City of Walla Walla
Development Services

Capital Facilities Plan
Staff Report to Planning Commission
CPA-20-0002

I. GENERAL INFORMATION:

Applicant: City of Walla Walla
55 E Moore Street
Walla Walla, WA 99362

Project Description: Amending the six year Capital Facilities Plan, 2021-2026, which identifies a list and schedule of potential capital expenditures for City Facilities.

Proposed Location: The Capital Facilities Plan applies city wide.

Parcel Number: N/A; not a site specific proposal

II. SEPA STATUS:

The City of Walla Walla hereby incorporates the Comprehensive Plan Update – Walla Walla 2040 Environmental Impact Statement issued May 22, 2018, in this matter as the environmental documents used to meet the City's responsibilities under SEPA pursuant to WAC 197-11-635. The Comprehensive Plan Update – Walla Walla 2040 Environmental Impact Statement analyzes impacts associated with capital improvement projects to meet the growth needs of the city. With the City Service Center building closed to the public due to COVID-19 restrictions, such environmental documents may be reviewed by arrangement by contacting the Development Services Department at 509-524-4710 or visiting the city's website at https://www.wallawallawa.gov/government/development-services/comprehensive-long-range-planning.

III. FINDINGS OF FACT:

1. The six year capital facilities plan is amended annually and coincides with the city's budget adoption. Any new projects are identified in the plan and completed projects are removed.

2. A comprehensive plan amendment is a Level VI review under Walla Walla Municipal Code (WWMC) Chapter 20.30 which requires the Planning Commission to hold a public hearing and make a recommendation to the City Council. The City Council is the decision authority.

3. WWMC Section 20.30.040(A), Comprehensive Plan adoption/amendment criteria is as follows:

a. The city's action on a Comprehensive Plan adoption or amendment proposal shall be based on legislative findings upon whether or not the proposal conforms with Chapter 36.70A RCW.

4. The proposed six-year capital facilities plan is supported by the City of Walla Walla Comprehensive Plan as identified in the conclusion section of this staff report as required by RCW 30.70A.130.

5. The City of Walla Walla hereby incorporates the Comprehensive Plan Update – Walla Walla 2040 Environmental Impact Statement issued May 22, 2018, in this matter as the environmental documents used to meet the City's responsibilities under SEPA pursuant to WAC 197-11-635. The Comprehensive Plan Update – Walla Walla 2040 Environmental Impact Statement analyzes impacts associated with capital improvement projects to meet the growth needs of the city. With the City Service Center building closed to the public due to COVID-19 restrictions, such environmental documents may be reviewed by arrangement by contacting the Development Services Department at 509-524-4710 or visiting the city's website at https://www.wallawallawa.gov/government/development-services/comprehensive-long-range-planning.

6. A public hearing notice was issued on October 9, 2020 for the public hearing before the Planning Commission on the proposed six-year capital facilities plan. The hearing notice was posted on the City's website and published in the Union Bulletin.

7. Pursuant to RCW 36.70A.106, the proposed six-year capital facilities plan was sent to the Washington State Department of Commerce and other state agencies, as required. The City requested expedited review. As of the publication of this staff report, the City is waiting for the acknowledgement letter.

8. The following conclusions support the proposed six-year capital facilities plan, scheduled for the Planning Commission's November 2, 2020 public hearing with a staff recommendation of approval.

IV. CONCLUSIONS:

1. Pursuant to WWMC Chapter 20.30.040 the following applies:
   a. The city's action on a Comprehensive Plan adoption or amendment proposal shall be based on legislative findings upon whether or not the proposal conforms with Chapter 36.70A RCW.

Staff Analysis:

The proposed comprehensive plan amendment conforms to Chapter 36.70A RCW (applicable sections) as identified in the above finding of facts as well as the following:

- The proposal does not amend the City's urban growth area
- The proposal does not change the City's development regulations
- Walla Walla proposes to amend its comprehensive plan, specifically the six-year capital facilities plan, concurrently with the city's mid-year biennium budget adoption as permitted under RCW 36.70A.130(2)(a)(iv) and the guidance under WAC 365-196-415(2)(c)(ii).

- Ensuring public participation through the Planning Commission public hearing notice in the City's local paper and posted on the City's website.
- The proposed amendment is consistent with the Countywide Planning Policies as follows:
  - Paragraph 2.6.2.1, Overall Planning Goals, Goal 2: "The provision of adequate, appropriately timed infrastructure is necessary to provide the framework upon which development may take place. The costs of new infrastructure should be equitably borne by both current taxpayers and new development."
  - Paragraph 2.6.2.12, Fiscal Impact Policies, Policy 1: "Where capital improvement and land use plans involve lands within or adjacent to the UGA, the county and cities, individually and jointly, shall routinely conduct fiscal analysis which identifies the most cost effective means of providing and locating public services and infrastructure over the long term. This should be done through: 1) 6-year capital improvement plans showing infrastructure sized to accommodate build-out of service areas within the 20-year UGA; 2) construction, design and placement standards for roads, intersections, water, sewer, lights, etc.; and 3) build-out scenarios for schools, fire and police and projected demands."
  - Paragraph 2.6.2.12, Fiscal Impact Policies, Policy 2: "Each capital improvement plan should include: 1) a plan for cooperation between the public and private sectors to ensure coordination of those plans with emphasis on the effective provision of services at the adopted level of service concurrent with demand; 2) an inventory of existing capital facilities; and 3) an assessment of future needs."
- A capital facilities plan is a required comprehensive plan element pursuant to RCW 36.70A.070(3) and WAC 365-196-415. The minimum required is a six year plan that will finance such capital facilities within projected funding capabilities and the plan is to clearly identify sources of public money for such purposes. Furthermore, a capital facilities plan provides the ability to plan for, and budget for various programs and projects. The City's draft six-year capital facilities plan identifies various projects related to transportation, utilities, parks, and general city facilities. The City's 2021-2026 Capital Facilities Plan meets these requirements.
- In addition to the identified potential funding in the 2021-2026 Capital Facilities Plan, real estate excise taxes; capital facilities charges; utility rates; utility rate increases; utility connection charges; stormwater management charges; property taxes; sales taxes; lodging taxes, federal, state, and local grants; public works trust fund loans; other loans; franchise fees; local improvement districts; transportation benefit districts; impact fees; donations; gifts; charges; fees; rental payments; penalties; fines; insurance proceeds; intergovernmental contributions; in-kind contributions; city council authorized bonds; voter approved bonds; emergency medical services levy funds; and sources identified in the city's six year transportation improvement program (as amended), are identified as sources of public money for projects listed in the capital facilities plan.

The proposed comprehensive plan amendment, the proposed 2021-2026 Capital Facilities Plan, is consistent with the Walla Walla Comprehensive Plan, Walla Walla 2040 as follows:

Land Use Goal 1: Walla Walla grows in a responsible way that maintains or improves the quality of life for its residents.

LU Policy 1.1: Accommodate new residential and commercial development in areas with available infrastructure and services.

Land Use Goal 2: Walla Walla coordinates with neighboring communities and state agencies for the improvement of the region.

LU Policy 2.1: Coordinate City plans with the Countywide Planning Policies and regional polices of the Walla Walla Valley Metropolitan Planning Organization.

Economic Development Goal 2: Walla Walla has high quality infrastructure to support economic development.

ED Policy 2.1: Provide the infrastructure needed for businesses and industries to locate in Walla Walla, including utilities, transportation connections, and sustainable land capacity.

Parks and Recreation Goal 1: Walla Walla has a system of quality parks and recreational facilities that enhance the quality of life, develop economic opportunities, and meet the community's growing needs.

Transportation Goal 1: Promote and develop transportation systems that support and enhance the movement of people and goods to ensure a prosperous economy.

TP Policy 1.1: Improve safety for walking, biking, transit, motor vehicles, and freight at high collision locations identified through data-drive safety analysis.

TP Policy 1.3: Provide facilities for all modes of transportation.

Transportation Goal 4: Maintain, preserve, and extend the life of the City's transportation infrastructure.

TP Policy 4.1: Inventory and prioritize preservation of existing infrastructure (roads, bridges, traffic control devices, lighting, etc.).

Capital Facilities and Utilities Goal 1: Walla Walla's capital facilities and utilities are well maintained and up to date to meet the demands of growth and economic development.

CFU Policy 1.1: Maintain updated plans for the provisions of public utility services.

CFU Policy 1.2: Monitor all public and private water systems; regularly maintain public systems.

Capital Facilities and Utilities Goal 2: Capital facilities and utilities are located in such a way as to provide safe and efficient service to all residents.

CFU Policy 2.3: Design a distribute public facilities and services, including streets and utilities, to ensure equitable supply and access to all segments of the population.

Capital Facilities and Utilities Goal 5: The sound fiscal management of government services and facilities promote a transparent and collaborative relationship between government and residents.

CFU Policy 5.1 Plan for rehabilitation of the City's utility infrastructure to ensure safe, reliable, and efficient service.

The following specific utility plans were utilized in preparation of the 2021-2026 Capital Facilities Plan:

- 2013 Water System Master Plan
- 2015 General Sewer Plan Update
- 2015 Comprehensive Stormwater Management Plan
- 2017 Landfill Master Plan
- 2020 General Sewer Plan Amendment

The 2021-2026 Capital Facilities Plan (CFP) identifies needed capital projects and the proposed financing plan over the next six year planning horizon. The CFP identifies transportation, utility, parks, and general city facilities projects to meet the growth needs of the city as well as maintenance of city's infrastructure.

Staff finds the proposed 2021-2026 Capital Facilities Plan is consistent with the Comprehensive Plan Update – Walla Walla 2040 based on the staff analysis.

V. STAFF RECOMMENDATION/DECISION

Planning Commission recommend approval to the Walla Walla City Council adoption of the six year Capital Facilities Plan, 2021-2026.

VI. EXHIBITS

Exhibit 1 Draft Six-Year Capital Facilities Plan, 2021-2026
Exhibit 2 Review Request to Department of Commerce
Exhibit 3 Notice of Public Hearing
Exhibit 4 List of project changes, deletions, and additions to the 2021-2026 CFP

Staff Report prepared by: Preston Frederickson, Development Services Director

Exhibit 1

CITY OF WALLA WALLA

Draft

2021 – 2026

Capital Facilities Plan

September 2020

CITY OF WALLA WALLA
CAPITAL FACILITIES PLAN – 2021 - 2026
TABLE OF CONTENTS

Capital Facilities Plan

City of Walla Walla

INTRODUCTION

The City's Capital Facilities Plan (CFP) provides a list and schedule of capital expenditures for City Facilities. Anticipated funding sources include local funds, as well as State and Federal grants. Expenditures included in this plan have largely been identified through other planning efforts such as:

- The Downtown Master Plan
- Water System Plan
- General Sewer Plan
- Comprehensive Stormwater Management Plan
- Landfill Master Plan (draft)
- Six-Year Comprehensive Transportation Program
- Walla Walla Valley Metropolitan Planning Organization's 2040 Plan
- Parks & Recreation Comprehensive Plan

The reader is referred to these plans for additional details.

Why is it important for a city to develop and keep a capital facilities plan up to date? In particular, the following three compelling reasons drive the development and update of the City's capital facilities plan:

1. City health and long term stability in terms of quality of life and its economy require replacement and repair of existing infrastructure, investment in new infrastructure, and correction of deficiencies.
2. The City receives many State and Federal grants for infrastructure. For example, a significant portion of street improvement projects are funded with grants. The majority of infrastructure grants and loan programs require that projects be identified in an adopted plan.
3. The Washington State Growth Management Act of 1990 requires that capital facilities plans be adopted and consist of (1) an inventory of existing capital facilities; (2) a forecast of the future needs for such facilities; (3) the proposed locations and capacities of expanded or new facilities; (4) at least a six-year plan that will finance such facilities within projected funding capacities and clearly identifies sources of public money for such purposes; and (5) a requirement to reassess the land use element if funding falls short of meeting existing needs.

The purpose of the CFP is to ensure the City plans for adequate facilities that are (1) consistent with the goals and policies of the Walla Walla Urban Area Comprehensive Plan; (2) consistent with the projected population growth and land use plan; (3) concurrent with, or within six years of the impacts of new development in order to achieve and maintain adopted level of service standards; and (4) based on sound fiscal policies for the city.

This document is intended to be updated annually. Projects funded in the first two years of the plan are intended to be consistent with the City's biennial budget. This document in conjunction with the aforementioned individual public facility plans provide the information required by RCW 36.70A.070(3).

The city-owned public facilities encompassed by the plan include:

- streets
- sidewalks, paths and trails
- street lighting systems
- traffic signals
- domestic water system
- fire
- sanitary sewer system
- stormwater system
- parks and recreation facilities
- general administrative facilities
- cemetery
- landfill
- wastewater treatment facilities
- water treatment facilities
- police
- library
- bridges
- parking lots

DEFINITIONS

The following definitions will help in understanding how this Capital Facilities Plan is put together and read.

Capital Facilities: Capital facilities are structures, improvements, equipment, or other major assets (including land) with a useful life of at least ten (10) years. Capital improvements are projects that create, expand, or modify a capital facility. The definition applies to projects that cost more than ten thousand ($10,000) dollars.

Level of Service: Levels of service are usually quantifiable measures of the amount of public facilities that are provided to the community. Measures of levels of service typically are expressed as ratios of facility capacity to demand by actual or potential users. Sometimes, levels of service (LOS) standards are based on the public service, such as police protection, rather than on the facility that houses the service (e.g. police station).

Concurrency: This is a term that requires public facilities and services necessary to serve development to be in place at the time of development or a financial commitment is made to provide the facility within a certain period of time. The Growth Management Act requires concurrency on transportation facilities, while all other public facilities must be "adequate."

CFP ORGANIZATION

This Capital Facilities Plan is organized around each of the public facilities provided by the city. Because the city wants to make sure that the Capital Facilities Plan is based on sound fiscal policy, all capital facilities for which city funds would be expended are included in the CFP, not just those facilities required to accommodate future growth. The CFP is based on the following categories:

- Transportation
- Transportation Benefit District (TBD)
- Infrastructure Repair & Replacement Plan (IRRP)
- Water
- Wastewater
- Public Facilities (Service Center & City Hall)
- Library
- Parks & Recreation
- Fire Department

- Stormwater
- Landfill
- Sanitation
- Police Department

LEVEL OF SERVICE STANDARDS

The Level of Service Standards for Public Facilities are as follows:

Fire Protection
Department goal is to have a response of less than 6 minutes 90% of the time.

Police Protection
All calls for assistance will be answered within a reasonable time consistent with the nature of the call.

Water Supply
Based on International Fire Code requirements for fire flow and Washington State Department of Health requirements for a safe supply of potable water.

Sanitary Sewer
Daily load demand times 2.5 for collection system
Daily load demand for treatment capacity

Transportation
LOS "D" for intersections along any collector or arterial roadway, except for intersections along the following arterial segments where LOS "E" is applied:

- Myra Road
- Poplar Street (Myra Road to Ninth Ave.)
- Rose Street (Myra Road to Ninth Ave.)
- Second Ave.
- Isaacs Ave. (Wilbur Ave. to Airport Way)
- Tietan Street

LOS "E" for all critical movements at local roadways.

FINANCIAL CONSTRAINTS

The first two years of the capital facilities plan is typically consistent with the City's adopted biennial budget. However, since capital expenditures sometimes impact multiple years after funding has been committed, it is prudent to plan ahead for the expenditure of funds for at least three years and in some cases longer. In addition, some of the City's adopted plans include longer term expenditure plans in which resources are actively being pursued when opportunities arise. Often grants become available for certain types of projects resulting from changing public policy at Federal, State, and local levels. The City of Walla Walla monitors these opportunities and puts forth funding applications for projects consistent with Federal, State, and local funding objectives.

TRANSPORTATION

TRANSPORTATION

Transportation System
The City of Walla Walla transportation system inventory covers a variety of multimodal system elements including streets, transit lines, air transport, rail transport and non-motorized traffic (pedestrian and bicycles). Traffic signals, City owned street lights, and bridge facilities are also included as street facilities. The review of all available modes of transportation in Walla Walla must provide consistency with state, regional and county plans to meet objectives of the Growth Management Act (GMA).

Planning Documents
In June of 2018 the City developed a City specific Transportation System Plan as part of the 2018 Comprehensive Plan update. The following is a list of historical transportation planning documents:

- Walla Walla Valley Metropolitan Planning Organization's 2040 plan
- City of Walla Walla's Regional Bicycle and Pedestrian Plan
- Walla Walla Regional Airport: Airport Layout Plan Update
- Six-Year Comprehensive Transportation Program (CTP), also known as the Six-Year Transportation Improvement Program (TIP) for the City of Walla Walla
- 2004 Walla Walla/College Place Traffic Circulation Study
- Walla Walla/College Place UGAs Long Term Arterial Plan – 2007 - County Map TR-2
- 1994 ADA Compliance Plan

Roadway Classifications
The City of Walla Walla's street system consists of National Highway System roads, Highways of Statewide significance, Heritage Corridors, Regional Transportation System roads and city streets.

The City has three roads within the National Highway System: US 12; SR 125; and Airport Way, from US 12 to the Walla Walla Airport. Highways of Statewide Significance include US 12 from I-182 to the Columbia County Line and SR 125 from Oregon State Line to US 12.

The Metropolitan Planning Organization/Regional Transportation Planning Organization (MPO/RTPO) determines which roads are designated as part of the regional transportation system. All principal arterials, as well as some selected minor arterials in the City of Walla Walla are a part of the regional transportation system.

All streets are classified within the Federal Functional Classifications. The classifications define four different types of streets: principal arterials, minor arterials, collector streets and local streets. The classification of the street reveals the purpose or function the street serves. The functional classifications serve as a hierarchy of streets with principal arterials as the major urban or regional routes at the top of the hierarchy.

The function of a principal arterial is to carry the greatest amount of travel volume, transporting through traffic around the central city, between central business districts and outlying residential areas, between major inner city communities or between major suburban centers.

Minor arterials serve to supplement the principal arterials, interconnecting the street system by collecting and distributing traffic to collector or local streets or directly to destinations. Local bus routes tend to follow the minor arterials. Collector streets provide a link between residential neighborhoods and the arterial system. Local roads function as access to adjacent land uses and to higher road classifications.

Pavement Maintenance and Rehabilitation
A Street and Roads Task Force was formed by the City Council in 2002. The Task Force retained MRC to complete a Pavement Maintenance and Rehabilitation Plan in 2003. The study was a comprehensive evaluation to look into solutions to improve the conditions of the entire City street network, excluding state routes and alleyways.

Roadways are evaluated on a number of criteria that result in an Overall Condition Index (OCI) which represents the average surface condition of each segment of roadway. The rating is based on a scale of 0 to 100, where 0 is failed and 100 being a newly constructed roadway.

The average overall OCI rating of City streets in 2002 was 59. The average score for principal arterials was 71, while minor arterials scored 66, collectors scored 61 and residential or local access roads were 56. These scores indicate that historically, most dollars for roadway improvements have been spent on the arterial roadways.

WSDOT considers triggering corrective action on any highway at an OCI rating of 85. The study provided funding scenarios which range from doing nothing to improving all of the streets. The study recommended that an optimized approach with an annual budget of $2.75 million be applied over a 10-year period. This would result in an average OCI of 86. The study indicated that the 10 year, "Do Nothing" option would result in an OCI rating of 26. The study concluded that just to maintain the OCI at 2003 levels; the City would need to invest over $1.5 million per year.

This Pavement Management System (PMS) budget was substantially more than the City could afford with the ($600,000 to $700,000) annual proportionate share of the gas tax revenues received from the State. Due to insufficient funding, pavement conditions in the city steadily declined. However, beginning in 2010, the City pursued avenues to renew pavement conditions beginning with the creation of the Infrastructure Repair and Replacement Program, formation of the City of Walla Walla Transportation Benefit District (TBD) and passage of the voter approved 0.2% sales tax for streets initiative in 2012 (sunsets in 2022), and most recently (2015), the Council approved 2% utility tax increase on public utilities. These local sources are helping to rebuild and fund preventative maintenance efforts.

Beginning in May of 2019, a re-evaluation of all roadways is being performed to update the OCI scores. From this data, a comprehensive pavement maintenance plan will be developed. This plan is expected to be completed in 2020.

City of Walla Walla citizen surveys have consistently shown that improving and maintain streets is a top priority. Pavement Management is a systematic approach to planning pavement maintenance and rehabilitation to maximize the pavement condition at the lowest cost. This is composed of applying the right treatment, to the right road, at the right time.

One dollar of preventative maintenance keeps a road in good condition, saving $10 of rehabilitation, or $20 for reconstruction in the future. The City has 145 centerline miles of road, or enough lane miles to complete a 2-lane road from Walla Walla to Portland Oregon. If the city had to reconstruct their entire road network, it would cost about $250 million, so managing this asset is critical.

In 2019 the City conducted a Pavement Condition Index (PCI) assessment of every City street. The rating is based on a scale of 0 to 100 where 70-100 is very good, 50-69 is good, 25-49 is poor, and below 25 is very poor. The City's overall network PCI scored at a 62, principal arterials 78, minor arterials 70, collectors 64, and local roads, which are the majority of City streets, 58. The analysis also included parking lots, which scored a 66. Preventative maintenance is typically applied to PCI's of 60 or higher. Scores below 60 are either rehabilitation or outright reconstruction.

The City ran through 15, 6-year budget scenarios ranging from doing nothing to meeting all network needs at a cost of $13.4 million per year. Staff presented options to Council on June 8, 2020. Maintaining the Current PCI score was presented as a cost of $5.7 million per year. As this funding ask was viewed as too high, staff presented council with options for annual budgets of $1, 2, and $3.7 million per year.

At the August 24 Council Work Session, the formation of a Pavement Management Program task force was discussed with the idea of this group reviewing and recommending to Council, funding sources, options, and a recommended budget. The Council asked staff to prepare a task force recommendation for the September 9, 2020 Council Session.

