

# Electric Fund Highlights

## Revenue

### Charges for Services

Revenues are forecasted based upon our 2019 Rate Study data provided by our rate consultant and further adjusted for noted changes in consumption patterns. In total, our forecasted 2021 Charges for Services increased by \$834,310 from Charges for Services budgeted for FY 2020. We project the power cost adjustment (a component of revenue) to remain the same at \$.013 per kWh for FY 2021. The projection for gross revenue from customers in FY 2021 is \$130,044,100.

### Electric expenditures

**Administration Services:** Net increase of \$26,790 resulting from an increase in salary adjustments and a decrease in internal allocations

**Engineering:** Increase of \$84,650 due to the net effect of an increase in salary and wages offset by a decrease in maintenance service contracts.

**Distribution:** Decrease of \$161,650 due to a decrease of \$195,000 in vehicle expense.

**Meters:** Net increase of \$3,880 for uniforms and maintenance service contracts offset by a decrease in computers and materials and supplies.

**Substations:** Decrease of \$84,460 composed of a decrease for contractors, building repairs, wages and benefits and materials and supplies.

**Hydro-Electric:** Increase of \$88,810 for engineering services, contractors and maintenance supplies

**Generators:** An increase of \$341,720 over all line items except for contractors.

**Utility Administrative Services:** Increase of \$518,340 for management consulting services of \$379,000 and rebate expense of \$168,000.

**Support Services:** Decrease of \$28,600 due to decreases in all line items except salaries.

**Debt Service:** \$235,890 increase represents debt service for 2018 general obligation bonds

**Source of Supply:** Purchased Power costs are projected to increase \$422,660.

## Capital Expenses:

### Regular Capital

The budget for system maintenance and new service installations of \$265,580 reflects a decrease of \$3,239,950 primarily due to the reductions of contractor expenses for tree trimming. This will be completed by hiring additional staff. In addition to system maintenance and new service installations, included in regular capital are:

|   |           |
|---|-----------|
| Purchase of Transformers  | \$780,000 |
| Replacement of four line crew pickup trucks/ tree trimming equipment (skid steer) | \$219,000 |
| Existing capital leases   | \$146,530 |
| Purchase of electric meters and sockets   | \$119,520 |

### Projects

We included \$5,800,000 in Capital Improvement Projects:

- Substation Upgrades - \$4,000,000
- Line Rebuilds/25kV Conversion - \$1,800,000

All projects will be financed with bonds.

We forecast the Electric Fund will contribute \$151,950 to its fund balance in fiscal 2021.

Adopted Budget - FY 2021

Electric

Calculation of Contribution to(from) Fund Balance/General Fund

|   | Adopted Budget FY 2020 | Adopted Budget FY 2021 |
|---|------------------------|------------------------|
| <b>Estimated Revenue</b>                          |                        |                        |
| Rev-Use Money/Property                            | 1,680,280              | 1,564,180              |
| Charges for Services                              | 127,509,640            | 128,343,950            |
| Miscellaneous Revenue                             | 168,000                | 130,000                |
| Recovered Cost                                    | 6,000                  | 5,970                  |
| Non-Revenue Receipts                              | 0                      | 0                      |
| <b>Total Estimated Revenue</b>                    | <b>129,363,920</b>     | <b>130,044,100</b>     |
| <b>Operating Expenses</b>                         |                        |                        |
| Administration Services                           | 6,270,960              | 6,338,960              |
| Utility Administrative Services                   | 778,630                | 1,296,970              |
| Support Services                                  | 366,700                | 338,100                |
| Engineering                                       | 959,840                | 1,044,490              |
| Distribution                                      | 109,027,030            | 109,613,840            |
| Meters  | 379,700                | 383,580                |
| Transmissions                                     | 190,000                | 175,000                |
| Substations                                       | 1,421,140              | 1,336,680              |
| Hydro-Electric Plant                              | 889,770                | 978,580                |
| Generators  | 27,000                 | 368,720                |
| Customer Services                                 | 0                      | 0                      |
| Capital Expenses                                  | 4,005,530              | 3,306,680              |
| Capital Projects                                  | 500,000                | 0                      |
| <b>Total Operating Expenses</b>                   | <b>124,816,300</b>     | <b>125,181,600</b>     |
| Net Operating Income (Loss)                       | 4,547,620              | 4,862,500              |
| Add:  |                        |                        |
| Depreciation                                      | 8,573,000              | 8,871,610              |
| Deduct:   |                        |                        |
| Debt Service Principal                            | 2,916,660              | 3,152,550              |
| Capital Expenditures from Current Operating Funds | 0                      | 0                      |
| Contribution to City's General Fund               | 10,429,610             | 10,429,610             |
| <b>Contribution To(From) Retained Earnings</b>    | <b>(225,650)</b>       | <b>151,950</b>         |

