

2018 - 2022 Capital Improvement Plan



TABLE OF CONTENTS

| J | INTRODUCTION 2 | 2 |
|---|--|-----------|
| | 。 CIP Overview | 2 |
| | 。 Strategic Goals | 3 |
| | 。 Township Map 9 | 9 |
| J | SUMMARY | 10 |
| | Fund Groups Defined/Department Relationships * | 14 |
| | Fund Balances, Revenue & Expenditures | 16 |
| J | REVENUE SUMMARY 2 | 20 |
| | 。 Grants 2 | 22 |
| J | EXPENDITURES SUMMARY 2 | 25 |
| | Administration | 32 |
| | 。 Finance 3 | 38 |
| | 。 Debt Service | 41 |
| | 。 Information Technology | 42 |
| | 。 Police | 45 |
| | 。 Planning & Zoning ! | 52 |
| | Public Works | 57 |
| | Buildings | 58 |
| | Roads | 62 |
| | Capital Equipment | 66 |
| | Parks | 68 |

Chapter 1: Introduction

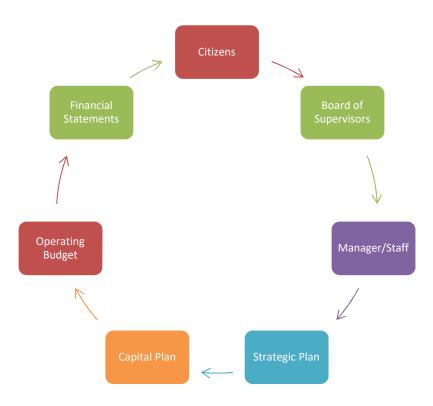
Who should read this document?

The Township's Capital Improvement Plan (CIP) is a financial guide for citizens, staff and the Board of Supervisors. The purpose of this document is to communicate the initiatives planned in the next five years. This is a financial plan, rather than official budget. It is used to provide financial information for management to make decisions related to sustainability, future projects and revenues. The plan accounts for the Township's anticipated revenue from various sources such as income taxes, property taxes and



intergovernmental revenue. It also reflects how these resources will be used. The reader will also find Township background information, the Vision Statement, the Mission Statement and Values Statement.

The financial cycle including the Capital Improvement Plan shown below depicts the various stages of the financial cycle for the township.



Strategic Planning



Strategic planning is an organizational management activity that is used to set priorities, focus energy and resources, strengthen operations, ensure that employees and other stakeholders are working toward common goals, establish agreement around intended outcomes/results, and assess and adjust the organization's direction in response to a changing environment. It is a disciplined effort that produces fundamental decisions and actions that shape and guide what an organization is, who it serves, what it does, and why it does it, with a focus on the future. Effective strategic planning articulates not only where an

organization is going and the actions needed to make progress, but also how it will know if it is successful. Without planning, the township would be spinning in circles with no clear idea of how to serve the public effectively.

The Township's Strategic Plan is updated every three to five years. Given the five-year forecast that the CIP offers, the term of the Strategic Plan fits well with the goals of the Township. Given the rapid changes affecting society as a whole and service delivery demands, attempting to plan beyond five years is difficult at best and subject to substantial changes and risks. The Strategic Plan is an integral part of the CIP and provides important guidance for funding of township goals. Components of the Strategic Plan are incorporated throughout this document.

The strategic plan provides long-term direction defined by the Elected Officials and the CIP interfaces directly with the financial needs originated by the Strategic Plan.

Ferguson Township updated its Strategic plan in 2016 to reflect the current priorities of the township stakeholders. This update is included throughout the document.

How does the Strategic Plan guide the preparation of the CIP?

Ultimately, the CIP is used to focus funding towards the goals of the Strategic Plan. Without this close relationship between the strategic plan and the CIP, it is highly likely that taxpayer resources may be used for short-term needs rather than in conjunction with a long-term strategy.

The Strategic Plan heirarchy elements tie to the CIP in several ways.

- **Goals** are statements of vision identified by staff and elected officials as desirable outcomes for the Township to reach.
- **Objectives** are measurable, definable achievements that must be attained prior to accomplishing or advancing a goal.
- Action Steps are specific, operable processes that are undertaken to achieve an objective. While goals are not necessarily attainable, objectives and action steps inherently are. The purpose of this Strategic Plan is to define these elements in an attempt to marry *vision* and *action* with the ultimate goal of improving the quality of life for those who live, work, study and visit Ferguson Township

Beginning in 2016, the current Strategic Plan has be revised. The following goals guide the preparation of the CIP:

1) Financial Stability

- a. Make realistic estimates of program costs. (Staff)
- b. Regularly compare the cost of providing services in-house with costs from private contractors, other municipalities, other government agencies, and costs of providing services regionally. (Staff)
- c. Adjust revenues (taxes, fees, etc.) to adequately fund Township programs and needs. (Staff proposes, the Board initiates)

2) Economic Development

- a. Establish an economic development advisory group (with economic development expertise).
- b. Consider the employment of an economic development director (full-time, part-time, or a contracted service). This individual or contractor would be responsible to assist and support existing businesses to help them prosper and expand in Ferguson Township. He/she would be the Township's liaison with the business development community. He/she would develop an inventory of vacant commercial and industrial sites and would make that information available to interested parties. He/she would identify and pursue programs and grants to support economic development in Ferguson and would have responsibility for managing the Community Development Block Grant Program. (Board to initiate, staff to implement)

3) Growth Management

- a. Identify and complete (develop) plans for specific small areas. (Board, Staff, Planning Commission)
- b. Develop a future land use plan (Comprehensive Plan). (Staff, Planning Commission, Board)
- c. Develop a Township housing plan to provide for low and moderately priced housing in the Township (workforce housing). (Staff, Regional input, possible ad hoc advisory group)

4) Environmental Stewardship

- a. Identify and use existing tools to preserve the environment Chesapeake Bay Tributary strategy, National Pollutant Discharge Elimination System, source water protection, conservation easements, climate action plans, referendums, agricultural conservation easements, etc. (Board, Staff)
- Make certain that land development regulations and development plans are consistent with environmental values (Staff, Planning Commission, Board)
- c. Identify and preserve natural resources and environmentally significant areas (Staff, Board, Planning Commission, possible ad hoc advisory group)
- d. Develop and adhere to green policy for buildings, vehicles, and operations (Staff, consultants)
- e. Update the Recreation, Parks, and Open Space Plan with a specific emphasis on green infrastructure and sustainable parkland development

5) Best Management Practices for Operations

- a. Ensure adequate staffing and resources necessary to carry out Township services and programs (Staff, Board)
- b. Ensure proper training and professional development (Staff, Board)
- c. Ensure that operational practices are fiscally responsible (Staff)

6) Increase Participatory Government

- a. Utilize both ad hoc and standing citizen advisory boards with subject matter experts from the Township and the region to address issues related to parkland development and other matters of community interest."
- b. Fully utilize two-way communication and online platforms used to communicate (Staff)

7) Promotion of Clean Renewable Energy

- a. Assess the Township for opportunities for renewable energy (Staff, possible advisory group)
- b. Practice and promote energy conservation (Staff, Board)
- Establish zoning incentives to encourage renewable energy and energy conservation (Staff, Board, Planning Commission, possible ad hoc advisory group)
- d. Establish an advisory group on renewable energy (Staff, Board)

8) Promotion of Municipal Identity

- a. Develop our Sense of Place by developing a vibrant Town Center, preserving our agricultural heritage, and promoting the features that make the Township unique. (Staff)
- b. Develop a Marketing Strategy (possible advisory group)
- c. Establish and promote community events with Township help/promotion (farmer's markets, flea markets, etc.)

9) Partnerships and Regional Thinking

- a. Identify non-profits, businesses, and community groups for input on a variety of issues
- b. Work towards regional cooperation on issues that affect the entire Centre Region
- c. Increase financial stability through partnerships
- d. Monitor partnerships to ensure they continue to be beneficial

What is Capital Planning and how does it differ from Strategic Planning?

Simply put, capital planning is a component of the budgeting process. Capital items are generally considered to be one-time long term investments (rather than ongoing expenses) in equipment or fixed assets that are costly. Such assets improve productivity, reduce operating costs, or improve service delivery. Typically, there is an expected return on the investment for the cost to make financial sense.

Whereas the Strategic Plan identifies the desired future outcomes of the Township goals and the objectives, the Capital Plan puts financial resources to those objectives in order to fulfill those goals. While some outcomes are purely non-financial, the vast majority of outcomes require investment in order to see them to completion. Capital Planning attempts to focus

financial resources to specific outcomes. This is the basis of the Capital Improvement Plan (CIP). This plan is updated annually in order to maintain its relevance and to prevent it from getting stale.

What is the Capital Improvement Plan (CIP)?

The CIP is a five-year plan forecasting the financial requirements in order to fulfill capital needs of the township. In order to provide an accurate forecast of the township in its entirety, operational costs are included as part of the summary sections. These are not detailed like the capital components.

The township CIP also includes projected staffing changes since personnel costs make up over 45% of the General Fund budget and have a long-term impact on the finances of the township.

Defining what is to be included in the CIP is critical to narrowing down the amount of items to be considered during the creation and reviews of the plan. The township has defined a capital asset as one with an initial cost exceeding \$2,500 each and will have a life span of longer than one year.

Why do we need a Capital Improvement Plan?

Governments are tasked with providing services to the public in a cost efficient manner. Because public funds are used, some measure of accountability of taxpayer funds is required. The CIP serves as a means to accomplish this goal by advance planning for the construction and development of the township's infrastructure asset base. The Administrative Code requires the preparation of the Capital Improvement Plan on an annual basis. In 1991, the Township Board of Supervisors adopted the first modern Capital Improvement Program Budget.

How does the Township Mission, Vision and Values guide the preparation of the CIP?





Steve Miller upervisor-at-Large



Vice Chairman Peter Buckland



Laura Dininni Ward II



Janet Whitaker Supervisor-at-Large



Rita Graef Ward III

The staff of Ferguson Township is guided in its decision-making by several documents, some of which have been outlined in detail here. The township's ordinances, resolutions, budgets, comprehensive plan, and the CIP are all examples of guiding documents that staff utilize on a daily basis to help allocate resources, capital and otherwise,

to provide effective services. However, with all of these supporting documents several questions remain.

How do we know our actions today are leading towards where residents want the township to be in the coming years? How can we be sure that our resource allocation is advancing the township's mission and vision? How are the decisions we make on a staff level related to the goals of our elected officials?

The Mission and Vision Statements help guide staff in determining the direction of the township operations. The Mission Statement defines the general purpose of the township. The Vision Statement defines the general philosophy of the township. The Values guide staff in appropriate behavior as township employees. Together, the Mission, Vision and Values determine what is important to the township and how staff should allocate time and resources.

Our Mission

It is Ferguson Township's mission to provide efficient, cost effective, professional services to our residents in a fair, cooperative, ethical and honest manner. The Township will endeavor to manage its resources allowing planned, sustainable growth while preserving the quality of life and its unique characteristics.

Our Vision

The Township will strive to appropriate staff and resources to maintain the infrastructure in acceptable condition, provide exemplary service, keep Township operations financially stable and keep pace with technology. As a result, the Township can continue to be a leader and model for the Centre Region and other Home Rule municipalities.

The Township is considered a 'Best Place to Live' due to the high quality of life created in part through a sense of place achieved through the development of a vital town center, a strong diversified community, an effective transportation system, a rural/small town atmosphere and the location and availability of open space. The Township will continue to preserve environmentally sensitive areas.

We Value...

Effective, efficient, professionalism in delivering services to our residents. Residents, elected and appointed officials expect the highest quality service delivery from Township staff. It is our duty to meet and exceed those expectations in our daily work.

Preserving the unique character of the Township. The Township proudly boasts a diverse community of all ages and professions including farmers, scholars, small and large business employers and employees, professionals, and students. Each give the area a character all its own. It is our responsibility to ensure that policies and service delivery are directed at maintaining that character for generations to come.

A well-maintained and safe environment. Every resident and guest deserves to live, work, study, and recreate in a high quality environment. Therefore, it is our responsibility to properly maintain and provide for the safety of our community's neighborhoods, streets, parks and common areas.

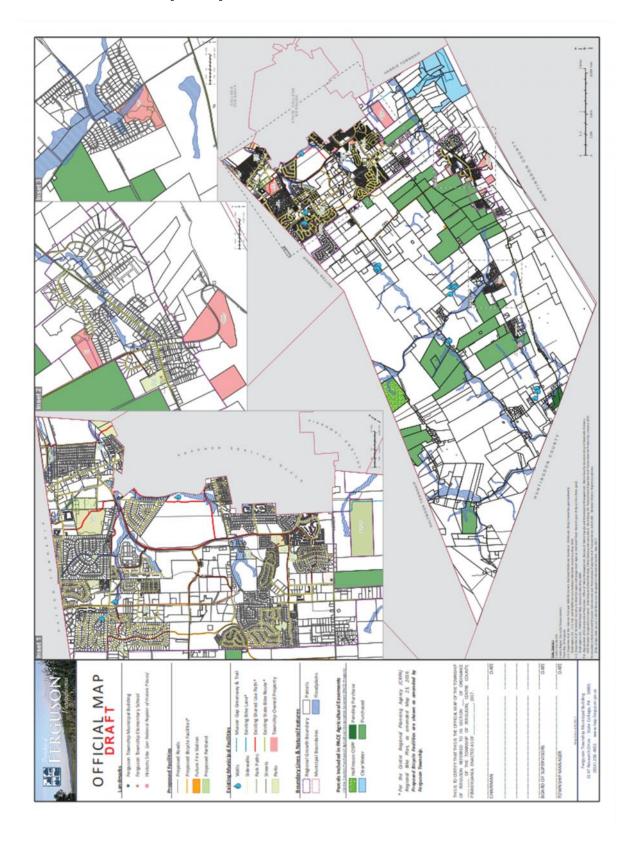
Managing our resources wisely. It is recognized that resources, including tax revenue, public utilities such as water and sewer, and services such as police and fire, are finite and must be allocated in the most efficient manner. It is our responsibility to continuously review and refine our practices to improve the management of public resources to provide the highest quality service delivery.

Collaborating with our neighboring municipalities to provide cost effective services. The Centre Region is home to one of the premier and oldest Council of Governments in the Commonwealth. For decades, the municipalities that comprise the Centre Region have recognized the benefits of regional cooperation to improve the effectiveness and efficiency of service delivery. It is our responsibility to maintain our commitment to the Centre Region Council of Governments and neighboring municipalities for programs where regional cooperation maximizes our return on investment.

Ethical and honest behavior. As elected officials and employees of the Township, every official, employee and service provider to the Township is directly accountable to conduct themselves in an ethical and honest manner. It is

our responsibility to ensure that all who perform work for the Township operate with the highest standards of ethical and honest behavior.

Official Township Map



Chapter 2: Summary

Plan Summary

This section provides an overview of fund balances, revenues and expenditures for all funds except pension funds. The overview breaks out capital expenditures from operations. Operational costs are included in this section in an effort to project the effects on fund balances over the term of the plan. This is important because without sufficient financial resources and fund balances, the plan would not be feasible.

For the five years ending in 2022, the Township proposes spending \$106.0 million (including \$23.6 million in interfunds transfers) \$82.4 million net for all governmental funds. Since interfund transfers are internal transfers between funds, they can be deducted from the total in summary reports. Government funds do not include pension trust funds nor the Tom Tudek Memorial Trust Fund (even though the township provides funding for park projects).

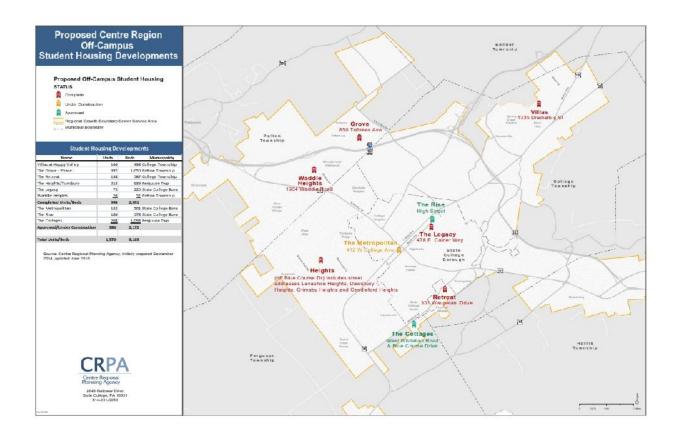
Please be aware that for budgeting purposes, amounts are estimated and rounded to the nearest \$100 where possible. It is not possible to obtain exact amounts over 12 months in advance. Vendor pricing is generally only valid for 60 or 90 days. Beyond that, amounts are only estimates of expected pricing.

Demographics



The township encompasses an area of approximately 50 square miles and is home to nearly 19,000 residents. Several high-tech industries have found a home in Ferguson Township over the years including AccuWeather, Minitab, Sound Technology, Videon, and Avail Technologies . The township is also home to major research facilities of The Pennsylvania State University, one of the nation's premier agricultural and engineering institutions. The demographics have a large impact on the tax revenues collected and the cost of operations. Without a growing community, township revenues would flatten while operating costs

would continue to increase leading to a strain on township resources. By smartly managing growth, the township will continue to operate soundly for many years to come.