Level of Service

One way to determine whether a street is functioning well is to identify the street's level of service (LOS) rating. Defined by the Transportation Research Board's Highway Capacity Manual, LOS ratings range from "A" to "F", with LOS "A" roads generally having the greatest amount of travel ease and LOS "F" roads generally having travel delay issues. The travel ease is in reference to travel times, freedom to maneuver, traffic interruptions, comfort, convenience and safety.

The standard acceptable LOS for urban areas is LOS "D."

Public Transportation
Valley Transit, a separate taxing district led by elected representatives from Walla Walla County, City of Walla Walla and City of College Place provides bus service for the general public. Valley Transit runs nine different routes throughout the City plus a connector route for those areas outside of the service area. General bus service runs from 6:15 a.m. to 5:50 p.m. Monday through Friday. Service extends from the Walla Walla Regional Airport to College Place. The transfer center is located along Fourth Avenue in downtown Walla Walla between Main Street and Rose Street.

The bus provides additional services including: a Para-transit service for ADA-certified individuals; persons aged 70+ years; others unable to use the fixed-route bus system; and Job Access program employees. This service is fare-free for transportation to work and employment related activities. The bus service also runs a more limited evenings and Saturday schedule for the general public.

Walla Walla Regional Airport
The Port of Walla Walla owns and operates the Walla Walla Regional Airport. This facility consists of more than 2,400 acres located about three miles northeast of the City's Central Business District. The airport operates three runways, connecting taxiways, a passenger terminal and general aviation facilities. Commercial service at Walla Walla Regional Airport serves the Seattle market through Alaska Airlines, operated by Horizon Air.

Rail Transportation
Rail Transportation in the City of Walla Walla includes a shortline railroad provided by the Blue Mountain Railroad (BLMR). BLMR transports mainly grain, forest products, frozen foods and other farm products. A train generally runs each day in one direction or another. There is no direct rail passenger transportation through Walla Walla. Amtrak provides regional passenger train service from the Tri-Cities.

Six-Year Comprehensive Transportation Program (CTP)/Transportation Improvement Plan (TIP)

The City reviews, conducts a public hearing and adopts an updated Six-Year Comprehensive Transportation Program/Transportation Improvement Plan (TIP) each year in accordance with RCW 35.77.010. However, amendments of the TIP may need to be addressed to match state or other local project needs.

The Six-Year CTP/TIP is divided into two parts:

- Current Six Year Cycle
- Long Range Program

The first four years of the TIP are intended to be definitive, specific and include those projects that have secured or expect to have secured funding. The last two years include projects that have a high probability of receiving funding.

Projects in the years beyond the first six years are listed in the Long Range Program as "Planned." These listings are intended to be more flexible and may be accelerated, delayed or canceled as funding opportunities arise or circumstances change. Projects in the Long Range Program may be advanced to a higher level of priority should circumstances dictate that necessity.

PROJECT SELECTION CRITERIA
The evaluation system is designed to provide the guidance in reviewing projects and determining their feasibility and applicability in the Six-Year Comprehensive Transportation Program. This plan assigns priority to projects that:

- Address high risk and collision locations – for motorist, bicyclists, and pedestrians;
- Assist in completing a transportation network that serves all modes of transportation;
- Allocate resources towards streets that do not provide adequate service;
- Leverage opportunities and have a positive impact on other planned projects in the City;
- If not funded would result in a lost funding opportunity or partnership, costly future construction, or costly repair; and
- Allocate resources to achieve parity of infrastructure among neighborhoods over time.

The Six-Year Comprehensive Transportation Program goal and strategies are consistent with the direction of the City's Comprehensive Plan. The State's Growth Management Act (GMA) required local governments to develop and adopt Comprehensive Plans covering land use, housing, capital-facilities, utilities and transportation by July 1, 1993. The City of Walla Walla adopted its first Comprehensive Plan in 1999 and completed an update in 2008. The next update is slated for completion in 2018.

ARTERIAL STREET PROJECTS

Walla Walla's principal and minor arterial streets make up about 32 (about 26%) of the 138 miles of roadways. Over 75% of the total volume of vehicle miles traveled each year is made on these arterial streets. These streets are typically multi-lane sections with higher posted speed limits and traffic signals at key intersections to improve the flow of traffic, while reducing accidents.

All federal and state transportation funding sources are limited to application on principal and minor arterials and collector street projects.

STREET SIGNALS

Walla Walla operates and maintains 57 street signals for traffic flow and control. Efforts since 2010 have been to upgrade control systems to current technology and pursue upgrades for safety and efficiency.

STREET LIGHTING

The City owns and maintains approximately 800 street lights. Most of the city owned lights were retrofitted in 2010-11 to induction lights through a Department of Commerce grant. With the advancement in LED technology, all new installations are LED. Through a cooperative project with Pacific Power, all street lights within the City owned by Pacific Power will be retrofitted to LED by the end of 2020.

BICYCLE AND PEDESTRIAN

The goal of the City of Walla Walla is to develop a walkable, pedestrian friendly, ADA accessible and bike friendly community. Goals include connectivity between downtown, colleges, schools, parks, shopping centers and Bennington Lake Recreation Area.

The city has been collecting inventory information on the sidewalk network for the past several years as resources are available with the goal of updating the City's 1994 ADA Compliance/Transition Plan. Data collection is expected to be completed in 2016.

BRIDGES

The City has 30 National Bridge Inventory (NBI) bridges. Many of the City of Walla Walla's bridges were constructed in the early 1900's to the mid 50's. While some of these bridges have been upgraded or replaced, several bridges have exposed rusty rebar, spalling concrete, show signs of continued deterioration, exhibit channel scouring, and are in need of repair. Other Mill Creek bridges are not part of the transportation system or are privately owned, but still may need substantial improvements or maintenance to be safe.

The City has updated the ratings and postings of City owned bridges and completed an inspection of City owned off R/W bridges.

While 2/3 of the City's bridges have exceeded their 50-year designed life-span, below are the structures recommended prioritizations for renovations or replacements:

1. **Howard-Bryant Bridge over Garrison Creek (Project Complete - Replaced in 2019)**
   a. This bridge is located at the intersection of a minor arterial and collector. Built in 1936 and renovated in 1948, it has a sufficiency rating of 57.89, it is load posted/restricted and is both structurally deficient and functionally obsolete.

2. **Rose Street – Third Avenue over Mill Creek (Scheduled for Replacement in 2021)**
   a. This bridge dates from 1911 and is located at the intersection of a primary arterial and local street. It has a sufficiency rating of 54.49, it is load posted/restricted and is functionally obsolete.

3. **Main Street over Mill Creek**
   a. Built in 1902 and renovated in 1950 this structure is in the heart of downtown. While the sufficiency rating is 67.03 this bridge is load

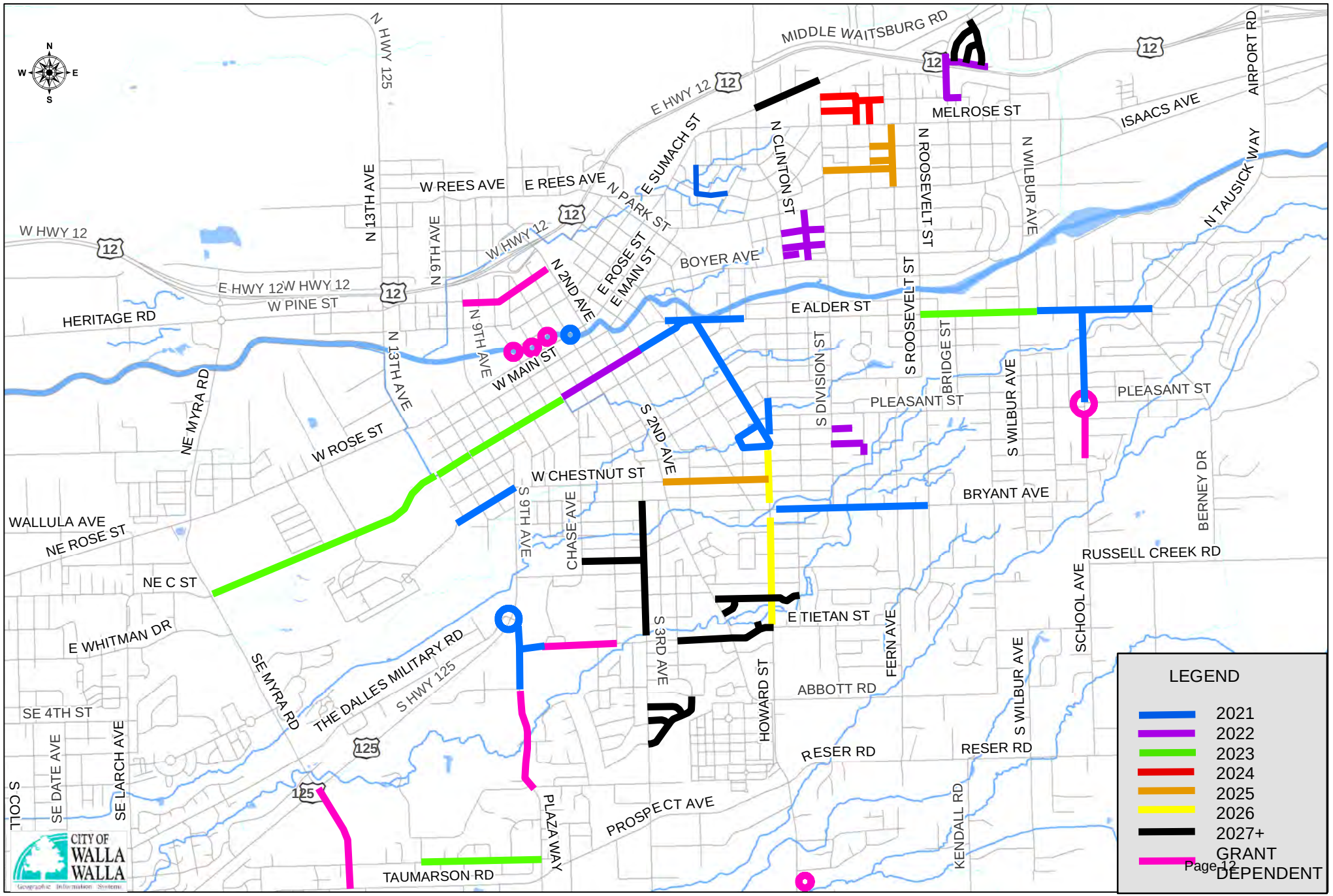
posted/restricted and is both structurally deficient and functionally obsolete.

4. **Spokane Street over Mill Creek (Project Complete – Replaced in 2020)**
   a. The City's oldest bridge, dating from 1905, this structure has a sufficiency rating of 53.29, it is load posted/restricted, and is structurally deficient.

The City is currently working to prioritize the 30 National Bridge Inventory (NBI) bridges for major renovation or replacement. The list above may change as a result of that effort.

Note - The sufficiency rating is the primary criteria for WSDOT's bridge program grant funding. The most recent call for projects required bridges have a rating below 40.

COMPOSITE TRANSPORTATION - IRRP - TBD CAPITAL FACILITIES PLAN 2021 - 2026+



Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Loan / Other	General Fund FY 2021	Transportation Funding FY 2021	TBD Fund FY 2021	REET Fund FY 2021
GENERAL TRANSPORTATION																	
O&M	ST19000	Street Light Requests	X	X	X	X	X	X	X	Street light request program began in June 2019. $10,000 per year was allocated to add or improve lighting that meets the criterial that was established.	$ 10,000	$ -	$ -	$ 10,000	$ -	$ -	$ -
CIP	New	Howard and Chestnut Intersection - Alternatives Analysis		X						Traffic study and alternatives analysis to identify the best solution for the traffic flow and capacity at this intersection.	$ 30,000	$ -	$ -	$ -	$ 30,000	$ -	$ -
										General Transportation - FY 2021	$ 40,000	$ -	$ -	$ 10,000	$ 30,000	$ -	$ -
PAVEMENT PRESERVATION PROGRAM																	
O&M	ST18004	Pavement Management Program Yearly Financial Allocation	X	X	X	X	X	X	X	Condition rate all city streets and enter data into software optimizing available funding and performance targets.	$ 15,000	$ -	$ -	$ -	$ 15,000	$ -	$ -
										Pavement Preservation - FY 2021	$ 15,000	$ -	$ -	$ -	$ 15,000	$ -	$ -
BRIDGE PROGRAM																	
CIP	ST18006	Rose & 3rd Intersection Bridge Replacement Project Design 2019 - 2020 - $871,041	D	C						Replacement of Mill Creek bridge at intersection of Rose Street and 3rd Avenue. Grant Source - Federal Funding Local Bridge Program - $3,645,000.	$ 5,473,000	$ (1,076,043)	$ 3,075,916	$ 300,000	$ -	$ -	$ 150,000
O&M	ST17013	National Bridge Inventory (NBI) Biennial Inspection	X	X	X	X	X	X	X	Inspect and document conditions of all major City bridges to WSDOT/FHWA databases.	$ 130,000	$ -	$ -	$ -	$ 35,000	$ -	$ -
										Bridge Program - FY 20201	$ 5,603,000	$ (1,076,043)	$ 3,075,916	$ 300,000	$ 35,000	$ -	$ 150,000
SIDEWALK PROGRAM																	
CIP	New	CDBG Sidewalk Improvement Program	X	X	X	X	X	X	X	Community Development Block Grant (CDBG) Sidewalk Improvement Project - Project location is on 12th Avenue and Lowden Street.	$ 130,000	$ -	$ 130,000	$ -	$ -	$ -	$ -
O&M	New	Sidewalk Replacement Program $50,000 per year	X	X	X	X	X	X	X	Sidewalk Replacement Program	$ 50,000	$ -	$ -	$ -	$ 50,000	$ -	$ -
CIP	ST19001	Citywide Pedestrian Safety Treatments Design 2019 - $249,000	D	C						Pedestrian and sidewalk improvements such as upgrade ADA accessible curb ramps, install curb extensions, pedestrian activated RRFB's, upgrade pavement markings, etc.. On Poplar at 6th, 7th, 12th, and Avery, on 2nd Ave. at Morton, on Wilbur Ave. at Hobson, and on Alder St. at Bridge St. Total HSIP Grant amount recieved is $466,000.	$ 583,000	$ -	$ 242,000	$ -	$ 92,000	$ -	$ -
										Sidewalk Program - FY 2021	$ 763,000	$ -	$ 372,000	$ -	$ 142,000	$ -	$ -
GRANT DEPENDENT PROJECTS																	
CIP	ST19002	Cottonwood Road Pedestrian Bridge - This is a Grant Dependent		TBD						Installation of a pedestrian bridge across Russel Creek along Cottonwood Road. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 285,000	$ (285,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	Mill Creek Bridge Removal at 4th, 5th, & 6th Ave. This is a Grant Dependent Project		TBD						Removal of bridges over Mill Creek at 4th, 5th, and 6th Avenue. This is a grant dependent project.	$ 1,000,000	$ (1,000,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	Tietan - ADA Sidewalk/Ramps to 4th Ave This is a Grant Grant Dependent		TBD						Install new sidewalk and ramps on north side of Tietan to provide ADA compliant access. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 950,000	$ (950,000)	$ -	$ -	$ -	$ -	$ -
										Transportation Projects - FY 20201	**$ 6,421,000**	**$ (1,076,043)**	**$ 3,447,916**	**$ 310,000**	**$ 222,000**	**$ -**	**$ 150,000**

NOTE: D - Design
C - Construction
X - Design and Construction

* Pavement Preservation Projects Funding Allotment from O&M Streets Fund

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Loan / Other	General Fund FY 2022	Transportation Funding FY 2022	Water Fund FY 2022	TBD Fund FY 2022	REET Fund FY 2022
GENERAL TRANSPORTATION																		
O&M	ST19000	Street Light Requests	X	X	X	X	X	X	X	Street light request program began in June 2019. $10,000 per year was allocated to add or improve lighting that meets the criterial that was established.	$ 10,000	$ -	$ -	$ 10,000	$ -	$ -	$ -	$ -
										General Transportation - FY 2022	$ 10,000	$ -	$ -	$ 10,000	$ -	$ -	$ -	$ -
PAVEMENT PRESERVATION PROGRAM																		
O&M	ST18004	Pavement Management Program Yearly Financial Allocation	X	X	X	X	X	X	X	Condition rate all city streets and enter data into software optimizing available funding and performance targets.	$ 15,000	$ -	$ -	$ -	$ 15,000	$ -	$ -	$ -
										Pavement Preservation - FY 2022	$ 15,000	$ -	$ -	$ -	$ 15,000	$ -	$ -	$ -
BRIDGE PROGRAM																		
O&M	ST17013	National Bridge Inventory (NBI) Biennial Inspection	X	X	X	X	X	X	X	Inspect and document conditions of all major City bridges to WSDOT/FHWA databases.	$ 130,000	$ -	$ -	$ -	$ 10,000	$ -	$ -	$ -
										Bridge Program - FY 2022	$ 130,000	$ -	$ -	$ -	$ 10,000	$ -	$ -	$ -
SIDEWALK PROGRAM																		
CIP	New	CDBG Sidewalk Improvement Program	X	X	X	X	X	X	X	Community Development Block Grant (CDBG) Sidewalk Improvement Project - location TBD	$ 65,000	$ -	$ 65,000	$ -	$ -	$ -	$ -	$ -
O&M	New	Sidewalk Replacement Program $50,000 per year	X	X	X	X	X	X	X	Sidewalk Replacement Program	$ 50,000	$ -	$ -	$ -	$ 50,000	$ -	$ -	$ -
										Sidewalk Program - FY 2022	$ 115,000	$ -	$ 65,000	$ -	$ 50,000	$ -	$ -	$ -
GRANT DEPENDENT PROJECTS																		
CIP	ST17012	Myra Road South Extension - SR125 to Taumarson Dependent on Grants/Economic Developer/Other			TBD					Project constructs extension of Myra Road from SR125 to Taumarson Road. Timing of project dependent on grant funding.	$ 9,000,000	$ (7,500,000)	$ -	$ -	$ -	$ -	$ -	$ -
CIP	New	School Avenue Sidewalk Project This is a Grant Dependent Project			TBD					Sidewalk installation on School Avenue from Pleasant Street to Woodmere Loop. Project includes extensive right-of-way acquisition. Also includes curb/gutter installation, roadway widening, roadway reconstruction, and stormwater management. This is a grant dependent project.	$ 1,200,000	$ (1,200,000)	$ -	$ -	$ -	$ -	$ -	$ -
CIP	ST19002	Cottonwood Road Pedestrian Bridge - This is a Grant Dependent			TBD					Installation of a pedestrian bridge across Russel Creek along Cottonwood Road. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 285,000	$ (285,000)	$ -	$ -	$ -	$ -	$ -	$ -
CIP	New	Mill Creek Bridge Removal at 4th, 5th, & 6th Ave. This is a Grant Dependent Project			TBD					Removal of bridges over Mill Creek at 4th, 5th, and 6th Avenue. This is a grant dependent project.	$ 1,000,000	$ (1,000,000)	$ -	$ -	$ -	$ -	$ -	$ -
CIP	New	Tietan - ADA Sidewalk/Ramps to 4th Ave This is a Grant Grant Dependent			TBD					Install new sidewalk and ramps on north side of Tietan to provide ADA compliant access. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 950,000	$ (950,000)	$ -	$ -	$ -	$ -	$ -	$ -
										Transportation Projects - FY 2022	**$ 270,000**	**$ -**	**$ 65,000**	**$ 10,000**	**$ 75,000**	**$ -**	**$ -**	**$ -**

NOTE: D - Design
C - Construction
X - Design and Construction

* Pavement Preservation Projects Funding Allotment from O&M Streets Fund

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Loan / Other	General Fund FY 2023	Transportation Funding FY 2023	TBD Fund FY 2023	REET Fund FY 2023
GENERAL TRANSPORTATION																	
CIP	New	Highland Road Reconstruction LID - Schedule TBD				TBD				Reconstruct Highland Road from Plaza Way to Leroux Road utilizing the LID process. Project is dependent upon formation of an LID and the re-authorization of the TBD.	$ 1,800,000	$ (1,800,000)	$ -	$ -	$ -	$ -	$ -
O&M	ST19000	Street Light Requests	X	X	X	X	X	X	X	Street light request program began in June 2019. $10,000 per year was allocated to add or improve lighting that meets the criterial that was established.	$ 10,000	$ -	$ -	$ 10,000	$ -	$ -	$ -
										General Transportation - FY 2023	$ 1,810,000	$ (1,800,000)	$ -	$ 10,000	$ -	$ -	$ -
PAVEMENT PRESERVATION PROGRAM																	
O&M	ST18004	Pavement Management Program Yearly Financial Allocation	X	X	X	X	X	X	X	Condition rate all city streets and enter data into software optimizing available funding and performance targets.	$ 125,000	$ -	$ -	$ -	$ 125,000	$ -	$ -
										Pavement Preservation - FY 2023	$ 125,000	$ -	$ -	$ -	$ 125,000	$ -	$ -
BRIDGE PROGRAM																	
O&M	ST17013	National Bridge Inventory (NBI) Biennial Inspection	X	X	X	X	X	X	X	Inspect and document conditions of all major City bridges to WSDOT/FHWA databases.	$ 130,000	$ -	$ -	$ -	$ 25,000	$ -	$ -
										Bridge Program - FY 2023	$ 130,000	$ -	$ -	$ -	$ 25,000	$ -	$ -
SIDEWALK PROGRAM																	
CIP	New	CDBG Sidewalk Improvement Program	X	X	X	X	X	X	X	Community Development Block Grant (CDBG) Sidewalk Improvement Project - location TBD	$ 65,000	$ -	$ 65,000	$ -	$ -	$ -	$ -
O&M	New	Sidewalk Replacement Program $50,000 per year	X	X	X	X	X	X	X	Sidewalk Replacement Program	$ 50,000	$ -	$ -	$ -	$ 50,000	$ -	$ -
										Sidewalk Program - FY 2023	$ 115,000	$ -	$ 65,000	$ -	$ 50,000	$ -	$ -
GRANT DEPENDENT PROJECTS																	
CIP	ST17012	Myra Road South Extension - SR125 to Taumarson Dependent on Grants/Economic Developer/Other				TBD				Project constructs extension of Myra Road from SR125 to Taumarson Road. Timing of project dependent on grant funding.	$ 9,000,000	$ (7,500,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	School Avenue Sidewalk Project This is a Grant Dependent Project				TBD				Sidewalk installation on School Avenue from Pleasant Street to Woodmere Loop. Project includes extensive right-of-way acquisition. Also includes curb/gutter installation, roadway widening, roadway reconstruction, and stormwater management. This is a grant dependent project.	$ 1,200,000	$ (1,200,000)	$ -	$ -	$ -	$ -	$ -
CIP	ST19002	Cottonwood Road Pedestrian Bridge - This is a Grant Dependent				TBD				Installation of a pedestrian bridge across Russel Creek along Cottonwood Road. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 285,000	$ (285,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	Mill Creek Bridge Removal at 4th, 5th, & 6th Ave. This is a Grant Dependent Project				TBD				Removal of bridges over Mill Creek at 4th, 5th, and 6th Avenue. This is a grant dependent project.	$ 1,000,000	$ (1,000,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	Tietan - ADA Sidewalk/Ramps to 4th Ave This is a Grant Grant Dependent				TBD				Install new sidewalk and ramps on north side of Tietan to provide ADA compliant access. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 950,000	$ (950,000)	$ -	$ -	$ -	$ -	$ -
										Transportation Projects - FY 2023	**$ 2,180,000**	**$ (1,800,000)**	**$ 65,000**	**$ 10,000**	**$ 200,000**	**$ -**	**$ -**