**ELECTRIC FUND**  
**ADOPTED BUDGET - CAPITAL & SPECIAL PROJECTS - FY 2021-2025**

| Project/Source                        | PL#   | FY 2021             | FY 2022             | FY 2023             | FY 2024             | FY 2025             | 5 Yr Total           |
|---------------------------------------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| <b>Distribution</b>                   |       |                     |                     |                     |                     |                     |                      |
| Line Rebuilds/25 kV Conversion        | 60654 | \$ 1,800,000        | \$ 1,600,000        | \$ 1,600,000        | \$ 1,600,000        | \$ 1,500,000        | \$ 8,100,000         |
| <b>Distribution Total</b>             |       | <b>\$ 1,800,000</b> | <b>\$ 1,600,000</b> | <b>\$ 1,600,000</b> | <b>\$ 1,600,000</b> | <b>\$ 1,500,000</b> | <b>\$ 8,100,000</b>  |
| <b>Substations</b>                    |       |                     |                     |                     |                     |                     |                      |
| Substation Upgrades                   | 61029 | \$ 4,000,000        | \$ 3,000,000        | \$ 3,000,000        | \$ 3,000,000        | \$ 3,000,000        | \$ 16,000,000        |
| <b>Substations Total</b>              |       | <b>\$ 4,000,000</b> | <b>\$ 3,000,000</b> | <b>\$ 3,000,000</b> | <b>\$ 3,000,000</b> | <b>\$ 3,000,000</b> | <b>\$ 16,000,000</b> |
| <b>Transmission</b>                   |       |                     |                     |                     |                     |                     |                      |
| AEP Fourth Delivery Point - West Fork | 61251 | \$ -                | \$ 4,000,000        | \$ -                | \$ -                | \$ -                | \$ 4,000,000         |
| <b>Transmission Total</b>             |       | <b>\$ -</b>         | <b>\$ 4,000,000</b> | <b>\$ -</b>         | <b>\$ -</b>         | <b>\$ -</b>         | <b>\$ 4,000,000</b>  |
| <b>Fund Total</b>                     |       | <b>\$ 5,800,000</b> | <b>\$ 8,600,000</b> | <b>\$ 4,600,000</b> | <b>\$ 4,600,000</b> | <b>\$ 4,500,000</b> | <b>\$ 28,100,000</b> |
| <b>Funding Source:</b>                |       |                     |                     |                     |                     |                     |                      |
| Bonds                                 |       | \$ 5,800,000        | \$ 8,600,000        | \$ 4,600,000        | \$ 4,600,000        | \$ 4,500,000        | \$ 28,100,000        |
| <b>Total Funding</b>                  |       | <b>\$ 5,800,000</b> | <b>\$ 8,600,000</b> | <b>\$ 4,600,000</b> | <b>\$ 4,600,000</b> | <b>\$ 4,500,000</b> | <b>\$ 28,100,000</b> |

**ELECTRIC FUND**  
**ADOPTED BUDGET - CAPITAL & SPECIAL PROJECTS - FY 2021-2025**

| Project/Source                        | PL#   | FY 2021             | FY 2022             | FY 2023             | FY 2024             | FY 2025             | 5 Yr Total           |
|---------------------------------------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| <b>Distribution</b>                   |       |                     |                     |                     |                     |                     |                      |
| Line Rebuilds/25 kV Conversion        | 60654 | \$ 1,800,000        | \$ 1,600,000        | \$ 1,600,000        | \$ 1,600,000        | \$ 1,500,000        | \$ 8,100,000         |
| <b>Distribution Total</b>             |       | <b>\$ 1,800,000</b> | <b>\$ 1,600,000</b> | <b>\$ 1,600,000</b> | <b>\$ 1,600,000</b> | <b>\$ 1,500,000</b> | <b>\$ 8,100,000</b>  |
| <b>Substations</b>                    |       |                     |                     |                     |                     |                     |                      |
| Substation Upgrades                   | 61029 | \$ 4,000,000        | \$ 3,000,000        | \$ 3,000,000        | \$ 3,000,000        | \$ 3,000,000        | \$ 16,000,000        |
| <b>Substations Total</b>              |       | <b>\$ 4,000,000</b> | <b>\$ 3,000,000</b> | <b>\$ 3,000,000</b> | <b>\$ 3,000,000</b> | <b>\$ 3,000,000</b> | <b>\$ 16,000,000</b> |
| <b>Transmission</b>                   |       |                     |                     |                     |                     |                     |                      |
| AEP Fourth Delivery Point - West Fork | 61251 | \$ -                | \$ 4,000,000        | \$ -                | \$ -                | \$ -                | \$ 4,000,000         |
| <b>Transmission Total</b>             |       | <b>\$ -</b>         | <b>\$ 4,000,000</b> | <b>\$ -</b>         | <b>\$ -</b>         | <b>\$ -</b>         | <b>\$ 4,000,000</b>  |
| <b>Fund Total</b>                     |       | <b>\$ 5,800,000</b> | <b>\$ 8,600,000</b> | <b>\$ 4,600,000</b> | <b>\$ 4,600,000</b> | <b>\$ 4,500,000</b> | <b>\$ 28,100,000</b> |
| <b>Funding Source:</b>                |       |                     |                     |                     |                     |                     |                      |
| Bonds                                 |       | \$ 5,800,000        | \$ 8,600,000        | \$ 4,600,000        | \$ 4,600,000        | \$ 4,500,000        | \$ 28,100,000        |
| <b>Total Funding</b>                  |       | <b>\$ 5,800,000</b> | <b>\$ 8,600,000</b> | <b>\$ 4,600,000</b> | <b>\$ 4,600,000</b> | <b>\$ 4,500,000</b> | <b>\$ 28,100,000</b> |

Revenue categories for this fund are as follows:

**REVENUE – USE OF MONEY/PROPERTY:** This revenue category includes: **Interest on Investments** - All of the City’s funds are invested in secured accounts in an attempt to earn the highest possible return. Investments earnings are a function of the money marketplace and swings in the revenues reflect higher or lower interest rates.

Other sources include: **Rental Income** that is offset by vehicle and equipment charges to the divisions for daily and monthly usage and a warehouse administration fee charged to each utility division.... **Sale-Salvage and Surplus Property** - This revenue represents the sale of surplus vehicles and equipment and funds received from the sale of scrap metal. Also included are income for the lease of real property and pole attachment fees charged to other utility companies for permitting attachment of their utility lines to poles owned and maintained by the City of Danville.

**CHARGES FOR SERVICES:** This revenue category include consumer fees and is the major revenue source for the Electric Fund. The residential category is the largest part of that revenue stream, representing 37,117 customers. The commercial base represent 4,701 customers and the industrial base has 31 customers. Lighting revenue represents off-street and security lighting sales as well as municipal street lighting. The municipal class represents electricity sold to the City for its municipal facilities. Other revenues in this category include penalties for non-payment and reconnection fees and charges. In FY20, power costs are projected to be lower than in FY19 due to the improved production at Prairie State. This generation asset accounts for approximately 40% of Danville’s power supply. Also, PJM capacity costs will be lower in FY20 than FY19 due to new generation being built in the PJM territory. This will also be the case in FY21 before returning to average capacity costs in FY22.

**MISCELLANEOUS REVENUE:** Miscellaneous revenue includes charges to customers who request alternation or expansion of their existing services and for amounts billed to third parties for damages to equipment and infrastructure.