Since tax revenues are driven by population and age, identifying the demographics and trends provides important data for revenue projections. The following tables depict the township population estimates and age groups.

| Population Estimates | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|--------|--------|--------|--------|--------|
| Based on Centre Regional Planning Agency Data | 18,790 | 18,978 | 19,168 | 19,360 | 19,554 |

The demographic breakdown, according to American Community Survey estimates for 2010-2015, the most recent available for ferguson township, the population breakdown by age is represented by the following table. According to the data, 67% of the township population is of working age an increase of 4% from a year ago

| DEMOGRAPHIC TABLE 2017-2018 | | | | | | | | | | | |
|-----------------------------|------|-------|-------|-------|-------|--|--|--|--|--|--|
| Less than | | | | | | | | | | | |
| Age/Sex % | 5 | 5-19 | 20-59 | 60-64 | 65+ | | | | | | |
| Male | 2.1% | 7.3% | 32.1% | 1.9% | 6.6% | | | | | | |
| Female | 2.4% | 8.9% | 28.8% | 2.4% | 7.6% | | | | | | |
| Total | 4.5% | 16.2% | 60.9% | 4.3% | 14.2% | | | | | | |

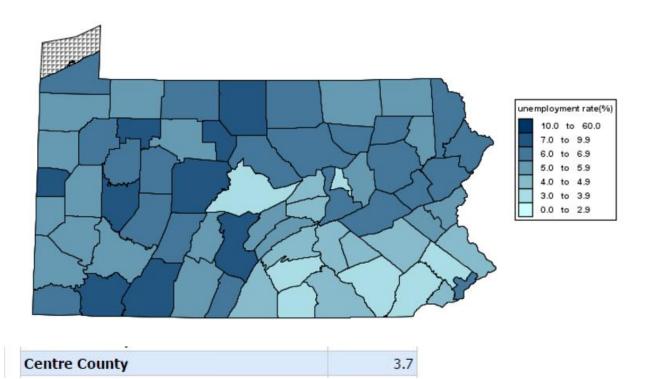
| | | Ferguson t | ownship, C | Centre County, Pe | ennsylvan | ia |
|-----------------------------------|----------|-----------------|------------|-------------------|-----------|-----------------|
| | | Total | Male | | Female | |
| Subject | Estimate | Margin of Error | Estimate | Margin of Error | Estimate | Margin of Error |
| Total population | 18,238 | +/-31 | 9,407 | +/-512 | 8,831 | +/-509 |
| AGE | | | | | | |
| Under 5 years | 4.5% | +/-1.0 | 4.2% | +/-1.4 | 4.8% | +/-1.5 |
| 5 to 9 years | 6.5% | +/-1.6 | 6.6% | +/-1.8 | 6.3% | +/-2.7 |
| 10 to 14 years | 5.0% | +/-1.0 | 4.0% | +/-1.1 | 6.0% | +/-1.5 |
| 15 to 19 years | 4.7% | +/-1.1 | 4.0% | +/-1.5 | 5.5% | +/-1.8 |
| 20 to 24 years | 14.3% | +/-2.8 | 15.7% | +/-3.9 | 12.8% | +/-4.6 |
| 25 to 29 years | 8.7% | +/-1.4 | 9.0% | +/-2.4 | 8.3% | +/-2.0 |
| 30 to 34 years | 6.1% | +/-1.1 | 7.2% | +/-1.7 | 4.9% | +/-1.5 |
| 35 to 39 years | 6.7% | +/-1.6 | 7.1% | +/-1.8 | 6.3% | +/-2.0 |
| 40 to 44 years | 7.2% | +/-1.5 | 6.3% | +/-2.2 | 8.1% | +/-1.9 |
| 45 to 49 years | 6.0% | +/-1.1 | 6.1% | +/-1.5 | 5.8% | +/-1.5 |
| 50 to 54 years | 7.0% | +/-1.5 | 7.8% | +/-2.0 | 6.2% | +/-1.7 |
| 55 to 59 years | 5.1% | +/-1.3 | 5.0% | +/-1.5 | 5.2% | +/-1.7 |
| 60 to 64 years | 4.3% | +/-1.1 | 3.7% | +/-1.3 | 4.8% | +/-1.4 |
| 65 to 69 years | 4.2% | +/-1.2 | 4.4% | +/-1.6 | 4.0% | +/-1.2 |
| 70 to 74 years | 3.5% | +/-0.8 | 2.7% | +/-1.1 | 4.4% | +/-1.3 |
| 75 to 79 years | 3.1% | +/-0.9 | 3.4% | +/-1.2 | 2.9% | +/-1.2 |
| 80 to 84 years | 2.0% | +/-0.8 | 1.8% | +/-0.9 | 2.2% | +/-1.1 |
| 85 years and over | 1.2% | +/-0.6 | 0.8% | +/-0.5 | 1.7% | +/-1.0 |
| SELECTED AGE CATEGORIES | | | | | | |
| 5 to 14 years | 11.4% | +/-1.9 | 10.6% | +/-2.1 | 12.3% | +/-3.3 |
| 15 to 17 years | 3.3% | +/-0.9 | 2.5% | +/-1.1 | 4.2% | +/-1.5 |
| 18 to 24 years | 15.7% | +/-2.8 | 17.2% | +/-4.0 | 14.0% | +/-4.8 |
| 15 to 44 years | 47.6% | +/-2.5 | 49.4% | +/-3.8 | 45.7% | +/-4.1 |
| 16 years and over | 83.1% | +/-1.8 | 84.6% | +/-2.0 | 81.6% | +/-3.5 |
| 18 years and over | 80.8% | +/-1.7 | 82.7% | +/-2.1 | 78.7% | +/-3.3 |
| 60 years and over | 18.4% | +/-1.6 | 16.9% | +/-2.1 | 20.0% | +/-2.4 |
| 62 years and over | 16.6% | +/-1.5 | 15.0% | +/-1.9 | 18.2% | +/-2.3 |
| 65 years and over | 14.1% | +/-1.2 | 13.1% | +/-1.8 | 15.1% | +/-1.9 |
| 75 years and over | 6.4% | +/-1.2 | 6.0% | +/-1.5 | 6.7% | +/-1.7 |
| SUMMARY INDICATORS | | | | | | |
| Median age (years) | 35.2 | +/-1.6 | 34.5 | +/-3.2 | 36.2 | +/-3.5 |
| Sex ratio (males per 100 females) | 106.5 | +/-12.0 | (X) | (X) | (X) | (X) |
| Age dependency ratio | 50.0 | +/-4.7 | (X) | (X) | (X) | (X) |
| Old-age dependency ratio | 21.1 | +/-2.3 | (X) | (X) | (X) | (X) |
| Child dependency ratio | 28.9 | +/-3.3 | (X) | (X) | (X) | (X) |
| PERCENT IMPUTED | | | | | | |
| Sex | 0.3% | (X) | (X) | (X) | (X) | (X) |
| Age | 2.1% | (X) | (X) | (X) | (X) | (X) |

From the 2011-2015 American Community Survey 5-Year Estimates

Employment Data

Following is a current map, from the Bureau of Labor Statistics, as of March 2017 related to PA county unemployment. As you can see that Centre County has extremely low unemployment rates. It has been historically accurate that employment in the county has exceeded most of the country unrelated to national economics

Unemployment rates by county, not seasonally adjusted, Pennsylvania March 2017



Fund Groups Defined

Governments use Fund Accounting, which is different from for-profit accounting in several ways. Most importantly, governments are accountable to the taxpayers and have public service goals rather than the profit motive. With this in mind, governments, including the township, create funds to separate assets for specific purposes. This improves accountability and removes risk that funds are not comingled with other general funds. To simplify the reporting, funds are classified into Fund Groups, which summarize the individual funds by type. These are described below:

The General Fund is the main operating fund of the township. The majority of revenues are deposited into this fund and the majority of expenditures are made out of this fund. This includes interfund transfers to other funds, making up a large portion of revenue in those particular funds.

The General Obligation Fund is the payer fund of the debt service for the township. This includes any direct bond or loan payments. Indirect payments, such as the COG park and pools debt are not included in the General Obligation Fund. These payments are made out of the General Fund and the Regional Capital Recreation Projects Fund.

The Capital Projects Funds are reserved for projects restricted for specific purposes. Some funds have external restrictions (restrictions by outside parties), such as the Pine Grove Mills Street Light Fund and the Piney Ridge Fund (closed in 2017), while others have Board of Supervisors restrictions, such as the Capital Reserve fund, the Regional Capital Recreation Projects Fund and the Transportation Improvement Fund.

The Special Revenue Funds are those funds that have a special assessment to obtain revenue rather than taxes. The township adds a separate real estate assessment for street lighting and fire hydrants, while the state administers a fuel tax to help local governments maintain their roads. This requires a separate Liquid Fuels Fund.

Fund and Department Relationships

The township follows the PA State Chart of Accounts format. This format is recommended by the state. The state explains the reasoning below:

The account numbers and descriptions of accounts used in the DCED form DCED-CLGS-30: Annual Audit and Financial Report, are based on this Chart of Accounts. These account numbers and descriptions also are used in the Department of Transportation Form (DOT) MS-903, Treasurer Account Book, Form MS-965, Actual Use Report of State Funds, and Form MS-991, County Liquid Fuels Tax Fund Report. Both DCED and the DOT encourage the use of accounting systems based on the Chart of Accounts presented in this publication

The PA state chart of accounts dictates our fund and department layout. With this in mind, the township assigns specific state funds and departments to specific individuals.

The township manager and department heads are responsible for all the township activities and funds. This section describes the relationships of the departments with the funds.

It is best to organize the departments by the responsible person rather than the reverse. As the organization chart depicts, the senior staff is shown here



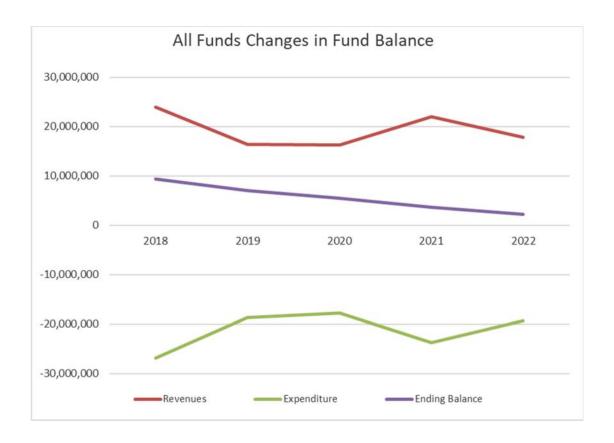
The responsible departments heads are Administration, Finance & Tax, Public Works & Engineering, Police, and Planning Zoning. These individuals are responsible for all the "departments" within the entire budget and funds.

The following table breaks down the responsibilities by the department heads

| Responsible Department | Funds | Departments |
|----------------------------|---------------------|--|
| Township Manager | All | Responsible for Final Document, Parks & Rec, Tudek Park |
| Asst Township Manager | GF, CR | Assists Manager in review, responsible for IT |
| Finance Director | All | Finance, Tax, COG, Salaries & Benefits, Insurance, Pension plans |
| Police Chief | GF, CR | Police |
| Public Works Director | GF, CR, TIF, PR, | Engineering, Public Works, Arborist |
| Planning & Zoning Director | GF, CR | Planning & Zoning |

Fund Balances

Over the years, the township has maintained sound fund balances for operations and present and future capital expenditures. Oftentimes the township uses cash reserves to purchase equipment and long-term investments rather than using debt. This conservative style has reduced financial risk considerably and has helped the township through economic downturns that has severly hurt other governmental organizations.



| All Funds | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Beginning Balance | 12,346,532 | 9,381,075 | 7,049,592 | 5,508,746 | 3,679,574 | 12,346,532 |
| Revenues | 23,913,172 | 16,342,873 | 16,285,913 | 21,913,722 | 17,801,434 | 96.257.113 |
| Expenditure | -26,878,630 | -18,674,356 | -17,826,759 | -23,742,894 | -19,301,499 | -106,424,137 |
| Ending Balance | 9,381,075 | 7,049,592 | 5,508,746 | 3,679,574 | 2,179,508 | 2,179,508 |
| | | | | | | |
| Fund Balance % of Expenditures | 35% | 38% | 29% | 21% | 11% | |

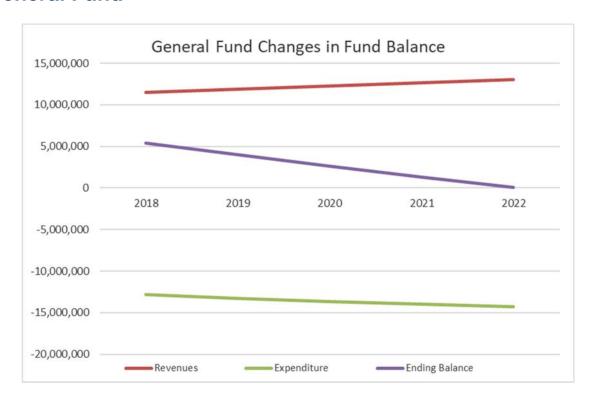
Sinking Funds

The township uses "sinking funds" to accumulate money for various specific needs. These sinking funds are bank accounts with funding, rather than just assignments of funds. As such, the money is segregated from other monies of the township much like having a designated fund. these sinking funds are subsets of the overall fund in which they are located.

According to the Financial Dictionary, a sinking fund is defined as a fund or account into which a person or company deposits money on a regular basis in order to repay some debt or other liability that will come due in the future. For example, if one has a loan with a balloon maturity of seven years, one may put money into a sinking fund for seven years in order to be ready to pay off the principal when it comes due. Some bonds have sinking fund provisions, requiring the issuer to put money aside to repay bondholders at maturity.

Such sinking funds include the Building Equipment Replacement Fund, the Public Works Equipment Replacement Fund, the Police Vehicle Equipment Fund, and the Wellness Fund.

General Fund



| General Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Beginning Balance | 6,749,516 | 5,423,486 | 4,031,320 | 2,638,906 | 1,284,367 | 6,749,516 |
| Revenues | 11,518,000 | 11,883,599 | 12,258,338 | 12,642,445 | 13,036,156 | 61,338,538 |
| Expenditure | -12,844,030 | -13,275,766 | -13,650,752 | -13,996,985 | -14,263,296 | -68,030,827 |
| Ending Balance | 5,423,486 | 4,031,320 | 2,638,906 | 1,284,367 | 57,227 | 57,227 |
| | | | | | | |
| Fund Balance % of Expenditures | 42% | 30% | 20% | 9% | 0% | |

Capital Projects Funds

| Ag Preservation Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
|---------------------------|------------|------------|------------|------------|------------|-------------|
| Beginning Balance | 45,157 | 60,157 | 45,157 | 60,157 | 75,157 | 45,157 |
| Revenues | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 75,000 |
| Expenditure | 0 | -30,000 | 0 | 0 | 0 | -30,000 |
| Ending Balance | 60,157 | 45,157 | 60,157 | 75,157 | 90,157 | 90,157 |
| | | | | | | |
| Capital Reserve Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Beginning Balance | 589,234 | 385,034 | 180,894 | 6,224 | -195,316 | 589,234 |
| Revenues | 4,987,600 | 1,509,600 | 1,209,600 | 3,709,600 | 1,444,600 | 12,861,000 |
| Expenditure | -5,191,800 | -1,713,740 | -1,384,270 | -3,911,140 | -1,107,250 | -13,308,200 |
| Ending Balance | 385,034 | 180,894 | 6,224 | -195,316 | 142,034 | 142,034 |
| | | | | | | |
| Reg Cap Rec Projects Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Beginning Balance | 1,457,480 | 1,350,480 | 1,242,480 | 1,132,480 | 1,019,480 | 1,457,480 |
| Revenues | 3.000 | 3.000 | 3.000 | 3.000 | 3.000 | 15.000 |
| Expenditure | -110,000 | -111,000 | -113,000 | -116,000 | -119,000 | -569,000 |
| Ending Balance | 1,350,480 | 1,242,480 | 1,132,480 | 1,019,480 | 903,480 | 903,480 |
| | | | | | | |
| Transportation Imp Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Beginning Balance | 3,019,227 | 1,645,127 | 1,033,827 | 1,186,827 | 1,050,527 | 3,019,227 |
| Revenues | 2,128,700 | 1,271,700 | 1,285,000 | 1,298,700 | 1,312,700 | 7,296,800 |
| Expenditure | -3,502,800 | -1,883,000 | -1,132,000 | -1,435,000 | -1,746,000 | -9,698,800 |
| Ending Balance | 1,645,127 | 1,033,827 | 1,186,827 | 1,050,527 | 617,227 | 617,227 |
| | 2012 | 2212 | | | | |
| PGM Streetlight Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Beginning Balance | 21,356 | 21,569 | 21,783 | 21,999 | 22,217 | 21,356 |
| Revenues | 213 | 214 | 216 | 218 | 219 | 1,080 |
| Expenditure | 0 | 0 | 0 | 0 | 0 | 0 |
| Ending Balance | 21,569 | 21,783 | 21,999 | 22,217 | 22,436 | 22,436 |
| Park Improvement Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Beginning Balance | 97,516 | 98,055 | 98,594 | 99,133 | 99,672 | 97,516 |
| Revenues | 539 | 539 | 539 | 539 | 539 | 2,695 |
| Expenditure | 0 | 0 | 0 | 0 | 0 | 0 |
| Ending Balance | 98,055 | 98,594 | 99,133 | 99,672 | 100,211 | 100,211 |

Special Revenue Funds

| Streetlight Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
|-------------------|----------|----------|----------|----------|----------|------------|
| Beginning Balance | -2,959 | -1,959 | -959 | -9 | 839 | -2,959 |
| Revenues | 21,000 | 22,000 | 23,000 | 24,000 | 25,000 | 115,000 |
| Expenditure | -20,000 | -21,000 | -22,050 | -23,153 | -24,310 | -110,513 |
| Ending Balance | -1,959 | -959 | -9 | 839 | 1,528 | 1,528 |
| Hydrant Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Beginning Balance | 212 | 1,212 | 2,462 | 3,875 | 4,358 | 212 |
| Revenues | 36,000 | 38,000 | 40,000 | 41,000 | 41,000 | 196,000 |
| Expenditure | -35,000 | -36,750 | -38,588 | -40,517 | -42,543 | -193,397 |
| Ending Balance | 1,212 | 2,462 | 3,875 | 4,358 | 2,815 | 2,815 |
| | | | | | | |
| Liquid Fuels Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Beginning Balance | 367,151 | 395,271 | 391,391 | 356,511 | 315,631 | 367,151 |
| Revenues | 635,120 | 641,120 | 647,120 | 653,120 | 659,120 | 3,235,600 |
| Expenditure | -607,000 | -645,000 | -682,000 | -694,000 | -735,000 | -3,363,000 |
| Ending Balance | 395,271 | 391,391 | 356,511 | 315,631 | 239,751 | 239,751 |

General Obligation Fund

| General Obligation Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
|-------------------------|------------|----------|----------|------------|------------|-------------|
| Beginning Balance | 2,642 | 2,642 | 2,642 | 2,642 | 2,642 | 2,642 |
| Revenues | 4.568.000 | 958,100 | 804,100 | 3.526.100 | 1,264,100 | 11,120,400 |
| Expenditures | -4,568,000 | -958,100 | -804,100 | -3,526,100 | -1,264,100 | -11,120,400 |
| Ending Balance | 2,642 | 2,642 | 2,642 | 2,642 | 2,642 | 2,642 |

Chapter 3: Revenue Details

Revenue Projections

Township revenues are made up of tax collections, payments in-lieu of taxes, grant receipts, loan proceeds, permitting and license fees, fines, departmental earnings, interest and other miscellaneous receipts. Overall, the revenue changes are a combination these items and are represented in the table below

The Liquid Fuels fund includes a 1% annual increase in revenue growth. The Hydrant and Street Light Funds revenues are adjusted in accordance with expenditures to maintain a positive fund balance, taking into consideration the expenditures out of those funds.

Beginning in 2018, the Piney Ridge Fund has been closed and removed from the report.

| | | | _ | | | |
|-----------------------------------|------------|------------|------------|------------|------------|------------|
| Fund Group | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| General Fund | 11,518,000 | 11,883,599 | 12,258,338 | 12,642,445 | 13,036,156 | 61,338,538 |
| Capital Projects Funds | 7,135,052 | 2,800,054 | 2,513,355 | 5,027,057 | 2,776,058 | 20,251,575 |
| Special Revenue Funds | 692,120 | 701,120 | 710,120 | 718,120 | 725,120 | 3,546,600 |
| General Obligation Fund | 4,568,000 | 958,100 | 804,100 | 3,526,100 | 1,264,100 | 11,120,400 |
| Total | 23,913,172 | 16,342,873 | 16,285,913 | 21,913,722 | 17,801,434 | 96,257,113 |
| | | | | | | |
| Group change % | 42.2% | -31.7% | -0.3% | 34.6% | -18.8% | |
| General Fund change % | 0.7% | 3.2% | 3.2% | 3.1% | 3.1% | |
| | | | | | | |
| | | | | | | |
| Capital Projects Funds | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Ag Preservation | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 75,000 |
| Capital Reserve | 4,987,600 | 1,509,600 | 1,209,600 | 3,709,600 | 1,444,600 | 12,861,000 |
| Regional Capital Rec Projects | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 15,000 |
| Transportation Improvement | 2,128,700 | 1,271,700 | 1,285,000 | 1,298,700 | 1,312,700 | 7,296,800 |
| Pine Grove Mills Street Lights | 213 | 214 | 216 | 218 | 219 | 1,080 |
| Park Improvement | 539 | 539 | 539 | 539 | 539 | 2,695 |
| Total | 7,135,052 | 2,800,054 | 2,513,355 | 5,027,057 | 2,776,058 | 20,251,575 |
| | | | | | | |
| | | | | | | |
| Special Revenue Funds | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Street Light | 21,000 | 22,000 | 23,000 | 24,000 | 25,000 | 115,000 |
| Hydrant | 36,000 | 38,000 | 40,000 | 41,000 | 41,000 | 196,000 |
| Liquid Fuels | 635,120 | 641,120 | 647,120 | 653,120 | 659,120 | 3,235,600 |
| Total | 692,120 | 701,120 | 710,120 | 718,120 | 725,120 | 3,546,600 |
| | | | | | | |
| | | | | | | |
| Grant/Loan Summary by Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Capital Reserve Fund | 237,600 | 109,600 | 9,600 | 9,600 | 9,600 | 376,000 |
| General Fund | 77,649 | 77,649 | 77,649 | 77,649 | 77,649 | 388,245 |
| GOA Fund | 3,920,000 | 200,000 | 0 | 2,500,000 | 235,000 | 6,855,000 |
| Liquid Fuels Fund | 635,120 | 641,120 | 647,120 | 653,120 | 659,120 | 3,235,600 |
| Park Improvement Fund | 0 | 0 | 0 | 0 | 0 | 0 |
| Regional Capital Rec Projects | 0 | 0 | 0 | 0 | 0 | 0 |
| Transportation Improvement Fund | 500,000 | 0 | 0 | 0 | 0 | 500,000 |
| Total | 5,370,369 | 1,028,369 | 734,369 | 3,240,369 | 981,369 | 11,354,845 |

Tax Revenue Projections

The tax revenues make up some 65% of the total township revenue on average, depending if there are any loan proceeds.

