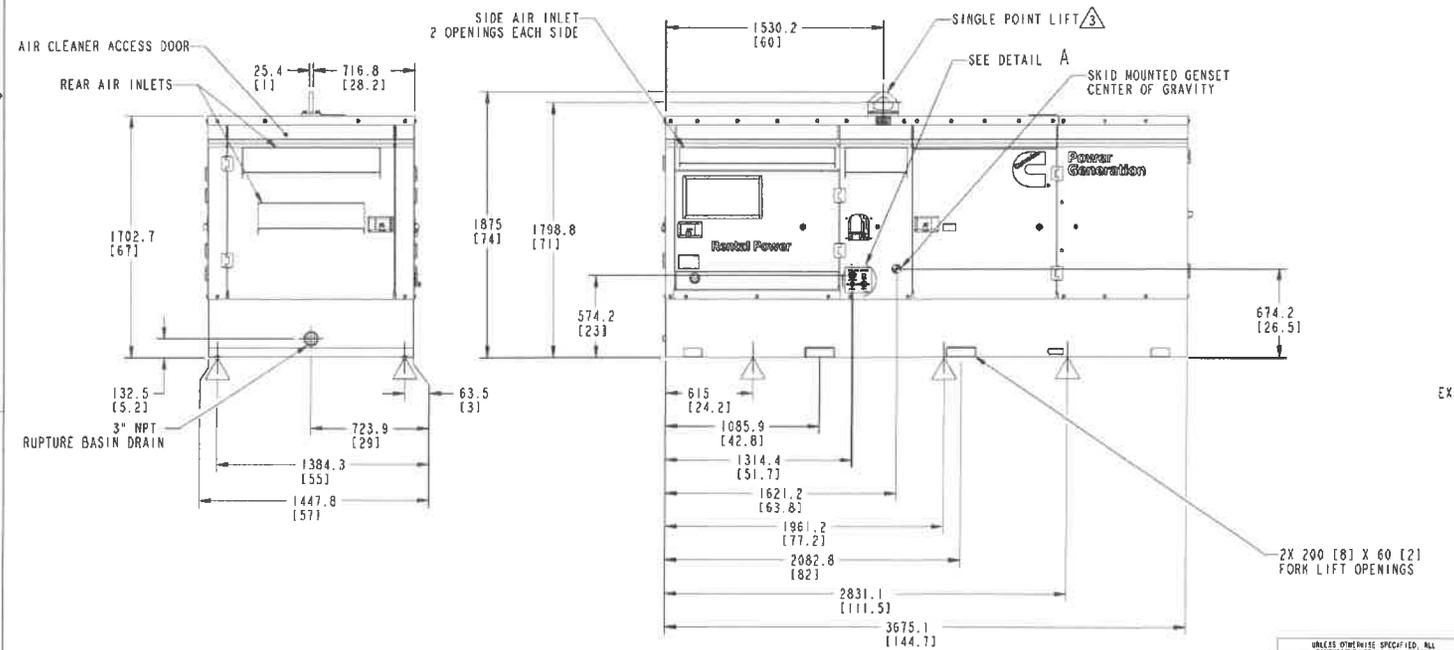
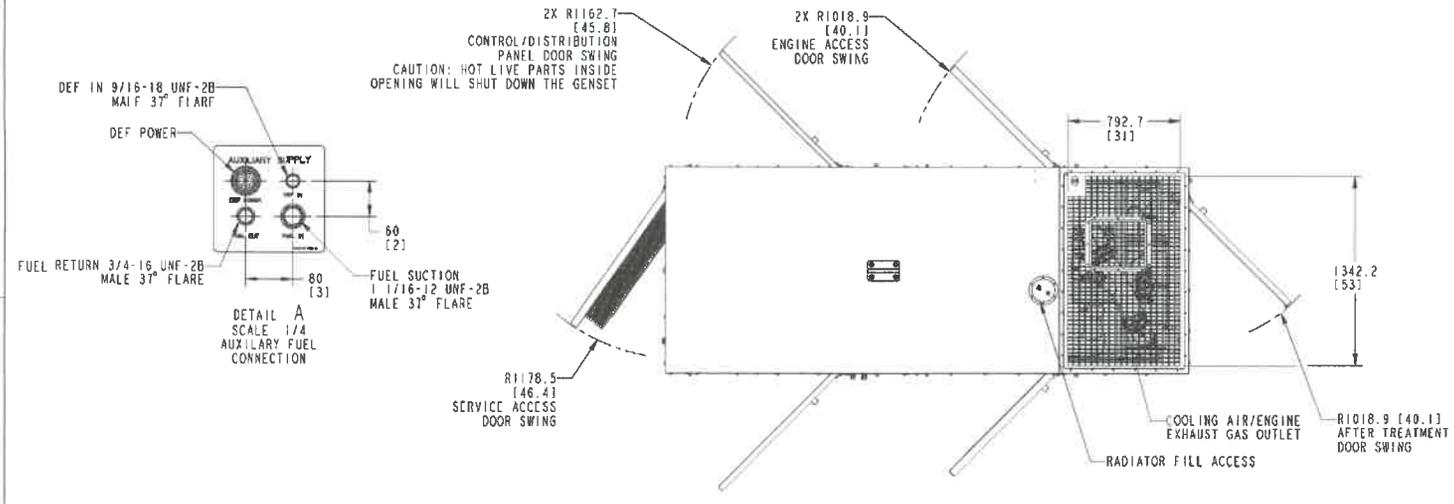
Our energy working for you™