**RECOVERED COST:** This revenue includes insurance reimbursements and restitution from third parties.

|                              | FY 2018<br>Actual     | FY 2019<br>Actual     | FY 2020<br>Adopted    | FY 2021<br>Adopted    | Increase/<br>(Decrease) |
|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| <b>Revenues:</b>             |                       |                       |                       |                       |                         |
| Revenue-Use Money & Property | \$ 1,374,906          | \$ 2,012,606          | \$ 1,680,280          | \$ 1,564,180          | \$ (116,100)            |
| Charges for Services         | 128,311,755           | 117,994,168           | 127,509,640           | 128,343,950           | 834,310                 |
| Miscellaneous Rev            | 381,229               | 195,986               | 168,000               | 130,000               | (38,000)                |
| Loan Proceeds                | 6,517                 | 189,762               | -                     | 5,970                 | 5,970                   |
| Recovered Costs              | -                     | -                     | 6,000                 | -                     | (6,000)                 |
| <b>Totals</b>                | <b>\$ 130,074,407</b> | <b>\$ 120,392,522</b> | <b>\$ 129,363,920</b> | <b>\$ 130,044,100</b> | <b>\$ 680,180</b>       |

**Description**

The mission of the Electric Fund is to provide reliable and affordable electric service to its customers. The Electric Fund includes the Division of Power and Light and functions as the cost allocation center for the Utilities Department's Administration, Customer Service, and Support Services Divisions that serve the Electric, Gas, Water, Wastewater, and Telecommunications Funds.

**Expenditures**

The majority of the increase in Cost Allocation represents the Electric Funds reimbursement to the General Fund for Customer Services costs. This division of the Electric Fund has been transferred to the Finance Department, Customer Accounting Division in the amount of \$1,370,590. The balance of the increase reflects the actual increase in other Cost Allocations.

Cost of the Pay Study and Pay-for-Performance are posted to this account to be distributed to operations after final approval of the budget.

|                     | <b>FY 2018<br/>Actual</b> | <b>FY 2019<br/>Actual</b> | <b>FY 2020<br/>Adopted</b> | <b>FY 2021<br/>Adopted</b> | <b>Increase/<br/>(Decrease)</b> |
|---------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------------|
| <b>Expenditures</b> |                           |                           |                            |                            |                                 |
| Personnel Services  | \$ 173,648                | \$ 112,140                | \$ 86,910                  | \$ 309,160                 | \$ 222,250                      |
| Employee Benefits   | 302,855                   | (5,056)                   | 182,380                    | 177,970                    | (4,410)                         |
| Purchased Services  | 372,970                   | 395,973                   | 360,310                    | 395,310                    | 35,000                          |
| Internal Service    | 61,792                    | 88,567                    | 59,230                     | 59,860                     | 630                             |
| Other Operating Exp | 734,843                   | 979,801                   | 874,300                    | 831,660                    | (42,640)                        |
| Cost Allocation     | 1,058,346                 | 1,404,797                 | 2,734,250                  | 2,636,340                  | (97,910)                        |
| Capital Outlay      | -                         | -                         | -                          | -                          | -                               |
| Depreciation        | 240,897                   | 197,346                   | 205,000                    | 177,810                    | (27,190)                        |
| Debt Service        | 1,667,141                 | 1,618,832                 | 1,574,300                  | 1,580,830                  | 6,530                           |
| Transfer Out        | 10,021,610                | 10,021,610                | 10,429,610                 | 10,429,610                 | -                               |
| <b>Totals</b>       | <b>\$ 14,634,102</b>      | <b>\$ 14,814,010</b>      | <b>\$ 16,506,290</b>       | <b>\$ 16,598,550</b>       | <b>\$ 92,260</b>                |

**Personnel**

| <b>Position Title</b>         | <b>FY 2019<br/>FTEs</b> | <b>FY 2020<br/>FTEs</b> | <b>FY 2021<br/>FTEs</b> |
|-------------------------------|-------------------------|-------------------------|-------------------------|
| DIVISION DIR OF POWER & LIGHT | 1.000                   | 1.000                   | 1.000                   |
| <b>Total</b>                  | <b>1.000</b>            | <b>1.000</b>            | <b>1.000</b>            |

## Description

Electric engineering is responsible for engineering capital and maintenance projects, distribution upgrades, commercial and residential installations and any form of customer service request. The division also assists electric line crews with power restoration.

## Expenditures

|                     | <b>FY 2018<br/>Actual</b> | <b>FY 2019<br/>Actual</b> | <b>FY 2020<br/>Adopted</b> | <b>FY 2021<br/>Adopted</b> | <b>Increase/<br/>(Decrease)</b> |
|---------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------------|
| <b>Expenditures</b> |                           |                           |                            |                            |                                 |
| Personnel Services  | \$ 530,446                | \$ 438,260                | \$556,860                  | \$ 662,010                 | \$ 105,150                      |
| Employee Benefits   | 78,361                    | 64,849                    | 85,790                     | 76,230                     | (9,560)                         |
| Purchased Services  | 45,277                    | 106,240                   | 122,580                    | 134,420                    | 11,840                          |
| Internal Service    | 40,386                    | 43,183                    | 40,490                     | 490                        | (40,000)                        |
| Other Operating Exp | 51,831                    | 75,850                    | 152,240                    | 171,340                    | 19,100                          |
| Capital Outlay      | 695                       | 1,044                     | 1,880                      | -                          | (1,880)                         |
| <b>Totals</b>       | <b>\$ 746,996</b>         | <b>\$ 729,426</b>         | <b>\$959,840</b>           | <b>\$ 1,044,490</b>        | <b>\$ 84,650</b>                |