The General Fund revenue projections include annual increases based on type of revenue source. Each source has a different projected increase. Earned income taxes are projected to increase at 3.0%, Real Estate taxes and Local Servics taxes at 2.0% and Transfer taxes with 1% projected increases.

| Tax Revenue | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
|-----------------------------|-----------|------------|------------|------------|------------|------------|
| Real Estate Taxes | 1,450,000 | 1,479,000 | 1,508,580 | 1,538,752 | 1,569,527 | 7,545,858 |
| Earned Income Taxes | 6,890,000 | 7,096,700 | 7,309,601 | 7,528,889 | 7,754,756 | 36,579,946 |
| Transfer Taxes | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 6,000,000 |
| Local Services Taxes | 320,000 | 326,400 | 332,928 | 339,587 | 346,378 | 1,665,293 |
| Total | 9,860,000 | 10,102,100 | 10,351,109 | 10,607,227 | 10,870,661 | 51,791,097 |
| | | | | | | |
| Average EIT per Resident | 366.68 | 373.94 | 381.34 | 388.89 | 396.58 | |
| | | | | | | |
| Percentage of Total Revenue | 41.2% | 61.8% | 63.6% | 48.4% | 61.1% | |

Interfund Transfers

Funding for many of the capital funds is derived from transfers from the General Fund and debt proceeds from the General Obligation Fund. These transfers, whether mandated or not, have a direct impact on the General Fund balance and the associated capital funds. The following table details the projected transfers during the term of the CIP.

| General Fund Transfers Out | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| TIF | 1,258,700 | 1,271,700 | 1,285,000 | 1,298,700 | 1,312,700 | 6,426,800 |
| Capital Reserve | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 6,000,000 |
| Ag Preservation | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 75,000 |
| Liquid Fuels | 0 | 0 | 0 | 0 | 0 | 0 |
| General Obligation Fund | 648,000 | 758,100 | 804,100 | 1,026,100 | 1,029,100 | 4,265,400 |
| Total | 3,121,700 | 3,244,800 | 3,304,100 | 3,539,800 | 3,556,800 | 16,767,200 |
| | | | | | | |
| GOA Transfers Out | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Capital Reserve | 3,550,000 | 200,000 | 0 | 2,500,000 | 235,000 | 6,485,000 |
| Transporation Improvement Fund | 370,000 | | | | | 370,000 |

Tax Considerations

The Township maintains a fiscally responsible approach to budgeting. Increases in tax rates have not occurred on any frequent basis. Rather, the township relys on annual revenue increases from a growing tax base. At this time, there is no projected tax increase included in the CIP. The local economic conditions are very positive and have led to increased Earned Income Tax revenues and increased Transfer Tax revenues. In addition, the township has aggresively pursued grant funding. Grant revenue has been very beneficial to the township finances. Combined with fiscal restraint, the township maintains strong financial footing.

Grant Revenue Projections

Grant revenue assists the township in many ways. It is one way to provide additional revenue for projects without raising taxes or cutting expenditures elsewhere. Many federal grants are administered by the state and doled out to local governments in accordance with federal mandates. One such grant is the DUI grant that police receive to offset the costs of checkpoints and DUI enforcement.

The state provides special funding from its tax collections, such as the liquid fuels grants or DCNR recycling grants. Additionally, the state provides funding for parks and open space and to preserve farmland from development.

The township works hard to take advantage of grant money available as a way to provide additional benefits to the residents without raising local taxes to pay for them. However, many of these grants are competitive and cannot be relied upon as guaranteed revenue sources each year.

Other contributions include loan proceeds, developer payments for the Regional Capital Recreation Projects and several Right of Way agreements.

West College Avenue Streetscape Grant Application Initiative

In 2017, \$2 million is included in the budget as the Township's share of the cost to install streetscape improvements along West College Avenue from Corl Street to Buckout Street at the Township/Borough line. Staff submitted a grant application totaling approximately \$1,387,000 including design, construction, utility impacts, easement acquisition, construction, and inspection of 8 foot wide concrete sidewalks on both sides of West College Avenue, street light conduit, repairs and replacement of affected concrete curb, and related construction.

The 2018–2022 Capital Improvement Plan anticipates one grant for Planning & Zoning initiatives. Pennsylvania Act 89 (transportation bill) providing financial support to transportation projects that focused on job creation, multimodal transportation, environmental sustainability, and more established the Penn DOT Multimodal Transportation Fund in 2014. If successful, funding from this program will be used to complete streetscape improvements along the West College Avenue corridor in the Terraced Streetscape District.

This will supplement the 2014 PennDOT Transportation Alternatives Program grant that was awarded and used to install sidewalks and supporting infrastructure in the district. An application for the grant was submitted in the fall of 2015 and award announcements are expected in the summer of 2016.

Other Grant Funding Efforts

As allowed by the funding agency, either annually, bi-annually, or as announced, staff seeks out and applies for grant funding from various agencies.

County Liquid Fuels Grant: Every other year public works staff apply for a County Liquid Fuels Grant, typically around \$30,000 to assist with a capital paving project. In 2015, the Township received \$30,000 in county liquid fuels funds to assist with the cost of paving Circleville Road.

Automated Red Light Enforcement Grant: For the current CIP, subject to installation of new hardware and software through an ARLE grant, traffic signal performance will be optimized on a more frequent basis than in the past, annually or more frequently.

TreeVitalize Grant: In 2014, public works staff applied for and was awarded a grant for \$20,000 to replace street trees infected with the emerald ash borer. Staff will continue to apply for such grants as new grant rounds are announced.

Green Light Go Grant: In 2016, the public works staff received approval for a \$176,085 (50%) grant to assist in funding the cost to complete traffic signal improvements and ADA compliant accessibility for the intersection of West College Avenue and Corl Street. Payment is expected in 2017.

Recycling Grant Act 101 Section 902 Recycling Program Grant: This program administered by PADEP provides funding to municipalities for recycling equipment. In 2013, public works staff requested funding in the amount of \$206,000 (90% of the total cost) for 4 leaf boxes and 1 brush collection truck with grappler. PADEP announced the award of this grant in 2014. The grappler truck was purchased and put into service in 2015. Since we received a grant in this last round, staff cannot apply for funding in the next grant round, but will apply for funding when allowed.

| Net Pro | ject Co | st Table | | | | |
|---|------------------|-----------|---------|-----------|----------|--|
| Description | Fund | Cost | Grants | Loans | Net cash | |
| Administration building renovation | CR | 500,000 | | 500,000 | 0 | |
| Public works Maintenance Facility | CR | 2,250,000 | | 2,250,000 | 0 | |
| Fuel Pumps with Canopy | CR | 300,000 | | 300,000 | 0 | |
| Louis Silvi Field Upgrades | CR | 104,000 | 52,000 | | 52,000 | |
| Fire Station | CR | 2,580,000 | | 2,500,000 | 80,000 | |
| Traffic Signal Performance Metrics (ARLE) | TIF | 640,000 | 500,000 | | 140,000 | |
| Corl Street/West College Signal (GLG) | CR | 359,000 | 176,000 | | 183,000 | |
| Cecil Irvin Park | CR | 200,000 | 100,000 | | 100,000 | |
| Suburban Park Improvements | CR | 200,000 | | 200,000 | 0 | |
| Tudek Park Improvements | CR | 310,000 | | 310,000 | 0 | |
| Haymarket Park Improvements | CR | 235,000 | | 235,000 | 0 | |
| | | | | | | |
| Total | | 7,678,000 | 828,000 | 6,295,000 | 555,000 | |
| Percentage of Costs | | | 10.8% | 82.0% | 7.2% | |
| | | | | | | |
| | SUBTOTAL by FUND | | | | | |
| | CR | 7,038,000 | 328,000 | 6,295,000 | 415,000 | |
| | TIF | 640,000 | 500,000 | 0 | 140,000 | |
| | | | | | | |
| | Total | 7,678,000 | 828,000 | 6,295,000 | 555,000 | |

| | | GRANT/ | LOAN TA | BLE | | | | |
|---|------|--------|-----------|-----------|---------|------------|---------|---------------|
| | | | | | | | / | |
| | | | | | | | | |
| Grant/Loan/Contributions Detail | Fund | Туре | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| CR Codes Rent of Fire Trailer | CR | С | 9,600 | 9,600 | 9,600 | 9,600 | 9,600 | 48,000 |
| Green Light Go Green grant | CR | С | 176,000 | | , | , | , | 176,000 |
| DEP 902 Recycling Grant | CR | G | , | | | | | 0 |
| DCNR Cecil Irvin Park | CR | G | | 100,000 | | | | 100,000 |
| DCNR Loius Silvi field upgrades | CR | G | 52,000 | , | | | | 52,000 |
| Loan Proceeds for new fueling station | GOA | L | 300,000 | | | | | 300,000 |
| Loan Proceeds for Admin bldg renovation | GOA | L | 500,000 | | | | | 500,000 |
| Loan Proceeds for new PW building | GOA | L | 2,250,000 | | | | | 2,250,000 |
| Loan Proceeds for new fire station | GOA | L | , , | | | 2,500,000 | | 2,500,000 |
| Loan Proceeds for Tudek Park | GOA | L | 300,000 | | | , , | | 300,000 |
| Blue Course Drive Property | GOA | L | | | | | | 0 |
| Cecil Ivrin Park Improvements | GOA | L | | 200,000 | | | | 200,000 |
| Suburban Park Improvements | GOA | L | 200,000 | , | | | | 200,000 |
| Haymarket Park Improvements | GOA | L | | | | | 235,000 | 235,000 |
| Northern ITS Cable Right of Way | GF | C | 22,144 | 22,144 | 22,144 | 22,144 | 22,144 | 110,720 |
| Suneysis Right of Way | GF | C | 4,570 | 4.570 | 4,570 | 4,570 | 4,570 | 22,850 |
| Crown Castle Right of Way | GF | C | 1,070 | 1,070 | 1,010 | 1,070 | 1,070 | 0 |
| DUI Enforcement | GF | G | 43,435 | 43.435 | 43,435 | 43.435 | 43,435 | 217,175 |
| Drive Safe Program | GF | G | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 15,000 |
| Buckle Up Program | GF | G | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 22,500 |
| County Liquid Fuels | GF | G | 4,000 | 4,000 | 4,000 | 7,000 | 4,000 | 22,000 |
| Liquid Fuels | LF | G | 590,000 | 596,000 | 602,000 | 608,000 | 614,000 | 3,010,000 |
| Liquid Fuels Turnback | LF | G | 45,120 | 45,120 | 45,120 | 45,120 | 45,120 | 225,600 |
| College Court fee in-lieu | PI | С | 40,120 | 40,120 | 70,120 | 40,120 | 70,120 | 223,000 |
| Toll Brothers fee in-lieu | RCRP | C | | | | | | 0 |
| ARLE Grant | TIF | G | 500,000 | | | | | 500.000 |
| Terraced Streetscape Funding | GOA | ı | 370,000 | | | | | 370,000 |
| remaded directscape i diraing | 00A | | 370,000 | | | | | 370,000 |
| Total | | | 5 370 369 | 1,028,369 | 734,369 | 3,240,369 | 981,369 | 11,354,845 |
| i otai | | | 0,010,000 | 1,020,000 | 701,000 | 0,2 10,000 | 001,000 | 1 1,00 1,0 10 |
| Grant/Loan Summary by Fund | Fund | | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Capital Reserve Fund | CR | | 237.600 | 109,600 | 9,600 | 9,600 | 9,600 | 376,000 |
| General Fund | GF | | 77,649 | 77,649 | 77.649 | 77,649 | 77,649 | 388,245 |
| GOA Fund | GOA | | 3,920,000 | 200,000 | 0 | 2,500,000 | 235.000 | 6,855,000 |
| Liquid Fuels Fund | LF | | 635,120 | 641,120 | 647.120 | 653,120 | 659,120 | 3,235,600 |
| Park Improvement Fund | PI | | 0 | 0 | 0 | 0 | 0 | 0 |
| Regional Capital Rec Projects | RCRP | | 0 | 0 | 0 | 0 | 0 | 0 |
| Transportation Improvement Fund | TIF | | 500,000 | 0 | 0 | | 0 | 500,000 |
| Total | - " | | | 1,028,369 | 734,369 | | 981,369 | 11,354,845 |
| | | | | -, -, | | | | |
| Grant/Loan Summary by Type | Туре | | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Grants | G | | 1,238,055 | 792,055 | 698,055 | 704,055 | 710,055 | 4,142,275 |
| Contributions | С | | 212,314 | 36,314 | 36,314 | 36,314 | 36,314 | 357,570 |
| Loans | L | | 3,920,000 | 200,000 | 0 | 2,500,000 | 235,000 | 6,855,000 |
| Total | | | 5,370,369 | 1,028,369 | 734,369 | 3,240,369 | 981,369 | 11,354,845 |

Chapter 4: Expenditure Details

Department Capital Requests

Each department request represents individual department forecasted needs for equipment or projects. The scope or the timing of the requests may change as information that is more current is obtained, the technology changes, or the direction of the plan changes. These requests are best estimates of the future costs given available information at the time of the printing.

Expenditure Projections Summary

| Fund Group | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
|--------------------------------|------------|------------|------------|------------|------------|-------------|
| General Fund | 12,844,030 | 13,275,766 | 13,650,752 | 13,996,985 | 14,263,296 | 68,030,827 |
| Capital Projects Funds | 8,804,600 | 3,737,740 | 2,629,270 | 5,462,140 | 2,972,250 | 23,606,000 |
| Special Revenue Funds | 662,000 | 702,750 | 742,638 | 757,669 | 801,853 | 3,666,910 |
| Debt Service | 4,568,000 | 958,100 | 804,100 | 3,526,100 | 1,264,100 | 11,120,400 |
| Total | 26,878,630 | 18,674,356 | 17,826,759 | 23,742,894 | 19,301,499 | 106,424,137 |
| | | | | | | |
| Capital Projects | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Ag Preservation | | 30,000 | | | | 30,000 |
| Capital Reserve | 5,191,800 | 1,713,740 | 1,384,270 | 3,911,140 | 1,107,250 | 13,308,200 |
| Regional Capital Rec Projects | 110,000 | 111,000 | 113,000 | 116,000 | 119,000 | 569,000 |
| Transportation Improvement | 3,502,800 | 1,883,000 | 1,132,000 | 1,435,000 | 1,746,000 | 9,698,800 |
| Pine Grove Mills Street Lights | 0 | 0 | 0 | 0 | 0 | 0 |
| Park Improvement | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 8,804,600 | 3,737,740 | 2,629,270 | 5,462,140 | 2,972,250 | 23,606,000 |

General Fund Expenditures

The following table represents the expenditure details for the general fund. This would be the major operating costs in the CIP. The interfund transfers out are also displayed for your reference.

| General Fund Detail | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
|----------------------------|------------|------------|------------|------------|------------|------------|
| Salaries & Benefits | 5,800,000 | | 6,153,220 | | 6,337,817 | 30,418,257 |
| New Staffing & Benefits | 222,330 | 295,966 | | 480.135 | 480,135 | 1,848,166 |
| • | | | · | | | · · · |
| COG Programs | 1,700,000 | 1,751,000 | 1,803,530 | 1,803,530 | 1,857,636 | 8,915,696 |
| Vendors | 2,000,000 | 2,010,000 | 2,020,300 | 2,020,300 | 2,030,909 | 10,081,509 |
| Non Capital Items | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfers Out | 3,121,700 | 3,244,800 | 3,304,100 | 3,539,800 | 3,556,800 | 16,767,200 |
| Total | 12,844,030 | 13,275,766 | 13,650,752 | 13,996,985 | 14,263,296 | 68,030,827 |
| | | | | | | |
| General Fund | | | | | | |
| | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Transfers Out | | | | | | |
| TIF | 1,258,700 | 1,271,700 | 1,285,000 | 1,298,700 | 1,312,700 | 6,426,800 |
| Capital Reserve | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 6,000,000 |
| Ag Preservation | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 75,000 |
| Liquid Fuels | 0 | 0 | 0 | 0 | 0 | 0 |
| General Obligation Fund | 648,000 | 758,100 | 804,100 | 1,026,100 | 1,029,100 | 4,265,400 |
| Total | 3,121,700 | 3,244,800 | 3,304,100 | 3,539,800 | 3,556,800 | 16,767,200 |
| | | | | | | |
| GOA Transfers Out | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Capital Reserve | 3,550,000 | 200,000 | 0 | 2,500,000 | 235,000 | 6,485,000 |
| TIF | 370,000 | 0 | 0 | 0 | 0 | 370,000 |
| Total | 3,920,000 | 200,000 | 0 | 2,500,000 | 235,000 | 6,855,000 |

Non-Capital Items

Some items requested do not meet the criteria for capital expenditures. For example, if the unit cost of an item is less than \$2,500, it will not meet the capital cost threshold. Another criteria is that it is not an annual recurring item. Such items would be pavement markings which typically last about a year, or equipment rental, which is by definition not a capital expense. The table below identifies those items that are included in the CIP, yet not considered a capital expense.

| | FERGUSON TOWNSHIP | | | | | | | | |
|---------------------------------------|-------------------|-----------|----------|-----------|---------|---------|-----------|--|--|
| 2018 – 202 | 22 CIP CAP | ITAL EQU | IPMENT I | DETAIL-C | ASH BAS | IS | | | |
| | N | ION-CAPIT | AL ITEM | S | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Description | FUND | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL | | |
| Replace Certain Blinds Buildings | GF | | | | | | 0 | | |
| Road Materials | LF | 96,000 | 103,000 | 110,000 | 118,000 | 126,000 | 553,000 | | |
| Equipment rental | LF | | 4,000 | 4,000 | 5,000 | 5,000 | 18,000 | | |
| Pavement Markings | LF | 70,000 | 74,000 | 80,000 | 85,000 | 91,000 | 400,000 | | |
| Road Salt | LF | 120,000 | 120,000 | 120,000 | 120,000 | 120,000 | 600,000 | | |
| Sealcoat bike paths and parking lots | CR | 32,000 | 34,000 | 37,000 | 39,000 | 42,000 | 184,000 | | |
| Less lethal rifle | CR | 772 | | | | | 772 | | |
| Rifles for tactical teams (2) | CR | 1,930 | | | | | 1,930 | | |
| Dress Uniforms (22) | CR | 7,075 | | | | | 7,075 | | |
| Patrol rifle optical sights (12) | CR | 5,240 | | | | | 5,240 | | |
| Automatic External defribulators (10) | CR | 22,180 | | | | | 22,180 | | |
| Hand guns (24)(net of trade) | CR | | 16,550 | | | | 16,550 | | |
| Gun safe | CR | | | 2,000 | | | 2,000 | | |
| Plant trees (20 per year) | CR | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 50,000 | | |
| ` ' ' | | | , | , | , | , | 0 | | |
| | | | | | | | 0 | | |
| | | | | | | | - | | |
| TOTALS | | 365,197 | 361,550 | 363,000 | 377,000 | 394,000 | 1,860,747 | | |
| | | | | | | | | | |
| | | | EXPEND | ITURES BY | FUND | | | | |
| | GF | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | LF | 286,000 | 301,000 | 314,000 | 328,000 | 342,000 | 1,571,000 | | |
| | TIF | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | CR | 79,197 | 60,550 | 49,000 | 49,000 | 52,000 | 289,747 | | |
| | Total | 365,197 | 361,550 | 363,000 | 377,000 | 394,000 | 1,860,747 | | |