| REV NO | BY | APPROVED | DATE | APP | CHK | APPD | DATE |
|------------|----|--------------------|------|-----|-----|-----------|---------|
| ECO-157443 | A | PRODUCTION RELEASE | | | | P. VAIDYA | 29DEC15 |

- NOTES:
1. DIMENSIONS SHOWN IN [] ARE INCHES.
 2. 5/8-11 UNC-2B 1/2 INCH THREADED HOLES MARKED BY Δ ARE PROVISIONS FOR SECURING TO A MOUNTING SURFACE.
 3. SINGLE POINT LIFT WILL ACCOMMODATE A ϕ 76.2 [3] LIFTING DEVICE.
 4. FLUID CAPACITIES:
ENGINE OIL: 15 LITERS (15.9 QUARTS)
COOLANT: 36 LITERS (9.5 GALLONS)
FUEL TANK: 939 LITERS (248 GALLONS)
 5. EXHAUST OUTLET DIAMETER: 101.6 [4]
 6. GENSET MASS:

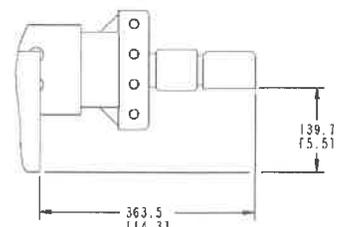