## Personnel

| <b>Position Title</b>          | <b>FY 2019<br/>FTEs</b> | <b>FY 2020<br/>FTEs</b> | <b>FY 2021<br/>FTEs</b> |
|--------------------------------|-------------------------|-------------------------|-------------------------|
| SENIOR SECRETARY               | 0.500                   | 0.500                   | 0.500                   |
| ELECTRIC ENGINEERING AIDE      | 1.000                   | -                       | 1.000                   |
| SR ELEC GIS/CAD TECHNICIAN     | -                       | 1.000                   | 1.000                   |
| ELECTRIC ENGINEERING TECH      | -                       | 2.000                   | 2.000                   |
| ELECTRIC SR ENGINEERING TECH   | 4.000                   | 2.000                   | 2.000                   |
| ELEC ENG TECH/ COMPLIANCE COOR | 1.000                   | 1.000                   | 2.000                   |
| ELECTRIC ENGINEERING TECH SPVR | 1.000                   | 2.000                   | -                       |
| SENIOR ELECTRIC ENGINEER       | -                       | -                       | 1.000                   |
| ELECTRIC ENGINEER              | 2.000                   | 2.000                   | 1.000                   |
| ELCTRC DRAFTING/GIS TECH       | 1.000                   | -                       | 1.000                   |
| <b>Total</b>                   | <b>10.500</b>           | <b>10.500</b>           | <b>11.500</b>           |



## Description

The Electric Distribution Department installs and repairs streetlights and outdoor customer lights, repairs and replaces overhead and underground primary, repairs and replaces poles, conductors, switches and fuses and responds to customer outages twenty four hours per day. The Electric Distribution Department is also responsible for right of way clearing.

The electric distribution system covers approximately 500 square miles including the City and portions of three adjacent counties. Service is provided to approximately 42,000 customer locations through 1,400 miles of 12,470/7,200 volt distribution lines.

## Expenditures

|                     | FY 2018<br>Actual     | FY 2019<br>Actual     | FY 2020<br>Adopted    | FY 2021<br>Adopted    | Increase/<br>(Decrease) |
|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| <b>Expenditures</b> |                       |                       |                       |                       |                         |
| Personnel Services  | \$ 1,300,892          | \$ 1,362,850          | \$ 1,147,260          | \$ 1,254,430          | \$ 107,170              |
| Employee Benefits   | 168,178               | 178,193               | 153,490               | 144,470               | (9,020)                 |
| Purchased Services  | 2,718,854             | 2,366,774             | 2,610,650             | 2,534,720             | (75,930)                |
| Internal Service    | 205,869               | 199,003               | 220,200               | 24,500                | (195,700)               |
| Other Operating Exp | 412,655               | 420,413               | 455,150               | 472,260               | 17,110                  |
| Source of Supply    | 101,622,531           | 92,238,654            | 96,067,000            | 96,489,660            | 422,660                 |
| Capital Outlay      | 4,721                 | 5,683                 | 5,280                 | -                     | (5,280)                 |
| Depreciation        | 7,758,634             | 7,930,890             | 8,368,000             | 8,693,800             | 325,800                 |
| <b>Totals</b>       | <b>\$ 114,192,334</b> | <b>\$ 104,702,460</b> | <b>\$ 109,027,030</b> | <b>\$ 109,613,840</b> | <b>\$ 586,810</b>       |

## Personnel

| Position Title                 | FY 2019<br>FTEs | FY 2020<br>FTEs | FY 2021<br>FTEs |
|--------------------------------|-----------------|-----------------|-----------------|
| DISPATCHER                     | 1.000           | 1.000           | 1.000           |
| CREW SUPERVISOR                | 1.000           | -               | -               |
| ELECTRIC GROUNDWORKER          | -               | 0.420           | 0.420           |
| ELECT LINE OH/UG EQUIP OPER    | 1.400           | 0.840           | 0.570           |
| ELECTRIC LINE TECHNICIAN I     | 2.520           | 0.420           | 2.100           |
| ELECTRIC LINE TECHNICIAN II    | 3.360           | 4.210           | 2.940           |
| ELECTRIC LINE TECHNICIAN III   | 3.360           | 3.780           | 3.780           |
| ELECTRIC LINE CREW SUPERVISOR  | 2.100           | 2.100           | 2.100           |
| ELECTRIC VEGETATION ROW SUPER  | -               | 0.420           | 0.420           |
| ELECTRC DSTRBTN SUPERINTENDENT | 1.000           | 1.000           | 1.000           |
| ELECTRIC RIGHT OF WAY TRIMMER  | 3.000           | 1.170           | 1.260           |
| INSPECTOR-CONTRACTOR MANAGER   | 1.000           | 1.000           | 2.000           |
| <b>Total</b>                   | <b>19.740</b>   | <b>16.360</b>   | <b>17.590</b>   |

**Description**

Electric substations budgets and accounts for the maintenance, operation, and repair of seventeen substations, twenty one regulator sites and the electronic systems and devices associated with them. Substations' responsibilities also include the systems and software that monitor the electric system and dispatch personnel for maintenance and restoration services within the electric distribution territory. Additionally, electric substations tests and inspects substations and related facilities.

**Expenditures**

|                          | <b>FY 2018<br/>Actual</b> | <b>FY 2019<br/>Actual</b> | <b>FY 2020<br/>Adopted</b> | <b>FY 2021<br/>Adopted</b> | <b>Increase/<br/>(Decrease)</b> |
|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------------|
| <b>Expenditures</b>      |                           |                           |                            |                            |                                 |
| Personnel Services       | \$ 581,238                | \$ 694,325                | \$ 708,310                 | \$ 742,250                 | \$ 33,940                       |
| Employee Benefits        | 76,165                    | 88,461                    | 100,210                    | 87,710                     | (12,500)                        |
| Purchased Services       | 50,982                    | 260,076                   | 327,790                    | 198,270                    | (129,520)                       |
| Internal Service         | 136,081                   | 147,948                   | 106,100                    | 125,830                    | 19,730                          |
| Other Operating Expenses | 311,303                   | 191,615                   | 177,770                    | 182,620                    | 4,850                           |
| Capital Outlay           | 224                       | 611                       | 960                        | -                          | (960)                           |
| <b>Totals</b>            | <b>\$ 1,155,993</b>       | <b>\$ 1,383,036</b>       | <b>\$ 1,421,140</b>        | <b>\$ 1,336,680</b>        | <b>\$ (84,460)</b>              |