Staffing

Changes in the number of personnel are included in the budget due to the significance of the cost of additional staffing. Not only does salary have to be considered, but also payroll taxes, health related costs, other insurances and pensions. Only additional positions are specifically mentioned. Current staffing is included in the operational projections. This includes part time staffing as well, since such staffing represents labor requirements to fulfill township service delivery. Overtime is also included in the FTE (full time equivalent) calculations. It is important to be aware that overtime is an indication of additional staffing needs, usually not sufficient to merit an additional position.

| | CIP New Personnel Summary | | | | | | | | | | |
|----------------|---------------------------|---------------|--------------|------------------------------------|---------|-----------|--|--|--|--|--|
| | | | | | | | | | | | |
| New Personnel | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL | | | | | |
| Administration | 68,808 | 68,808 | 68,808 | 68,808 | 68,808 | 344,038 | | | | | |
| Finance | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Engineering | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Police | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Planning | 0 | 0 | 0 | 110,533 | 110,533 | 221,066 | | | | | |
| Public Works | 153,522 | 227,158 | 300,794 | 300,794 | 300,794 | 1,283,062 | | | | | |
| Total | 222,330 | 295,966 | 369,602 | 480,135 | 480,135 | 1,848,166 | | | | | |
| | | | | | | | | | | | |
| | CCC to fulltime | 1 road worker | 1 dendrition | 1 economic development coordinator | | | | | | | |
| | 2 road workers | | | | | | | | | | |
| | mechanic | | | | | | | | | | |
| | promo | | | | | | | | | | |

Fulltime Equivalents

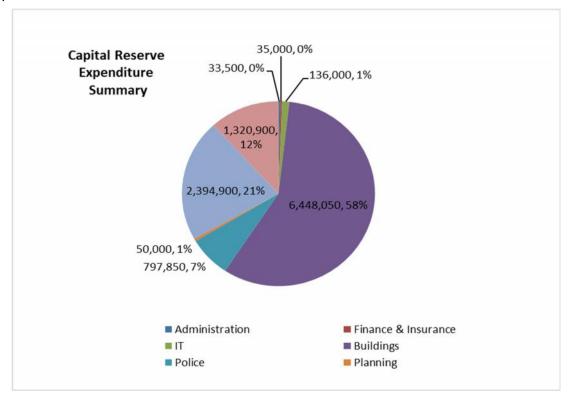
The number of township "Full-time Equivalents", a measure of employment based on the number of hours paid for all staff helps determine the rate of change in the staffing levels of the township. One FTE is equivalent to 2080 hours worked. The proposed table is included for your reference. The resident per FTE provides information as to the relative size of the township staff for the amount of residents served. It can be used as a benchmark against other municipalities to compare staffing levels and related costs.

| FERGUSON TOWNSHIP | P FULL TI | ME EQUIV | /ALENT | S | |
|---------------------------|-----------|----------|--------|--------|--------|
| Residents/FTE | 2018 | 2019 | 2020 | 2021 | 2022 |
| Population | 18,604 | 18,790 | 18,978 | 19,360 | 19,554 |
| | | | | | |
| Elected Officials | 7,442 | 7,516 | 7,591 | 7,744 | 7,822 |
| Administration | 4,134 | 4,176 | 3,451 | 3,520 | 3,555 |
| Finance | 5,315 | 5,369 | 5,422 | 5,531 | 5,587 |
| Buildings & Grounds | 12,403 | 12,527 | 12,652 | 12,907 | 13,036 |
| Engineering | 3,383 | 3,416 | 3,451 | 3,520 | 3,555 |
| Police | 738 | 746 | 753 | 768 | 776 |
| Planning & Zoning | 3,383 | 3,416 | 3,451 | 3,520 | |
| Public Works | 954 | 835 | 808 | 824 | 832 |
| | | | | | |
| | | ΓES | | | 1 |
| Elected Officials | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Administration | 4.5 | 4.5 | 5.5 | 5.5 | 5.5 |
| Finance | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| Buildings & Grounds | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Engineering | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| Police | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| Police OT (from YE) | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| Planning & Zoning | 5.5 | 5.5 | 5.5 | 5.5 | 6.5 |
| Public Works | 19.0 | 22.0 | 23.0 | 23.0 | 23.0 |
| Public Works OT (from YE) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Total | 67.7 | 70.7 | 72.7 | 72.7 | 73.7 |
| | | | | | |
| New Staff | | | | | |
| Admin | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Planning | | | | 1.0 | 1.0 |
| Public Works | 2.0 | 3.0 | 4.0 | 4.0 | 4.0 |
| Arborist | | | | | |
| Total | 2.5 | 3.5 | 4.5 | 5.5 | 5.5 |

As mentioned previously, **the Capital Projects Funds** are reserved for projects restricted for specific purposes. Some funds have external restrictions, such as the Pine Grove Mills Street Light Fund and the Piney Ridge Fund, while others have Board of Supervisors restrictions, such as the Capital Reserve fund, the Regional Capital Recreation Projects Fund and the Transportation Improvement Fund

| Capital Reserve Fund | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| Administration | 0 | 0 | 0 | 0 | 33,500 | 33,500 |
| Finance & Insurance | 22,500 | 12,500 | 0 | 0 | 0 | 35,000 |
| Π | 14,000 | 27,000 | 65,000 | 0 | 30,000 | 136,000 |
| Buildings | 3,575,250 | 246,630 | 85,100 | 2,526,310 | 14,760 | 6,448,050 |
| Police | 270,800 | 131,100 | 140,700 | 95,850 | 159,400 | 797,850 |
| Planning | 0 | 0 | 50,000 | 0 | 0 | 50,000 |
| Public Works Equipment | 507,350 | 636,510 | 205,470 | 456,980 | 588,590 | 2,394,900 |
| <u>Parks</u> | 489,900 | 260,000 | 271,000 | 300,000 | 0 | 1,320,900 |
| Total | 4,879,800 | 1,313,740 | 817,270 | 3,379,140 | 826,250 | 11,216,200 |
| | | | | | | |
| Roads & Other | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| Liquid Fuels | 321,000 | 344,000 | 368,000 | 393,000 | 421,000 | 1,847,000 |
| Capital Reserve | 312,000 | 400,000 | 567,000 | 532,000 | 281,000 | 2,092,000 |
| Transportation Improvement | 3,502,800 | 1,883,000 | 1,132,000 | 1,435,000 | 1,746,000 | 9,698,800 |
| Total | 4,135,800 | 2,627,000 | 2,067,000 | 2,360,000 | 2,448,000 | 13,637,800 |

The Capital Reserve Fund comprises the equipment capital requests along with occasional projects. This is one of the Capital Projects Funds. Each department puts in requests for equipment in this fund.



The Special Revenue Funds are those funds that have a special assessment to obtain revenue rather than taxes. The township adds a separate assessment for street lighting and fire hydrants, while the state administers a fuel tax to help local governments maintain their roads.

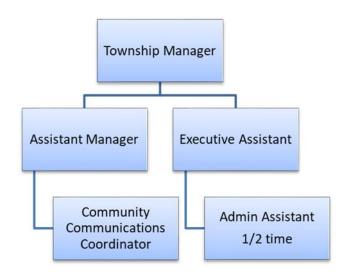
| Special Revenue | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
|------------------------|---------|---------|---------|---------|---------|-----------|
| Street Light | 20,000 | 21,000 | 22,050 | 23,153 | 24,310 | 110,513 |
| Hydrant | 35,000 | 36,750 | 38,588 | 40,517 | 42,543 | 193,397 |
| Liquid Fuels | 607,000 | 645,000 | 682,000 | 694,000 | 735,000 | 3,363,000 |
| Total | 662,000 | 702,750 | 742,638 | 757,669 | 801,853 | 3,666,910 |

Departmental Expenditures

ADMINISTRATION DEPARTMENT

The Administration Department proposes to spend \$33.5 Thousand or .3% of the *Capital Reserve Fund Requests* during the term of this capital plan.

Organizational Chart



Administration Staffing

The Administration Department has recognized the need to complete some historical scanning of documents to reduce the hard copy storage and improve retrieving time of certain documents. Existing staff does not have sufficient time available to provide a dedicated effort to accomplish this task. The suggested approach is to use an intern or business school graduating student. With the document imaging software changes in 2016 this part-time position was not filled and is being rebudgeted.

The Community Communications Coordinator position began as a part-time position in 2012 and has functioned well. The township's community engagement has expanded during the past 5 years and maintaining the various informational outlets has grown. Moving this position to full-time will allow the township to both maintain its current information outlets but also expand to other outlets and media.

| | FER | GUSON | TOWNSH | HР | | | | |
|--------------------------|-----|-------|--------|----|--|--|--|--|
| 2018 – 2022 CIP STAFFING | | | | | | | | |
| ADMINISTRATION STAFFING | | | | | | | | |
| | | | | | | | | |

| PT to FT COMMUNITY COMMUNICATIONS COORDINATOR | | | | | | | | | |
|---|--------|--------|--------|--------|--------|---------|--|--|--|
| Direct Costs | | | | | | | | | |
| Estimate | 2018 | 2019 | 2020 | 2021 | 2022 | Total | | | |
| Salary | 35,963 | 35,963 | 35,963 | 35,963 | 35,963 | 179,816 | | | |
| Health/Eye/Dental | 24,000 | 24,000 | 24,000 | 24,000 | 24,000 | 120,000 | | | |
| Life/Disability Insurance | 600 | 600 | 600 | 600 | 600 | 3,000 | | | |
| Pension | 3,596 | 3,596 | 3,596 | 3,596 | 3,596 | 17,982 | | | |
| Employer Taxes | 2,871 | 2,871 | 2,871 | 2,871 | 2,871 | 14,355 | | | |
| Workers Comp | 1,777 | 1,777 | 1,777 | 1,777 | 1,777 | 8,885 | | | |
| Total | 68,808 | 68,808 | 68,808 | 68,808 | 68,808 | 344,038 | | | |
| | | | | | | | | | |

Department Activities

The Administration Department provides overall support, guidance and direction for the township governmental and operational responsibilities. Coordinating the various long-range plans with the Capital Improvement Program Budget is a critical function of the Department.

The goal of the Administration Department is to strive to advance professional management through open and accountable government leadership dedicated to providing sound financial management, public safety, responsible planning, recreational opportunities and quality community infrastructure. Our goal is to continue as a progressive, healthy and livable community for future generations.

Managing the township organization and related services requires foresight to anticipate trends and new technology while meeting the basic service needs of the residents and businesses. Federal and state mandates many times affect the township, requiring the township absorb additional costs while maintaining current staffing levels. At the end of the day, the delivery of services that many residents, businesses and visitors have come to expect must be performed.

2017 Accomplishments

The Administration Department has made good progress as of mid-year 2017 toward a number of initiatives, and is hoping to achieve several more by the end of the year. Staff is working with the architectural firm By Design, LLC to develop a Building Master Plan that hopes to identify the most efficient and effective use of existing building space to accommodate current and future staffing needs. Also, staff is currently working with a digitizing firm to scan and index over 6,000 tax parcel files. This will reduce paper consumption, improve staff efficiency, and create additional space to accommodate staff growth. The Township has completed its implementation of Laserfiche, document imaging software, to reduce paper consumption, streamline business processes, and ensure compliance with state and federal law governing retention and disposition of public records.

The Township has completed its executive recruitment of a new Township Manager, and is currently in the process of selecting a new Chief of Police. Turnover of senior staff positions has

had a demonstrable effect on the progress of some major initiatives. However, the Township is poised to complete several significant projects in 2017. First, Administration and Public Works staff continue to work toward the design of a Public Works Maintenance Facility that hopes to achieve LEED Gold Certification. An update to the 2011 Community Survey is also planned. Finally, Township Administration will continue to assist in other projects as needed including the rewrite of the zoning and subdivision and land development ordinances, implementation of the regional police records management/mobile data system, creation of a Regional Park Master Plan, and more.

Strategic Plan Alignment

The Capital Improvement Plan seeks to advance the goals, objectives, and action steps as outlined in the Ferguson Township Strategic Plan. Over the next five years, several of the Strategic Plan items will be accomplished through the proposed expenditures in the Capital Improvement Plan.

Goal 1 – Financial Stability

b. Regularly compare the cost of providing services in-house with costs from private contractors, other municipalities, other government agencies, and costs of providing services regionally.

Goal 5 – Best Management Practices for Operations

- a. Ensure adequate staffing and resources necessary to carry out Township services and programs.
- c. Ensure that operational practices are fiscally responsible.

FERGUSON TOWNSHIP 2018 – 2022 CIP CAPITAL EQUIPMENT DETAIL-CASH BASIS ADMINISTRATION

| 30.400.401.750 | | |
|---|--------------|---------------|
| Description | Year | Amount |
| Administration Office renovation | 2018 | see buildings |
| Feasibility study for new fire station | 2018 | see buildinas |
| New Fire Station Land Purchase | 2019 | see buildings |
| Land Lease/Purchase for Brush & Leaf Composting | 2019 | see buildings |
| Replace Meeting Room Projector | 2018 | see IT |
| Website redesign | 2019 | see IT |
| Fulltime Community Communications Coordinator | 2020 | see salaries |
| New Fire Station | 2021 | see buildings |
| Replace Administration Vehicle | 2022 | 28,500 |
| Strategic plan update | 2022 | 5,000 |
| | | |
| Total | | 33,500 |
| | | |
| | | |
| Subtotals by Year | EXPENDITURES | |
| · | 2018 | 0 |
| | 2019 | 0 |
| | 2020 | 0 |
| | 2021 | 0 |
| | 2022 | 33,500 |
| | | |
| | Total | 33,500 |

2018

Administration Office Renovation

\$500,000

Please note: The cost of the renovation is included in the Buildings department. The narrative is provided for your information as an Administration project.

In 2017, the Township completed a Building Master Plan with By Design, LLC to evaluate its use of existing space given the need for increased staffing in the coming years. In 2018, staff is proposing to modify the interior of the administration building to reconfigure the space to make it more capable of handling additional staff. At this time, this amount is a ballpark figure until more information is available.

Part of this project includes enclosing the Executive Assistant office space to allow for more privacy when discussing human resources matters.

New Fire Station – Feasibility Study

\$25,000

The Board requested that a study be completed prior to expending significant funds on the construction of a multimillion dollar fire station. This study is expected to determine the needs and timing of such a facility for the township.

Replacement of Meeting Room Projector

\$4,000

Please note: The cost of the projector is included in the IT department. The narrative is provided for your information as an Administration project

The meeting room projector is over ten years old and has reached the end of its useful life.

2019

Acquisition/Lease of Brush and Leaf Composting Property

\$80,000

Please note: The cost of the composting property is included in the Buildings department. The narrative is provided for your information as an Administration project

Brush and leaf collection has become a major public works activity on a monthly basis. State regulations requiring the collection of brush and leaf yard waste has created a cost center for the township in its annual operating budget. Transportation and recycling of this waste needs to be a major consideration. Leaf and grass waste is being composted by State College Borough under contract with the township. Brush on the other hand is being disposed of in two ways: Loose brush is being transported to the Hawbaker Recycling facility in Patton Township, while chipped brush is being stored for transport by the University Area Joint Authority for its composting with sewage sludge. Acquiring land closer to the brush collection point will reduce transport cost, save manpower time and wear and tear on equipment. UAJA has indicated an interest in partnering on this project. A site off of Old Gatesburg Road has been identified and the property owner has indicated a willingness to sell or lease acreage long-term.

New Fire Station - Land Acquisition

\$80,000

Please note: The cost of the Fire Station is included in the Buildings department. The narrative is provided for your information as an Administration project.

This item has been carried forward from 2017. The Centre Region Fire Director has requested that the Township be prepared to acquire approximately two acres in western Ferguson Township in close proximity to Pine Grove Mills that would allow Alpha Fire Company to better respond to residents. A potential location has been identified on the 2017 Official Map, but no discussion on acquisition has taken place.

Website Redesign \$12,000

Please note: The cost of the website redesign is included in the IT department. The narrative is provided for your information as an Administration project

The Township completely redesigned its website in 2013; however, problems with the selected vendor have made accessing support difficult. Features and enhancements that were promised as part of the redesign had not been delivered, and the overall experience has been poor. Staff is recommending a redesign in this budget year to transition to a hosting platform that can better accommodate our needs and provide adequate support. Annual hosting fees are \$2,500 and included in the operating budget.

2020

No items have been requested for this budget year.

2021

New Fire Station \$2,500,000

Please note: The cost of the Fire Station is included in the Buildings department. The narrative is provided for your information as an Administration project.

In the early years of this Capital Improvement Program budget the Centre Region COG Public Safety Committee will likely endorse a study to determine the need for a new fire station in Ferguson Township. The study will determine the ideal site, size and configuration of the station. Based on a two bay station with kitchen, social area, and sleeping quarters it is estimated this facility with cost approximately \$2.8 million.

2022

Administration Vehicle

Historically, the Administration vehicle had been on a three-year replacement schedule and the outgoing vehicle had been transferred to the fleet. Given the relatively good condition and low mileage of the current fleet vehicles, it is recommended that this replacement be moved to a five-year cycle.

Strategic Plan Update

\$5,000

\$28,500

The Board of Supervisors last adopted its Strategic Plan in 2017. In 2022, this iteration of the plan will be five years old and it may be prudent to plan for an update. This item is to cover the cost of consulting services and other ancillary expenses associated with the drafting and development of the plan.

FINANCE DEPARTMENT

The Finance Department includes the township and school real estate tax collection. The Finance Department requests total \$35 Thousand or 0.3% of the total Capital Reserve Fund Requests for this capital plan.

The finance department provides billing and cash receipts for both the township and school, payment of vendors and employee payroll, cash management and investments as part of the daily activities. In addition, the finance department works with staff to prepare the five year capital improvement plan and the annual budget.

The goals of the Finance Department includes on-going reviews of the township operations with staff to promote waste reduction, efficiency and cost effective operations. This comprises using technology, staff training, trend analysis, cost management techniques, vendor relations, best practices techniques, performance benchmarking and peer group discussions.

Given that the township operations are heavily dependent on personnel and related costs, it is important to give consideration to the cost of turnover. Some estimates put the cost of hiring and training new employees, depending on the skill level, of anywhere from 20% to 100% of the cost of the employees annual salary.

Strategic Plan Alignment

The Finance Department objectives relate directly to the following strategic plan goals:

Goal 1.0 Financial Stability

Ferguson Township strives to be financially stable and capable of funding the Township's resource demands for immediate and long-term sustainability.

Goal 2.0 Adequate Staffing

Ferguson Township will maintain adequate staffing and expertise to meet the needs of a growing population.

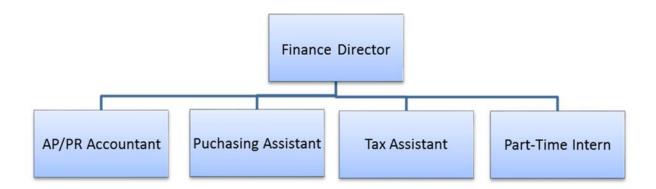
Goal 4.0 Service Delivery

Ensure service delivery in Ferguson Township is sufficient to accommodate growth, addresses new concerns of the community, and is provided at the lowest responsible cost to residents.

Goal 8.0 Regional Programs

Ferguson Township will continue to actively participate in regional programs that have a demonstrable positive impact on cost and quality of service delivery.

Organizational Chart



The Finance Department includes the tax collection and debt components of the Township. Activities consist of treasury management, billing and collection of revenues, payroll, accounts payable, debt management, risk management, grant management, fixed assets and inventories.