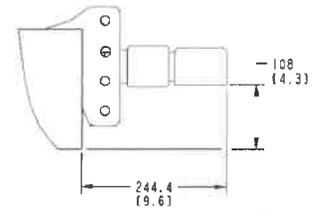
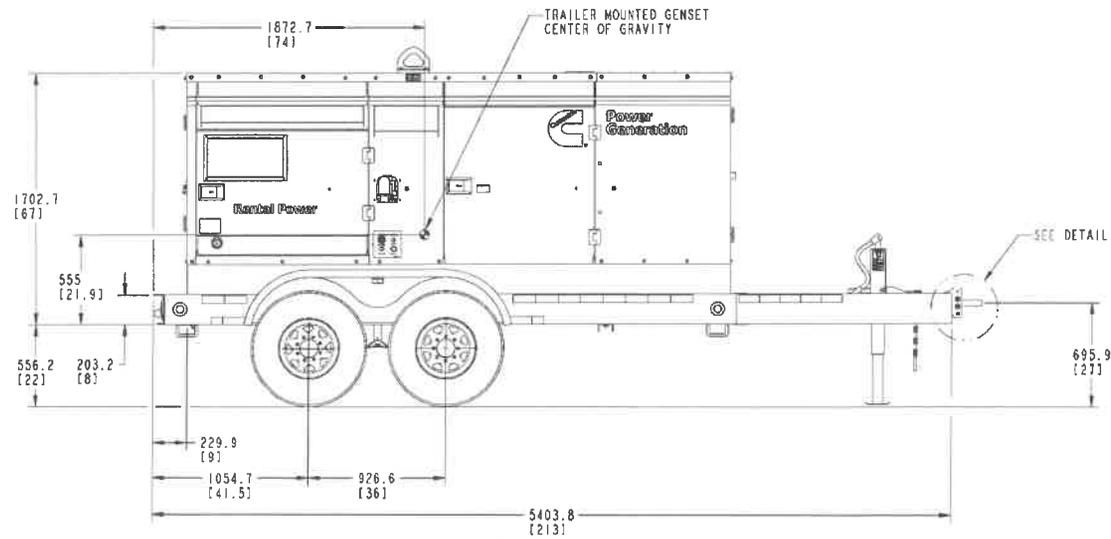
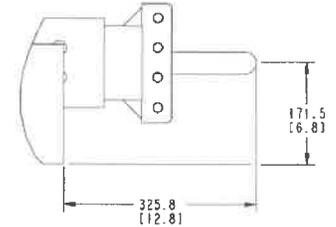
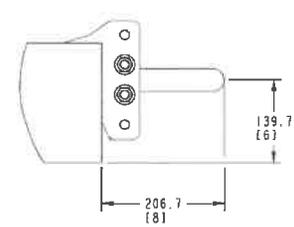
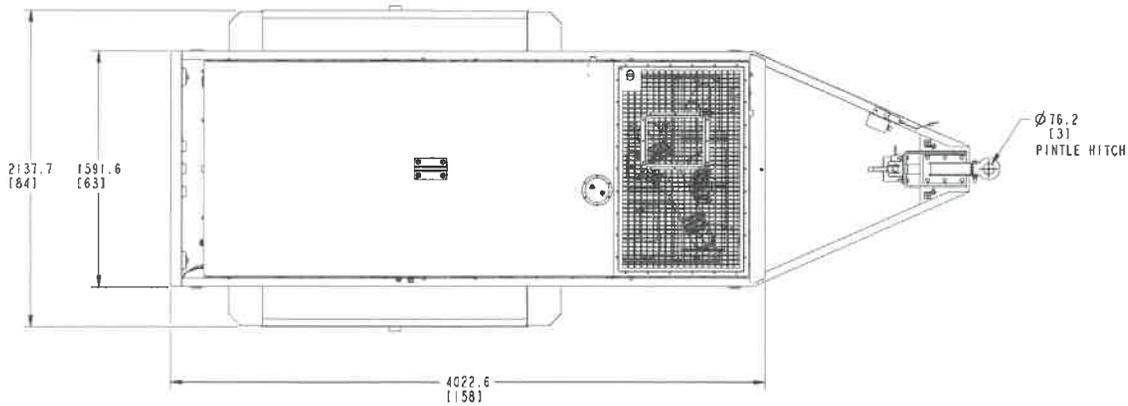
| | C150 | | C200 | |
|-----------------|-------------------|-------------------|--------------------|-------------------|
| | WITH FUEL | WITHOUT FUEL | WITH FUEL | WITHOUT FUEL |
| SKID MOUNTED | 3800 KG [8380 LB] | 3020 KG [6660 LB] | 4000 KG [8820 LB] | 3220 KG [7100 LB] |
| TRAILER MOUNTED | 4530 KG [9990 LB] | 3750 KG [8270 LB] | 4730 KG [10430 LB] | 3950 KG [8710 LB] |
| TONGUE WEIGHT | N/A | 372 KG [820 LB] | N/A | 513 KG [1130 LB] |