**Personnel**

| <b>Position Title</b>          | <b>FY 2019<br/>FTEs</b> | <b>FY 2020<br/>FTEs</b> | <b>FY 2021<br/>FTEs</b> |
|--------------------------------|-------------------------|-------------------------|-------------------------|
| IT SCADA SYSTEMS ANALYST       | -                       | 1.000                   | 1.000                   |
| ELECTRIC GROUNDWORKER          | -                       | 0.010                   | 0.010                   |
| ELECT LINE OH/UG EQUIP OPER    | -                       | 0.020                   | 0.020                   |
| ELECTRIC LINE TECHNICIAN I     | 0.060                   | 0.010                   | 0.050                   |
| ELECTRIC LINE TECHNICIAN II    | 0.080                   | 0.100                   | 0.070                   |
| ELECTRIC LINE TECHNICIAN III   | 0.080                   | 0.090                   | 0.090                   |
| ELECTRIC LINE CREW SUPERVISOR  | 0.050                   | 0.050                   | 0.050                   |
| ELECTRIC VEGETATION ROW SUPER  | -                       | 0.010                   | 0.010                   |
| ELECTRIC SUBSTATION TECHNICIAN | 4.000                   | 3.000                   | 3.000                   |
| UTILITY OPERATOR               | 4.800                   | 4.800                   | 5.400                   |
| ELCTRC SUBSTN SUPERVISOR       | -                       | 1.000                   | 1.000                   |
| ELCTRC SUBSTN SUPERINTENDENT   | 1.000                   | 1.000                   | -                       |
| IT SCADA SYSTEMS ANALYST       | 1.000                   | -                       | -                       |
| ELECTRIC RIGHT OF WAY TRIMMER  | -                       | 0.030                   | 0.030                   |
| <b>Total</b>                   | <b>11.070</b>           | <b>11.120</b>           | <b>10.730</b>           |

## Description

The electric metering division is responsible for the maintenance and operation of the automated meter reading information and the physical meters. The team tests, calibrates and removes or installs any meter assigned within the 500 square miles of the system. Additionally, the group is responsible for meter disconnects and reconnects and investigations for meter tampering.

## Expenditures

|                          | FY 2018<br>Actual | FY 2019<br>Actual | FY 2020<br>Adopted | FY 2021<br>Adopted | Increase/<br>(Decrease) |
|--------------------------|-------------------|-------------------|--------------------|--------------------|-------------------------|
| <b>Expenditures</b>      |                   |                   |                    |                    |                         |
| Personnel Services       | \$ 207,491        | \$ 191,709        | \$ 257,590         | \$ 265,860         | \$ 8,270                |
| Employee Benefits        | 28,489            | 26,218            | 37,750             | 32,350             | (5,400)                 |
| Purchased Services       | 4,832             | 8,915             | 12,790             | 12,390             | (400)                   |
| Internal Service         | 28,947            | 26,853            | 28,000             | 30,000             | 2,000                   |
| Other Operating Expenses | 16,945            | 34,240            | 40,690             | 42,980             | 2,290                   |
| Capital Outlay           | 3,027             | 2,825             | 2,880              | -                  | (2,880)                 |
| <b>Totals</b>            | <b>\$ 289,731</b> | <b>\$ 290,760</b> | <b>\$ 379,700</b>  | <b>\$ 383,580</b>  | <b>\$ 3,880</b>         |

## Personnel

| Position Title                | FY 2019<br>FTEs | FY 2020<br>FTEs | FY 2021<br>FTEs |
|-------------------------------|-----------------|-----------------|-----------------|
| AMI SUPPORT TECHNICIAN        | -               | 1.000           | 1.000           |
| ELECTRIC METER TECHNICIAN II  | 2.000           | 1.000           | 1.000           |
| ELECTRIC METER TECHNICIAN III | 1.000           | 2.000           | 1.000           |
| ELECTRIC METER SUPERVISOR     | 1.000           | 1.000           | 1.000           |
| <b>Total</b>                  | <b>4.000</b>    | <b>5.000</b>    | <b>4.000</b>    |

## Description

Electric Hydro section provides 10 MW of peaking power to the City of Danville power distribution grid .This is accomplished by operating hydro-electric generators and related equipment, and inspecting and maintaining facilities, dams, pipeline and reservoirs. Hydro Electric follows the guidelines, policies and regulations set by the Federal Energy Regulatory Commission.

## Expenditures

|                          | FY 2018<br>Actual | FY 2019<br>Actual | FY 2020<br>Adopted | FY 2021<br>Adopted  | Increase/<br>(Decrease) |
|--------------------------|-------------------|-------------------|--------------------|---------------------|-------------------------|
| <b>Expenditures</b>      |                   |                   |                    |                     |                         |
| Personnel Services       | \$ 355,944        | \$ 349,053        | \$ 387,290         | \$ 382,160          | \$ (5,130)              |
| Employee Benefits        | 45,408            | 45,728            | 52,690             | 45,300              | (7,390)                 |
| Purchased Services       | 152,699           | 192,234           | 351,310            | 742,730             | 391,420                 |
| Internal Service         | 20,719            | 20,640            | 20,640             | 20,540              | (100)                   |
| Other Operating Expenses | 69,612            | 76,495            | 104,840            | 156,570             | 51,730                  |
| Capital Outlay           | -                 | 278               | -                  | -                   | -                       |
| <b>Totals</b>            | <b>\$ 644,382</b> | <b>\$ 684,428</b> | <b>\$ 916,770</b>  | <b>\$ 1,347,300</b> | <b>\$ 430,530</b>       |

## Personnel

| Position Title                 | FY 2019<br>FTEs | FY 2020<br>FTEs | FY 2021<br>FTEs |
|--------------------------------|-----------------|-----------------|-----------------|
| HYDRO-ELECTRIC ATTENDENT       | 1.000           | 1.000           | 1.000           |
| HYDRO-ELECTRIC OPERATOR        | 4.000           | 4.000           | 4.000           |
| HYDRO-ELECTRIC MAINTENANCE TEC | 1.000           | 1.000           | 1.000           |
| HYDRO-ELECTRIC SUPERINTENDENT  | 1.000           | 1.000           | 1.000           |
| <b>Total</b>                   | <b>7.000</b>    | <b>7.000</b>    | <b>7.000</b>    |

**Description**

Electric transmission budgets and accounts for maintenance of the transmission line from the Pinnacles Hydro generation facility to the Westfork substation. Taxes on electric infrastructure and facilities located outside of the City of Danville are also included in electric transmission.