Historically, since changes in revenue and expenditures occur over years, rather than months, it is critical to monitor trends in order to adjust for such changes. The Finance Department works with the township staff and other related agencies, the GFOA (Government Finance Officers Association), the Centre Region COG and municipalities to obtain critical information on the health of the township at large. This way, the township can proactively manage the township operations to adjust to these changes.

One way to improve revenues is to obtain grant funding. The administration works closely with local agencies, developers and PA state agencies to locate and secure grant funding where possible. This supplements the tax revenues and reduces the burden on the township taxpayers.

TAX COLLECTION

The RBA cloud-based system is used for real estate tax collection and has been very effective for the township and school collections. This system is economical and effective.

FINANCE ITEMS

Our accounting system is a modular ERP (Enterprise Resource Planning) system. We can pick and choose what modules make the most sense for us and it is scalable. This allows the system to grow along with our needs. There are two modules that the township doesn't currently use that could be beneficial. Work flow and Inventory.

The accounting work flow is comprised of electronic requisition/purchasing/accounts payable processing. The concept of the electronic workflow is to eliminate paper documents related to requesting and authorizing purchases. Currently, the system is a paper system, where the individual requesting authorization to purchase an item completes a requisition form that is approved via a signature of the department head. Once approved, staff can order the item. The paper requisition is copied and one copy is retained in finance for matching with the invoice. If a formal purchase order is required, the Finance Department prepares one using the accounting system. The township manager approves the purchase via his signature. Once

approved, staff can order the item. The purchase order is matched to the invoice. While this paper system has functioned adequately for many years, technology is changing rapidly. Paper and related costs are being eliminated where possible to save money and time.

The township is currently using a server to house the springbrook software. This limits the ability to maintain current versions of the software due to cost of the upgrades. Springbrook offers a cloud version of the software that is maintained to the current version. There is a cost for this, however it would be offset at least partially by not having to maintain a server in-house. A ballpark estimate is included in the plan until a more relavant cost is obtained.

Springbrook has the capability to allow users to complete a requisition on the system directly and allow department heads and/or the Township Manager to approve the request on the system, as well. The main benefits of electronic requisitions are to reduce the chance of lost paperwork, reduce the amount of paper flow, speed up the process in many cases, and to save storage costs for records. Another benefit is to require staff to enter all the necessary data before the request can be submitted. Currently, it is common that certain data is missing, requiring additional staff time to obtain the missing data.

As the township becomes more advanced in technology, other options become available for consideration. One such item is inventory control. Eventually, inventory costs will become so large that it will be material to the township finances. Currently, there is no tracking of inventory items. One example that could have a material affect on the township reporting is the salt inventory. The salt shed holds around 1,000 tons of salt. At \$75 per ton, it is possible to have \$75,000 worth of assets in the salt shed at any one time. An inventory system would be able to account for this. Other items include small items that do not meet the fixed assets threshold in cost. Small tools, automotive parts and supplies, chemicals etc. Finance would work with the public works department to implement such as system.

| FERGUSON TOWNSHIP | | |
|--|-----------|----------|
| 2018 – 2022 CIP CAPITAL EQUIPMENT DETAIL | L-CASH BA | SIS |
| FINANCE | | |
| | | |
| 30.400.402.750 | | |
| Description | Year | Amount |
| AP/PO workflow Springbrook | 2018 | 7,500 |
| Upgrade Springbrook to cloud version | 2018 | 15,000 |
| Inventory Module Springbrook | 2019 | 12,500 |
| Tota | <u> </u> | 35,000 |
| | | |
| Subtotals by Year | EXPE | NDITURES |
| | 2018 | 22,500 |
| | 2019 | 12,500 |
| | 2020 | 0 |
| | 2021 | 0 |
| | 2021 | 0 |
| | | |
| | Total | 35.000 |

DEBT SERVICE



Proposed and current debt service costs total \$4.27 Million (not including interfund transfers) or 4.0% Proposals for All Funds in this capital plan. Part of the long term planning for capital items must include debt service considerations. Given the scope of the township strategic plans, many of the proposals require significant funding to be completed in a reasonable time. Financing such projects may require longer-term payments than may be possible given available township resources. Other future debt considerations include a second floor addition to the township main building.

The proposed debt service for the new five years is listed in the following chart. This includes the public works facility, park projects and other capital projects.

One financial consideration that is recommended is to limit debt spending. It is important to understand that debt is spending beyond the current ability to pay. It should be reserved for capital needs and used as an investment to reduce future operating costs. The ability to pay back the debt needs to be considered and management needs to be cognizant of the restrictions it places on townships ability to pay for other activities.

The township's portion of the regional debt is also included. This assumes no change in the COG formula for the pools loan, for which the municipal contributions are recomputed after 10 years. Currently, the regional pools and the regional parks have a long-term debt service requirements as listed in the table.

| FERGUSON TOWNSHIP | | | | | | | | |
|--|-------------|-----------|---------|---------|---------|---------|-----------|-----------|
| 2018 – 2022 CIP CAPITAL EQUIPMENT DETA | AII -CASH F | BASIS | | | | | | |
| DEBT SERVICE PROJECTIONS | ul CAOII L | JAOIO . | | | | | | |
| DEDI GERMANIE I ROSEGITARIO | | | | | | | | |
| | Payments | Original | | | | | | |
| TOWNSHIP DEBT | Begin | Amount | Expires | 2018 | 2019 | 2020 | 2021 | 2022 |
| COG Pools Debt | 2013 | 1,761,800 | 2028 | 130,000 | 130,000 | 130,000 | 130,000 | 130,000 |
| COG Parks Debt | 2012 | 2,121,840 | 2031 | 110,000 | 111,000 | 113,000 | 116,000 | 119,000 |
| Fueling Facility financing (\$300K, 10 yrs 3%) | 2019 | 300,000 | 2028 | | 65,100 | 65,100 | 65,100 | 65,100 |
| Terraced Streetscape PA Infrastructure Loan (\$370K,5 yr 2%) | 2018 | 370,000 | 2022 | 78,000 | 78,000 | 78,000 | 78,000 | 78,000 |
| Ferguson Township Maintenance Facility (\$2.4M, 20 yr, 3%) | 2018 | 2,250,000 | 2037 | 155,000 | 155,000 | 155,000 | 155,000 | 155,000 |
| Township Fire Station (\$2.5M, 20 yr, 3%) | 2021 | 2,500,000 | 2040 | | | | 168,000 | 168,000 |
| Township Administration Bldg renovations (\$500K, 5yr, 3%) | 2018 | 500,000 | 2022 | 109,000 | 109,000 | 109,000 | 109,000 | 109,000 |
| Park Improvement Loan (Tudek Phase 3a), 300K, 5 yr 3%) | 2018 | 300,000 | 2022 | 66,000 | 66,000 | 66,000 | 66,000 | 66,000 |
| Park Improvement Loan (Cecil Irvin 200K, 5 yr 3%) | 2019 | 200,000 | 2023 | | 44,000 | 44,000 | 44,000 | 44,000 |
| Park Improvement Loan (Suburban 200K, 5 yr 3%) | 2020 | 200,000 | 2024 | | | 44,000 | 44,000 | 44,000 |
| Park Improvement Loan (Haymarket 235K, 5 yr 3%) | 2021 | 235,000 | 2025 | | | | 51,000 | 51,000 |
| Total | | | | 648,000 | 758,100 | 804,100 | 1,026,100 | 1,029,100 |
| | PROC | CEEDS | | | | | | |
| | 2018 | 3,420,000 | | | | | | |
| | 2019 | 500,000 | | | | | | |
| | 2020 | 200,000 | | | | | | |
| | 2021 | 2,735,000 | | | | | | |
| | 2022 | 0 | | | | | | |
| | Total | 6,855,000 | | | | | | |

INFORMATION TECHNOLOGY DEPARTMENT

The Information Technology department requests \$136 Thousand or 1.2% of the Capital Reserve Fund Requests for this capital plan.

Currently, a third party, Hinton and Associates, manages the information technology department. The Assistant Manager and the Finance Director work closely with township staff and Hinton to manage the computer systems and software, perform updates, plan future needs of the township and assist with helpdesk tickets.

Desktop computers, laptops and software maintenance fall under the operating budget based on not meeting the \$2,500 threshold for capital expenditures.

OUTLOOK AND STRATEGIC PLANNING

It seems like technology is in a constant state of flux. Five years is like an eternity in the technology field. What was common 5 years ago may be completely different today. Mobile apps and cloud versions of software are commonplace.

What will the next 5 years bring to the industry and how will the township adapt or deal with the changes? Most likely internet security will be a hot topic now and the future. How do we protect our data, finances, and computer systems from intrusion?



With new generations of firewalls and antivirus, anti-intrusion capabilities, it will be important to not only protect the network and computers, but mobile devices, (including phones, laptops and tablets) as well. The system is only as safe as the weakest link.

As the software the township uses increases in complexity, the cost also increases. This cost has made it cost prohibitive for both the providers and the customers. To deal with this, providers are moving to cloud versions and offering Software as a Service (SAS) rather than the software itself.

THE TOWNSHIP IS GROWING

The township is large enough now to handle most IT activities independently rather than requiring a group endeavor. Part of the reason for this is the cost of hardware for the amount of computing power has decreased considerably. There are some real benefits to this. Decisions can be made that are tailored to the township needs and implementation can be performed faster. It is important to be aware that this also increases risk. It will require diligence on the township to plan for the technology needs using experts and relying on the IT contractor in assisting with choices. The IT strategic plan and the CIP fills this need.

SECURITY

One of the current issues facing business, government, residents and anyone using the internet is security. One threat that made the news recently is ransomware, or malicious software that is designed to block access to a computer system until a sum of money is paid. These types of threats are constantly changing and require the township to adapt to them. The township can protect itself using several methods, including staff training, enhanced firewalls, limiting access points, antivirus/anti-malware protection, proactive scanning of the network, and intrusion

detection. Data backup, both onsite and offsite, protects the server data in case of fire or other disaster.

ARCHITECTURE

The township is virtualizing servers (sharing hardware to operate multiple operating systems on one piece of hardware). This requires redundancy since if a server fails, it will affect several systems. The total cost of hardware can be significantly less than the traditional architecture. The township is pursuing server virtualization where cost-effective and beneficial.

Virtualization Defined

For those more visually inclined...



INTERNET ACCESS & SECURITY

The township contracted with Comcast in 2017 for high speed internet. This is a 3 year aggreement ending in 2020. This required the township to invest in a firewall and related software to protect the system. The benefits of this system is a fourfold increase in speed at the same operating costs. In addition, there is another potential solution, KINBER.

The Keystone Initiative for Network Based Education and Research (KINBER) network is a non-profit internet company providing services to the educational and government markets using fiber optic cable. The installation costs are steep (approximately \$50K). KINBER may allow the township to extend internet service to businesses, making the local environment more condusive to future regional employment.



TRAINING

One component of the changing technology is the constant need for training. Users cannot inherintely understand how software works and how best to use it and the variety of applications is expanding along with the complexity of said software. It is essential to train staff how to be proficient using the tools at hand. Microsoft Office, Laserfiche, Springbrook, ESRI, Tyler all require specialized training to be used effectively.

CLOUD SOFTWARE

Technology is changing and cloud software is finding footing in industry. Microsoift Office is promoting the cloud version with the Office365 platform. The Centre Region COG Codes software, payroll and human resources, and the Centre Region COG Finance accounting software are evidence of this. Vendors are finding savings in cloud software and some are requring customers to convert to the cloud product. One advantage of cloud software is that users have access to the most current software available and it may be automatically updated behind the scene.

Some software is not a good fit for the cloud. Geographic Information Systems (GIS) software is a good example. Due to the amount of data involved, communicating with the cloud becomes bottlenecked. It is likely that at some point in the future, this issue will be resolved. Online backup and restoration is another example of difficulty with the cloud. The volume of data during a full backup or restore could potentially require days to transfer. This is not currently a practical means of data restoration.



DOCUMENT MANAGEMENT

The township has installed the Laserfiche document management solution. One of the major benefits of such a system is universal access. It doesn't require staff to deliver

documents physically to other staff's offices and documents are not lost in transit.

Storage space is considerably reduced and retrieval time is reduced to seconds rather than tens of minutes. Saving time on such activities is key to overall cost savings for the township. There is practically no limit on storage space for documents given the current storage capacities of hard drives.

This system provides for electronic workflow, a systematic procedure for processing documents Given the time limits on processing certain documents, electronic transmission is far more efficient than paper. The applications are endless. Any paper process can be converted to an electronic one. The authorizations are done electronically via email and can be customized to fit the best practices.

| FERGUSON TOWNSHIP | |
|---|--|
| 2018 – 2022 CIP CAPITAL EQUIPMENT DETAIL-CASH BASIS | |
| INFORMATION TECHNOLOGY | |

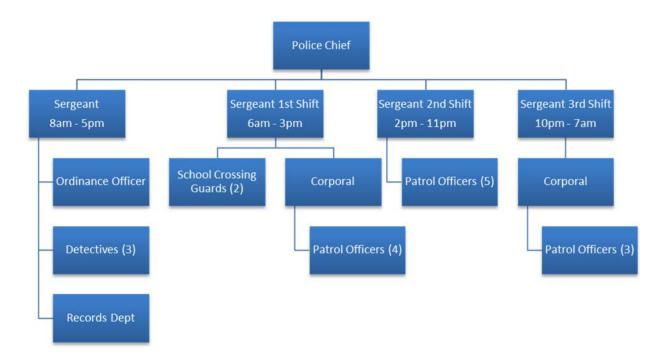
| INFORMATION TECHNOLOGY | | |
|---|-------|----------|
| | | |
| 30.400.407.750 | | |
| Description | Year | Amount |
| Network GB switch replacement of 10/100MB switch | 2018 | 5,000 |
| Replace main meeting room projector | 2018 | 4,000 |
| Network GB switch for new PW building | 2018 | 5,000 |
| Replacement server including database software and virtualization | 2019 | 15,000 |
| website redesign | 2019 | 12,000 |
| Offsite backup server | 2020 | 15,000 |
| KINBER connection | 2020 | 50,000 |
| Phone system upgrade/replacement | 2022 | 30,000 |
| | | |
| | | |
| Total | | 136,000 |
| | FYPFI | NDITURES |
| Subtotals by Year | 2018 | 14,000 |
| Subtotals by Teal | 2019 | 27,000 |
| | 2020 | 65,000 |
| | 2021 | 0 |
| | 2022 | 30,000 |
| | | · |
| | Total | 136 000 |

POLICE DEPARTMENT

The Police Department is proposing to spend **\$798 Thousand or 7.1%** of the **Capital Reserve Fund Requests** during the term of this capital plan

Organizational Chart

The proposed organizational chart for the department is displayed below. The department employs 21 officers as well as the Chief, and two records assistants, a part time ordinance enforcement officer and two part time crossing guards.



Police Vehicle Fleet Map

The current police vehicle fleet map is included for your reference. It includes ten Patrol vehicles, some powered by Compressed Natural Gas, as well as administrative, detective and training vehicles. The Mobile Command Vehicle, which is jointly owned but maintained by FT, is listed on the map. The replacement dates are included in the chart.

| Vehicle # FT.1 | FT.1 | FT-2 | FT3 | FT.4 | FT.4 FT.5 | 9-14 | FT.7 | 8-1.4 | FT-10 | FT-111 | FT-12 | FT-13 | FT-6 FT-7 FT-8 FT-10 FT-11 FT-12 FT-13 FT-14 FT-17 | FT-17 | | FF-21 | FT.20 FT.21 FT.5 EVOC |
|--------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---|--------------------------------|------------------------------|-------------------------|---|-----------------------------|------------------------------|--|------------------------|-----------------|------------------|-----------------------|
| Year / Make | 2013 Chev Taboe | 2014 Chev Takee | 2013 Chev Tahoe | 2012 Chev Caprice | 2016 Chev Tahoe | 2012 Chev Caprice | 2009 Ford Crown Victoria | 2015 Chev Takoe | 2016 Chev Equinox | 2013 Chev Taboe | 2014 Chev Caprice | 2014 Chev Impula | 2011 Chev Taboe | 2006 Chev Impala | 2000 MCV | CRV 1995 Ford | 2011 Chev Caprice |
| Twp ID | 100046 | 100259 | 100045 | 100043 | 101001 | 100048 | 100195 | 100262 | 100101 | 100044 | 100261 | 100260 | 100254 | 100123 | | 100252 | 100255 |
| In Service | May-13 | May-14 | May-13 | Oct-12 | Nov-16 | Oct-12 | Jun-09 | Jul-15 | May-16 | May-13 | Apr-15 | Mar-14 | Aug-12 | Mar-10 | Jul.05 | Jun-08 | 91/11 |
| Assignment | Patrol | Patrol | Patrol | Patrol | Patrol | Patrol | Patrol | Patrol | Detective | Patrol | All | Chief | Patrol | Detective | Spec | Spec | Patrol |
| CNG | Y Gan 2014) Grant | Z | Y (Jan 2014) Grant | | Y | | | Z | N | Y (May 2013) | Z | | N | | | | |
| Radio In Service | XTL.2500 2013 | XTL2500 2013 | XTL2500 2013 | XTL2500 2013 | X77.2500 2013 | XTL2500 2013 | XTL5000 2009 | APX6500 2015 | XTL2500 2013 | XTL-5000 2009 | APX4500 2015 | APX4500 XTL2500 2015 2015 | XTL2500 3013 | XTL2500 2013 | Multiple | | XTL2500 2013 |
| MCT Model / In service | GETAC Tablet (2017) | GETAC Tablet (2017) | GETAC TaMet (2017) | GETAC Tablet (2017) | GETAC Tablet (2016) | GETAC Tablet (2017) | No. | GETAC Tablet (2015) | None | GETAC Tablet (2017) | GETAC Tablet (2015) | None | M-6 (2010) | None | | None | Nome |
| VASCAR/ VSPEC In service | VASCAR Plus IIIC (2015) | VSPEC 2009 | VASCAR Plus IIII. 2015 | NA | VASCAR VASCAR Plus IIIC Plus IIIC 2015 2015 | VASCAR Plus IIIC 2015 | N/A | N/A | N/A | | N/A | |
| Replacement Date | 2019 | 2020 | 2018 | 2019 | 2022 | 2019 | 2020 | 2021 | 2022 | 2020 | 2022 | 2021 | 2017 | 2018 | NA | N/A | 2016 |
| Color | BlSilver | BiSilver | BVSilver | Silver | Silver | Silver | Dk Blue | Bl/Silver | Bik | Bl/Silver | Black | Black | Silver | Black | White | | Silver |
| Registration | MG4783G | MG7709G | MG4785G | MG3039G | MG4280J | MG3039G MG4280J MG3038G EDD0010 MG6229H | EDD0010 | MG6229H | JNV4824 | JNV4824 MG4784G JLE9032 | JLE9032 | JKK3229 | MG6670F | HJS9895 | HJS9895 95356MG | MG4227B | MG7642F |
| Mileage May 2017 | 87,834 | 71,838 | 87,834 71,838 102,690 | 85,101 | 7,439 | 85,101 7,439 85,081 77,371 25,995 | 17.371 | 25,995 | | 6,612 76,977 | 15,350 | 16,888 | 15,350 16,888 100,288 51,563 | 51.563 | 5,657 | 187,887 | 129,686 |

Police Department Capital Requests

The total proposed Police Department capital items for the 2018 to 2022 CIP is described in the following requests. The proposed five-year Capital Improvement Plan expenditures are based on currently known information and are coordinated with the Township's strategic plan. It includes fleet rotation based on a 5 year or more cycle of 1 to 3 vehicles per year, depending on condition of the vehicle. Most new patrol vehicles have been specified as Ford Interceptors.