SKID MOUNTED GENSET (NO TRAILER)

| | | | | | |
|---|----------------------------|------------------|-----------------|-----|--------------------------|
| UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS | | REV NO: A0452104 | BY: A. KULKARNI | | CUMMINS POWER GENERATION |
| DO NOT SCALE PRINT | | CHK: N. KELL | APPD: P. VAIDYA | | OUTLINE, GENSET |
| X ± | 0.00 - 4.99 +0.157/-0.06 | DATE: 29DEC15 | SCALE: 1:1 | PGF | A054F941 |
| Y ± | 5.00 - 9.99 +0.257/-0.10 | | SCALE: 1:1 | | |
| Z ± | 10.00 - 14.99 +0.257/-0.13 | | | | |
| XY ± | 15.00 - 24.99 +0.307/-0.13 | | | | |
| ANG TOL | SCALE: 1:1 | | | | |
| ± 1.0° | SCALE: 1:1 | | | | |

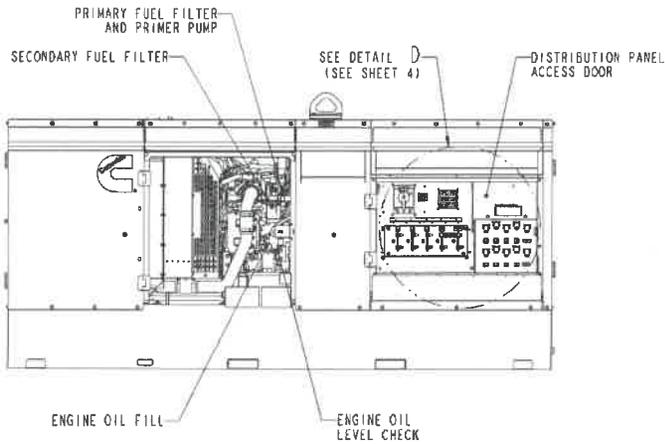
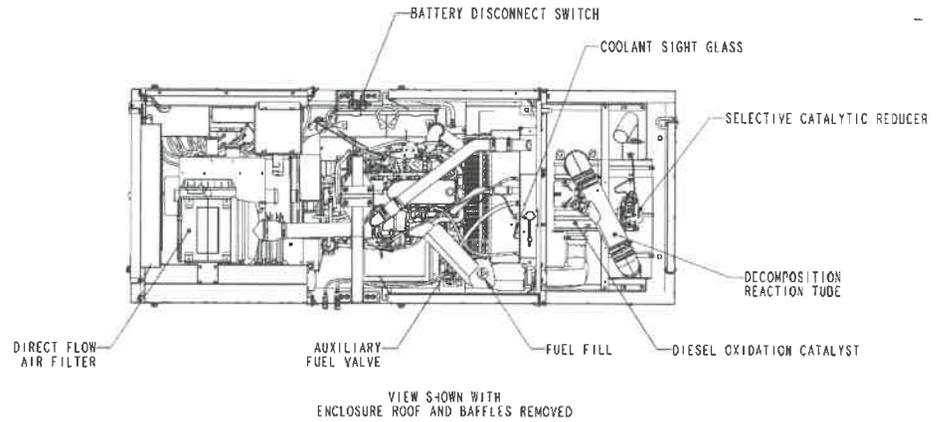
| REV NO | REV DATE | REVISION | APP'D | CHK'D | DATE |
|------------|----------|--------------------|-------|---------------|---------|
| ECO-157443 | A | PRODUCTION RELEASE | APP'D | CHK P. VAIDYA | 29DEC15 |