**Expenditures**

|                          | <b>FY 2018<br/>Actual</b> | <b>FY 2019<br/>Actual</b> | <b>FY 2020<br/>Adopted</b> | <b>FY 2021<br/>Adopted</b> | <b>Increase/<br/>(Decrease)</b> |
|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------------|
| <b>Expenditures</b>      |                           |                           |                            |                            |                                 |
| Personnel Services       | \$ -                      | \$ -                      | \$ -                       | \$ -                       | \$ -                            |
| Employee Benefits        | -                         | -                         | -                          | -                          | -                               |
| Purchased Services       | 224,728                   | 62,962                    | 75,000                     | 75,000                     | -                               |
| Other Operating Expenses | 94,935                    | 97,075                    | 115,000                    | 100,000                    | (15,000)                        |
| <b>Totals</b>            | <b>\$ 319,663</b>         | <b>\$ 160,037</b>         | <b>\$ 190,000</b>          | <b>\$ 175,000</b>          | <b>\$ (15,000)</b>              |

**Personnel**

There are no employees specifically assigned to electric transmission. Hourly employees may charge a portion of their time to electric transmission through the work order system.

**Description**

Electric debt service budgets and accounts for the retirement of principal for general obligation bonds for the treatment division of the Electric fund.

**Expenditures**

|                     | <b>FY 2018<br/>Actual</b> | <b>FY 2019<br/>Actual</b> | <b>FY 2020<br/>Adopted</b> | <b>FY 2021<br/>Adopted</b> | <b>Increase/<br/>(Decrease)</b> |
|---------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------------|
| <b>Expenditures</b> |                           |                           |                            |                            |                                 |
| Debt Service        | \$ 2,606,067              | \$ 2,686,608              | \$ 2,916,660               | \$ 3,152,550               | \$ 235,890                      |
| <b>Totals</b>       | <b>\$ 2,606,067</b>       | <b>\$ 2,686,608</b>       | <b>\$ 2,916,660</b>        | <b>\$ 3,152,550</b>        | <b>\$ 235,890</b>               |

## Description

The purpose of the Capital Improvement Program is to ensure the orderly expansion or modification to the electric system for improved customer reliability, to allow future growth, and improve operational efficiency. This is accomplished by construction and/ or modifications to the distribution system, transmission system, and substations and implementation of computer applications.

## Expenditures

|                     | FY 2018<br>Actual    | FY 2019<br>Actual    | FY 2020<br>Adopted  | FY 2021<br>Adopted  | Increase/<br>(Decrease) |
|---------------------|----------------------|----------------------|---------------------|---------------------|-------------------------|
| <b>Expenditures</b> |                      |                      |                     |                     |                         |
| Personnel Services  | \$ 600,005           | \$ 570,812           | \$ 1,024,960        | \$ 1,161,530        | \$ 136,570              |
| Employee Benefits   | 79,876               | 76,668               | 144,040             | 141,100             | (2,940)                 |
| Purchased Services  | 4,543,445            | 7,833,386            | 355,000             | 40,000              | (315,000)               |
| Internal Service    | 144,269              | 118,565              | 185,300             | 1,000               | (184,300)               |
| Other Operating Exp | 4,481,025            | 4,444,557            | 1,527,470           | 1,593,520           | 66,050                  |
| Capital Outlay      | 2,224,502            | 148,135              | 137,320             | 223,000             | 85,680                  |
| Debt Service        | -                    | -                    | 500,000             | -                   | (500,000)               |
| Transfer Out        | 7,329                | 7,329                | 131,440             | 146,530             | 15,090                  |
| Capital Projects    | 130,000              | -                    | -                   | -                   | -                       |
| Contingency Approp  | -                    | -                    | 500,000             | -                   | (500,000)               |
| <b>Totals</b>       | <b>\$ 12,210,451</b> | <b>\$ 13,199,452</b> | <b>\$ 4,505,530</b> | <b>\$ 3,306,680</b> | <b>\$ (1,198,850)</b>   |

## Personnel

While there are no employees exclusively or specifically assigned to capital projects, hourly power and light employees are accounted for within capital projects through our work order system. Full-time Equivalents as budgeted are listed below.

| Position Title                | FY 2019<br>FTEs | FY 2020<br>FTEs | FY 2021<br>FTEs |
|-------------------------------|-----------------|-----------------|-----------------|
| ELECTRIC GROUNDWORKER         | -               | 0.570           | 0.570           |
| ELECT LINE OH/UG EQUIP OPER   | 0.600           | 1.140           | 1.140           |
| ELECTRIC LINE TECHNICIAN I    | 3.420           | 0.570           | 2.850           |
| ELECTRIC LINE TECHNICIAN II   | 4.560           | 5.700           | 3.990           |
| ELECTRIC LINE TECHNICIAN III  | 4.560           | 5.130           | 5.130           |
| ELECTRIC LINE CREW SUPERVISOR | 2.850           | 2.850           | 2.850           |
| ELECTRIC VEGETATION ROW SUPER | -               | 0.570           | 0.570           |
| ELECTRIC RIGHT OF WAY TRIMMER | -               | 1.710           | 1.710           |
| <b>Total</b>                  | <b>15.990</b>   | <b>18.240</b>   | <b>18.810</b>   |

**Description**

Electric Non-Capital accounts for Home\$ave, Danville Utilities' residential energy efficiency rebate program and Custom\$ave, Danville Utilities' commercial and industrial energy efficiency rebate program. In addition, to rebates, advertising, promotion and contractor expenses are accounted for within Electric Non-Capital. In Fiscal 2019, funding for the program was sourced from unexpended balances of closed capital projects.