Police Vehicles & Accessories

| | F | ERGUSON | TOWNSHIP | • | | | | |
|--|--------------------|----------------------|----------|-----------|----------|--------|---------|---------|
| 2018 – 2 | 022 CIP CA | PITAL EQU | IPMENT D | ETAIL-CAS | SH BASIS | | | |
| | | POLICE V | EHICLES | | | | | |
| | | 30.400.4 | 10.750 | | | | | |
| Description | Current Mileage | Age @ Replacement | 2018 | 2019 | 2020 | 2021 | 2022 | Total |
| Replace 2013 Tahoe (FT3) (including equipment) | 102,690 | 5 | 39,250 | | | | | 39,250 |
| Replace 2008 Impala (FT17) (including equipment) | 51,563 | | 32,300 | | | | | 32,300 |
| Replace 2013 Tahoe (FT1) (including equipment) | 87,834 | | ,,,,,,, | 42,200 | | | | 42,200 |
| Replace 2012 Caprice (FT4) (including equipment) | 85,101 | 7 | | 42,200 | | | | 42,200 |
| Replace 2012 Caprice (FT6) (including equipment) | 85,081 | 7 | | 42,200 | | | | 42,200 |
| Replace 2014 Tahoe (FT2) (including equipment) | 71,838 | 6 | | | 46,900 | | | 46,900 |
| Replace 2009 Crown Vic (FT7) (including equipment) | 77,371 | 11 | | | 46,900 | | | 46,900 |
| Replace 2013 Tahoe (FT11) (including equipment) | 76,977 | 7 | | | 46,900 | | | 46,900 |
| Replace 2015 Tahoe (FT8) (including equipment) | 25,995 | 6 | | | | 50,425 | | 50,425 |
| Replace 2014 Impala (FT13) (including equipment) | 16,888 | 7 | | | | 45,425 | | 45,425 |
| Replace 2016 Tahoe (FT5) (including equipment) | 7,439 | 6 | | | | | 54,800 | 54,800 |
| Replace 2016 Equinox (FT10) (including equipment) | 6,612 | 6 | | | | | 49,800 | 49,800 |
| Replace 2014 Caprice (FT12)(including equipment) | 15,350 | 8 | | | | | 54,800 | 54,800 |
| Total | | | 71,550 | 126,600 | 140,700 | 95,850 | 159,400 | 594,100 |

2018

Police Vehicles & Equipment

\$71,551

Two vehicles will be due for replacement. Utility vehicles are specified. All makes/models will be reviewed for best value to need at the time of purchase.

| Replace 2013 Chevrolet Tahoe (FT-3) | 29,250 |
|---------------------------------------|--------|
| Equipment and installation | 10,000 |
| Subtotal | 39,250 |
| | |
| Replace 2008 Chevrolet Impala (FT-17) | 26,300 |
| Equipment and installation | 6,000 |
| Subtotal | 32,300 |
| Total | 71,550 |

Police Vehicles & Equipment

\$126,600

Three vehicles will be due for replacement.

| Replace 2013 Chevy Tahoe (FT-1) | 32,200 |
|-----------------------------------|---------|
| Equipment and installation | 11,000 |
| Subtotal | 42,200 |
| | |
| Replace 2012 Chevy Caprice (FT-4) | 32,200 |
| Equipment and installation | 11,000 |
| Subtotal | 42,200 |
| | |
| Replace 2012 Chevy Caprice (FT-6) | 32,200 |
| Equipment and installation | 11,000 |
| Subtotal | 42,200 |
| Total | 126,600 |

2020

Police Vehicles & Equipment

\$140,700

Three patrol vehicles are due for replacement.

| • | |
|-------------------------------------|---------|
| Replace 2014 Chevrolet Tahoe (FT-2) | 35,400 |
| Equipment and installation | 11,500 |
| Subtotal | 46,900 |
| _ | _ |
| Replace 2009 Crown Victoria (FT-7) | 35,400 |
| Equipment and installation | 11,500 |
| Subtotal | 46,900 |
| | |
| Replace 2013 Chev Tahoe (FT-11) | 35,400 |
| Equipment and installation | 11,500 |
| Subtotal | 46,900 |
| Total | 140,700 |
| | 1 |

2021

Police Vehicles & Equipment

\$95,850

Two vehicles will be due for replacement.

| Replace 2015 Chevrolet Tahoe (FT-8) | 38,925 |
|-------------------------------------|--------|
| Equipment and installation | 11,500 |

| Subtotal | 50,425 |
|-----------------------------------|--------|
| | |
| Replace 2014 Chevy Impala (FT-13) | 38,925 |
| Equipment and Installation | 6,500 |
| Subtotal | 45,425 |
| Total | 95,850 |

2022

Police Vehicles & Equipment

\$159,400

Three vehicles will be due for replacement.

| 42,800 |
|---------|
| 12,000 |
| 54,800 |
| |
| 42,800 |
| 7,000 |
| 49,800 |
| |
| 42,800 |
| 12,000 |
| 54,800 |
| 159,400 |
| |

Police Equipment

| FERGUSON TOWNSHIP 2018 – 2022 CIP CAPITAL EQUIPMENT DETAIL-CASH BASIS POLICE SOFTWARE & EQUIPMENT | | | | | | | | |
|---|--------|-------|------|------|------|--------|--|--|
| 30.400.410.750 | | | | | | | | |
| Description | 2018 | 2019 | 2020 | 2021 | 2021 | Total | | |
| Records Management/Mobile Data | 67,550 | | | | | 67,550 | | |
| Drone (shared with Patton Township) | | 4,500 | | | | 4,500 | | |
| Mobile device forensic software | 7,700 | | | | | 7,700 | | |
| | | | | | | 0 | | |
| | | | | | | | | |
| Total | 75,250 | 4,500 | 0 | 0 | 0 | 79,750 | | |

Police Vehicle Equipment Sinking Fund

This sinking fund is to replace the mobile equipment, such as computers, monitors, keyboards, printers, air cards, in the police cars when they reach the end of life. It is also expected to be used for camera systems, license plate readers and other mobile technologies.

| FERGUSON TOWNSHIP | | | | | | | | |
|---|------|-----------|------------|---------|--|--|--|--|
| 2018 – 2022 CIP CAPITAL EQUIPMENT DETAIL-CASH BASIS | | | | | | | | |
| POLICE CAR EQUIPMENT SINKING FUND | | | | | | | | |
| 30.400.410.760 | | | | | | | | |
| Description | Year | Additions | Deductions | Balance | | | | |
| Annual Sinking Fund Contribution | 2017 | 30,000 | | 40,360 | | | | |
| Annual Sinking Fund Contribution | 2018 | 95,000 | | 135,360 | | | | |
| In-car Camera Systems | 2018 | | 60,000 | 75,360 | | | | |
| Body worn Camera System | 2018 | | 34,000 | 41,360 | | | | |
| Consultant for camera systems | 2018 | | 30,000 | 11,360 | | | | |
| Annual Sinking Fund Contribution | 2019 | 10,000 | | 21,360 | | | | |
| Annual Sinking Fund Contribution | 2020 | 10,000 | | 31,360 | | | | |
| Annual Sinking Fund Contribution | 2021 | 10,000 | | 41,360 | | | | |
| Annual Sinking Fund Contribution | 2022 | 10,000 | | 51,360 | | | | |
| | | | | 51.360 | | | | |
| | | | | 51,360 | | | | |
| | | | | | | | | |
| Total | | 165,000 | 124,000 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Subtotals by Year | | EXPEND | ITURES | | | | | |
| | | 2018 | 124,000 | | | | | |
| | | 2019 | 0 | | | | | |
| | | 2020 | 0 | | | | | |
| | | 2021 | 0 | | | | | |
| | | 2022 | 0 | | | | | |
| | | <u>J</u> | | | | | | |

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Records Management/Mobile Data System

\$67,550

The budget for the purchase of our share of the next generation, regionally shared mobile data/records management system was \$139,444. This included products, installation, data conversion, go-live assistance and project management. It is anticipated that at least \$71,899 will be spent by the end of 2017, leaving \$67,545 remaining in 2018.

In-car Cameras (sinking fund item)

\$60,000

This purchase would add in-car audio/video cameras to the patrol fleet. (9 @ \$6,000 each plus one 10 TB server @ \$4,000 plus installation and training \$2,000.)

Body Worn Cameras (sinking fund item)

\$34,000

This purchase would add body worn cameras to officers' equipment. Ideally, these would be part of the same system as the in-car cameras and upload to the same storage and management system. The amount would be reduced by any available grant funding. (18 @ \$100 each plus \$16,000 licensing costs and data storage.)

IT Consultant Services (as part of In-car & body camera projects) (sinking fund item)

\$30,000

1 full time or 2-part time information technology consultant(s) are anticipated to support the selection, purchase, installation, interfacing, security, training, and storage, redaction and retrieval processes of the above camera systems.

Mobile Device Forensic Analysis & Mapping Software

\$7,700

This purchase is for cell phone & other mobile device information extraction, analysis and mapping software. Our license for the most comprehensive cell phone content analysis software is reaching end of life and will need renewed & upgraded.

2019

Drone Shared with Patton Township

\$4,500

This is a re budget from 2017 in the event that the item & training are not completed within the 2017 budget year. The township is working with Patton Township to acquire a drone to be used in search and rescue and other police activities. This is the township's 50% share of the cost.

2020 - 2022

No items are yet budgeted for these years.

PLANNING AND ZONING DEPARTMENT

The total proposed capital costs for the Planning and Zoning Department totals \$50 Thousand or 0.4% of the Capital Reserve Fund Requests for the five years.

The Department of Planning & Zoning do not have a specific project at this time for the CIP, however, in discussion with the Township Manager, we would like to suggest adding a staff member consistent with the 2016 Strategic Plan. To follow the Board of Supervisors lead in implementing the Ferguson Township Strategic Plan through the CIP Process, under the Goal of Economic Development, establish a Township Economic Advisory Group and consider the employment of an Economic Development Director (Coordinator). We would request projecting the position out to 2021, and suggest a salary at approximately \$70,000. A job description will need to be developed and the structure of a potential citizen based advisory group or commission will need to be developed prior to hire.

Organizational Chart



| FERGUSON TOWNSHIP | | | | | | | | |
|---------------------------|------|------|------|---------|---------|---------|--|--|
| 2018 – 2022 CIP STAFFING | | | | | | | | |
| PLANNING STAFFING | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Direct Costs | | | | | | | | |
| Estimate | 2018 | 2019 | 2020 | 2021 | 2022 | Total | | |
| Salary | | | | 70,000 | 70,000 | 140,000 | | |
| Health/Eye/Dental | | | | 24,000 | 24,000 | 48,000 | | |
| Life/Disability Insurance | | | | 600 | 600 | 1,200 | | |
| Pension | | | | 7,000 | 7,000 | 14,000 | | |
| Employer Taxes | | | | 5,475 | 5,475 | 10,950 | | |
| Workers Comp | | | | 3,458 | 3,458 | 6,916 | | |
| Total | 0 | 0 | 0 | 110,533 | 110,533 | 221,066 | | |

Department Activities

The Department of Planning & Zoning is responsible for the regulation of land use activity in the township including all subdivision and land development acitivity. Staff reviews plan submissions for any new construction or alterations to ensure compliance with township ordinances. Additionally, the department conducts inspections on all building activity in the township.

The Zoning Administrator and Ordinance Enforcement Officer are responsible for the enforcement of township ordinances as they relate to items such as snow removal, abandoned vehicles, lawn maintenance, and more.

2017 Accomplishments

In June 2016, the Planning & Zoning Director recommended Environmental Planning & Design of Pittsburgh, PA to complete the revisions to the Zoning and Subdivision & Land Development Ordinances with the assistance of both staff and steering committee. To date, staff and consultat have not only worked with the Steering Committee, but also the Ferguson Township farming community on necessary adjustments to the rural district regulations. In June 2017, staff received the first working draft of the revised Zoning Ordinance, as staff and EPD will work with the Steering Committee on the proposed revisions and eventually present drafts to the Township Planning Commission and Board of Supervisors.

Planning and Zoning staff worked on two noteworthy in-house updates, namely Chapter 19 – Signs and Billboards and the 2009 Official Map. The Sign Ordinance has been substantially modified to comply with the United States Supreme Court decision in *Reed v. Town of Gilbert* requiring content neutrality in all municipal sign regulations. Further modifications have been added to provide for new types of signage, improve the ability for residents and businesses to interpret and apply the regulations, and make the ordinance more "business-friendly." Additionally, the Official Map & Ordinance Update completed a year-long process of developing revisions to shared use paths, agricultural easements, public lands and parks, and a proposed fire station location.

Also, in late 2017 into 2018, Environmental Planning & Design will prepare to assist staff along with a neighborhood focused steering committee to complete a comprehensive update to the Terraced Streetscape District. The update will accomplish coordination not only with neighborhood stakeholders, but also Penn State University interests and sychronization with Borough ordinance efforts in the West End. The update will include review of existing ordinance provisions, deliberation of options and refinements, along with enhancement of dimensional and general design standards.

Strategic Plan Alignment

The Capital Improvement Plan seeks to advance the goals, objectives, and action steps as outlined in the Ferguson Township Strategic Plan. Over the next five years, several of the Strategic Plan items will be accomplished through the proposed expenditures in the Capital Improvement Plan.

Economic Development Coordinator

2) Economic Development

- a. Establish an economic development advisory group (with economic development expertise).
- b. Consider the employment of an economic development director (full-time, part-time, or a contracted service). This individual or contractor would be responsible to assist and support existing businesses to help them prosper and expand in Ferguson Township. He/she would be the Township's liaison with the business development community. He/she would develop an inventory of vacant commercial and industrial sites and would make that information available to interested parties. He/she would identify and pursue programs and grants to support economic development in Ferguson and would have responsibility for managing the Community Development Block Grant Program. (Board to initiate, staff to implement)

8) Promotion of Municipal Identity

 a. Develop our Sense of Place by developing a vibrant Town Center, preserving our agricultural heritage, and promoting the features that make the Township unique. (Staff)

Consultant – Rewrite of Land Use Ordinances (rebudgeted from 2016)

3) Growth Management

- a. Identify and complete (develop) plans for specific small areas. (Board, Staff, Planning Commission)
- b. Develop a future land use plan (Comprehensive Plan). (Staff, Planning Commission, Board)
- c. Develop a Township housing plan to provide for low and moderately priced housing in the Township (workforce housing). (Staff, Regional input, possible ad hoc advisory group)

4) Environmental Stewardship

b. Make certain that land development regulations and development plans are consistent with environmental values (Staff, Planning Commission, Board)

Consultant - Rewrite Terraced Streetscape District (2017)

3) Growth Management

- a. Identify and complete (develop) plans for specific small areas. (Board, Staff, Planning Commission)
- b. Develop a future land use plan (Comprehensive Plan). (Staff, Planning Commission, Board)
- c. Develop a Township housing plan to provide for low and moderately priced housing in the Township (workforce housing). (Staff, Regional input, possible ad hoc advisory group)

4) Environmental Stewardship

b. Make certain that land development regulations and development plans are consistent with environmental values (Staff, Planning Commission, Board)

Land Use Master Plan (2020)

- 3) Growth Management
 - a. Identify and complete (develop) plans for specific small areas. (Board, Staff, Planning Commission)
 - b. Develop a future land use plan (Comprehensive Plan). (Staff, Planning Commission, Board)
 - c. Develop a Township housing plan to provide for low and moderately priced housing in the Township (workforce housing). (Staff, Regional input, possible ad hoc advisory group)

4) Environmental Stewardship

- b. Make certain that land development regulations and development plans are consistent with environmental values (Staff, Planning Commission, Board)
- 9) Partnerships and Regional Thinking
 - b. Work towards regional cooperation on issues that affect the entire Centre Region

Planning & Zoning Department Requests

| FERGUSON TOWNSHIP | | | | | | |
|---|-------|---------------|--|--|--|--|
| 2018 – 2022 CIP CAPITAL EQUIPMENT DETAIL-CASH BASIS | | | | | | |
| PLANNING | | | | | | |
| 30.400.414.750 | | | | | | |
| Description | Year | Amount | | | | |
| | | | | | | |
| Land Use Master Plan | 2020 | 50,000 | | | | |
| | | | | | | |
| | | 50.000 | | | | |
| Total | | 50,000 | | | | |
| | | | | | | |
| Subtotals by Year | EXPE | NDITURES | | | | |
| | 2018 | 0 | | | | |
| | 2019 | 0 | | | | |
| | 2020 | 50,000 | | | | |
| | 2021 | 0 | | | | |
| | 2022 | 0 | | | | |
| | Total | 50,000 | | | | |

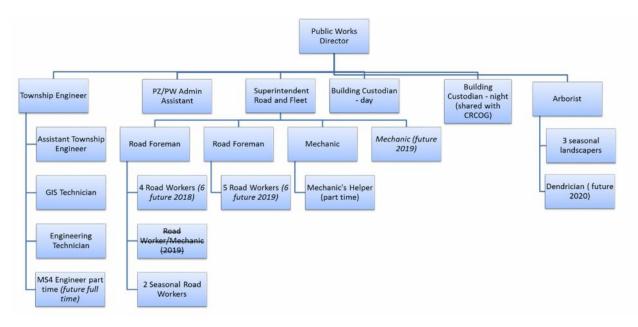
| 2020 | |
|----------------------|----------|
| Land Use Master Plan | \$50,000 |

Several documents guide the township's planning decisions including the Official Map, Strategic Plan, and Centre Region Comprehensive Plan. A Land Use Master Plan would greatly supplement the value of those documents by providing an expanded, consolidated vision for community planning. The plan will focus on issues affecting the township such as a needs assessment on mixed-use development, areas where growth could be concentrated outside of the Regional Growth Boundary, accommodation of additional land uses, and promotion of economic development. This item will cover the cost of a consultant to assist in the preparation of this document.

PUBLIC WORKS DEPARTMENTS

PUBLIC WORKS STAFFING

The Public Works Department organizational chart is depicted below. New personnel may be requested in this 5-year CIP to meet ever increasing demands of the Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) permit requirements and the demand for road maintenance and capital road repairs. The organizational chart reflects current and proposed staffing.



| FERGUSON TOWNSHIP | | | | | | | | | | | |
|---------------------------|--------------------------------------|------------------|--------------|---------|---------|-----------|--|--|--|--|--|
| 2018 – 2022 CIP STAFFING | | | | | | | | | | | |
| | PUBLIC WORKS STAFFING | | | | | | | | | | |
| | | | | | | | | | | | |
| Staffing | 2 road workers promote mech | 1 road worker | 1 dendrition | | | | | | | | |
| Direct Costs | | | | | | , | | | | | |
| Estimate | 2018 | 2019 | 2020 | 2021 | 2022 | Total | | | | | |
| Salary | 85,000 | 125,000 | 165,000 | 165,000 | 165,000 | 705,000 | | | | | |
| Health/Eye/Dental | 48,000 | 72,000 | 96,000 | 96,000 | 96,000 | 408,000 | | | | | |
| Life/Disability Insurance | 1,200 | 1,800 | 2,400 | 2,400 | 2,400 | 10,200 | | | | | |
| Pension | 8,500 | 12,500 | 16,500 | 16,500 | 16,500 | 70,500 | | | | | |
| Employer Taxes | 6,623 | 9,683 | 12,743 | 12,743 | 12,743 | 54,535 | | | | | |
| Workers Comp | 4,199 | 6,175 | 8,151 | 8,151 | 8,151 | 34,827 | | | | | |
| Total | 153,522 | 227,158 | 300,794 | 300,794 | 300,794 | 1,283,062 | | | | | |
| | 2 | 3 | 4 | 4 | 4 | | | | | | |
| | 2 ROAD WORKERS | 1 ROAD WORKER | 1 dendrition | | | | | | | | |
| | Upgrade mech | | | | | | | | | | |

BUILDINGS AND GROUNDS SECTION

The total proposed capital costs for the Buildings & Grounds Section totals \$6.4 Million or 60.1% of the Capital Reserve Fund Requests for the five years.