NOTE: D - Design
C - Construction
X - Design and Construction

* Pavement Preservation Projects Funding Allotment from O&M Streets Fund

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Loan / Other	General Fund FY 2024	Transportation Funding FY 2024	TBD Fund FY 2024	REET Fund FY 2024
GENERAL TRANSPORTATION																	
O&M	ST19000	Street Light Requests	X	X	X	X	X	X	X	Street light request program began in June 2019. $10,000 per year was allocated to add or improve lighting that meets the criterial that was established.	$ 10,000	$ -	$ -	$ 10,000	$ -	$ -	$ -
										General Transportation - FY 2024	$ 10,000	$ -	$ -	$ 10,000	$ -	$ -	$ -
PAVEMENT PRESERVATION PROGRAM																	
O&M	ST18004	Pavement Management Program Yearly Financial Allocation	X	X	X	X	X	X	X	Condition rate all city streets and enter data into software optimizing available funding and performance targets.	$ 15,000	$ -	$ -	$ -	$ 15,000	$ -	$ -
										Pavement Preservation - FY 2024	$ 15,000	$ -	$ -	$ -	$ 15,000	$ -	$ -
BRIDGE PROGRAM																	
O&M	ST17013	National Bridge Inventory (NBI) Biennial Inspection	X	X	X	X	X	X	X	Inspect and document conditions of all major City bridges to WSDOT/FHWA databases.	$ 130,000	$ -	$ -	$ -	$ 10,000	$ -	$ -
										Bridge Program - FY 2024	$ 130,000	$ -	$ -	$ -	$ 10,000	$ -	$ -
SIDEWALK PROGRAM																	
CIP	New	CDBG Sidewalk Improvement Program	X	X	X	X	X	X	X	Community Development Block Grant (CDBG) Sidewalk Improvement Project - location TBD	$ 65,000	$ -	$ 65,000	$ -	$ -	$ -	$ -
O&M	New	Sidewalk Replacement Program $50,000 per year	X	X	X	X	X	X	X	Sidewalk Replacement Program	$ 50,000	$ -	$ -	$ -	$ 50,000	$ -	$ -
										Sidewalk Program - FY 2024	$ 115,000	$ -	$ 65,000	$ -	$ 50,000	$ -	$ -
GRANT DEPENDENT PROJECTS																	
CIP	ST17012	Myra Road South Extension - SR125 to Taumarson Dependent on Grants/Economic Developer/Other					TBD			Project constructs extension of Myra Road from SR125 to Taumarson Road. Timing of project dependent on grant funding.	$ 9,000,000	$ (7,500,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	School Avenue Sidewalk Project This is a Grant Dependent Project					TBD			Sidewalk installation on School Avenue from Pleasant Street to Woodmere Loop. Project includes extensive right-of-way acquisition. Also includes curb/gutter installation, roadway widening, roadway reconstruction, and stormwater management. This is a grant dependent project.	$ 1,200,000	$ (1,200,000)	$ -	$ -	$ -	$ -	$ -
CIP	ST19002	Cottonwood Road Pedestrian Bridge - This is a Grant Dependent					TBD			Installation of a pedestrian bridge across Russel Creek along Cottonwood Road. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 285,000	$ (285,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	Mill Creek Bridge Removal at 4th, 5th, & 6th Ave. This is a Grant Dependent Project					TBD			Removal of bridges over Mill Creek at 4th, 5th, and 6th Avenue. This is a grant dependent project.	$ 1,000,000	$ (1,000,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	Tietan - ADA Sidewalk/Ramps to 4th Ave This is a Grant Grant Dependent					TBD			Install new sidewalk and ramps on north side of Tietan to provide ADA compliant access. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 950,000	$ (950,000)	$ -	$ -	$ -	$ -	$ -
										Transportation Projects - FY 2024	**$ 270,000**	**$ -**	**$ 65,000**	**$ 10,000**	**$ 75,000**	**$ -**	**$ -**

NOTE: D - Design
C - Construction
X - Design and Construction

* Pavement Preservation Projects Funding Allotment from O&M Streets Fund

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Loan / Other	General Fund FY 2025	Transportation Funding FY 2025	TBD Fund FY 2025	REET Fund FY 2025
GENERAL TRANSPORTATION																	
O&M	ST19000	Street Light Requests	X	X	X	X	X	X	X	Street light request program began in June 2019. $10,000 per year was allocated to add or improve lighting that meets the criterial that was established.	$ 10,000	$ -	$ -	$ 10,000	$ -	$ -	$ -
										General Transportation - FY 2025	$ 10,000	$ -	$ -	$ 10,000	$ -	$ -	$ -
PAVEMENT PRESERVATION PROGRAM																	
O&M	ST18004	Pavement Management Program Yearly Financial Allocation	X	X	X	X	X	X	X	Condition rate all city streets and enter data into software optimizing available funding and performance targets.	$ 15,000	$ -	$ -	$ -	$ 15,000	$ -	$ -
										Pavement Preservation - FY 2025	$ 15,000	$ -	$ -	$ -	$ 15,000	$ -	$ -
BRIDGE PROGRAM																	
O&M	ST17013	National Bridge Inventory (NBI) Biennial Inspection	X	X	X	X	X	X	X	Inspect and document conditions of all major City bridges to WSDOT/FHWA databases.	$ 130,000	$ -	$ -	$ -	$ 25,000	$ -	$ -
										Bridge Program - FY 2025	$ 130,000	$ -	$ -	$ -	$ 25,000	$ -	$ -
SIDEWALK PROGRAM																	
CIP	New	CDBG Sidewalk Improvement Program	X	X	X	X	X	X	X	Community Development Block Grant (CDBG) Sidewalk Improvement Project - location TBD	$ 65,000	$ -	$ 65,000	$ -	$ -	$ -	$ -
O&M	New	Sidewalk Replacement Program $50,000 per year	X	X	X	X	X	X	X	Sidewalk Replacement Program	$ 50,000	$ -	$ -	$ -	$ 50,000	$ -	$ -
										Sidewalk Program - FY 2025	$ 115,000	$ -	$ 65,000	$ -	$ 50,000	$ -	$ -
GRANT DEPENDENT PROJECTS																	
CIP	ST17012	Myra Road South Extension - SR125 to Taumarson Dependent on Grants/Economic Developer/Other						TBD		Project constructs extension of Myra Road from SR125 to Taumarson Road. Timing of project dependent on grant funding.	$ 9,000,000	$ (7,500,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	School Avenue Sidewalk Project This is a Grant Dependent Project						TBD		Sidewalk installation on School Avenue from Pleasant Street to Woodmere Loop. Project includes extensive right-of-way acquisition. Also includes curb/gutter installation, roadway widening, roadway reconstruction, and stormwater management. This is a grant dependent project.	$ 1,200,000	$ (1,200,000)	$ -	$ -	$ -	$ -	$ -
CIP	ST19002	Cottonwood Road Pedestrian Bridge - This is a Grant Dependent						TBD		Installation of a pedestrian bridge across Russel Creek along Cottonwood Road. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 285,000	$ (285,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	Mill Creek Bridge Removal at 4th, 5th, & 6th Ave. This is a Grant Dependent Project						TBD		Removal of bridges over Mill Creek at 4th, 5th, and 6th Avenue. This is a grant dependent project.	$ 1,000,000	$ (1,000,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	Tietan - ADA Sidewalk/Ramps to 4th Ave This is a Grant Grant Dependent						TBD		Install new sidewalk and ramps on north side of Tietan to provide ADA compliant access. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 950,000	$ (950,000)	$ -	$ -	$ -	$ -	$ -
										Transportation Projects - FY 2025	**$ 270,000**	**$ -**	**$ 65,000**	**$ 10,000**	**$ 90,000**	**$ -**	**$ -**

NOTE: D - Design
C - Construction
X - Design and Construction

* Pavement Preservation Projects Funding Allotment from O&M Streets Fund

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Loan / Other	General Fund FY 2026	Transportation Funding FY 2026	TBD Fund FY 2026	REET Fund FY 2026
GENERAL TRANSPORTATION																	
O&M	ST19000	Street Light Requests	X	X	X	X	X	X	X	Street light request program began in June 2019. $10,000 per year was allocated to add or improve lighting that meets the criterial that was established.	$ 10,000	$ -	$ -	$ 10,000	$ -	$ -	$ -
										General Transportation - FY 2026	$ 10,000	$ -	$ -	$ 10,000	$ -	$ -	$ -
PAVEMENT PRESERVATION PROGRAM																	
O&M	ST18004	Pavement Management Program Yearly Financial Allocation	X	X	X	X	X	X	X	Condition rate all city streets and enter data into software optimizing available funding and performance targets.	$ 15,000	$ 110,000	$ -	$ -	$ 125,000	$ -	$ -
										Pavement Preservation - FY 2026	$ 15,000	$ 110,000	$ -	$ -	$ 125,000	$ -	$ -
BRIDGE PROGRAM																	
O&M	ST17013	National Bridge Inventory (NBI) Biennial Inspection	X	X	X	X	X	X	X	Inspect and document conditions of all major City bridges to WSDOT/FHWA databases.	$ 130,000	$ -	$ -	$ -	$ 10,000	$ -	$ -
										Bridge Program - FY 2026	$ 130,000	$ -	$ -	$ -	$ 10,000	$ -	$ -
SIDEWALK PROGRAM																	
CIP	New	CDBG Sidewalk Improvement Program	X	X	X	X	X	X	X	Community Development Block Grant (CDBG) Sidewalk Improvement Project - location TBD	$ 65,000	$ -	$ 65,000	$ -	$ -	$ -	$ -
O&M	New	Sidewalk Replacement Program $50,000 per year	X	X	X	X	X	X	X	Sidewalk Replacement Program	$ 50,000	$ -	$ -	$ -	$ 50,000	$ -	$ -
										Sidewalk Program - FY 2026	$ 115,000	$ -	$ 65,000	$ -	$ 50,000	$ -	$ -
GRANT DEPENDENT PROJECTS																	
CIP	ST17012	Myra Road South Extension - SR125 to Taumarson Dependent on Grants/Economic Developer/Other							TBD	Project constructs extension of Myra Road from SR125 to Taumarson Road. Timing of project dependent on grant funding.	$ 9,000,000	$ (7,500,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	School Avenue Sidewalk Project This is a Grant Dependent Project							TBD	Sidewalk installation on School Avenue from Pleasant Street to Woodmere Loop. Project includes extensive right-of-way acquisition. Also includes curb/gutter installation, roadway widening, roadway reconstruction, and stormwater management. This is a grant dependent project.	$ 1,200,000	$ (1,200,000)	$ -	$ -	$ -	$ -	$ -
CIP	ST19002	Cottonwood Road Pedestrian Bridge - This is a Grant Dependent							TBD	Installation of a pedestrian bridge across Russel Creek along Cottonwood Road. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 285,000	$ (285,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	Mill Creek Bridge Removal at 4th, 5th, & 6th Ave. This is a Grant Dependent Project							TBD	Removal of bridges over Mill Creek at 4th, 5th, and 6th Avenue. This is a grant dependent project.	$ 1,000,000	$ (1,000,000)	$ -	$ -	$ -	$ -	$ -
CIP	New	Tietan - ADA Sidewalk/Ramps to 4th Ave This is a Grant Grant Dependent							TBD	Install new sidewalk and ramps on north side of Tietan to provide ADA compliant access. This is a grant eligible/dependent project. Timing of project dependent on grant funding.	$ 950,000	$ (950,000)	$ -	$ -	$ -	$ -	$ -
										Transportation Projects - FY 2026	**$ 270,000**	**$ 110,000**	**$ 65,000**	**$ 10,000**	**$ 185,000**	**$ -**	**$ -**

NOTE: D - Design
C - Construction
X - Design and Construction

* Pavement Preservation Projects Funding Allotment from O&M Streets Fund

TRANSPORTATION BENEFIT DISTRICT (TBD)

Transportation Benefit District (TBD)

In 1987, the Legislature created TBDs as an option for local governments to fund transportation improvements. In 2005, the Legislature amended the TBD statute to expand its uses and revenue authority. In 2007, the Legislature amended the TBD statute to authorize the imposition of vehicle fees and transportation impact fees without a public vote. In 2010, the Legislature amended the TBD statute again to clarify project eligibility, the use of impact fees, and sales tax expenditures, and make TBD governance more flexible.

The City Council established the Walla Walla City Transportation Benefit District by Ordinance 2011-19 following a public hearing at its November 2, 2011 regular meeting. The principal purpose of the TBD was for raising revenues to preserve, maintain and operate existing and planned transportation infrastructure in the City of Walla Walla. The TBD Ordinance acknowledged that while dedicated revenues have decreased, the ongoing annual costs to preserve and maintain the City's Transportation infrastructure continue to rise, leaving the City unable to continue to adequately preserve and maintain the transportation facilities.

The establishment of the Walla Walla TBD, along with voter approved funding, would provide a dedicated, annual funding mechanism for transportation improvements. Further with the certainty of TBD funding in place, the City enhances its competitive ability for additional State and Federal grant funding.

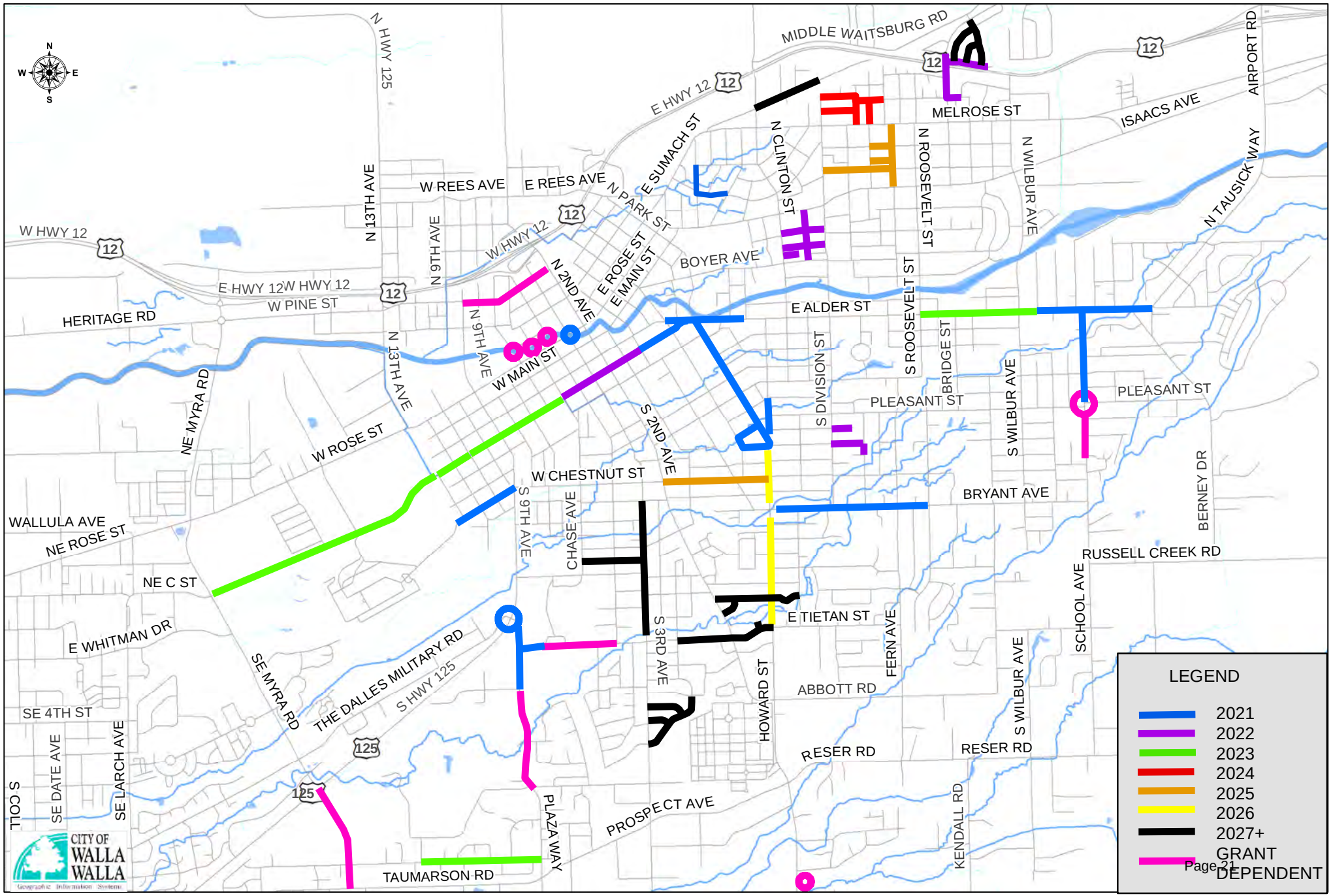
All funds raised through the TBD shall be expended only for such construction, preservation, maintenance and operational efforts in protecting the transportation infrastructure, reduce the risk of facility failure, improve safety, continue the cost-effectiveness of infrastructure investments, and continue the optimal performance of the transportation system.

After following the necessary procedural actions that accommodate the TBD funding option, the TBD Board placed the 0.2% sales and use tax on the February 14, 2012 ballot for the voters to determine the viability of TBD funding. 6,929 votes were received, with 4,475 residents voting yes and 2,654 voting no. With 61.7% voter approval, the 0.2% sale tax increase passed, and Ordinance TBD-2012-01 was adopted, imposing the 0.2% sales and use tax within the City limits for a period of ten years.

In 2012, City staff updated the Pavement Condition Index (PCI) of the 25 Top Citizen Ranked Projects. PCI is a pavement rating of 0-100 with a perfect 100 given to a brand new road. A weighted prioritization of TBD projects was established and adopted by the Advisory Committee that used citizen votes as the highest weighting, and also included street classification, traffic volume, and the PCI score. The result is a prioritized list of the top 25 TBD streets.

The TBD sales tax began on July 1, 2012 and will expire on June 30, 2022. Revenue generated to date:
2012 = $347,000
2013 = $1,022,500
2014 = $1,048,600
2015 = $1,135,800
2016 = $1,225,000
2017 = $1,248,100
2018 = $1,426,400
2019 = $1,463,400
The projected revenue for 2020 is anticipated to be $1,100,000.