**Expenditures**

|                     | <b>FY 2018<br/>Actual</b> | <b>FY 2019<br/>Actual</b> | <b>FY 2020<br/>Adopted</b> | <b>FY 2021<br/>Adopted</b> | <b>Increase/<br/>(Decrease)</b> |
|---------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------------|
| <b>Expenditures</b> |                           |                           |                            |                            |                                 |
| Purchased Services  | \$ 228,169                | \$ 262,590                | \$ -                       | \$ -                       | \$ -                            |
| Other Operating Exp | 1,682                     | 421                       | -                          | -                          | -                               |
| Debt Service        | 127,351                   | 203,563                   | -                          | -                          | -                               |
| <b>Totals</b>       | <b>\$ 357,202</b>         | <b>\$ 466,574</b>         | <b>\$ -</b>                | <b>\$ -</b>                | <b>\$ -</b>                     |

**Personnel**

There are no employees accounted for within "Electric Non Capital" however the Key Accounts Manager administers Home\$ave and Custom\$ave, our energy efficiency programs.



## Description

Utilities administration is responsible managing and providing leadership to all five utilities. Additional responsibilities include leveraging opportunities to make improvements to the City's water, wastewater treatment, natural gas, electric and telecommunication systems to benefit all ratepayers.

## Expenditures

|                          | FY 2018<br>Actual   | FY 2019<br>Actual   | FY 2020<br>Adopted  | FY 2021<br>Adopted  | Increase/<br>(Decrease) |
|--------------------------|---------------------|---------------------|---------------------|---------------------|-------------------------|
| <b>Expenditures</b>      |                     |                     |                     |                     |                         |
| Personnel Services       | \$ 876,149          | \$ 801,222          | \$ 829,480          | \$ 820,160          | \$ (9,320)              |
| Employee Benefits        | 129,049             | 117,801             | 175,320             | 104,950             | (70,370)                |
| Purchased Services       | 343,141             | 487,182             | 362,880             | 794,080             | 431,200                 |
| Internal Service         | 50,256              | 38,047              | 74,020              | 42,070              | (31,950)                |
| Other Operating Expenses | 153,341             | 129,222             | 154,470             | 146,900             | (7,570)                 |
| Cost Allocation          | (308,086)           | (272,533)           | (307,490)           | (280,000)           | 27,490                  |
| Capital Outlay           | 4,674               | 3,668               | 930                 | 930                 | -                       |
| Debt Service             | -                   | -                   | -                   | 126,000             | 126,000                 |
| Reimbursement            | 50,000              | 50,000              | 50,000              | 50,000              | -                       |
| <b>Totals</b>            | <b>\$ 1,298,524</b> | <b>\$ 1,354,609</b> | <b>\$ 1,339,610</b> | <b>\$ 1,805,090</b> | <b>\$ 465,480</b>       |

## Personnel

| Position Title                 | FY 2019<br>FTEs | FY 2020<br>FTEs | FY 2021<br>FTEs |
|--------------------------------|-----------------|-----------------|-----------------|
| PUBLIC INFORMATION OFFICER     | 1.000           | 1.000           | 1.000           |
| SR APPLICATION SUPPORT SPECLST | 1.000           | 1.500           | 1.000           |
| SENIOR SECRETARY               | 1.000           | 1.000           | 1.000           |
| KEY ACCOUNTS MANAGER           | 1.000           | 1.000           | 1.000           |
| DIRECTOR OF UTILITIES          | 1.000           | 1.000           | 1.000           |
| SENIOR ACCOUNT CLERK           | 2.000           | 2.000           | 2.000           |
| ACCOUNTANT II                  | 1.000           | 1.000           | 1.000           |
| TRAINING & SAFETY MANAGER      | 1.000           | 1.000           | 1.000           |
| WAREHOUSE STOCK CLERK          | 3.000           | 3.000           | 3.000           |
| UTILITIES WAREHOUSE MANAGER    | 1.000           | 1.000           | 1.000           |
| DIVISN DIR OF SUPPORT SERVICES | 1.000           | 1.000           | 1.000           |
| FACILITY & FLEET MGR           | -               | -               | 1.000           |
| SYSTEM ANALYST                 | -               | -               | 0.500           |
| <b>Total</b>                   | <b>14.000</b>   | <b>14.500</b>   | <b>14.000</b>   |

**Description**

This activity has been reassigned to the Finance Department, Customer Accounting Division in the General Fund. The Electric Fund reimburses the General Fund for the cost of this activity. See Electric Administration, Cost Allocation.

**Expenditures**

|                          | <b>FY 2018<br/>Actual</b> | <b>FY 2019<br/>Actual</b> | <b>FY 2020<br/>Adopted</b> | <b>FY 2021<br/>Adopted</b> | <b>Increase/<br/>(Decrease)</b> |
|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------------|
| <b>Expenditures</b>      |                           |                           |                            |                            |                                 |
| Personnel Services       | \$ 579,754                | \$ 532,908                | \$ -                       | \$ -                       | \$ -                            |
| Employee Benefits        | 88,753                    | 173,353                   | -                          | -                          | -                               |
| Purchased Services       | 15,816                    | 179,365                   | -                          | -                          | -                               |
| Internal Service         | 18,228                    | 18,034                    | -                          | -                          | -                               |
| Other Operating Expenses | 517,923                   | 601,828                   | -                          | -                          | -                               |
| Capital Outlay           | -                         | 5,309                     | -                          | -                          | -                               |
| Debt Service             | 6,616                     | 15,106                    | -                          | -                          | -                               |
| <b>Totals</b>            | <b>\$ 1,227,090</b>       | <b>\$ 1,525,903</b>       | <b>\$ -</b>                | <b>\$ -</b>                | <b>\$ -</b>                     |

**Personnel**

Effective FY 2020 Personnel have been reassigned to the Finance Department, Customer Accounts Division.