The Public Works Capital Building Fund Appropriation for building systems saves for the future replacement of building systems such as HVAC, roofs, doors, windows, flooring, light fixtures, security door system, cameras, fire system and panels, and audio video systems and fixtures.

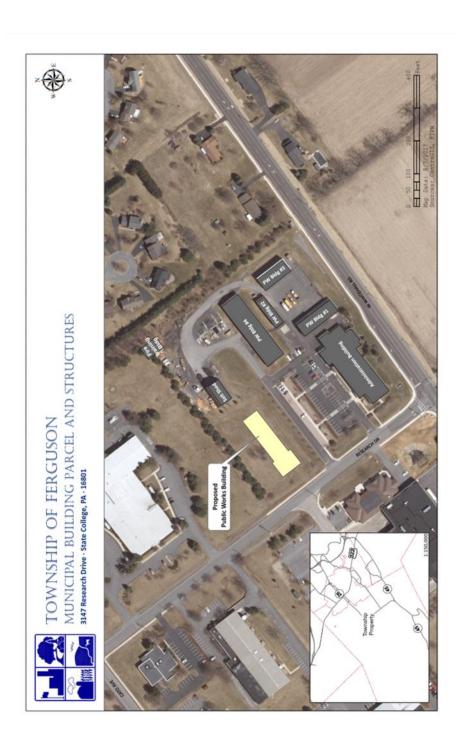
In 2017, funding wasset aside for the architectural and engineering fees to design a new LEED Gold Public Works building.. Some of these design expenses are expected to carry over to 2018.

In 2018, the CIP includes the construction of this new building, expected to be approximately 9,000 square feet including truck lifts, truck mechanic bays, storage, offices, break room and showers, bathrooms, and a truck wash facility. Square foot costs for such a building can vary from \$75/SF to \$350/SF depending on amenities, code requirements, LEED requirements. location and construction type. The budget includes \$250/SF for a new 60' x 150' building constructed of steel frames on concrete footers, metal trusses, concrete slab on grade, painted steel roof, architectural block, brick and metal siding and fitted up as a public works garage described above. This new building should serve the needs of the Public Works Department well into the future. Slight remodeling of Public Works Building 1 could allow the Police Department to make better use of this existing building for vehicle maintenance and equipment storage. In recent years, the Township has hired additional road workers and an arborist to better serve the needs of the growing Township. In addition, the acquisition of one man leaf collectors, brush grappler truck, and other equipment requires maintenance and storage. Currently, gross truck washing occurs outside on a stone pit and detailed washing occurs inside buildings with narrow slotted floor drains. The new building will be better suited for vehicle washing. The new building can also provide separate facilities such as locker rooms, bathrooms, and showers for men and women. As noted above, the building will be designed and operated to meet LEED requirements (Gold) and consideration will be given to roof top solar arrays. The site plan will also depict a new fuel island with canopy The CIP does include a dual electric vehicle charging station to accommodate future Township owned electric vehicles. The plan will show any required additional parking and any upgrades to the stormwater management plan. This initiative is consistent with goal numbers 4) Environmental Stewardship, 5) Best Management Practices. 7) Promotion of Clean Renewable Energy of the Strategic Plan.

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Also in 2018, the Public Works Department suggests funding the design and installation of a ground mounted solar array at 3147 Research Drive to offset electric costs consistent with goal 7 of the Strategic Plan - Promotion of Clean Renewable Energy

The below map of the Township property at 3147 Research Drive shows existing buildings and and one proposed location for the new public works facility. The architect and site design engineer will evaluate alternate locations on site for consideration.



The Public Works Department requests the following buildings and grounds items for this planning period.

| FERGUSON TOWNSHIP | | | | | | | | |
|--|-------|-----------|------------|-----------|---------|--|--|--|
| 2018 – 2022 CIP CAPITAL EQUIPMENT DETAIL-CASH BASIS | | | | | | | | |
| BUILDINGS & GROUNDS | | | | | | | | |
| 30.400.409.750 | | | | | | | | |
| Description | Year | Expense | Grants | Loans | Cash | | | |
| Feasibilty study for new fire station | 2018 | 25,000 | | | 25,000 | | | |
| Dual electric vehicle charging station | 2018 | 5,250 | | | 5,250 | | | |
| Design and install solar panels at township building | 2018 | 250,000 | | | 250,000 | | | |
| Site work, utilities, parking for new PW garage | 2018 | 125,000 | | | 125,000 | | | |
| New PW maintenance facility | 2018 | 2,250,000 | | 2,250,000 | 0 | | | |
| Renovate PW building 1 | 2018 | 50,000 | | , | 50,000 | | | |
| New fuel pumps, island, canopy, tanks | 2018 | 300,000 | | 300,000 | 0 | | | |
| 100K generator upgrade | 2018 | 60,000 | | | 60,000 | | | |
| Fitness Equipment | 2018 | 2,000 | | | 2,000 | | | |
| Renovate administrative space | 2018 | 500,000 | | 500,000 | 0 | | | |
| Land purchase for new fire station | 2019 | 80,000 | | | 80,000 | | | |
| Land Lease/Purchase for Brush/Leaf Composting 10% | 2018 | 8,000 | | | 8,000 | | | |
| Land Lease/Purchase for Brush/Leaf Composting 90% | 2019 | 72,000 | | | 72,000 | | | |
| Design and install solar panels PW building 3 | 2019 | 75,000 | | | 75,000 | | | |
| Fitness Equipment | 2019 | 2,000 | | | 2,000 | | | |
| Design and install solar panels PW building 4 | 2020 | 75,000 | | | 75,000 | | | |
| Fitness Equipment | 2020 | 2,000 | | | 2,000 | | | |
| New Fire Station | 2021 | 2,500,000 | | 2,500,000 | 0 | | | |
| Fitness Equipment | 2021 | 2,000 | | | 2,000 | | | |
| Fitness Equipment | 2022 | 2,000 | | | 2,000 | | | |
| | | | | | | | | |
| Total | | 6,385,250 | 0 | 5,550,000 | 835,250 | | | |
| | | E | (PENDITURE | S | | | | |
| Subtotals by Year | 2018 | 3,575,250 | 0 | 3,050,000 | 525,250 | | | |
| | 2019 | 229,000 | 0 | 0 | 229,000 | | | |
| | 2020 | 77,000 | 0 | 0 | 77,000 | | | |
| | 2021 | 2,502,000 | 0 | 2,500,000 | 2,000 | | | |
| | 2022 | 2,000 | 0 | 0 | 2,000 | | | |
| | Total | 6 205 250 | 0 | E EE0 000 | 925 250 | | | |

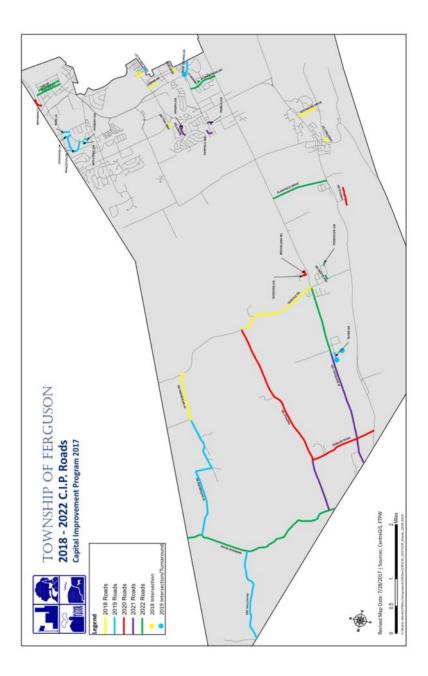
The Township established a Buildings & Grounds sinking fund for replacement of major equipment. The proposed sinking fund activity is included in the following chart.

The sinking fund was set up after the township building was renovated in 2007 to save for the future replacement of building systems such as HVAC, roof, doors, fixtures.

| FERGUSON TOWNSHIP | | | | | | | | |
|---|------------|-----------------|----------------------------|---------|--|--|--|--|
| 2018 – 2022 CIP CAPITAL EQUIPMENT DETAIL-CASH BASIS | | | | | | | | |
| BUILDING EQUIPMENT SINKING FUND | | | | | | | | |
| 30.4 | 00.409.760 | | | | | | | |
| Description | Year | Additions | Deductions | Balance | | | | |
| Beginning Balance | 2017 | | | 226,800 | | | | |
| Annual Sinking Fund Contribution | 2018 | 47.480 | | 274,280 | | | | |
| Paint exterior stucco Administration Building | 2018 | included in blo | lg renovation | 274,280 | | | | |
| Upgrade exterior lighting | 2018 | included in blo | ncluded in bldg renovation | | | | | |
| Annual Sinking Fund Contribution | 2019 | 49,850 | | 324,130 | | | | |
| Camera system upgrades | 2019 | | 5,500 | 318,630 | | | | |
| Rooftop HVAC police | 2019 | included in blo | g renovation | 318,630 | | | | |
| Water heater & softener | 2019 | | 12,130 | 306,500 | | | | |
| Annual Sinking Fund Contribution | 2020 | 52,345 | | 358,845 | | | | |
| Replace Computer room halon fire suppression | 2020 | | 8,100 | 350,745 | | | | |
| Annual Sinking Fund Contribution | 2021 | 54,960 | | 405,705 | | | | |
| Annual Sinking Fund Contribution | 2022 | 57,710 | | 463,415 | | | | |
| Replace steel doors (10) | 2021 | | 24,310 | 439,105 | | | | |
| Replace fire protection alarm panel | 2022 | | 12,760 | 426.345 | | | | |
| Total | | 262,345 | 62,800 | | | | | |
| | | | | | | | | |
| Subtotals by Year | | EXPEND | ITURES | | | | | |
| | | 2018 | 0 | | | | | |
| | | 2019 | 17,630 | | | | | |
| | | 2020 | 8,100 | | | | | |
| | | 2021 | 24,310 | | | | | |
| | | 2022 | 12,760 | | | | | |
| | | Total | 62,800 | | | | | |

ROAD PROJECTS

Road improvement projects make up the bulk of the capital expenditures for the Township. For the term of this CIP, road projects total \$13.6 Million or 57.8% of the Capital Expenditures for All Funds. The map below depicts the various roadwork that that township is planning to undertake during the term of this capital plan.



The following table portrays the various road projects during the term of the CIP. Detailed information is including in the appendix for your review. Following the road table is a detail of certain projects that are being funded with grant money.

| | | | SON TOWN | | | | | |
|-----------|--------|---|------------------------------------|-------------------|--------------|--------------|--------------------|-------------------|
| | | 2018 – 2022 CIP CAPITAL | | | | <u>IS</u> | | |
| FUND | CAT | PUBLIC WOR | 2018 | 2019 | 2020 | 2021 | 2022 | TOTAL |
| R=road, | | rmwater, B=bicycle, O=other | 2010 | 2010 | 2020 | 2021 | 2022 | TOTAL |
| LF | R | ADA Curb Ramp Replacements | 86,000 | 92,000 | 98,000 | 105,000 | 112,000 | 493,000 |
| TIF | R | ADA Handicap Ramps | 19,000 | 28,000 | | 18,000 | 79,000 | 144,000 |
| TIF | R | Appletree Circle | | 34,000 | | | | 34,000 |
| TIF | R | Aveberry Circle | | 45,000 | | | | 45,000 |
| TIF | R B | Bergman Court Bikepath feasibility study Atherton and Blue Course | 25,000 | | 92,000 | | | 92,000 25,000 |
| TIF | В | Bikepath signs Marjorie Mae park to Suburban Park | 2,500 | | | | | 2,500 |
| | | Bikepaths & Parking lot pavement repair, sealcoating line | | | | | | |
| TIF | R | striping | included in Nor | n Capital Items | | | | (|
| TIF | R | Blade Drive | | 60,000 | | | | 60,000 |
| TIF | R | Blue Course Drive | | 105,000 | | | | 105,000 |
| TIF | R | Brooklawn Road | | | 34,000 | | | 34,000 |
| TIF | R | Corl Street/West College Signal | 359,400 | | 007.000 | | | 359,400 |
| TIF | R R | Deibler Road | | 36,000 | 307,000 | | | 307,000 |
| TIF | R | Dogwood Circle Dry Hollow Road | | 96,000 | | | | 36,000 96,000 |
| TIF | R | East Chestnut Street | 31,000 | 90,000 | | | | 31,000 |
| TIF | R | Fairfield Circle | 0.,000 | | | 39,000 | | 39,000 |
| TIF | R | Goddard Circle | | | 64,000 | ,3 | | 64,000 |
| TIF | R | Harold Drive | | | 83,000 | | | 83,000 |
| TIF | R | Highland Alley | | 32,000 | | | | 32,000 |
| TIF | D | Reline CMP pipes various places | 688,000 | 496,000 | 348,000 | 597,000 | 382,000 | 2,511,000 |
| TIF | R | Linn Street | | | | | 108,000 | 108,000 |
| TIF | R | Manor Court | | | | | 16,000 | 16,000 |
| TIF LF | R R | Marengo Road Microsurfacing | 235.000 | 252,000 | 270,000 | 288.000 | 231,000 309.000 | 231,000 |
| CR | D | MS4 Cheasapeake Bay Pollutant Reduction Project | 214,000 | 229,000 | 245,000 | 262,000 | 281,000 | 1,231,000 |
| TIF | R | Muncy Road | 214,000 | 223,000 | 240,000 | 55,000 | 201,000 | 55,000 |
| TIF | R | Myrtle Drive | 22,000 | | | | | 22,000 |
| TIF | R | New Traffic Light Blue Course & Bristol | ,,,,, | 401,000 | | | | 401,000 |
| TIF | R | North Allen Street | | | | | 123,000 | 123,000 |
| TIF | R | Oak Glenn Road | | | | | 21,000 | 21,000 |
| TIF | R | Old Gatesburg Road and Science Park Road left turn | 20,000 | | | | | 20,000 |
| TIF | R | arrows Owens Drive | 43,000 | | | | | 43,000 |
| TIF | R | Pamela Circle | 43,000 | | | 31,000 | | 31,000 |
| CR | D | Park Hills Drainage | 54,000 | 171,000 | 322,000 | 270,000 | | 817,000 |
| TIF | R | Park Lane | 1 .,,,,,,, | 58,000 | 5,555 | | | 58,000 |
| LF | 0 | Pavement Markings | included in Nor | Capital Items | | | | (|
| TIF | R | Plainfield Road | | | | | 275,000 | 275,000 |
| TIF | R | Princeton Drive | | 183,000 | | | | 183,000 |
| TIF | D | Repair Stormwater inlets & replace tops | 9,000 | 32,000 | | 31,000 | 53,000 | 125,000 |
| TIF | R | Replace concrete curbs | 46,000 | 68,000 | | 128,000 | | 242,000 |
| LF LF | R | Road Materials Road Salt | included in Nor included in Nor | | | | | (|
| TIF | R | Rosewood Court | included in Noi | i Capitai iterris | | | 21,000 | 21,000 |
| TIF | R | Sandra Circle | | | | 15,000 | 21,000 | 15,000 |
| CR | R | Sidewalk on Teaberry Lane | 44,000 | | | .0,000 | | 44,000 |
| TIF | R | Stonebridge Drive | 1,.50 | | | | 123,000 | 123,000 |
| TIF | R | Sycamore Drive | 471,000 | | | | | 471,000 |
| TIF | R | Tadpole Road | 656,000 | | 179,000 | 68,000 | | 903,000 |
| TIF | R | Timothy Lane | | 17,000 | | | | 17,000 |
| TIF | R | Traffic Signal Minor Capital Improvement | | 23,000 | 25,000 | 26,000 | 28,000 | 102,000 |
| TIF | R | Transit Study Blue Course Drive & North Atherton | 75,000 | | | | | 75,000 |
| TIF | R | Traffic Signal Performance Metrics (ARLE) | 639,900 | 47.000 | | | | 639,900 |
| TIF | R R | West Blade Road Turnaround West Gatesburg Road | 11,000 385,000 | 17,000 152,000 | | | | 28,000 537,000 |
| TIF | R | West Whitehall Road | 363,000 | 132,000 | | 427,000 | 286,000 | 713,000 |
| | | | | | | ,,000 | _55,550 | . 10,000 |
| | | Total | 4,135,800 | 2,627,000 | 2,067,000 | 2,360,000 | 2,448,000 | 13,637,800 |
| | | | | | | | | |
| | | EXPEN | DITURES BY F | | | | | |
| CR | D | | 268,000 | 400,000 | 567,000 | 532,000 | 281,000 | 2,048,000 |
| CR | R | | 44,000 | 0 | 0 | 0 | 0 | 44,000 |
| TIF | В | | 27,500 | 0 | 0 | 0 | 0 | 27,500 |
| TIF | D | | 697,000 | 528,000 | 348,000 | 628,000 | 435,000 | 2,636,000 |
| TIF LF | R | | 2,778,300 | 1,355,000 | 784,000 | 807,000 | 1,311,000 | 7,035,300 |
| LF | R | | 321,000 0 | 344,000 0 | 368,000 0 | 393,000 0 | 421,000 0 | 1,847,000 |
| ы | 0 | | " | U | U | U | U | (|
| | | | | | | | | |

Cheasapeake Bay Pollution Reduction Plan (CBPRP)

A condition of the Township's NPDES MS4 permit is the completion of a CBRP. As such, new pollution reduction requirements will be required and a specific plan developed showing how pollutant loads to the Chesapeake Bay will be reduced by specific projects. The plan must also show pollutant reduction to impaired waterways (Slab Cabin Run and Spruce Creek). The Pollutant Reduction Plan is being prepared on a regional basis with projects developed for each municipality. The CIP includes funding in each year to design, acquire right of way, and construct stream channel restoration projects as required by the above.

In 2017 the Township solicited requests and received proposals to conduct a stormwater fee feasibility study (SFFS). If implemented, a stormwater fee can be used to fund stormwater improvement projects, staff and comply with MS4 requirements, replace failing stormwater infrastrucre, address flooding, stormwater basin maintenance, and acquire land for passive stormwater management.

The CBPRP and SFFS are consistent with goals 1) Financial Stability, 4) Environmental Stewardship, 5) Best Management Practices for Operations, 6) Increase Participatory Government, and 9) Partnerships and Regional Thinking of the Strategic Plan.

Road Improvements by Contract:

Typically, each year all roadways in the Township are inspected and the condition assessed and documented in the form of a pavement inspection report. This report is utilized by the Public Works Director to prioritize capital road improvements including paving and determine appropriate roadways for road surface preservation techniques such as microsurfacing. In 2017, the Public Works Department utilized Paver software to assess road conditions..

Microsurfacing is a cold-mix paving system; it is not a hot-mix paving as is applied asphalt pavement. The material consists of small aggregate, asphalt emulsion, water and mineral fillers, and is generally applied in a 3/8" thick layer. A durable asphalt seal is applied to roads that have begun to show signs of aging and minor distress. By retarding the surface's natural breakdown, this process extends the pavement's lifespan approximately seven years. Microsurfacing adds no structural value to the pavement, and therefore, roadways that have deteriorated beyond a certain point are generally not good candidates for this process.

Candidates for paving are listed as line items in the CIP. Due to the specialized equipment used in paving operations, large paving projects are competitively bid. Some small paving projects on low volume roads are self-performed by FTPW with rented equipment. Often these small paving projects can be done cost effectively in house due to the mobilization costs and low economy of scale for a contractor for such small projects. It is also beneficial for the road crew to keep and enhance paving skills.