COMPOSITE TRANSPORTATION - IRRP - TBD CAPITAL FACILITIES PLAN 2021 - 2026+



TRANSPORTATION BENEFIT DISTRICT PROJECTS - FY 2021 - CFP - 9/15/2020

Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	TBD Fund FY 2021	Water Fund FY 2021	Stormwater Fund FY 2021	Wastewater Fund FY 2021	Water IRRP FY 2021	Wastewater IRRP FY 2021	REET Fund FY 2021
TBD9023	Alder/Poplar TBD - Merriam to Colville Design/ROW 2019 - $1,292,000 Completion of (Full) Project is Grant Dependent	D	C						Project replaces roadway, makes intersection improvements, upgrades illumination, and enhances stormwater collection on Alder and Poplar from Merriam to Colville. Potions of the water and wastewater system within the project limits that are failing will also be replaced. Project also replaces the water main and services on Palouse Street from Alder to Poplar. This is a grant dependent project.	**$ 6,654,000**	$ (2,554,000)	$ -	$ 1,080,000	$ 490,000	$ 64,000	$ -	$ 450,000	$ 399,000	$ 325,000
TBD9026	Poplar TBD - Colville to 5th Design 2020 - $213,750 Construction 2022 - $3,846,000	D	D	C					Project replaces roadway, makes signalized intersection improvements, upgrades illumination, and enhances stormwater collection on Poplar from Colville to 5th. Potions of the water system within the project limits that are failing will also be replaced. Federal STBG Grant recieved in 2020.	**$ 4,546,000**	$ -	$ 1,323,740	$ 365,000	$ 73,000	$ -	$ 48,250	$ -	$ -	$ -
ST17011	Plaza Way TBD - 9th Avenue to Village Way Design 2019 - $315,000	D	C						Project replaces the roadway on Plaza Way from 9th Avenue to Village Way and makes intersection improvements at Plaza/Tietan. Project will be combined with the WSDOT 9th/Plaza/Dalles intersection project. Grant Funding Source - STBG - $1,496,000.	**$ 1,780,000**	$ -	$ 1,496,000	$ 198,000	$ -	$ -	$ -	$ -	$ -	$ -
TBD9024	Plaza Way TBD - Village Way to Taumarson Road Design 2020 - $80,000 Construction 2022 - $3,970,000 This is a Grant Dependent Project	D	D	C					Project replaces the roadway on Plaza Way from Village Way to Taumarson Road. Seeking grant for sidewalks, bike lanes, striping, etc. This is a grant dependent project.	**$ 4,340,000**	$ (4,210,000)	$ -	$ 50,000	$ -	$ -	$ -	$ -	$ -	$ -
TBD9025	Pine Street TBD - 2nd Ave. to 9th Ave. Design 2020 - $100,000 Construction 2022 - $2,850,000 This is a Grant Dependent Project	D	D	C					Project replaces the roadway on Pine Street from 2nd Avenue to 9th Avenue on Pine Street. Seeking grant for ADA, bike lanes, striping, paving, etc. This is a grant dependent project.	**$ 3,370,000**	$ (3,270,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TBD9027	School Ave - Pleasant Street Intersection Realignment Design 2020 - $25,000 Construction 2022 - $1,134,000 This is a Grant Dependent Project	D	D	C					Realignment of the School Ave/Pleasant Street intersection including new sidewalks and ADA ramps, radar reader/driver feedback sign. This is a grant depenpendent project.	**$ 1,276,000**	$ (1,251,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TBD9022	TBD Pavement Preservation Design 2020 - $100,000	D	C						Maintenance seal on portions of Alder, Chestnut, Bryant, and School.	**$ 250,000**	$ -	$ -	$ 150,000	$ -	$ -	$ -	$ -	$ -	$ -
									TRANSPORTATION BENENFIT DISTRICT - FY 2021	**$ 22,216,000**	**$ (11,285,000)**	**$ 2,819,740**	**$ 1,843,000**	**$ 563,000**	**$ 64,000**	**$ 48,250**	**$ 450,000**	**$ 399,000**	**$ 325,000**

NOTE:
D - Design
C - Construction
X - Design and Construction

TRANSPORTATION BENEFIT DISTRICT PROJECTS - FY 2022 - CFP - 9/15/2020

Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	TBD Fund FY 2022	Water Fund FY 2022	Stormwater Fund FY 2022	Wastewater Fund FY 2022	General Fund FY 2022	Transportation Funding FY 2022	REET Fund FY 2022
TBD9026	Poplar TBD - Colville to 5th Design 2020/2021 - $700,000	D	D	C					Project replaces roadway, makes signalized intersection improvements, upgrades illumination, and enhances stormwater collection on Poplar from Colville to 5th. Potions of the water system within the project limits that are failing will also be replaced. Federal STBG Grant recieved in 2020.	**$ 4,546,000**	$ -	$ 1,323,740	$ 1,496,510	$ 610,000	$ -	$ 415,750	$ -	$ -	$ -
TBD9026	Plaza Way TBD - Village Way to Taumarson Road Design 2020/2021 - $370,000 This is a Grant Dependent Project	D	D	C					Project replaces the roadway on Plaza Way from Village Way to Taumarson Road. Seeking grant for sidewalks, bike lanes, striping, etc.	**$ 4,340,000**	$ (4,210,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TBD9025	Pine Street TBD - 2nd Ave. to 9th Ave. Construction 2020/2021 - $520,000 This is a Grant Dependent Project	D	D	C					Project replaces the roadway on Pine Street from 2nd Avenue to 9th Avenue on Pine Street. Seeking grant for ADA, bike lanes, striping, paving, etc.	**$ 3,370,000**	$ (3,270,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TBD9027	School Ave - Pleasant Street Intersection Realignment Design 2020/2021 - $142,000 This is a Grant Dependent Project	D	D	C					Realignment of the School Ave/Pleasant Street intersection including new sidewalks and ADA ramps, radar reader/driver feedback sign. This is a grant depenpendent project.	**$ 1,276,000**	$ (1,251,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
									TRANSPORTATION BENENFIT DISTRICT - FY 2022	**$ 13,532,000**	**$ (8,731,000)**	**$ 1,323,740**	**$ 1,496,510**	**$ 610,000**	**$ -**	**$ 415,750**	**$ -**	**$ -**	**$ -**

NOTE:
D - Design
C - Construction
X - Design and Construction

TRANSPORTATION BENEFIT DISTRICT PROJECTS - FY 2023 - CFP - 9/15/2020

Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	TBD Fund FY 2023	Water Fund FY 2023	Stormwater Fund FY 2023	Wastewater Fund FY 2023	General Fund FY 2023	Transportation Funding FY 2023	REET Fund FY 2023
New	Poplar - 14th to Myra Pavement Preservation Project Construction 2024 - $967,500 Project Dependent upon TBD Extension				D	C			A pavement preservation and restriping project on Poplar from 14th to Myra Road. Also includes traffic signal improvements at the Poplar/Myra intersection.	**$ 1,100,000**	$ (132,500)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
									TRANSPORTATION BENENFIT DISTRICT - FY 2023	**$ 1,100,000**	**$ (132,500)**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

NOTE: D - Design
C - Construction
X - Design and Construction

TRANSPORTATION BENEFIT DISTRICT PROJECTS - FY 2024 - CFP - 9/15/2020

Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	TBD Fund FY 2024	Water Fund FY 2024	Stormwater Fund FY 2024	Wastewater Fund FY 2024	General Fund FY 2024	Transportation Funding FY 2024	REET Fund FY 2024
New	Poplar - 14th to Myra Pavement Preservation Project Design 2023 - $132,500 Project Dependent upon TBD Extension				D	C			A pavement preservation and restriping project on Poplar from 14th to Myra Road. Also includes traffic signal improvements at the Poplar/Myra intersection.	**$ 1,100,000**	$ (967,500)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
									TRANSPORTATION BENENFIT DISTRICT - FY 2024	**$ 1,100,000**	**$ (967,500)**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

NOTE: D - Design
C - Construction
X - Design and Construction

TRANSPORTATION BENEFIT DISTRICT PROJECTS - FY 2025 - CFP - 9/15/2020

Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	TBD Fund FY 2025	Water Fund FY 2025	Stormwater Fund FY 2025	Wastewater Fund FY 2025	General Fund FY 2025	Transportation Funding FY 2025	REET Fund FY 2025
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
									TRANSPORTATION BENENFIT DISTRICT - FY 2025	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

NOTE:
D - Design
C - Construction
X - Design and Construction

TRANSPORTATION BENEFIT DISTRICT PROJECTS - FY 2026 - CFP - 9/15/2020

Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	TBD Fund FY 2026	Water Fund FY 2026	Stormwater Fund FY 2026	Wastewater Fund FY 2026	General Fund FY 2026	Transportation Funding FY 2026	REET Fund FY 2026
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
									TRANSPORTATION BENENFIT DISTRICT - FY 2025	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

NOTE:
D - Design
C - Construction
X - Design and Construction

INFRASTRUCTURE REPAIR AND REPLACEMENT PLAN (IRRP)

Infrastructure Repair and Replacement Plan (IRRP)

Walla Walla and much of the nation is facing a failure of three critical infrastructure systems: water, sewer and streets. The City has 115 miles of failing facilities and there are approximately 40 miles where all three are failing in the same stretch of road. To avoid costly consequences to human health and safety, the environment, and the local economy, the City adopted a systematic approach to the replacement of the infrastructure in this category referred to as the failing trifecta.

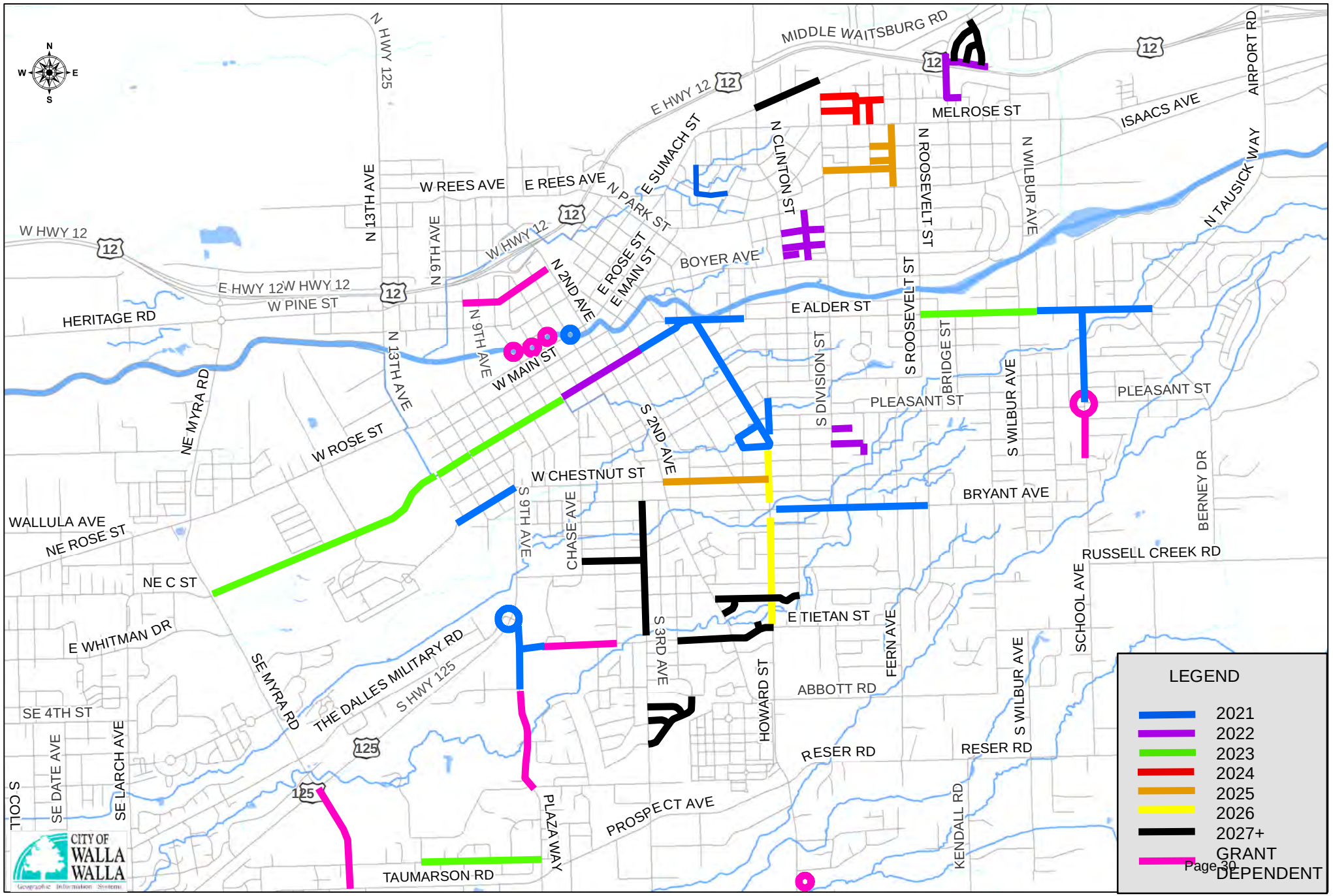
Established by the City Council in April 2010, the IRRP program was funded by a six-year stepped utility rate increase. Program funding included an $8.82M revenue bond that was re-paid over the first six-year period (2010 – 2015). With the bond paid off and the stepped utility rate increase fully implemented, the IRRP program generates approximately $5.1M per year in total revenue. This translates to approximately 1.3 linear miles of infrastructure (water, sewer, street) replaced per year in 2016 dollars. This predictable revenue source lends itself to provide matching funds for outside grant/loan funding sources. This funding has shown and will continue to show its ability to be leveraged against outside funds.

Project selection for IRRP is based on an equally weighted quantitative scoring system for street, water, and wastewater. Street scoring is based on the Transportation Benefit District (TBD) scoring criterion, which accounts for roadway classification, Average Daily Traffic (ADT), roadway condition rating, and citizen votes.

The water system scoring is based on leak history, pipe material type, age, and size.

The sewer system scoring is based on pipe material, maintenance history, claim history (back-ups), size limitations, age, and structural deficiencies.

COMPOSITE TRANSPORTATION - IRRP - TBD CAPITAL FACILITIES PLAN 2021 - 2026+



Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Water IRRP FY 2021	Stormwater IRRP FY 2021	Wastewater IRRP FY 2021	TBD FY 2021	Stormwater Funding FY 2021	Water Funding FY 2021	REET Funding FY 2021
IRRP025	Park Street - IRRP/TBD Design 2020 $477,500	D	C						Project includes full roadway and utility improvements on portions of Park St., Juniper St., L St., Palouse St., and Howard St. Received DOE Stormwater Grant - $216,540	**$ 4,216,540**	$ -	$ 179,040	$ 1,281,600	$ 213,600	$ 1,352,800	$ 596,200	$ -	$ -	$ 115,800
IRRP023	Penrose & Alvarado IRRP Design 2018 $137,155	D	C						Project includes full roadway and utility improvements on Penrose from Alvarado to Figueroa and on Alvarado from Penrose to Valencia.	**$ 963,352**	$ -	$ -	$ 380,051	$ 74,358	$ 371,789	$ -	$ -	$ -	$ -
NEW	Balm-Juniper-Woodlawn IRRP Construction 2022 $816,000		D	C					Project includes full roadway and utility improvements on Balm Street from Division Street to its dead-end and on Juniper Street from Division Street to Woodlawn Street. Project also includes water system replacement on Woodlawn Street from Juniper Street to Woodbury Lane.	**$ 960,000**	$ -	$ -	$ 58,628	$ 9,804	$ 54,118	$ -	$ -	$ 21,450	$ -
NEW	Cookerly Drive IRRP Construction 2022 $966,450		D	C					Project includes full roadway and utility improvements on Cookerly Street from Wellington Avenue to its dead-end. The project also includes water system replacement on Wellington Avenue from J Street to Glen Erin Drive.	**$ 1,137,000**	$ -	$ -	$ 53,748	$ 8,988	$ 49,614	$ -	$ -	$ 58,200	$ -
NEW	University-Pearson-Madison IRRP Construction 2022 $1,494,300		D	C					Project includes full roadway and utility improvements on University Street from Madison to Division, on Madison from Alder to University and Boyer to Pearson, and a portion of Pearson Alley between Madison and Clinton. The project also includes water system replacement on University, Madison, and Pearson between Clinton and Division.	**$ 1,758,000**	$ -	$ -	$ 77,716	$ 12,996	$ 71,738	$ -	$ -	$ 101,250	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
									IRRP FUND - FY 2021	**$ 9,034,892**	$ -	$ 179,040	$ 1,851,743	$ 319,746	$ 1,900,058	$ 596,200	$ -	$ 180,900	$ 115,800

NOTE:

D - Design
C - Construction
X - Design and Construction

Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Water IRRP FY 2022	Stormwater IRRP FY 2022	Wastewater IRRP FY 2022	TBD FY 2022	Stormwater Funding FY 2022	Water Funding FY 2022	REET Funding FY 2022
NEW	Balm-Juniper-Woodlawn IRRP Design 2021 $144,000		D	C					Project includes full roadway and utility improvements on Balm Street from Division Street to its dead-end and on Juniper Street from Division Street to Woodlawn Street. Project also includes water system replacement on Woodlawn Street from Juniper Street to Woodbury Lane.	**$ 960,000**	$ -	$ -	$ 343,058	$ 34,723	$ 316,669	$ -	$ -	$ 121,550	$ -
NEW	Cookerly Drive IRRP Design 2021 $170,550		D	C					Project includes full roadway and utility improvements on Cookerly Street from Wellington Avenue to its dead-end. The project also includes water system replacement on Wellington Avenue from J Street to Glen Erin Drive.	**$ 1,137,000**	$ -	$ -	$ 314,505	$ 31,833	$ 290,312	$ -	$ -	$ 329,800	$ -
NEW	University-Pearson-Madison IRRP Design 2021 $263,700		D	C					Project includes full roadway and utility improvements on University Street from Madison to Division, on Madison from Alder to University and Boyer to Pearson, and a portion of Pearson Alley between Madison and Clinton. The project also includes water system replacement on University, Madison, and Pearson between Clinton and Division.	**$ 1,758,000**	$ -	$ -	$ 454,752	$ 46,028	$ 419,771	$ -	$ -	$ 573,750	$ -
NEW	Poplar Street - 5th to 14th IRRP Grant Dependent Construction 2023 $2,672,417			D	C				Project includes full roadway and utility improvements on Poplar Street from 5th Ave. to 14th Ave. Includes traffic signal, illumination, and stormwater improvements. This is a grant dependent project.	**$ 3,744,020**	$ (600,000)	$ -	$ 212,221	$ 33,012	$ 226,369	$ -	$ -	$ -	$ -
NEW	Alder-Roosevelt to Brock IRRP Construction 2023 $2,886,550			D	C				Project includes full roadway and utility improvements on Alder Street from Roosevelt to Brock. Project also includes traffic signal improvements at the Alder/Roosevelt intersection.	**$ 3,413,000**	$ -	$ -	$ 205,403	$ 31,952	$ 219,096	$ -	$ -	$ -	$ 70,000
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
									IRRP FUND - FY 2022	**$ 11,012,020**	$ (600,000)	$ -	$ 1,529,939	$ 177,546	$ 1,472,218	$ -	$ -	$ 1,025,100	$ 70,000

NOTE:

D - Design
C - Construction
X - Design and Construction

Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Water IRRP FY 2023	Stormwater IRRP FY 2023	Wastewater IRRP FY 2023	TBD FY 2023	Stormwater Funding FY 2023	Water Funding FY 2023	REET Funding FY 2023
NEW	Poplar Street - 5th to 14th IRRP Grant Dependent Design 2022 $471,603			D	C				Project includes full roadway and utility improvements on Poplar Street from 5th Ave. to 14th Ave. Includes traffic signal, illumination, and stormwater improvements. This is a grant dependent project.	**$ 3,744,020**	$ (600,000)	$ -	$ 1,202,588	$ 187,069	$ 1,282,760	$ -	$ -	$ -	$ -
NEW	Alder-Roosevelt to Brock IRRP Design 2022 $526,450			D	C				Project includes full roadway and utility improvements on Alder Street from Roosevelt to Brock. Project also includes traffic signal improvements at the Alder/Roosevelt intersection.	**$ 3,413,000**	$ -	$ -	$ 1,163,948	$ 181,059	$ 1,241,544	$ -	$ -	$ -	$ 300,000
NEW	J-Truman-Wilson IRRP Construction 2024 $2,092,700				D	C			Project includes full roadway and utility improvements on J Street from Division to Lewis, on Wilson from J to Melrose, Truman from Division to Wilson and on White from Melrose to J.	**$ 2,462,000**	$ -	$ -	$ 176,673	$ 29,544	$ 163,083	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
									IRRP FUND - FY 2023	**$ 9,619,020**	$ (600,000)	$ -	$ 2,543,208	$ 397,672	$ 2,687,387	$ -	$ -	$ -	$ 300,000

NOTE:

D - Design
C - Construction
X - Design and Construction

Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Water IRRP FY 2024	Stormwater IRRP FY 2024	Wastewater IRRP FY 2024	TBD FY 2024	Stormwater Funding FY 2024	Water Funding FY 2024	REET Funding FY 2024
NEW	J-Truman-Wilson IRRP Design 2023 $369,300				D	C			Project includes full roadway and utility improvements on J Street from Division to Lewis, on Wilson from J to Melrose, Truman from Division to Wilson and on White from Melrose to J.	**$ 2,462,000**	$ -	$ -	$ 1,033,794	$ 104,635	$ 954,271	$ -	$ -	$ -	$ -
NEW	Chestnut - 2nd to Howard IRRP Construction 2025 $2,800,000					D	C		Project includes full roadway and utility improvements on Chestnut Street from 2nd Avenue to Howard Street. Also includes intersection improvements at the Chestnut and Howard Intersection.	**$ 3,300,000**	$ -	$ -	$ 215,280	$ 36,000	$ 198,720	$ -	$ -	$ -	$ 50,000
NEW	Portland-Blue IRRP Construction 2025 $1,923,550					D	C		Project includes full roadway and utility improvements on Portland Avenue from Bellevue to White, and Walla Walla Avenue and Defense Avenue from White to Blue.. The project also includes water system replacement on Portland and Blue Street.	**$ 2,263,000**	$ -	$ -	$ 106,779	$ 17,856	$ 98,565	$ -	$ -	$ 116,250	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
									IRRP FUND - FY 2024	**$ 8,025,000**	$ -	$ -	$ 1,355,853	$ 158,491	$ 1,251,556	$ -	$ -	$ 116,250	$ 50,000

NOTE:

D - Design
C - Construction
X - Design and Construction

Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Water IRRP FY 2025	Stormwater IRRP FY 2025	Wastewater IRRP FY 2025	TBD FY 2025	Stormwater Funding FY 2025	Water Funding FY 2025	REET Funding FY 2025
NEW	Chestnut - 2nd to Howard IRRP Design 2024 $500,000					D	C		Project includes full roadway and utility improvements on Chestnut Street from 2nd Avenue to Howard Street. Also includes intersection improvements at the Chestnut and Howard Intersection.	**$ 3,300,000**	$ -	$ -	$ 1,259,700	$ 127,500	$ 1,162,800	$ -	$ -	$ -	$ 250,000
NEW	Portland-Blue IRRP Design 2024 $339,450					D	C		Project includes full roadway and utility improvements on Portland Avenue from Bellevue to White, and Walla Walla Avenue and Defense Avenue from White to Blue.. The project also includes water system replacement on Portland and Blue Street.	**$ 2,263,000**	$ -	$ -	$ 624,811	$ 63,240	$ 576,749	$ -	$ -	$ 658,750	$ -
NEW	Howard IRRP Project Construction 2026 $4,427,650						D	C	Project includes full roadway and utility improvements on Howard Street form Juniper Street to Tietan Street.	**$ 5,209,000**	$ -	$ -	$ 373,798	$ 62,508	$ 345,044	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
									IRRP FUND - FY 2025	**$ 10,772,000**	$ -	$ -	$ 2,258,309	$ 253,248	$ 2,084,593	$ -	$ -	$ 658,750	$ 250,000

NOTE:

D - Design
C - Construction
X - Design and Construction

Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Water IRRP FY 2026	Stormwater IRRP FY 2026	Wastewater IRRP FY 2026	TBD FY 2026	Stormwater Funding FY 2026	Water Funding FY 2026	REET Funding FY 2026
NEW	Howard IRRP Project Design 2025 $781,350						D	C	Project includes full roadway and utility improvements on Howard Street form Juniper Street to Tietan Street.	**$ 5,209,000**	$ -	$ -	$ 2,187,259	$ 221,383	$ 2,019,008	$ -	$ -	$ -	$ -
NEW	Tietan - Modoc to Howard IRRP Construction 2027 $2,622,250							D	Project includes full roadway, water, sewer, and stormwater improvements on Tietan Street from Modoc Street to Howard Street.	**$ 3,085,000**	$ -	$ -	$ 221,380	$ 37,020	$ 204,350	$ -	$ -	$ -	$ -
NEW	Leonard-Meadow-Bethel IRRP Construction 2027 $1,950,750							D	Project includes full roadway and utility improvements on Leonard Drive from 3rd to Bradley on Meadow Street from 3rd to Leonard, and on Bethel from 3rd to Leonard.	**$ 2,295,000**	$ -	$ -	$ 164,689	$ 27,540	$ 152,021	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
										$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
									IRRP FUND - FY 2026	**$ 10,589,000**	$ -	$ -	$ 2,573,328	$ 285,943	$ 2,375,380	$ -	$ -	$ -	$ -

NOTE:

D - Design
C - Construction
X - Design and Construction

WATER

Walla Walla Water System

The City of Walla Walla operates a group A community water system, providing service to approximately 33,000 residents via 10,500 connections. The City's Mill Creek surface water supply is classified as an unfiltered supply and currently utilizes ozone for primary disinfection and chlorination to maintain distribution system residual disinfection. The Mill Creek Water Treatment Plant has a capacity of 24 Million Gallons per Day (MGD) and produces roughly four billion gallons of water per year.