| <b>Position Title</b>          | <b>FY 2019<br/>FTEs</b> | <b>FY 2020<br/>FTEs</b> | <b>FY 2021<br/>FTEs</b> |
|--------------------------------|-------------------------|-------------------------|-------------------------|
| DIVSN DIR OF CUSTOMER SERVICE  | 1.000                   | -                       | -                       |
| CUSTOMER SERVICE REPRESENTATIV | 8.000                   | -                       | -                       |
| SR CUS SERVICE/TRAINING REP    | 1.000                   | -                       | -                       |
| UTILITY BILLING CLERK          | 3.000                   | -                       | -                       |
| UTILITY SPECIAL BILLING CLERK  | 2.000                   | -                       | -                       |
| SENIOR UTILITY BILLING CLERK   | 1.000                   | -                       | -                       |
| AMI SUPPORT TECHNICIAN         | 1.000                   | -                       | -                       |
| <b>TOTAL</b>                   | <b>17.000</b>           | <b>-</b>                | <b>-</b>                |

**FY 2021 FIVE-YEAR CAPITAL & SPECIAL PROJECTS PLAN**  
**PROJECT DESCRIPTION**

**Project Title:** Line Rebuilds/25 kV Conversion  
**Project No:** TBD

**Department:** Utilities  
**Division:** Power & Light  
**Section:** Distribution

**Description:**

Rebuilds and Reconductoring or three phasing of various line sections will allow Danville Utilities to remediate loading and/or service problems, allow for areas to be alternately fed, and support future growth. The work for 25kV voltage conversion will reinsulate various line sections for operation at 25 kV. The project will help address the utility's low load density service territory to the east, west and north. The lines in these areas have small conductors with four to nine mile tap lines and high customer counts. The traditional means of reconductoring multi-phasing lines to address growth and quality of service are not cost effective at \$170,000 per mile. Reinsulating these areas to operate at 25kV/14.4 V is forecasted at \$10 - \$12 thousand per mile.

**Justification:**

Line rebuilds and reconductoring will provide electrical capacity for alternate feeds and to support future growth. The 25kV reconductoring work will improve the voltage profile and decrease load and losses on the circuit.

**Comments:**

N/A

| <b>Funding</b>        | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024</b> | <b>FY 2025</b> | <b>Total</b> |
|-----------------------|----------------|----------------|----------------|----------------|----------------|--------------|
| Bonds                 | 1,800,000      | 1,600,000      | 1,600,000      | 1,600,000      | 1,500,000      | 8,100,000    |
| Total Funding Sources | 1,800,000      | 1,600,000      | 1,600,000      | 1,600,000      | 1,500,000      | 8,100,000    |

**Goals/Milestones:**

|         |  |
|---------|--|
| FY 2021 | Construct System improvements to maintain level of service and reliability standards |
| FY 2022 | Construct System improvements to maintain level of service and reliability standards |
| FY 2023 | Construct System improvements to maintain level of service and reliability standards |
| FY 2024 | Construct System improvements to maintain level of service and reliability standards |
| FY 2025 | Construct System improvements to maintain  |

**FY 2021 FIVE-YEAR CAPITAL & SPECIAL PROJECTS PLAN  
PROJECT DESCRIPTION**

**Project Title:** Substation Upgrades  
**Project No:** TBA

**Department:** Utilities  
**Division:** Power & Light  
**Section:** Substations

**Description:**

This project provides for the evaluation and replacement or rehabilitation of all substation transformers. This project proposes to rebuild substations to open air configuration due to age and equipment failure. Substations will be systematically evaluated and rehabilitated.

**Justification:**

Most of the substation transformers were installed in the 1970s. Many are approaching or have exceeded their life expectancy of thirty years. This project will initially evaluate the transformers and identify and prioritize potential problems. Additional subprojects will be developed for each replacement or rehabilitation.

**Comments:**

Proposed order of construction is based on age and independent substation evaluation  
FY2020 Riverside  
FY2021 Kentuck and Whitmell  
FY2022 Southside  
FY2023 Westover

| <b>Funding</b>        |  | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024</b> | <b>FY 2025</b> | <b>Total</b> |
|-----------------------|--|----------------|----------------|----------------|----------------|----------------|--------------|
| Bonds                 |  | 4,000,000      | 3,000,000      | 3,000,000      | 3,000,000      | 3,000,000      | 16,000,000   |
|                       |  |                |                |                |                |                |              |
| Total Funding Sources |  | 4,000,000      | 3,000,000      | 3,000,000      | 3,000,000      | 3,000,000      | 16,000,000   |

**Goals/Milestones:**

|         |  |
|---------|--|
| FY 2021 | Kentuck Substation   |
| FY 2022 | Southside substation   |
| FY 2023 | Westover Substation  |
| FY 2024 | Systematically replace the aged power transformer infrastructure identified in the study |
| FY 2025 | Systematically replace the aged power transformer infrastructure identified in the study |

**FY 2021 FIVE-YEAR CAPITAL & SPECIAL PROJECTS PLAN**  
**PROJECT DESCRIPTION**

**Project Title:** AEP Fourth Delivery Point - West Fork  
**Project No:** TBD

**Department:** Utilities  
**Division:** Power & Light  
**Section:** Transmission

**Description:**

System studies have indicated a need for a fourth delivery point on the west side of the City's electric service territory. AEP has completed their system impact study and determined the likely route to serve an interconnection point at West Fork substation. The interconnection would be a 138 kV transmission line that AEP would be responsible for building at their expense. The City would be required to acquire additional land for the interconnection and a new 138kV/69kV transformer.

**Justification:**

The project would increase reliability and allow for more flexibility when conducting maintenance on the system. During Hurricane Michael, the City lost two out of three interconnection points on AEP system because of faults on their system. This would allow for a fourth interconnection point out of a separate AEP substation 15 miles away from the closest City delivery point.

**Comments:**

N/A

| <b>Funding</b>        | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024</b> | <b>FY 2025</b> | <b>Total</b> |
|-----------------------|----------------|----------------|----------------|----------------|----------------|--------------|
| Bonds                 | -              | 4,000,000      | -              | -              | -              | 4,000,000    |
|                       |                |                |                |                |                |              |
| Total Funding Sources | -              | 4,000,000      | -              | -              | -              | 4,000,000    |

**Goals/Milestones:**

|         |  |
|---------|--|
| FY 2021 | N/A  |
| FY 2022 | Construct new fourth delivery point on west side of electric territory |
| FY 2023 | N/A  |
| FY 2024 | N/A  |
| FY 2025 | N/A  |