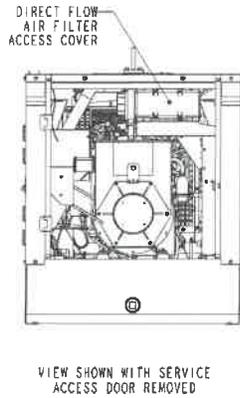
TRAILER MOUNTED GENSET

| | | | | |
|---|---------------------------|-------------------|--------------------|---|
| UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS | | REV NO: A0452104 | APP'D: A. KULKARNI | CUMMINS POWER GENERATION |
| DO NOT SCALE PRINT | | DESIGNER: M. KELL | CHK'D: P. VAIDYA | |
| Z ±: | 0.00 - 4.89 +0.157-0.08 | DATE: 29DEC15 | SCALE: 1/4 | OUTLINE, GENSET S.I. FILE CODE: PGF REV: D A054F94I SHEET: 3 of 4 |
| X ±: | 5.00 - 9.99 +0.201-0.10 | SCALE: 1/16 | SCALE: 1/4 | |
| Y ±: | 0.00 - 17.48 +0.257-0.13 | SCALE: 1/16 | SCALE: 1/4 | |
| X ±: | 17.50 - 24.99 +0.307-0.13 | SCALE: 1/16 | SCALE: 1/4 | |

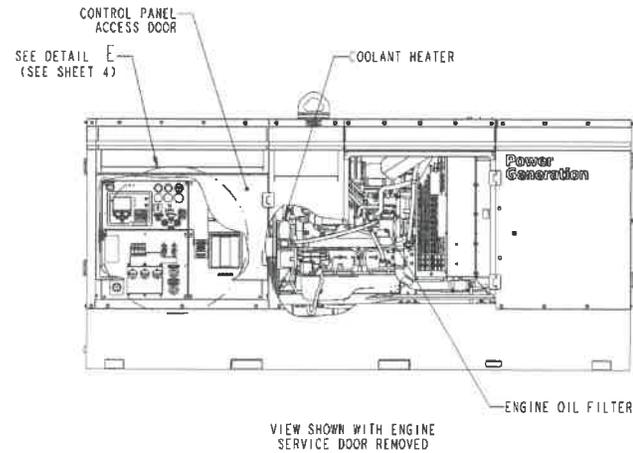
| REV NO | REV | NO | REVISION | APP'D | DATE |
|------------|-----|----|--------------------|-------|----------------------|
| ECO-157443 | A | 1 | PRODUCTION RELEASE | APP'D | AS P. VAIDYA 29DEC13 |



VIEW B-B
 (SEE SHEET 1)
 VIEW SHOWN WITH ENGINE SERVICE DOOR REMOVED



VIEW SHOWN WITH SERVICE ACCESS DOOR REMOVED



VIEW SHOWN WITH ENGINE SERVICE DOOR REMOVED

| | | | | |
|--|-----------------|--|------------------------|--|
| UNLESS DIMENSIONS SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS | | REV 10 AD432/04 | BY: A. KULKARNI | CUMMINS POWER GENERATION OUTLINE, GENSET |
| DO NOT SCALE PRINT | | APP'D P. VAIDYA | CHK'D M. KELL | |
| DIM X ± 0.00-4.59 +0.15/-0.08 Y ± 0.00-9.59 +0.20/-0.10 Z ± 0.00-17.49 +0.25/-0.13 ANG TOL ± 1.0° | SCALE 1:1/16 | DATE DIMENSIONS FOR THE UNIT MUST BE OBTAINED FROM THE MANUFACTURER'S DRAWINGS. THIS DRAWING IS FOR INFORMATION ONLY. IT IS NOT TO BE USED FOR FABRICATION OR CONSTRUCTION. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS OF THE PARTS AND ASSEMBLIES TO BE USED IN THE FINAL DESIGN. | SITE CODE C150/C200 | PGF A054F941 |