Water System Planning (WSP)
A Comprehensive Water System Plan (WSP) update was prepared by HDR Engineering and adopted in 2013 by City Council (Resolution 2013-113).

The WSP did not note any system deficiencies related to the supply, storage, fire flow, or with the distribution capacity portions of the water system.

In 2020, the WSP was updated by Murry Smith & Associates.

Other documents pertinent to the City's Water System include:

- 1999 City of Walla Walla Urban Growth Area Water and Wastewater Study (Economic and Engineering Services, Inc.)
- 1994 Walla Walla/College Place Coordinated Water System Plan (Economic and Engineering Services, Inc.)
- 2006 Mill Creek Oregon and Washington Community Wildfire Protection Plan (Community Wildfire Protection Plan Steering Group, James H. Hulbert)

The emphasis of the Water System Capital Facilities Plan (CFP) is focused on addressing state regulatory requirements of the Washington Water Use Efficiency (WUE) rule and to upgrade the Mill Creek Water Treatment Plant to meet EPA requirements for the Long Term 2 Enhanced Surface Water Treatment Rule (LT2).

Sources, Treatment and Storage
Water is conveyed from 36 square mile Mill Creek Watershed at the city's the city's Mill Creek diversion structure in Oregon (1865 Oregon Water Right) down a 14.5 mile 30-inch diameter transmission line to the Mill Creek Water Treatment Plant. At the plant, energy is generated from the water by a 2.2 megawatt hydroelectric generator producing approximately 13,500 megawatts of electricity per year (roughly enough for 1,500 homes).

Seven deep basalt wells provide supplementary and secondary capacity during summer high use periods and emergency supply when surface water quality exceeds allowable quality standards (turbidity).

The Mill Creek Treatment Plant disinfects raw water from Mill Creek using ozone and stores finished water in the two 7 million gallon reservoirs at the plant and in the 10 million gallon Clinton Street reservoir. The capacity of the water treatment plant is 24 MGD, which is considered adequate to meet the demands through 2031. City well sources will be used to supplement the remainder of the demands.

Continually changing regulations for drinking water, as well as source vulnerability has influenced the City's treatment facility plan. The City is currently developing an Ultraviolet (UV) disinfection plant to provide a cost effective, long-term treatment and operating solution to meet LT2 requirements.

Aquifer Storage and Recovery (ASR)
The City's began the ASR program in the late 1990s and after a decade of pursuing a permit received one from the Department of Ecology in 2016. The ASR program provides the City the ability to draw, treat, and store more water during times of surplus and use it during times of unavailable surface water.

The City presently operates two ASR wells and hopes to expand ASR capabilities further.

Distribution
88 miles of the city's 191 miles of water mains in the distribution system are considered to be facing failure due to age, condition and material type. 38 miles are considered to be IRRP eligible putting the other 50 miles in the Water System's capital replacement program.

There are four pressure zones in the system isolated by 24 pressure reducing valves (PRVs).

WUE and Water Loss Control Plan

Due to the age of the distribution system, water loss through system leaks has been a problem at least since the 1950s. Walla Walla's unaccounted water exceeds 10%, so implementation of a Water Loss Control Plan is mandated by WAC 246-290-820(4).

Currently, water use efficiency goals and programs that deal with major capital improvement and operation and maintenance expenses include:

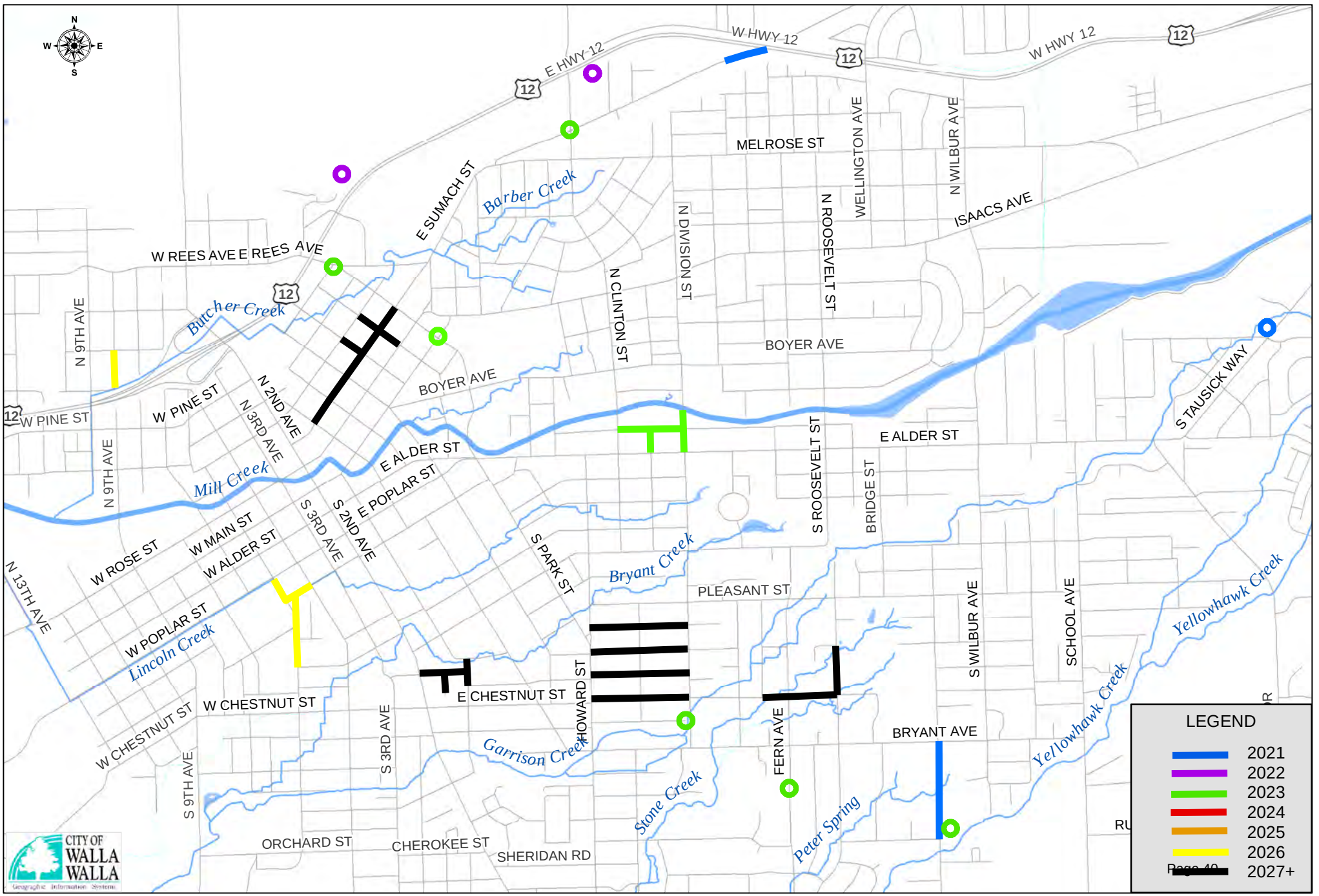
- Leak detection program
- Large/small meter replacement program
- Replacement of 1 mile of water main line and service lines annually
- Water conservation program

Many of the Projects in the Capital Facility Plan have been prioritized to replace leaking water mains and services. In 2018 the City completed the installation of a new advanced metering infrastructure (AMI) system that replaced all large and small water meters throughout the City. The AMI system provides more reliable usage data to improve water usage monitoring, and assist in reducing unaccounted water through more accurate metering.

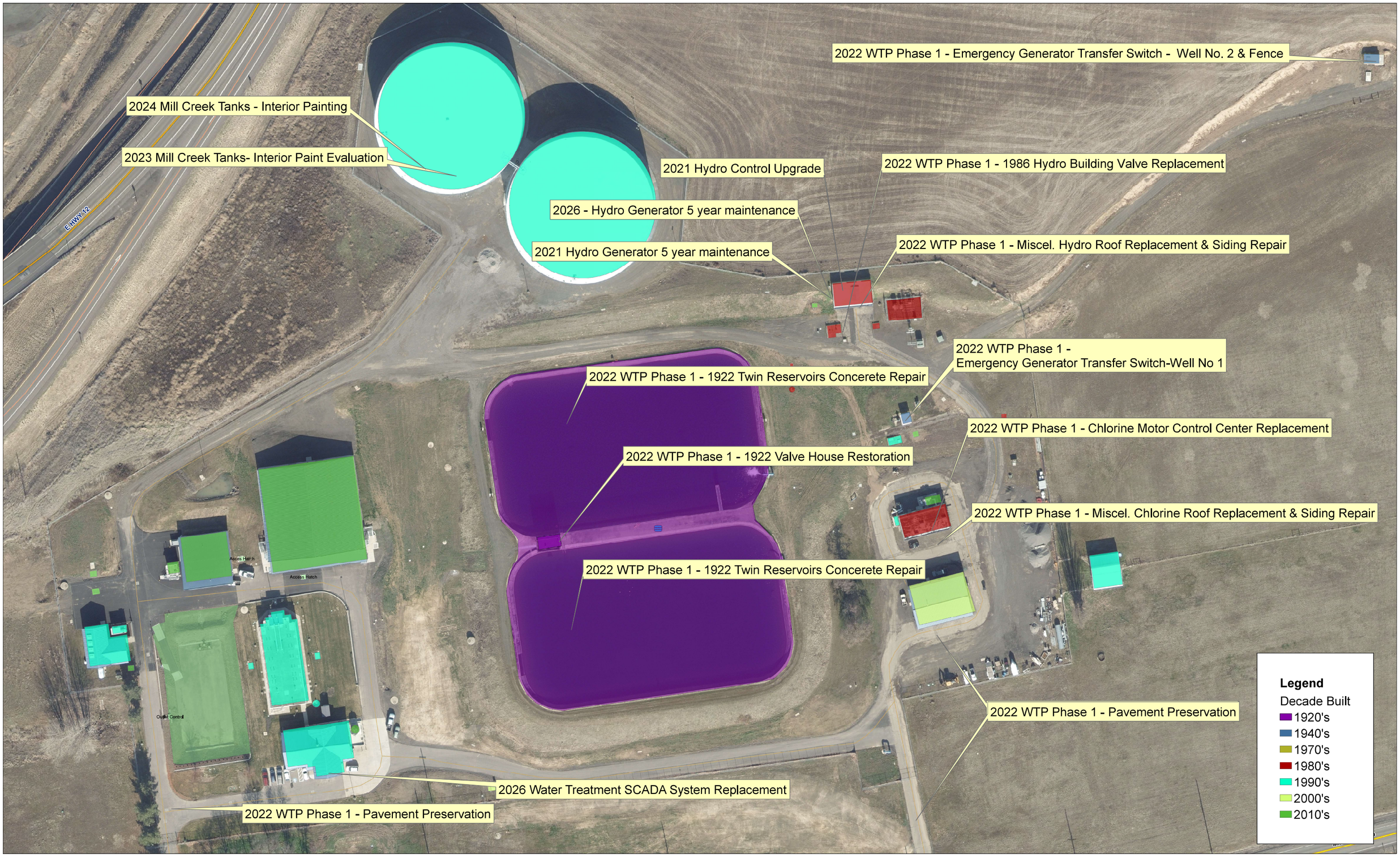
Financial

In December 2015, City Council adopted a 6-year utility rate increase to in part, provide increased funding for the replacement of the city's failing water system (goal of $1M per year toward distribution projects and $0.5M per year towards source, treatment and storage projects).

WATER CAPITAL FACILITIES PLAN 2021 - 2026+



Water Treatment Plant Improvements



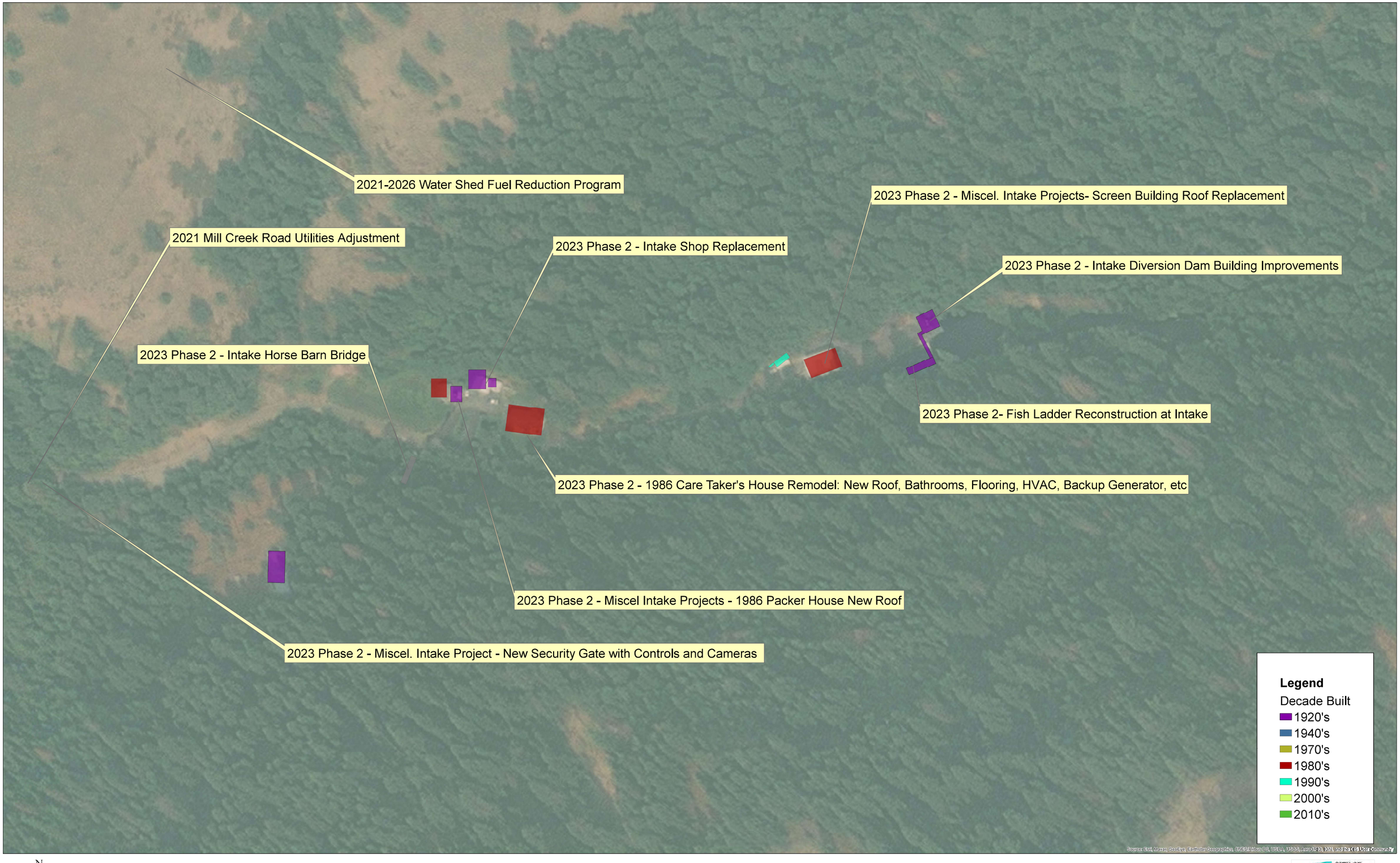
N

Print Date: 9/2/2020

0 50 100 200 Feet

CITY OF WALLA WALLA
Geographic Information Systems

Water Treatment Plant Intake Improvements



N

Print Date: 9/2/2020

0 65 130 260 Feet

CITY OF WALLA WALLA
Geographic Information Solutions

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other (Loan)	Water Fund FY 2021
WATER DISTRIBUTION PROJECTS														
CIP	WA20005	Sumach & Strum Water Main Upgrades Design 2020 $57,750.00	D	C						Construction of a water main on Sumach Street from Lewis Street to the dead-end on Sumach Street. This project will resolve low fire flows in the area. Upsize the water main on Sturm Avenue between Bryant Avenue and Aubin to address pressure issues in the area.	$ 631,000	$ -	$ -	$ 573,250
										Water Distribution - FY 2021	**$ 631,000**	**$ -**	**$ -**	**$ 573,250**
WATER TREATMENT PROJECTS														
CIP	New	Well #6 Cleaning Design 2020 $60,000	D	C						Well No. 6 has biofoul which is causing taste and order issues. The well requires chemical and physical cleaning to remove the biofoul material. Work includes removing the well pump, casing inspection, casing chemical and physical cleaning, motor baking and service.	$ 170,000	$ -	$ -	$ 110,000
CIP	New	Hydro Controls Upgrade and historian backup Design 2020 $70,000	D	C						Upgrade of the controls and electrical at the hydro facility due to controls becoming obsolete. Adding a backup SCADA historian server to plant. The existing SCADA system does not have backup data server.	$ 748,000	$ -	$ -	$ 678,000
CIP	New	Hydro Generator 5 year maintenance		X						Five-year preventative generator maintenance.	$ 90,000	$ -	$ -	$ 90,000
CIP	New	Water Treatment Plant Maintenance Projects (Phase 1). 2021 - Early Valve Procurement -$313,200 added to Design Cost Construction 2022 $1,675,000		D	C					The Water Treatment plant and other water system facilities have various infrastructure that are past their usefully life and requirement significate upgrades or evaluation. These projects were identified during the LT2 construction project but not included. The design project included: 1. WTP 1986 Hydro Building valve replacement project: 2. WTP 1922 Valve House Restoration. 3. WTP Chlorine Building Motor Control Center replacement: 4. WTP 1923 Twin Reservoir concrete Basin Repair: 5. WTP Miscellaneous projects (i.e. SCADA improvements, pavement preservation, Roofs for Hydro and Chlorine buildings, Roughing Filter Pilot Testing additional Media, Well No. 2 Fence, etc.): 6. Golf Course Booter Replacement: 7. Clinton Street Booter Station Improvement (Design Only): 8. Clinton Street Tank Roof Repair (Design Only):	$ 2,175,000	$ -	$ -	$ 500,000
CIP	New	Water Intake Maintenance Projects (Phase 2) Construction 2023 $2,391,000		D	D	C				The water intake facility has various infrastructure that are past their usefully life and requirement significate upgrades or evaluation. The design project includes: 1. Intake Diversion Dam Building Improvements: 2. Intake horse barn bridge: 3. Intake shop replacement: 4. Intake Miscellaneous Projects (i.e. security features, house improvements, roof screening building etc.):	$ 2,567,000	$ -	$ -	$ 176,000
CIP	New	Mill Creek Road Utilities adjustment 2022 Costs $150,000		X	X					Walla Walla County is construction the Five Mile-Mill Creek Re-alignment project. The City will need to relocation one high pressure Air/Vac Station as part of the project.	$ 200,000	$ -	$ -	$ 50,000
CIP	New	Water Shed Fuel reduction program. Grant dependent Design 2020 $5,000	D	C						Fuel reduction program around and inside the watershed. Typical requires $10K City match. Grant Dependent	$ 103,000	$ -	$ 93,000	$ 5,000
CIP	WA19002	Fish Ladder Reconstruction at Intake	D	C						Reconstruction of the fish ladder at the intake. BPA is funding design and construction. Final project cost to be determined by design outcome.	$ 500,000	$ -	$ 500,000	$ -
CIP	New	Portable Emergency Generator and Automatic Transfer Switch at the well sites Construction 2022 $210,000		D	C					Procuring a trailer mounted Emergency Generator and installing automatic transfer switches at all well sites and Clinton Street Booster Station. Grant Dependent Project.	$ 1,010,000	$ -	$ 700,000	$ 100,000
CIP	New	Well 5 Sanitary Control Area Establishment		X						DOH is requiring the City to create a sanitary control area around well no. 5. The project will include procuring restrictive use easements and upgrading near by sewer pipes.	$ 170,000	$ -	$ -	$ 170,000
CIP	New	Well 5 Conversion to ASR Well Construction 2023 $2,013,598		D	D	C				Well No. 5 conversation to an Aquifer Storage and Recover (ASR) Well. The project will include permitting, well upgrade, new piping, and well house. Grant Dependent Project.	$ 3,313,968	$ (1,300,370)	$ -	$ -
										Water Treatment - FY 2021	**$ 11,046,968**	**$ (1,300,370)**	**$ 1,293,000**	**$ 1,879,000**
GENERAL WATER PROJECTS														
CIP	New	Risk & Resilience Emergency Response Plan, Wells 2020 - $200,000	X	X						Section 2013 of America's Water Infrastructure Act of 2018 (AWIA) requires community water systems that serve more than 3,300 people to complete a risk and resilience assessment and develop an emergency response plan. As part of the project the consultant will evaluate the City duel water supply and Clinton Street Booster Station	$ 200,000	$ -	$ -	$ -
CIP	New	Water Shop Structural Retrofit and Re-roof		X						A structural evaluation performed in 2020 outlined specific structural components of the water shop that need to be corrected for continued use of the building. One of the major components identified was replacement of the leaking roof.	$ 300,000	$ -	$ -	$ 300,000
CIP	New	Water System Financial Planning Update and Cost of Service Analysis 2020 - $100,000	X	X						Consultant review of Water System Plan and current rate structure to determine if rates are able to cover projected infrastructure needs. Performed every 6 years following the completion of the WSP.	$ 100,000	$ -	$ -	$ -
										General Water - FY 2021	**$ 600,000**	**$ -**	**$ -**	**$ 300,000**
										Water Projects - FY 2021	**$ 12,277,968**	**$ (1,300,370)**	**$ 1,293,000**	**$ 2,752,250**