The CIP lists roads proposed for capital improvements, namely base repair by FTPW and a new asphalt wearing surface by contract. In some cases the existing asphalt surface will be milled off, and in some cases the existing surface will be overlaid. Budget pricing is based on historical costs for the township and estimated by the linear foot (prior to bidding, a detailed engineering estimate is prepared for each project). For example, cold in place recycling with an asphalt overlay of a 26 foot wide residential street in 2018 is estimated to cost \$80/linear foot. Other

activities such as sign installation, mail box replacement or resetting, topsoil or shoulder backup, and seed and soil supplements cold result in additional costs. Additional costs are included in the CIP for storm pipe, curb, or sidewalk ramps as needed. These additional costs are reflected either in the linear foot price for the roadway in the CIP or as separate line items. Additional costs are incurred if residential driveway aprons are paved as part of a capital project.

Storm Pipe Improvements

Prior to a roadway being overlaid with new asphalt, the condition of the inlets and storm pipe is assessed either visually or by remote controlled camera. The CIP reflects any anticipated costs due to inlet and storm pipe replacement. New inlets set in place can cost \$3,000 each, less if just the top is being replaced. The cost of storm pipe replacement varies based on the length of pipe to be replaced, diameter of the pipe, the type of pipe material, and other work associated with the storm pipe replacement such as other utility relocation costs and if the above curb or sidewalk needs replaced. A typical 18 inch diameter high density polyethylene (HDPE) pipe installed will add about \$75/linear foot to the project cost plus roadway and curb restoration. Sturctural lining of an old corrogated 18 diameter pipe could cost \$100/linear foot..

Americans with Disability Act (ADA) Handicap Accessibility Sidewalk Intersection Ramp Improvements

In accordance with federal and state regulations, sidewalk intersection ramps are upgraded to current ADA standards. These upgrades are required whenever a road is paved or microsurfaced.

For roads to be paved, the concrete work is included in the CIP as a line item. The cost varies for each ramp depending on the existing grades and number of sidewalk blocks that need to be removed to reconstruct the ramp to the proper grades. \$3,745 is budgeted for each ramp that needs to be replaced. Truncated domes are required at these crossings. The Township Engineer may determine that it is technically infeasible to upgrade some ramps.

Traffic Signals:

Automated Red Light Enforcement (ARLE) Grant – Traffic Signal Optimization Project

Through ARLE, the Township will receive \$498,000 to improve performance and communication at all 20 of our traffic signals. The new system will monitor real-time traffic in the Township and staff will be better equipped to fine-tune the signals to changing traffic demands.

Green Light Go (GLG) Grant – West College Ave/Corl Street Pedestrian Accessibility Upgrade

Through Green Light-Go, the Township will be awarded \$176,084 to upgrade the traffic signal at the intersection of West College Avenue and Corl Street. The upgrades include full pedestrian movements, which are currently limited. This project will tie into the Township's Streetscape Project constructed in 2017 which will help make pedestrian traffic safer.

Green Light Go (GLG) Grant – Traffic signal vehicle detection upgrade

The Township will be awarded \$80,000 to upgrade a number of traffic signals to digital radar vehicle detection replacing ground loops or video detection making the signal operations more realible.

PUBLIC WORKS EQUIPMENT

The following charts depict the capital equipment requested by Public Works Department during the term of the capital plan. Public Works equipment requests total \$2.39 Million or 21.4% of the Capital Reserve Fund Requests.

Each year a condition report is generated by the mechanic and road superintendent to assist with preparation of the equipment CIP. Based on the condition report and historical useful life of similar equipment, the CIP is prepared. The equipment fleet comprised of vehicles over \$25,000 has an estimated 2015 value of \$1,835,000. The annual straight line cost using the useful life of each piece of equipment is estimated at \$276,511 and is the basis of the Public Works Capital Fund Appropriation request. In addition to equipment replacement requests from the above fund, certain other equipment is requested.

New to the CIP is a request by Public Works in 2018 to fund the design and installation of a pilot project to install solar panels to supply energy to run the traffic signal and overhead LED luminaires at the intersection of Research Drive and Whitehall Road. In 2017 the Township participated in the Penn State University Sustainable Communities Collaborative. A student group of the EEG 437 class conducted a preliminary solar assessment and staff began discussions with a design consultant regarding the feasability and cost to power traffic signals with solar power. This initiative is consistent with certain goals of the Strategic Plan.

New Equipment/Vehicles or Replacement Equipment/Vehicles under \$25,000

| FERGUSON TOWNSHIP | | | | | | | |
|---|---------|--------|--------|--------|--------|---------|--|
| 2018 – 2022 CIP CAPITAL EQUIPMENT DETAIL-CASH BASIS | | | | | | | |
| NEW EQUIPMENT PUBLIC WORKS | | | | | | | |
| 30.400.430.750 | | | | | | | |
| Description | 2018 | 2019 | 2020 | 2021 | 2022 | Total | |
| | | | | | | | |
| Portable concrete mixer | 2,630 | | | | | 2,630 | |
| Restistograph for tree health | 5,120 | | | | | 5,120 | |
| Structural pallet rack for building number 4 | 3,000 | | | | | 3,000 | |
| Traffic signal solar pilot project | 6,300 | | | | | 6,300 | |
| Model 1800 conveyor extension | 2,970 | | | | | 2,970 | |
| Traffic signal LED replacements | 5,510 | 5,790 | 6,070 | 6,380 | 6,700 | 30,450 | |
| Replace 2003 variable message sign | 21,000 | 22,050 | | | | 43,050 | |
| Pedestrian push button upgrades | 5,510 | 5,790 | 6,070 | 6,380 | 6,700 | 30,450 | |
| Replace 2012 Kubota zero turn mower | | 9,590 | | | | 9,590 | |
| New wing plow for loader for drifts | 39,360 | | | | | 39,360 | |
| Fuel efficient vehicle for engineering | 34,650 | | | | | 34,650 | |
| Trimble R1 GNSS receiver with RTX | | 3,460 | | | | 3,460 | |
| UPS backup and signal cabinet modifications | | | | | | | |
| (College/Corl) | | | | 20,000 | 20,000 | 40,000 | |
| | | | | | | | |
| Total | 126,050 | 46,680 | 12,140 | 32,760 | 33,400 | 251,030 | |

Replacement Equipment

Public Works has a separate bank account for equipment greater than \$25,000 original cost. The account activity and balance are included in the following table. The funding is based on estimated current costs and inflated annually by 5%. The costs do not reflect any trade in value or sale value of the existing equipment, which could be substantial. The sale amounts are recorded as revenue in the capital reserve fund.

The details of the expenditures out of the sinking fund are itemized below.

| 2018 – 2022 CIP CAPITAL PUBLIC WORKS E | • - | ENT DETA | | 33,600 36,750 | Balance 461,000 781,700 748,100 |
|--|----------------|--------------------------------------|-------------------|------------------|--|
| PUBLIC WORKS E 3 Description Beginning Balance 12/31/2017 Annual Sinking Fund Contribution Replace 1997 Chausses asphalt patch trailer Replace 1995 Chevy pickup truck Refurbish 2008 one person leaf collector | 21 23 10 | Year 2018 2018 2018 2018 2018 2018 | G FUND Additions | 33,600 36,750 | 461,000 781,700 748,100 |
| Description Beginning Balance 12/31/2017 Annual Sinking Fund Contribution Replace 1997 Chausses asphalt patch trailer Replace 1995 Chevy pickup truck Refurbish 2008 one person leaf collector | 21 23 10 | 2018 2018 2018 2018 2018 | Additions | 33,600 36,750 | 461,000 781,700 748,100 |
| Beginning Balance 12/31/2017 Annual Sinking Fund Contribution Replace 1997 Chausses asphalt patch trailer Replace 1995 Chevy pickup truck Refurbish 2008 one person leaf collector | 21 23 10 | 2018 2018 2018 2018 2018 | | 33,600 36,750 | 461,000 781,700 748,100 |
| Annual Sinking Fund Contribution Replace 1997 Chausses asphalt patch trailer Replace 1995 Chevy pickup truck Refurbish 2008 one person leaf collector | 23 10 | 2018 2018 2018 | 320,700 | 33,600 36,750 | 781,700 748,100 |
| Annual Sinking Fund Contribution Replace 1997 Chausses asphalt patch trailer Replace 1995 Chevy pickup truck Refurbish 2008 one person leaf collector | 23 10 | 2018 2018 2018 | 320,700 | 33,600 36,750 | 781,700 748,100 |
| Replace 1997 Chausses asphalt patch trailer Replace 1995 Chevy pickup truck Refurbish 2008 one person leaf collector | 23 10 | 2018 2018 2018 | 320,700 | 33,600 36,750 | 748,100 |
| Replace 1995 Chevy pickup truck Refurbish 2008 one person leaf collector | 23 10 | 2018 2018 | | 36,750 | · |
| Refurbish 2008 one person leaf collector | 10 | 2018 | | | |
| | | | | | 711,350 |
| Replace 2003 single axle with a tandem axle | 15 | 2018 | | 89,120 | 622,230 |
| 1 topiaco 2000 sirigio anie with a tandeni anie | | | | 221,830 | 400,400 |
| Annual Sinking Fund Contribution | | 2019 | 336,700 | | 737,100 |
| Replace 2003 F350 sign truck | 16 | 2019 | | 93,700 | 643,400 |
| Annual Sinking Fund Contribution | | 2020 | 353,500 | | 996,900 |
| Replace 2004 Vermeer brush chipper | 15 | 2019 | | 71,660 | 925,240 |
| Replace 2001 F550 plow truck | 18 | 2019 | | 104,740 | 820,500 |
| Replace 2009 Tymco street sweeper | 10 | 2019 | | 319,730 | 500,770 |
| Annual Sinking Fund Contribution | | 2021 | 371,200 | , | 871,970 |
| Replace 1997 Bomag roller | 23 | 2020 | , | 55,570 | 816,400 |
| Replace 1997 towmaster trailer | 23 | 2020 | | 10,420 | 805,980 |
| Replace 2007 Caterpillar skid steer loader | 13 | 2020 | | 127,340 | 678,640 |
| Annual Sinking Fund Contribution | | 2022 | 371,200 | , | 1,049,840 |
| Replace 2006 International single axle | 15 | 2021 | 0,200 | 230,950 | 818,890 |
| Replace 2001 Caterpillar backhoe | 20 | 2021 | | 158,020 | 660,870 |
| Replace 2002 Interstate trailer | 19 | 2021 | | 35,250 | 625,620 |
| Replace 2004 bucket truck | 18 | 2022 | | 159,540 | 466,080 |
| Replace 2007 plow truck | 15 | 2022 | | 242,500 | 223,580 |
| Replace 2011 T-tag plow truck | 11 | 2022 | | 153,150 | 70,430 |
| Neplace 2011 1-tag plow truck | 11 | 2022 | | 133,130 | 70,430 |
| | | | | | , |
| Total | | | 1,753,300 | 2,143,870 | |
| | | | | | |
| Subtotals by Year | | | EXPEND | ITURES | |
| , | | | 2018 | 381.300 | |
| | | | 2019 | 589,830 | |
| | | | 2020 | 193,330 | |
| | | | 2021 | 424,220 | |
| | | | 2022 | 555,190 | |
| | | | 2022 | 333,130 | |
| | | | Total | 2,143,870 | |

PARKS AND RECREATION

The proposed five-year Capital Improvement Program Budget for Parks and Recreation (not including CRCOG) totals \$1.32 million or 11.8% of the Capital Reserve Fund Requests. The following projects are recommended to be included in the upcoming five years of the CIP.

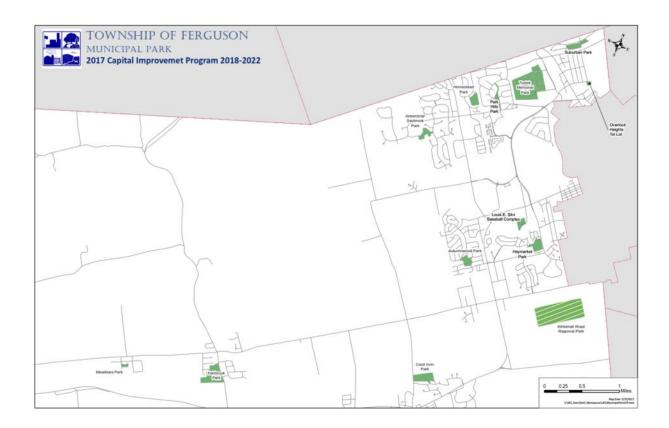
These projects represent the park improvements to meet the growing needs of the township's residents and are consistent with the Township's Recreation, Parks and Open Space Plan and each of the parks' master plans. The projects are proposed to be paid for through grant funds, parkland fee-in-lieu funds and general funds. It should be noted that the township is a partner in the Centre Region Parks and Recreation, Centre Region Parks and Recreation Authority, and in the various regional programs offered by the CRCOG. Long-term debt has been issued to renovate and expand the two regional pools and, therefore, that cost is now incorporated into the township's annual operating costs.

Three regional parks are also part of the regional parks program. Development of those parks has not been finalized. This CIP incorporates the annual capital costs to the township until financing has been finalized among the partnering municipalities. Total projected costs are of total capital expenditures plus the additional financing costs for the pools and parks.

Expenditures for Parks and Recreation have increased significantly over the past 10 years. Much of this increase in costs is associated with the development of three regional parks and the redevelopment of two regional aquatic facilities. At the municipal level, park development in accordance with approved master plans is extremely costly and many times relies upon additional grant funding.

Some of the related costs for these planned improvements may be offset by developer contributions to the parkland fee in lieu fund thus avoiding more impact on the General Fund. Nevertheless, funding for the second phases of development of the three regional parks has not yet been agreed to and could be a cost not factored into the projects found in this budget.

The 2018-2022 CIP includes two park master plans updates. Suburban Park master plan is recommended for updating due to the relocation of sanitary sewer lines and the opportunity to study and define the flood plain through the park. Fairbrook Park master plan is also recommneded to be updated with the purpose of repurposing some of the turf mantained areas to low maintenance no mow areas and pollenator areas.



Strategic Plan Alignment

The Capital Improvement Plan seeks to advance the goals, objectives, and action steps as outlined in the Ferguson Township Strategic Plan. Over the next five years, several of the Strategic Plan items will be accomplished through the proposed expenditures in the Capital Improvement Plan.

⊘Objective 10.1: Promote environmental and social stewardship in parkland development.

| FERGUSON TOWNSHIP | | | | | | | |
|---|--------------|-----------|--|--|----------------------------------|------|--------|
| 2018 – 2022 CIP CAPITAL EQUIPMENT DETAIL-CASH BASIS PARKS & RECREATION 30.400.452.750 | | | | | | | |
| | | | | | Description | Year | Amount |
| | | | | | Suburban Park Master Plan update | 2018 | 35,000 |
| Teener League field upgrades (carryover from 2017) | 2018 | 104,000 | | | | | |
| Tudek Park Barn Roof/Barn Doors Replacement | 2018 | 38,000 | | | | | |
| Tudek Park Phase 3a | 2018 | 266,000 | | | | | |
| Drinking Fountain Replacements | 2018 | 10,000 | | | | | |
| Playground Safety & Updates | 2018 | 36,900 | | | | | |
| Playground Safety & Updates | 2019 | 37,500 | | | | | |
| Cecil Irvin Park (gross) | 2019 | 200,000 | | | | | |
| Fairbrook Park Master Plan Update | 2019 | 22,500 | | | | | |
| Blue Course Drive Passive Recreation | 2020 | 50,000 | | | | | |
| Suburban Park Improvements | 2020 | 200.000 | | | | | |
| Tudek Farmhouse Roof Replacement | 2020 | 7.000 | | | | | |
| Park Amenities | 2020 | 14,000 | | | | | |
| Homestead Park Play Equipment | 2021 | 65.000 | | | | | |
| Havmarket Park Restroom Facilities | 2021 | 235.000 | | | | | |
| Total | | 1,320,900 | | | | | |
| | | | | | | | |
| Subtotals by Year | EXPENDITURES | | | | | | |
| | 2018 | 489,900 | | | | | |
| | 2019 | 260,000 | | | | | |
| | 2020 | 271,000 | | | | | |
| | 2021 | 300,000 | | | | | |
| | 2022 | 0 | | | | | |
| | | | | | | | |

| 2018 | |
|----------------------------------|----------|
| Suburban Park Master Plan Update | \$35,000 |

Total

1,320,900

This item has been carried forward from 2017. The relocation of sewer lines by the University Area Joint Authority has initiated a conversation about potential enhancements to the park that could result in nitrogen and phosphorus credits to meet state pollutant reduction requirements. There is also a floodplain in the park that was not considered during the original master plan process. These considerations would necessitate a revised master plan prior to further development of the park.

| - | Tudek Barn Roof Replacement/Replace Barn Doors | \$38,000 |
|---|--|----------|
| | radek Barri Koor Kepiacement Kepiace Barri Boors | ψ50,000 |

The barn roof at the park should be evaluated. This is a metal roof that has been sealed once in the past 15 years. The actual age of the roof is unknown. The evaluation will provide the

Township will information on the need and timing of replacing the roof. While this is occuring, the barn doors should also be replaced.

Tudek Park Phase 3a \$266,000

Completion of Tudek Phase 3a includes the construction of two basketball courts, complete sidewalk connections, paving of the remainder of the parking lot, and the installation of landscaping. Phase 3a is located in the area just south of Herman Drive.

Drinking Fountain Replacements

\$10.000

Placement of drinking fountains at township parks began nearly 20 years ago as new parks were developed and older parks refurbished. A replacement program is suggested since some of the fountains are older and parts not available. The replacement program would affect 6 parks and cost spread out over 3 years. Included in the cost is the fountain, concrete and some underground plumbing. This item would replace drinking fountains at Park Hills Park and Homestead Park.

Playground Safety & Update Program

\$36,900

To provide for equipment upgrades and replacements in order to meet playground safety standards.

2019

Tom Tudek Memorial Park Waterline Upgrade and Fountain Replacement on Restroom Building

\$45,210

The restroom building at the Tom Tudek Memorial Park is heavily used during the spring, summer and fall. Since construction, the restrooms have experienced a problem with the water pressure and volume available to operate the toilet facilities. An upsizing of the water line is the only solution. This project would be combined with the replacement of the drinking fountain located on the exterior of the restroom facility.

Playground Safety & Update Program

\$37,500

To provide for equipment upgrades and replacements in order to meet playground safety standards.

Cecil Irvin Park - Phase II

\$200,000

Continued park improvements in accordance with the park master plan. The township is seeking \$100,000 funding assistance from DCNR.

Fairbrook Park Master Plan Update

\$22,500

Fairbrook Park is a 23-acre public facility with playing fields, play areas, picnic facilities, perimeter walking path, hard court and parking facilities. The park offers an opportunity to convert some of the highly maintained turf areas to low maintenance as no mow or pollinator areas. A revised master plan would evaluate the areas of the park for conversion as well as consider improving amenities.

2020

Blue Course Drive Property – Passive Recreation

\$50,000

In 2016, the Township acquired 9 acres of property identified as Natural Area Conservation on the 2008 Ferguson Township Official Map. While no active recreational amenities are recommended on this site due to its unique infiltration properties, passive amenities such as hiking and biking trails are recommended to provide an enjoyable wooded area to recreate in an otherwise urbanized environment.

Suburban Park Improvements

\$200,000

Based on the updated master plan, it is anticipated that the baseball field may be relocated and new playground equipment installed. The current field fencing was installed in the late 1970s. The baseball field is used by the State College Little League and the State College Pony League.

Tudek Farmhouse Roof Replacement

\$7,000

The farmhouse is need of a roof. This will be funded through the Tudek Trust Fund.

Park Amenities

\$14,000

Install or replace benches, trash containers, grills, dog waste stations

2021

Homestead Park Play Equipment

\$65.000

The Parks and Recreation Department is recommending updating and adding age appropriate play equipment and installation by a certified installer.

Haymarket Park Restroom Facilities

\$235,000

The master plan for Haymarket Park includes construction of restroom facilities. This park is a highly-used, centralized park. Currently, the only township park where permanent restroom facilities are constructed is at Tom Tudek Memorial Park.

2022

Nothing budgeted for current year