NOTE: D - Design

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other (Loan)	Water Fund FY 2022
WATER DISTRIBUTION PROJECTS														
CIP	New	Hobson-Division-Madison Water Main Replacement Project Construction 2023 $605,200.00			D	C				Replaces 2" & 6" Steel Pipe with 8" DI to address leaks and improve circulation in the area. Project is located on Hobson Street from Clinton to Division, Madison Street from Hobson Street to Alder, and on Division Street from Alder Street to Mill Creek.	$ 712,000	$ -	$ -	$ 106,800
										Water Distribution - FY 2022	**$ 712,000**	**$ -**	**$ -**	**$ 106,800**
WATER TREATMENT PROJECTS														
CIP	New	WTP Improvement Project Phase 1 Design 2021 $176,000		D	C					Phase 1: Water Treatment Plant improvement construction. Hydro valves replacements, valve house restoration, sedimentation basin repair, chlorine building new MCC, WTP Miscellaneous projects, golf course new booster station. See Design phase for additional details.	$ 2,567,000	$ -	$ -	$ 2,391,000
CIP	New	Portable Emergency Generator and Automatic Transfer Switch at the well sites		D	C					Procuring a trailer mounted Emergency Generator and installing automatic transfer switches at all well sites and Clinton Street Booster Station. Grant Dependent Project.	$ 1,010,000	$ -	$ 700,000	$ 210,000
CIP	New	Mill Creek Road Utilities adjustment 2021 Costs $50,000		X	X					Umatilla County has a paving Mill Creek Road project from the Oregon state line to the Intake. The City will need to adjust the raw water transmission main accessories: twenty-one (21) Test Station, eleven (11) access manholes, four (4) Air/Vac stations, and thirteen (13) pedestals.	$ 200,000	$ -	$ -	$ 150,000
CIP	New	Community Wild Fire Protection Plan-Five year update-Grant dependent			X					Five year update of the Community Wild Fire Protection Plan. A join plan between the County and the City on how to address wild fires in the county and the City watershed.	$ 30,000	$ -	$ 18,000	$ 12,000
CIP	New	Water Shed Fuel reduction program. Grant dependent			X					Fuel reduction program around and inside the watershed. Typical requires $11K City match. Grant Dependent	$ 106,000	$ -	$ 95,000	$ 11,000
										Water Treatment - FY 2022	**$ 3,913,000**	**$ -**	**$ 813,000**	**$ 2,774,000**
GENERAL WATER PROJECTS														
CIP	New	PRV Replacements and PRV Metering Project Phase 1 Construction 2023 $1,951,000			D	C				Replace 5 existing Pressure Release Valve's (PRV's) that are at the end of life and needs replaced. Relocate and replace old PRV's and vaults that are currently in the middle of high traffic areas. Includes addition of flow meters to five exiting winter time PRVs to assist in identifying which pressure zones have the greatest water loss. New PRVs are: 1501 Fern Ave, E Pine and N. Park, East main and No. Park, Maple at Dead End, East Sumach and Clinton St.	$ 2,077,000	$ -	$ -	$ 126,000
										General Water - FY 2022	**$ 2,077,000**	**$ -**	**$ -**	**$ 126,000**
										Water Projects - FY 2022	**$ 6,702,000**	**$ -**	**$ 813,000**	**$ 3,006,800**

NOTE: D - Design

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other (Loan)	Water Fund FY 2023
WATER DISTRIBUTION PROJECTS														
CIP	New	Hobson-Division-Madison Water Main Replacement Project			D	C				Replaces 2" & 6" Steel Pipe with 8" DI to address leaks and improve circulation in the area. Project is located on Hobson Street from Clinton to Division, Madison Street from Hobson Street to Alder, and on Division Street from Alder Street to Mill Creek.	$ 712,000	$ -	$ -	$ 605,200
		Design 2022 $106,800.00												
										Water Distribution - FY 2023	**$ 712,000**	**$ -**	**$ -**	**$ 605,200**
WATER TREATMENT PROJECTS														
CIP	New	Well #5 Conversion to ASR Well		D	D	C				Well No. 5 conversation to an Aquifer Storage and Recover (ASR) Well. The project will include permitting, well upgrade, new piping, and well house. Grant Dependent Project	$ 3,313,968	$ (2,013,598)	$ -	$ -
		Design 2021 $1,300,370												
CIP	New	Water Intake Improvement Construction Phase 2		D	D	C				The water intake facility has various infrastructure that are past their usefully life and requirement significate upgrades or evaluation. The project includes: 1. Intake Diversion Dam Building Improvements: 2. Intake horse barn bridge: 3. Intake shop replacement: 4. Intake Miscellaneous Projects (i.e. security features, irrigation system, house improvements, etc.):	$ 2,567,000	$ -	$ -	$ 2,391,000
		Design 2021 $176,000												
CIP	New	Clinton Street Tank Roof Repair		D		C				Clinton Street 10 MG Tank Roof Repair: The existing concrete columns that support the roof has non-structure concrete square fillets that are failing and falling inside the tank. The 3 feet by 3 feet by 3 feet pieces propose a safety hazard for water treatment staff during the clean of the tank. The design will provide a plan on how to remove the four fillets for 253 columns.	$ 219,000	$ -	$ -	$ 219,000
CIP	New	Clinton Street Booster Station Improvements		D		C				Clinton Street Booter Station Improvement: The existing booster station is over 52 year and existing components required evaluation or improvements. The evaluation will review the existing electrical systems, lighting, pump controls, fire alarm system, new flow meter and vault, exposed pipe painting, new drain line air gap, review of existing heating and cooling system.	$ 264,000	$ -	$ -	$ 264,000
CIP	New	Mill Creek Tanks- Interior Paint Evaluation				X				Float interior of Mill Creek tanks and inspect ceilings. Includes development of specifications and bid documents for recommended remediation.	$ 50,000	$ -	$ -	$ 50,000
CIP	New	Water Shed Fuel reduction program. Grant dependent				X				Fuel reduction program around and inside the watershed. Typical requires $12K City match. Grant Dependent	$ 109,000	$ -	$ 97,000	$ 12,000
										Water Treatment - FY 2023	**$ 6,522,968**	**$ (2,013,598)**	**$ 97,000**	**$ 2,936,000**
GENERAL WATER PROJECTS														
CIP	New	PRV Replacements and PRV Metering Project Phase 1			D	C				Replace 5 existing Pressure Release Valve's (PRV's) that are at the end of life and needs replaced. Relocate and replace old PRV's and vaults that are currently in the middle of high traffic areas. Includes addition of flow meters to five exiting winter time PRVs to assist in identifying which pressure zones have the greatest water loss. New PRVs are: 1501 Fern Ave, E Pine and N. Park, East main and No. Park, Maple at Dead End, East Sumach and Clinton St.	$ 2,077,000	$ -	$ -	$ 1,951,000
		Design 2022 $126,000												
										General Water - FY 2023	**$ 2,077,000**	**$ -**	**$ -**	**$ 1,951,000**
										Water Projects - FY 2023	**$ 9,311,968**	**$ (2,013,598)**	**$ 97,000**	**$ 5,492,200**

NOTE: D - Design

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024		2025	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other (Loan)	Water Fund FY 2024
WATER DISTRIBUTION PROJECTS														
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										Water Distribution - FY 2024	**$ -**	**$ -**	**$ -**	**$ -**
WATER TREATMENT PROJECTS														
CIP	New	Mill Creek Tanks - Interior Painting Design 2023 $1,480,000					X			Painting the interior of the Mill Creek water tanks.	$ 1,480,000	$ -	$ -	$ 1,480,000
CIP	New	Water Shed Fuel reduction program. Grant dependent					X			Fuel reduction program around and inside the watershed. Typical requires $13K City match. Grant Dependent	$ 112,000	$ -	$ 99,000	$ 13,000
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										Water Treatment - FY 2024	**$ 1,592,000**	**$ -**	**$ 99,000**	**$ 1,493,000**
GENERAL WATER PROJECTS														
CIP	New	PRV Replacements and PRV Metering Project Phase 2 Constrtuction 2025 $1,323,000					D	C		Replace 3 existing PRVs that are the end of life and needs replaced. Relocate and replace old pressure reducing valves and vaults that are currently in the middle of high traffic areas. Includes addition of four flow meters at zone 1 PRVs to assist in identifying which pressure zones have the greatest water loss.	$ 1,403,000	$ -	$ -	$ 80,000
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										General Water - FY 2024	**$ 1,403,000**	**$ -**	**$ -**	**$ 80,000**
										Water Projects - FY 2024	**$ 2,995,000**	**$ -**	**$ 99,000**	**$ 1,573,000**

NOTE: D - Design

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other (Loan)	Water Fund FY 2025
WATER DISTRIBUTION PROJECTS														
CIP	New	8th Avenue Water Main Replacement Project Construction 2026 $187,850.00						D	C	Replace 6" Steel Pipe with 8" DI to address leaks.	$ 221,000	$ -	$ -	$ 33,150
CIP	New	Chase-Birch Water Main Replacement Construction 2026 $382,500.00						D	C	Replace 1" and 6" Steel Pipe with 8" DI to improve fire flow in the area. Project is located on Chase Avenue from Stahl Avenue to Birch Street and on Birch Street from 5th Avenue to 4th Avenue.	$ 450,000	$ -	$ -	$ 67,500
											$ -	$ -	$ -	$ -
										Water Distribution - FY 2025	**$ 671,000**	**$ -**	**$ -**	**$ 100,650**
WATER TREATMENT PROJECTS														
CIP	New	Water Shed Fuel reduction program. Grant dependent						X		Fuel reduction program around and inside the watershed. Typical requires $14K City match. Grant Dependent	$ 115,000	$ -	$ 101,000	$ 14,000
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										Water Treatment - FY 2025	**$ 115,000**	**$ -**	**$ 101,000**	**$ 14,000**
GENERAL WATER PROJECTS														
CIP	New	PRV Replacements and PRV Metering Project Phase 2 Design 2024 $80,000					D	C		Replace 3 existing PRVs that are the end of life and needs replaced. Relocate and replace old pressure reducing valves and vaults that are currently in the middle of high traffic areas. Includes addition of four flow meters at zone 1 PRVs to assist in identifying which pressure zones have the greatest water loss.	$ 1,403,000	$ -	$ -	$ 1,323,000
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										General Water - FY 2025	**$ 1,403,000**	**$ -**	**$ -**	**$ 1,323,000**
										Water Projects - FY 2025	**$ 2,189,000**	**$ -**	**$ 101,000**	**$ 1,437,650**

NOTE: D - Design

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other (Loan)	Water Fund FY 2026
WATER DISTRIBUTION PROJECTS														
CIP	New	8th Avenue Water Main Replacement Project Design 2025 $33,150.00						D	C	Replace 6" Steel Pipe with 8" DI to address leaks.	$ 221,000	$ -	$ -	$ 187,850
CIP	New	Chase-Birch Water Main Replacement Design 2025 $67,500.00						D	C	Replace 1" and 6" Steel Pipe with 8" DI to improve fire flow in the area. Project is located on Chase Avenue from Stahl Avenue to Birch Street and on Birch Street from 5th Avenue to 4th Avenue.	$ 450,000	$ -	$ -	$ 382,500
CIP	New	Home-Chestnut Water Main Replacement Project Construction 2027 $1,223,150							D	Replaces 1", 1.25", and 6" Steel Pipe with 8" DI to address leaks and improve circulation in the area. Project is located on Chestnut Street from Woodlawn Street to Home Avenue and on Home Avenue from Dogwood Lane to Chestnut Street.	$ 1,439,000	$ -	$ -	$ 215,850
										Water Distribution - FY 2026	**$ 2,110,000**	**$ -**	**$ -**	**$ 786,200**
WATER TREATMENT PROJECTS														
CIP	New	Hydro Generator 5 year maintenance							X	Five-year preventative maintenance and transformer oil change	$ 110,000	$ -	$ -	$ 110,000
CIP	New	Water Treatment SCADA System Replacement							X	Replace all the SCADA computers, upgrade software, replace servers, and backup power supply (UPS).	$ 1,480,000	$ -	$ -	$ 1,480,000
CIP	New	Water Shed Fuel reduction program. Grant dependent							X	Fuel reduction program around and inside the watershed. Typical requires $15K City match. Grant Dependent	$ 118,000	$ -	$ 103,000	$ 15,000
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										Water Treatment - FY 2026	**$ 1,708,000**	**$ -**	**$ 103,000**	**$ 1,605,000**
GENERAL WATER PROJECTS														
CIP	New	Risk & Resilience $ Emergency Response Plan-Five year update							X	Section 2013 of America's Water Infrastructure Act of 2018 (AWIA) requires community water systems that serve more than 3,300 people to complete a risk and resilience assessment and develop an emergency response plan. Update the plan.	$ 110,000	$ -	$ -	$ 110,000
CIP	New	Water System Financial Planning Update and Cost of Service Analysis							X	Consultant review of Water System Plan and current rate structure to determine if rates are able to cover projected infrastructure needs. Performed every 6 years following the completion of the WSP.	$ 120,000	$ -	$ -	$ 120,000
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										General Water - FY 2026	**$ 230,000**	**$ -**	**$ -**	**$ 230,000**
										Water Projects - FY 2026	**$ 4,048,000**	**$ -**	**$ 103,000**	**$ 2,621,200**

NOTE: D - Design

WASTEWATER

Wastewater

Planning Documents

- 2020 Amendment No. 1 to the 2015 General Sewer Plan Update (JUB Engineers)
- 2015 General Sewer Plan Update adopted by City Resolution 2015-129 (JUB Engineers)
- 1999 City of Walla Walla Urban Growth Area Water and Wastewater Study (Economic and Engineering Services, Inc.)
- 1997 Wastewater Treatment Facilities Plan (CH2M Hill)
- 1998 Wastewater Treatment Facilities Plan Addendum No. 1 (Kimball/Esvelt)

Treatment

The City of Walla Walla owns an advanced secondary domestic wastewater treatment plant, which provides Class A effluent. The facility is permitted by the Washington Department of Ecology (Ecology) under Permit WA-002462-7.

Construction of the facility began in 1928, with several expansions and/or modifications being constructed since its inception.

A 1927 court-ordered water rights agreement obligates Walla Walla to provide reclaimed water to two irrigation districts, Gose and Blalock. Prior to 1996, the effluent from the Wastewater Treatment Plant received only secondary treatment and disinfection before it was received by either of the irrigation districts. Since this reclaimed water was being used to irrigate food crops, the City's treatment facility had to be upgraded to meet the state's new Class A reclaimed water standards or the City had to provide the irrigation districts with an alternative source of water. Per court actions and previous agreements, Gose Irrigation District is entitled to 1.77 cubic feet per second (cfs) or 1.14 million gallons per day (MGD). Blalock Irrigation District's water right is 9.38 cfs or 6.06 MGD.

In 1996, Walla Walla and Ecology agreed that the preferred alternative would be to upgrade the facility to meet Class A reclaimed water standards for food crop irrigation. It was determined that the necessary upgrades to enhance water quality would be constructed under a three phased plan to meet the following criteria:

Walla Walla Water Reclamation Project – Summary of Improvements By Phase

Phase/Date	Description	Objective
Phase 1 12/31/2000 $19,829,000	*Fine Screening	*Remove Plastics, etc.
	*Install Activated Sludge Advanced Secondary Treatment – Aeration Basin, Anoxic Basins, Clarifiers, RAS/WAS Pumps	*Effluent CBOD limits and interim effluent NH3 limits
	*Improved Sludge Treatment – Thickening, Upgrade Digestion, Dewatering, Storage facilities	*Treat additional sludge from added BOD/NH3 removal processes
	*Improve Disinfection System	*Eliminate toxic gas spill hazard
	*Control Building & SCADA Upgrades	*Upgrade lab & control system
	*Standby Generator	*Added reliability – backup power
	*Septage Receiving	*New facility to accept septage
Phase 2A 12/31/2003 $1,128,000	*Added Fine Screening Unit	*Added reliability – screening
	*Effluent Filter Improvements	*Ambient water quality NH3 limits
	*Added Sludge Dewatering	*Sludge handling and treatment
Phase 2B 05/17/2005 $3,360,000	*Effluent & Irrigation Flow Meters	*Flow control/measurements
	*Sludge Mixing & Storage	*Sludge handling and storage
	*Overflow and SCADA Improvements	*Control system upgrade
	*Disinfection Improvements - UV	*Improve pathogen removal
Phase 3 12/31/2008 $6,523,000	*Storage Lagoon (18 MG – 3 days)	*Emergency Secondary Containment
	*Effluent Filter Additions	*Meet Class A Reclaimed Water Standards – improve effluent quality – NH3 limits
	*Side Stream Treatment Equalization	*Accurate distribution of flow to Irrigation Districts
	*Waste Gas Scrubber	*Reduce pollutants/corrosion – Improve air quality and reliability

Table taken from the City of Walla Walla Wastewater Facility Plan, Addendum No. 1, July 2003, Kimball Engineering/Esvelt Environmental Engineering

The updated wastewater treatment facility produces an advanced secondary treated Class A effluent that is discharged either to the Gose and Blalock (#3) Irrigation Districts or directly to Mill Creek. The discharge to Mill Creek is limited to the

winter months (December through April), or when the irrigation districts don't elect to use the water.

Treatment Plant Operations
In 2000, the City contracted operation and maintenance of the plant and five sewage pump stations to the private plant operations firm CH2MHILL/OMI (now known as CH2M).

CH2M provides an annual report to the City summarizing plant activities and operations for the prior year.

Class B Biosolids
Approximately 520 (dry) tons of Class B biosolids are land applied at the Landfill property.

Future Growth and Permit Compliance Limitations
With the completion of Walla Walla's Class A-Water Reclamation Facility, the City is able to accommodate growth and treatment requirements within the Urban Growth Area well beyond 2032. The average daily flow design capacity of the treatment facilities is 9.6 MGD and current average daily flows are less than 6 MGD. The design population equivalent is 48,000 with a current City population estimated at about 33,000.

The two parameters of concern for future compliance with permit limitations include Total Nitrogen and PCBs. PCB concentrations are being monitored, and are exceeding the identified limit of 0.0062 grams per day. The compliance schedule to meet the PCB permit limitation extends until January 1, 2019, providing a six year window of time to address PCB removal. The future Total Nitrogen Load, expressed as TKN in pounds per day (lbs/day) may exceed the NPDES permit that establishes the maximum average daily load to be less than 1,871 lbs/day, with the three maximum month average being less than 1,590 lbs/day. The current average TKN daily load is about 1,400 lbs/day.

The average daily load of TKN is expected to be less than 1,871 lbs/day until a population of 48,000 is reached (estimated 2070+/-). However, if the actual flow or waste load of TKN reaches 85% (1,590 lbs/day in 2032) of any one of the design criteria for three consecutive months, then a plan to address the objective of maintaining the plant capacity would be required to be prepared by the City per WAC 173-240-060. This would allow the City ample time to evaluate the facilities, various conditions, to schedule any necessary improvements, and to continue to achieve the conditions of the permit.

The Wastewater Treatment portion of the Capital Expenditure Plan focuses on improvements needed to upgrade some of the obsolete/aging equipment and to extend the operational life of certain facilities. Enhanced treatment needs are yet to be determined.

Collections System
Sewage generated in the City is collected and transported to the treatment plant via gravity service laterals, collection sewers, lift stations, force mains, and pump stations. The system contains approximately 144 miles of sewer mains and 2,700 manholes. The City has current contracts to accept sewage from the Port of Walla Walla and the US Veterans Medical Center. Both agencies have non-City water systems but transport their sewage into the City collection and treatment systems.

In 1978, the City realized that due to extended age, many of the collection system components have outlived their useful life and are beginning to fail. After recognizing that high inflow and infiltration (I/I) of rain and groundwater was a partial source of high treatment costs, the City initiated a sewer line replacement program. The initial six year program started in 1979 with funding set at $200,000 for replacement work per year. In 1993, the funding was increased to $400,000 per year for 1994 to 1998. The sewer replacement budget in 1998 was set at $631,000 for projects in 1999.

The investment for replacement of 81,600 feet of sewer mains from 1979 through 1993 totaled $2,800,000. From 1994 through 1997, 24,600 feet of mains were replaced for about $1,600,000. In 1998, approximately 5,200 feet of sewer main was replaced for the budgeted amount of $631,000. Between 1978 and 2011 about 45.8 miles of sewer mains have been installed, which represents about 32% of the total length of the collection system. This leaves about 2/3 of the collection system being over 35 years old.

Several portions of the sewer collection system consist of older, undersized 6" clay sewer mains that have exceeded their useful life. Over 12,100 LF of the collections system has structural damage, and needs to be replaced in the near future.

In 2013, several manholes along Cherry Street and other locations were chemically grouted with a polyurethane material to seal the infiltration of groundwater from entering the collection system. Other mains along Bryant Creek and Frazier Drive were lined with Cured-In Place-Pipe (CIPP) trenchless pipe technology. Initial reduction in infiltration from these projects and the IRRP program indicates that yearly average flows at the WW Treatment Plant have been reduced by about 0.8 million gallons per day (5.98 to 5.28 MGD).

Due to rapid growth and development from 2003 to 2008, the City developed a sewer model to better understand the impact of growth on downstream sewer collection main capacities. This model has helped to assure concurrency of necessary collection system improvements with potential growth in these underdeveloped areas.

City crews have been compiling a comprehensive library of videos of the sewer mains for the past several years. With the system televised, each pipe segment was evaluated and rated on a scale of 0 to 100 with 0 being a great condition pipe segment. Videos of over 2,050 sewer mains have been reviewed and scored based on the condition of the pipe. 319 of the 2,050+ mains reviewed have been scored between 75 and 100. 108,000 feet of the total sewer collection system (of 761,000 feet) is in need of major repairs or replacement. There were 34 sewer mains that scored 100, representing that 12,140 feet of the City's mains have serious defects. Over 45,000 feet of main scored over 90 and need to be addressed in the near future. Replacement of this portion of the system would require a total investment of approximately $27,000,000.

With the pipe segment scoring complete, a General Sewer Plan Update was able to take that data and finalize the Sewer Collection portion of the new General Sewer Plan, which will complement the Wastewater Treatment Facility Plan completed in 1996.

The General Sewer Plan Update included calibration of the existing sewer model to address flow capacity deficiencies, while the sewer videos document the extent of failing pipe conditions. Combined with known high maintenance sewer mains and recent sewage overflows, the prioritization of planned improvements has been scheduled to match available funding with the most efficient replacement program. Prevention of future sewage overflows are also a primary focus of this program.

In 2010, the City initiated an Infrastructure Repair and Replacement Program (IRRP) sewer rate increase to be utilized to replace the sewer system in areas that also have failing water, stormwater and roadway facilities.

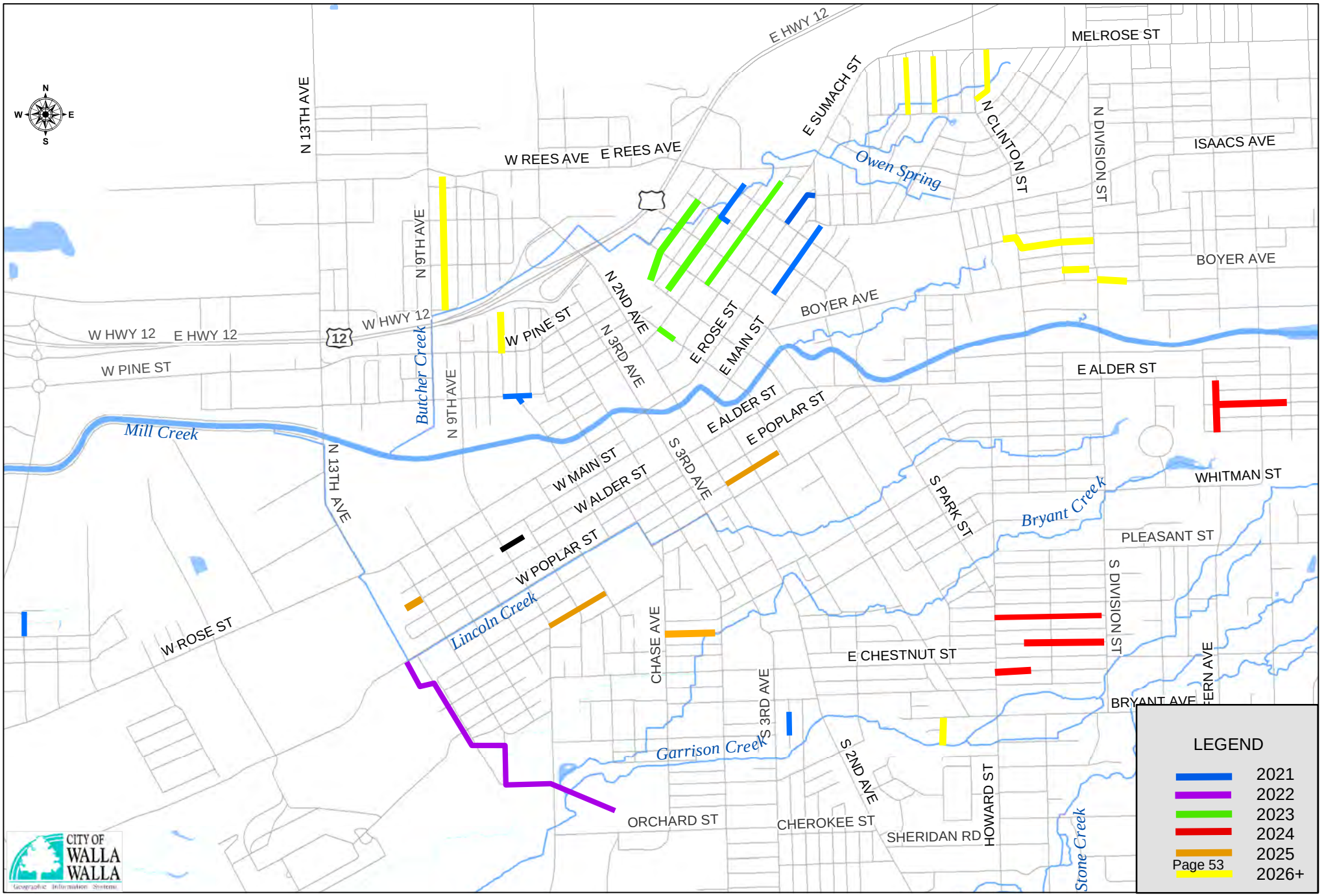
Several areas in the City have sewer mains in the alley, with water and storm facilities in the streets. This has precluded these areas from IRRP consideration and therefore, other funding sources must be dedicated towards addressing these alley sewer collection systems.

While Inflow and Infiltration (I/I) has been greatly reduced with the installation of almost 46 miles of collection mains since 1978, I/I remains a concern. Ecology requires the City file an annual report that addresses I/I flows by comparing the low flow (dry) season with flows during the high flow (wet) period. In 2000, Ecology established a base I/I of 2.7 MGD or 28% of the average design flow of 9.6 MGD at the treatment plant. In 2011, I/I was 23% of the average design flow, a decrease of 5%. Continued efforts to identify and replace the worst sewer mains has reduced this to 12%, a reduction of 16% below the 2007 mark (note: total rainfall in 2013 was 12.2" vs average of 19.3"). As the volume of I/I is decreased, pumping and treatment expenses are reduced, capacity for future growth will be increased and the need for future treatment facility expansion (flow capacity) will be delayed.

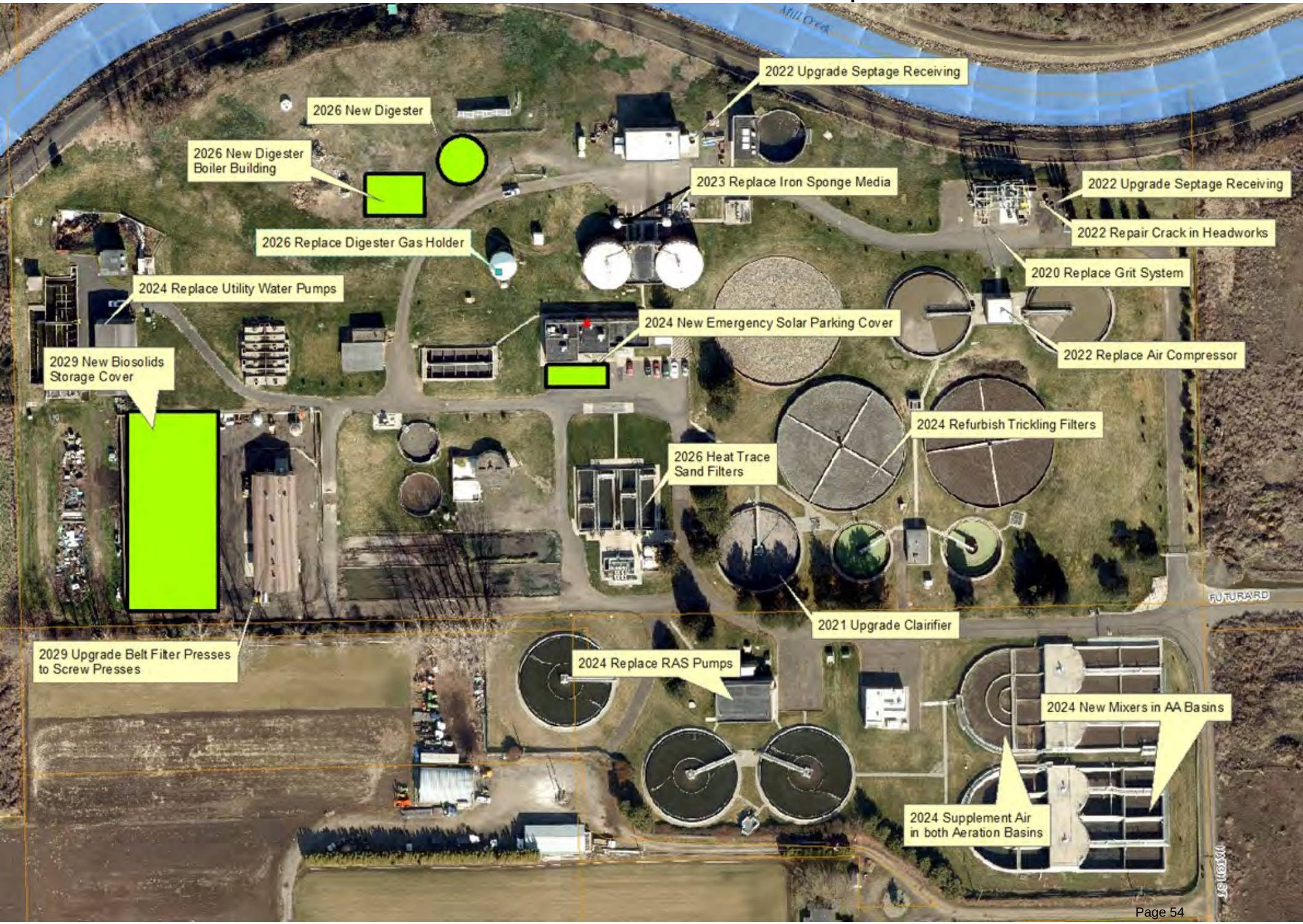
Financial

In December 2015, City Council adopted a 6-year utility rate increase to support on-going repair and replacement of wastewater facilities.

WASTEWATER CAPITAL FACILITIES PLAN 2021- 2026



2021-2026 Wastewater Treatment Plan Improvements



Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Wastewater Fund FY 2021
WASTEWATER COLLECTION PROJECTS														
CIP	New	2021 - Sewer Main Replacement Project (2020 - $200,000).	D	C						The project includes replacement of 2,645 linear feet of sewer main replacement in 4 separate section of town. They include the Park/Tukannon/Touchet area, 6th/Cherry intersection, St. John alley, and Kenwood from Artesia to Electric.	$ 1,200,000	$ -	$ -	$ 1,000,000
CIP	New	2022 - Sewer CIPP Project. (2022 - $876,000)		D	C					This project lines 3,618 linear feet of trunk sewer main from Garrison Middle School to Poplar Street. The trunk sewer main is 24-inch and 21-inch in diameter. This segment of pipe has a high consequence of failure making it a priority for rehabilitation.	$ 976,000	$ -	$ -	$ 100,000
										Wastewater Collection - FY 2021	**$ 2,176,000**	**$ -**	**$ -**	**$ 1,100,000**
WASTEWATER TREATMENT PLANT PROJECTS														
CIP	New	WWTP - Trickling Filter Clarifier Conversion to Industrial Waste Holding Tank 2020 Design - $125,000	D	C						The project converts the existing trickling filter clarifier to an industrial waste holding tank. This project will provide the ability to monitor and test slug loads from the industrial waste sewer main prior to entering into the treatment process.	$ 525,000	$ -	$ -	$ 400,000
CIP	New	WWTP - Phase 1 Plant Upgrade Project 2022 Construction - $1,348,000		D	C					In accordance with the General Sewer Plan, Amendment 1, this project replaces the following failing infrastructure at the WWTP; Receiving Station No. 1 Pump, Pista Grit System, VFD Power Monitors, PLC's in the Control building, Air compressor that drives the primary sludge pumps, and restoration of the Headworks concrete structure. This project also installs a new receiving station for domestic sewage, which is driven by regulatory requirements.	$ 1,712,960	$ -	$ -	$ 364,960
O&M	New	Study to Re-Rate Treatment Plant Capacity 2020 Funding = $75,000	X	X						An engineering report using recent operating data to calculate treatment plant capacity. The WWTP influent BOD load is projected to reach design capacity in 2020. DOE requires that a plan and a schedule for continuing to maintain capacity be submitted.	$ 155,000	$ -	$ -	$ 80,000
										Wastewater Treatment Plant - FY 2021	**$ 2,392,960**	**$ -**	**$ -**	**$ 844,960**
GENERAL WASTEWATER PROJECTS														
CIP	New	Wastewater System Financial Planning Update and Cost of Service Analysis (Funded in 2020)	X	X						Consultant review of Wastewater System Plan and current rate structure to determine if rates are able to cover projected infrastructure needs. Performed every 6 years.	$ 100,000	$ -	$ -	$ -
CIP	New	Spring Terrace Pump Station Upgrade 2020 Design - $100,000	D	C						Replace the existing pumps with duplex pumps plus one spare pump. Replace piping, valves and valve vault. Perform site restoration and installation of perimeter fence and gate. The existing lift station is high maintenance and the suction lift pump system often fails to work.	$ 482,000	$ -	$ -	$ 382,000
											$ -	$ -	$ -	$ -
										General Wastewater - FY 2021	**$ 582,000**	**$ -**	**$ -**	**$ 382,000**
										WASTEWATER PROJECTS - FY 2021	**$ 5,150,960**	**$ -**	**$ -**	**$ 2,326,960**

NOTE: D - Design
C - Construction
X - Design and Construction

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Wastewater Fund FY 2022
WASTEWATER COLLECTION PROJECTS														
CIP	New	2022 - Sewer CIPP Project (2021 - $100,000).		D	C					This project lines 3,618 linear feet of trunk sewer main from Garrison Middle School to Poplar Street. The trunk sewer main is 24-inch and 21-inch in diameter. This segment of pipe has a high consequence of failure making it a priority for rehabilitation.	$ 976,000	$ -	$ -	$ 876,000
CIP	New	2023 - Sewer Main Replacement Project (2023 - $2,650,000).			D	C				This project includes replacement of 4,035 linear feet of 6 inch and 8 inch sewer main with 8 inch sewer pipe in Sumach, Cherry, Oak, Pine alleys.	$ 3,000,000	$ -	$ -	$ 350,000
										Wastewater Collection - FY 2022	**$ 3,976,000**	**$ -**	**$ -**	**$ 1,226,000**
WASTEWATER TREATMENT PLANT PROJECTS														
CIP	New	WWTP - Phase 1 Plant Upgrade Project 2021 Design - $364,960		D	C					In accordance with the General Sewer Plan, Amendment 1, this project replaces the following failing infrastructure at the WWTP; Receiving Station No. 1 Pump, Pista Grit System, VFD Power Monitors, PLC's in the Control building, Air compressor that drives the primary sludge pumps, and restoration of the Headworks concrete structure. This project also installs a new receiving station for domestic sewage, which is driven by regulatory requirements.	$ 1,712,960	$ -	$ -	$ 1,348,000
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										Wastewater Treatment Plant - FY 2022	**$ 1,712,960**	**$ -**	**$ -**	**$ 1,348,000**
GENERAL WASTEWATER PROJECTS														
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										General Wastewater - FY 2022	**$ -**	**$ -**	**$ -**	**$ -**
										WASTEWATER PROJECTS - FY 2022	**$ 5,688,960**	**$ -**	**$ -**	**$ 2,574,000**

NOTE:
D - Design
C - Construction
X - Design and Construction

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Wastewater Fund FY 2023
WASTEWATER COLLECTION PROJECTS														
CIP	New	2023 - Sewer Main Replacement Project (2022 - $350,000).			D	C				This project includes replacement of 4,035 linear feet of 6 inch and 8 inch sewer main with 8 inch sewer pipe in Sumach, Cherry, Oak, Pine alleys.	$ 3,000,000	$ -	$ -	$ 2,650,000
CIP	New	2024 - Sewer Main Replacement Project (2024 - $1,914,000).				D	C			This project includes replacement of 2,665 linear feet of alley sewer main between Howard and Division north of Maple and south of Juniper. Also includes sewer main replacement east of Pioneer Park	$ 2,164,000	$ -	$ -	$ 250,000
										Wastewater Collection - FY 2023	**$ 5,164,000**	**$ -**	**$ -**	**$ 2,900,000**
WASTEWATER TREATMENT PLANT PROJECTS														
CIP	New	WWTP - Replace Iron Sponge Media				X				Remove and replace the iron sponge media that removes hydrogen sulfide from the anaerobic digester.	$ 87,200	$ -	$ -	$ 87,200
CIP	New	WWTP - Phase 2 Plant Upgrade Project 2024 Construction - $6.736,560				D	C			In accordance with the General Sewer Plan, Amendment 1, this project increases plant capacity through the addition of a third surface aerator to each basin and modification of the of the AA-10 and AA-20 tanks for peak flow shavings and load equalization. This project will also replace the following components at the end of useful life; Mixers in the AA and AO tanks, refurbish trickling filter system, utility water pumps and RAS pumps. To increase response times for emergency response vehicles during inclement weather, a parking shelter with solar power is also included in this project.	$ 7,686,560	$ -	$ -	$ 950,000
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										Wastewater Treatment Plant - FY 2023	**$ 7,773,760**	**$ -**	**$ -**	**$ 1,037,200**
GENERAL WASTEWATER PROJECTS														
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										General Wastewater - FY 2023	**$ -**	**$ -**	**$ -**	**$ -**
										WASTEWATER PROJECTS - FY 2023	**$ 12,937,760**	**$ -**	**$ -**	**$ 3,937,200**

NOTE: D - Design
C - Construction
X - Design and Construction

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Wastewater Fund FY 2024
WASTEWATER COLLECTION PROJECTS														
CIP	New	2024 - Sewer Main Replacement Project (2023 - $250,000).				D	C			This project includes replacement of 2,665 linear feet of alley sewer main between Howard and Division north of Maple and south of Juniper. Also includes sewer main replacement east of Pioneer Park	$ 2,164,000	$ -	$ -	$ 1,914,000
CIP	New	2025 - Sewer Main Replacement Project (2025 -$1,275,000)					D	C		This project includes the replacement of 2,360 linear feet of alley sewer main in various areas of the City.	$ 1,500,000	$ -	$ -	$ 225,000
										Wastewater Collection - FY 2024	**$ 3,664,000**	**$ -**	**$ -**	**$ 2,139,000**
WASTEWATER TREATMENT PLANT PROJECTS														
CIP	New	WWTP - Phase 2 Plant Upgrade Project 2023 Design - $950,000				D	C			In accordance with the General Sewer Plan, Amendment 1, this project increases plant capacity through the addition of a third surface aerator to each basin and modification of the of the AA-10 and AA-20 tanks for peak flow shavings and load equalization. This project will also replace the following components at the end of useful life; Mixers in the AA and AO tanks, refurbish trickling filter system, utility water pumps and RAS pumps. To increase response times for emergency response vehicles during inclement weather, a parking shelter with solar power is also included in this project.	$ 7,686,560	$ -	$ -	$ 6,736,560
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										Wastewater Treatment Plant - FY 2024	**$ 7,686,560**	**$ -**	**$ -**	**$ 6,736,560**
GENERAL WASTEWATER PROJECTS														
CIP	New	General Sewer Plan Update					X			Update the General Sewer Plan that was completed in 2015. This update will provide a 10 year plan update 2025 through 2035.	$ 250,000	$ -	$ -	$ 250,000
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										General Wastewater - FY 2024	**$ 250,000**	**$ -**	**$ -**	**$ 250,000**
										WASTEWATER PROJECTS - FY 2024	**$ 11,600,560**	**$ -**	**$ -**	**$ 9,125,560**

NOTE: D - Design
C - Construction
X - Design and Construction

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Wastewater Fund FY 2025
WASTEWATER COLLECTION PROJECTS														
CIP	New	2025 - Sewer Main Replacement Project (2024 - $225,000)					D	C		This project includes the replacement of 2,360 linear feet of alley sewer main in various areas of the City.	$ 1,500,000	$ -	$ -	$ 1,179,000
CIP	New	2026 - Sewer Main Replacement Project (2026 - $500,000)						D	C	Place Holder for 2026 Sewer Main Replacement Project. To be determined with 2024 General Sewer Plan Update.	$ 600,000	$ -	$ -	$ 250,000
										Wastewater Collection - FY 2025	**$ 2,100,000**	**$ -**	**$ -**	**$ 1,429,000**
WASTEWATER TREATMENT PLANT PROJECTS														
CIP	New	WWTP - Phase 3 Plant Upgrade Project 2026 Construction - $12,078,640						D	C	In accordance with the General Sewer Plan, Amendment 1, this project increases plant capacity through the addition of new anaerobic digester. To meet regulatory requirements , this project will include the construction of a separated Anaerobic Digester Boiler Building. This project will also replacing the following plant components that are near end of life: PLC upgrades in the influent PS, Primary Sludge PS, Track Heat Tape on the sand filters, Anaerobic Digester Boilers, Digester Gas Holder, and SCADA System.	$ 13,626,640	$ -	$ -	$ 1,548,000
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										Wastewater Treatment Plant - FY 2025	**$ 13,626,640**	**$ -**	**$ -**	**$ 1,548,000**
GENERAL WASTEWATER PROJECTS														
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										General Wastewater - FY 2025	**$ -**	**$ -**	**$ -**	**$ -**
										WASTEWATER PROJECTS - FY 2025	**$ 15,726,640**	**$ -**	**$ -**	**$ 2,977,000**

NOTE:
D - Design
C - Construction
X - Design and Construction

Project Class	Project Number	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Wastewater Fund FY 2026
WASTEWATER COLLECTION PROJECTS														
CIP	New	2026 - Sewer Main Replacement Project (2025 - $100,000)						D	C	Place Holder for 2026 Sewer Main Replacement Project. To be determined with 2024 General Sewer Plan Update.	$ 600,000	$ -	$ -	$ 500,000
CIP	New	2027 - Sewer Main Replacement Project (2027 - $500,000)							D	Place Holder for 2027 Sewer Main Replacement Project. To be determined with 2024 General Sewer Plan Update.	$ 600,000	$ -	$ -	$ 100,000
										Wastewater Collection - FY 2026	**$ 1,200,000**	**$ -**	**$ -**	**$ 600,000**
WASTEWATER TREATMENT PLANT PROJECTS														
CIP	New	WWTP - Phase 3 Plant Upgrade Project 2026 Design - $1,548,000						D	C	In accordance with the General Sewer Plan, Amendment 1, this project increases plant capacity through the addition of new anaerobic digester. To meet regulatory requirements , this project will include the construction of a separated Anaerobic Digester Boiler Building. This project will also replacing the following plant components that are near end of life: PLC upgrades in the influent PS, Primary Sludge PS, Track Heat Tape on the sand filters, Anaerobic Digester Boilers, Digester Gas Holder, and SCADA System.	$ 13,626,640	$ -	$ -	$ 12,078,640
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										Wastewater Treatment Plant - FY 2026	**$ 13,626,640**	**$ -**	**$ -**	**$ 12,078,640**
GENERAL WASTEWATER PROJECTS														
CIP	New	Wastewater System Financial Planning Update and Cost of Service Analysis							X	Consultant review of Wastewater System Plan and current rate structure to determine if rates are able to cover projected infrastructure needs. Performed every 6 years.	$ 120,000	$ -	$ -	$ 120,000
											$ -	$ -	$ -	$ -
											$ -	$ -	$ -	$ -
										General Wastewater - FY 2026	**$ 120,000**	**$ -**	**$ -**	**$ 120,000**
										WASTEWATER PROJECTS - FY 2026	**$ 14,946,640**	**$ -**	**$ -**	**$ 12,798,640**

NOTE: D - Design
C - Construction
X - Design and Construction

STORMWATER

Stormwater

Walla Walla means "many small streams" as many small tributaries and spring-fed creeks flow through the valley. Many of these creeks are considered to be valued amenities in some neighborhoods, while in some areas they can be nuisances with overgrown vegetation, fences and other obstructions. These creeks are known to cause minor, localized flooding and property damage during heavy rainfall and peak snow melt runoff events. As the fifth oldest incorporated city in Washington State, much of the existing infrastructure of the community has been in service for over 100 years.

The City's Municipal Separate Storm Sewer System (MS4) serves a population of approximately 33,000 people within approximately 13.2 square miles (650 impervious acres). The system consists of approximately:

- 800 manholes
- 2,400 catch basins/inlets/bubble-ups
- 400 drywells
- 50 stormwater management facilities (ponds, bio-swales, oil/water separators)
- 50 miles of storm pipe
- 36 miles of open conveyance channels (ditches, streams, etc.)
- 200 outfalls
- 300 culverts

Planning Documents

- 2008 Walla Walla Watershed PCBs, Chlorinated Pesticides, Fecal Coliform, Temperature, pH & Dissolved Oxygen TMDL Water Quality Implementation Plan (Washington State Department of Ecology)
- 2009 Stormwater Program Implementation Plan (Otak, Inc.)
- 2011 Public Involvement and Education Plan (URS Corporation)
- 2011 Outfall Reconnaissance Inventory and Assessment for Mill, Yellowhawk and Garrison Creeks (URS Corporation)
- 2011 Underground Injection Control Inventory (URS Corporation)
- 2013 Outfall Reconnaissance Inventory and Assessment for Bryant, Butcher, Lincoln, Barber, Stone and remaining smaller creeks (URS Corporation)
- 2013 Underground Injection Control Facilities Assessment (URS Corporation)
- 2011 Service Center Stormwater Pollution Prevention Plan (URS Corporation)
- 2011 Illicit Discharge Detection and Elimination Program Manual (URS Corporation)
- 2011 Stormwater Pollution Prevention Operations and Maintenance Plan (URS Corporation)
- 2015 Comprehensive Stormwater Management Plan (URS Corporation)

Mill Creek Flood Control

Mill Creek flood control falls under the purview of the USACE though control of the Mill Creek diversion dam and Bennington Lake flood storage reservoir. Walla Walla County oversees the Mill Creek Flood Control District though the city.

NPDES Phase II Permit

The Phase II Permit outlines various stormwater program activities and implementation milestones that the City must follow to comply with the federal Clean Water Act (CWA). Walla Walla is expected to implement a SWMP that includes the required activities (minimum control measures), implement those activities within the required timeframes outlined in the permit term, and submit annual reports to Ecology each year to document compliance with permit requirements.

The Phase II Permit is broken down into the following components:

1. Public Education & Outreach
2. Public Involvement
3. Detect and Eliminate Polluted Illicit Discharges
4. Construction Site Pollution Prevention
5. Post-construction Pollution Prevention
6. Municipal Operations and Maintenance
7. Comply with Clean-up Plans for Polluted Waters
8. Record Keeping & Reporting
9. Pay Permit Fees and Program Costs

The initial Phase II Permit was issued in January 2007, reissued in August 2012, 2014, and in August 2019. The current permit expires July 31, 2024.

City of Walla Walla Stormwater Management Program (SWMP)
The City's SWMP consists of constructing the following elements:

1. Capital Improvement Program (CIP) – Ongoing capital repair and replacement program;
2. Operating & Maintaining Functional Stormwater Utility – Core management, maintenance, and operation functions necessary to provide a properly functioning utility to the public;
3. and Compliance with Minimum Regulatory Requirements – Required for the City to legally discharge stormwater to surface and ground waters.

- Underground Injection Control (UIC) Rule, as required by the federal Safe Drinking Water Act (SDWA) and the Washington State Underground Injection Control Program (Chapter 173-218 WAC)

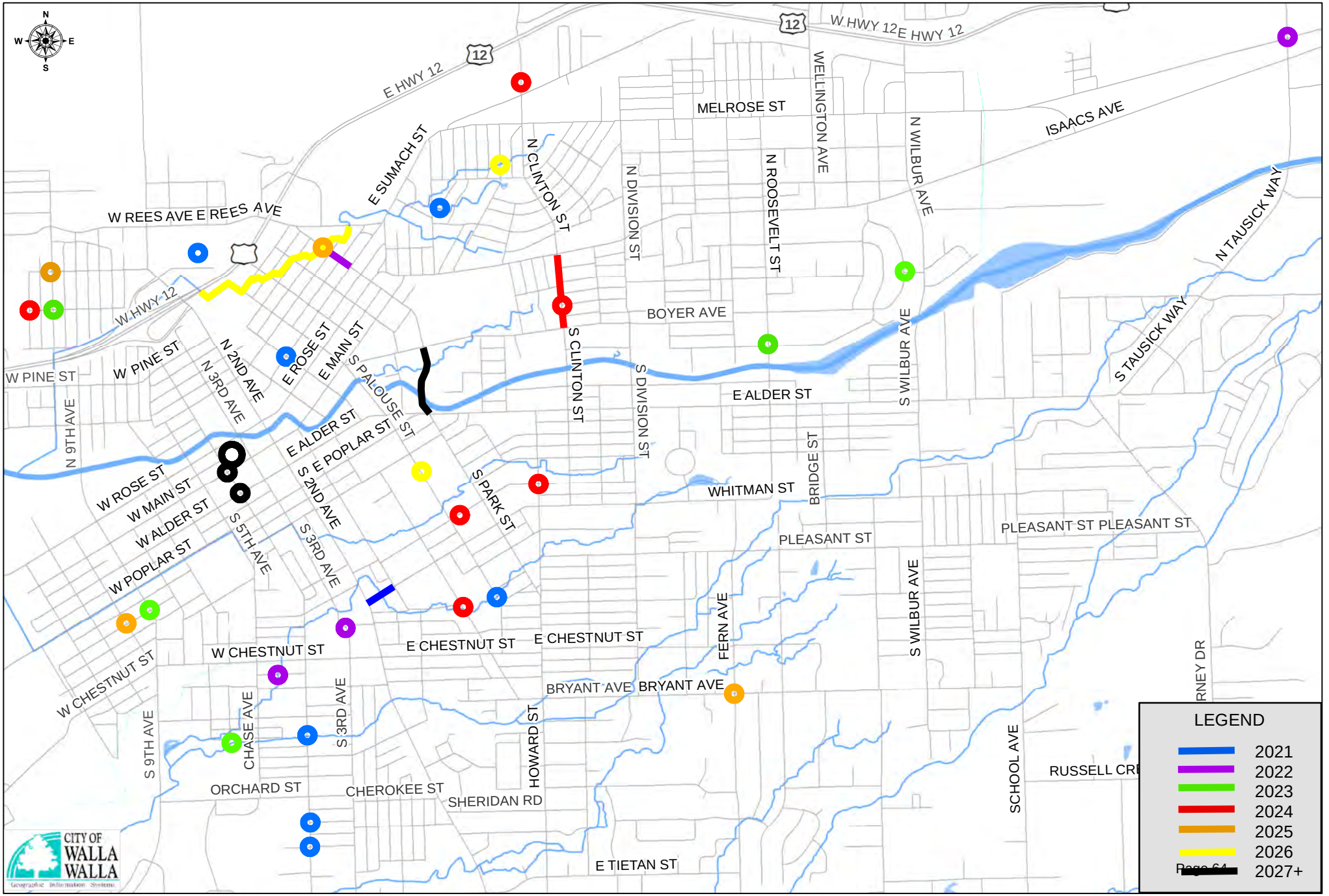
Underground Injection Control (UIC) Program
In addition to the Phase II Permit, Walla Walla must also address the requirements of Washington's UIC Program (RCW 90.48 and UIC Rule (Chapter 173-218 WAC)). The state's UIC program is designed to protect underground water sources from contamination by infiltration of pollutants from stormwater or other potential sources of spills or runoff.

To comply with the UIC Rule, URS Corporation was retained by the City to conduct risk-based UIC assessments for all existing (pre-2006) UIC wells to determine if they pose a potential threat to ground water quality. UIC wells that are determined to be a high threat to groundwater must be retrofitted or decommissioned to be protective of groundwater quality. High risk UICs require retrofits and are part of the Stormwater Capital Program.

An additional 89 UIC facilities (49 existing, 40 new) were estimated to be completed in, or within one foot of the seasonal high groundwater based on GIS based data. Site specific groundwater data and other site information will be compiled for these UIC's to determine the risk associated with these facilities. Following this, UIC's determined to be of high or moderate risk will be evaluated in more detail. Based on available funds, a more detailed program that accomplishes the retrofit or decommissioning program will be developed and implemented thereafter.

Financial
In December 2015, City Council adopted a 6-year utility rate increase to support on-going repair and replacement of wastewater facilities.

STORMWATER CAPITAL FACILITIES PLAN 2021 - 2026+



Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Stormwater Fund FY 2021
O&M	New	Service Center Shop Oil/Water Separator		X						Service Center - Install Oil/Water Separator per SWPPP. Construction to be performed by City Crews.	$ 30,000	$ -	$ -	$ 30,000
CIP	SW18001	S. 4th/Donald & Kenneth Stormwater Improvement Project	D	C						Replace Catch Basins and install new Underground Injection Control (UIC) facility.	$ 175,000	$ -	$ -	$ 20,000
CIP	SW18001	S. 4th Ave. to Garrison Creek Outfall Replacement Project	D	C						Repair structurally failed storm main and re-establish outfall drainage into Garrison Creek	$ 50,000	$ -	$ -	$ 40,000
CIP	SW18001	Spokane and Sumach Stormwater Separation Project	D	C						Existing two catch basins at Spokane Street and Sumach Street intersection are discharging to sanitary sewer. Project is to separate discharge from sanitary sewer and install UIC.	$ 30,000	$ -	$ -	$ 20,000
CIP	IRRP025	Culvert Crossing Replacement- Bryant Creek at S. Palouse Street (Participation in 2021 IRRP Project)	D	C						Culvert Reconditioning Project	$ 60,000	$ -	$ -	$ 50,000
CIP	New	N. Park Street from E. Sumach to E. Cherry Street Storm Main Replacement Project		D	C					Strom main replacement.	$ 60,000	$ -	$ -	$ 5,000
CIP	New	Culvert Crossing Replacement - Bryant Creek at alley between Chestnut and Maple Street		D	C					Culvert Reconditioning Project	$ 60,000	$ -	$ -	$ 10,000
CIP	New	Airport Road and Melrose Street Catch Basin Modification		D	C					Install down turned elbows on intersection catch basins	$ 20,000	$ -	$ -	$ 5,000
CIP	New	S. 3rd Ave. & Walnut St Stormwater Pond Enhancement		D	C					Enhance three existing stormwater ponds at the 3rd/Walnut intersection by installing Silva Cells and landscaping.	$ 100,000	$ -	$ -	$ 15,000
CIP	New	Stormwater System Financial Planning Update	X	X						Consultant review of Stormwater System Plan and current rate structure to determine if rates are able to cover projected infrastructure needs. Performed every 6 years.	$ 50,000	$ -	$ -	$ -
CIP	New	Additional Stormwater Fund Participation in CIP, IRRP, and TBD Project		X	X	X	X	X	X	These funds would be added to currently planned CIP, IRRP, & TBD Projects to cover needed stormwater improvements as they arise during the project investigation phase. Also includes funding to	$ 600,000	$ -	$ -	$ 100,000
										STORMWATER FUND FY 2021	**$ 1,235,000**	**$ -**	**$ -**	**$ 295,000**

NOTE: D - Design
C - Construction
X - Design and Construction

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Stormwater Fund FY 2022
CIP	New	N. Park Street from E. Sumach to E. Cherry Street Storm Main Replacement Project		D	C					Strom main replacement.	$ 60,000	$ -	$ -	$ 55,000
CIP	New	Culvert Crossing Replacement - Bryant Creek at alley between Chestnut and Maple Street		D	C					Culvert Reconditioning Project	$ 60,000	$ -	$ -	$ 50,000
CIP	New	Airport Road and Melrose Street Catch Basin Modification		D	C					Install down turned elbows on intersection catch basins	$ 20,000	$ -	$ -	$ 15,000
CIP	New	S. 3rd Ave. & Walnut St Stormwater Pond Enhancement		D	C					Enhance three existing stormwater ponds at the 3rd/Walnut intersection by installing Silva Cells and landscaping.	$ 100,000	$ -	$ -	$ 85,000
CIP	New	Francis Avenue and S. Roosevelt Street Stormwater Improvement Project			D	C				Replace Catch Basins and install new Underground Injection Control (UIC) facility.	$ 164,000	$ -	$ -	$ 20,000
CIP	New	Garrison Creek Outfall Rehabilitation - Harrison and Spring Street			D	C				Rehabilitation to outfall into Garrison Creek	$ 70,000	$ -	$ -	$ 10,000
CIP	New	University Street and Boyer Drive Stormwater Improvement Project			D	C				Replace Catch Basins and install new Underground Injection Control (UIC) facility.	$ 155,000	$ -	$ -	$ 30,000
CIP	New	9th Avenue and Birch Street UIC Installation			D	C				Installation of UIC at the 9th/Birch intersection to eliminate bubble-up catch basin system	$ 60,000	$ -	$ -	$ 10,000
CIP	New	Additional Stormwater Fund Participation in CIP, IRRP, and TBD Project		X	X	X	X	X	X	These funds would be added to currently planned CIP, IRRP, & TBD Projects to cover needed stormwater improvements as they arise during the project investigation phase. Also includes funding to replace undersized catch basins and/or inlets to facilitate DOE permit requirements and maintenance needs.	$ 600,000	$ -	$ -	$ 100,000
										STORMWATER FUND FY 2022	**$ 1,289,000**	**$ -**	**$ -**	**$ 375,000**

NOTE: D - Design
C - Construction
X - Design and Construction

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Stormwater Fund FY 2023
CIP	New	Francis Avenue and S. Roosevelt Street Stormwater Improvement Project			D	C				Replace Catch Basins and install new Underground Injection Control (UIC) facility.	$ 164,000	$ -	$ -	$ 144,000
CIP	New	Garrison Creek Outfall Rehabilitation - Harrison and Spring Street			D	C				Rehabilitation to outfall into Garrison Creek	$ 70,000	$ -	$ -	$ 60,000
CIP	New	University Street and Boyer Drive Stormwater Improvement Project			D	C				Replace Catch Basins and install new Underground Injection Control (UIC) facility.	$ 155,000	$ -	$ -	$ 125,000
CIP	New	9th Avenue and Birch Street UIC Installation			D	C				Installation of UIC at the 9th/Birch intersection to eliminate bubble-up catch basin system	$ 60,000	$ -	$ -	$ 50,000
CIP	New	N. Clinton Street north of E. Sumach Street Stormwater Improvement Project				D	C			Replace Catch Basins and install new UIC facility.	$ 100,000	$ -	$ -	$ 15,000
CIP	New	Culvert Crossing Replacement - Bryant Creek at Catherine Street				D	C			Culvert pipe rehabilitation and installation of sedimentation manhole.	$ 60,000	$ -	$ -	$ 10,000
CIP	New	N. Clinton and Pearson Street Catch Basin Replacement Project				D	C			Catch basin replacement	$ 20,000	$ -	$ -	$ 5,000
CIP	New	Howard and Newell Street Stormwater Improvement Project				D	C			Replace Catch Basins and install new Underground Injection Control (UIC) facility.	$ 40,000	$ -	$ -	$ 5,000
CIP	New	N. 10th Avenue - E. Elm to W. Moore Street Catch Basin UIC Installation				D	C			Replace Catch Basins and install new Underground Injection Control (UIC) facility.	$ 50,000	$ -	$ -	$ 7,000
CIP	New	N. Clinton Street - Boyer to Isaacs Stormwater Improvement Project				D	C			Catch basin and curb replacement to prevent ponding.	$ 250,000	$ -	$ -	$ 60,000
CIP	New	Newell Street Stormwater Improvement Project				D	C			Install Catch Basins and Stormwater Manhole on Newell just east of Palouse to reduce stormwater runoff travel distance.	$ 35,000	$ -	$ -	$ 5,000
CIP	New	Additional Stormwater Fund Participation in CIP, IRRP, and TBD Project		X	X	X	X	X	X	These funds would be added to currently planned CIP, IRRP, & TBD Projects to cover needed stormwater improvements as they arise during the project investigation phase. Also includes funding to replace undersized catch basins and/or inlets to facilitate DOE permit requirements and maintenance needs.	$ 600,000	$ -	$ -	$ 100,000
										STORMWATER FUND FY 2023	**$ 1,604,000**	**$ -**	**$ -**	**$ 586,000**

NOTE: D - Design
C - Construction
X - Design and Construction

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Stormwater Fund FY 2024
CIP	New	N. Clinton Street north of E. Sumach Street Stormwater Improvement Project				D	C			Replace Catch Basins and install new UIC facility.	$ 100,000	$ -	$ -	$ 85,000
CIP	New	Culvert Crossing Replacement - Bryant Creek at Catherine Street				D	C			Culvert pipe rehabilitation and installation of sedimentation manhole.	$ 60,000	$ -	$ -	$ 50,000
CIP	New	N. Clinton and Pearson Street Catch Basin Replacement Project				D	C			Catch basin replacement	$ 20,000	$ -	$ -	$ 15,000
CIP	New	Howard and Newell Street Stormwater Improvement Project				D	C			Replace Catch Basins and install new Underground Injection Control (UIC) facility.	$ 40,000	$ -	$ -	$ 35,000
CIP	New	N. 10th Avenue - E. Elm to W. Moore Street Catch Basin UIC Installation				D	C			Replace Catch Basins and install new Underground Injection Control (UIC) facility.	$ 50,000	$ -	$ -	$ 43,000
CIP	New	N. Clinton Street - Boyer to Isaacs Stormwater Improvement Project				D	C			Catch basin and curb replacement to prevent ponding.	$ 250,000	$ -	$ -	$ 190,000
CIP	New	Newell Street Stormwater Improvement Project				D	C			Install Catch Basins and Stormwater Manhole on Newell just east of Palouse to reduce stormwater runoff travel distance.	$ 35,000	$ -	$ -	$ 30,000
CIP	New	Stormwater Catch Basin Replacement / Retrofit Project					D	C		Project includes replacement, retrofit, and / or placement of catch basins throughout the City to comply with DOE permit requirements, eliminate localized ponding, and enhance maintenance ability. Locations Include; 10th - Birch, 9th - Paine, Clinton - Pearson, and Bryant - Fern intersections.	$ 80,000	$ -	$ -	$ 5,000
CIP	New	Creek Crossing Rehabilitation - Butcher Creek at Park and Cherry Street					D	C		Culvert pipe rehabilitation	$ 110,000	$ -	$ -	$ 10,000
CIP	New	Additional Stormwater Fund Participation in CIP, IRRP, and TBD Project		X	X	X	X	X	X	These funds would be added to currently planned CIP, IRRP, & TBD Projects to cover needed stormwater improvements as they arise during the project investigation phase. Also includes funding to	$ 600,000	$ -	$ -	$ 100,000
										STORMWATER FUND FY 2024	**$ 1,345,000**	**$ -**	**$ -**	**$ 563,000**

NOTE: D - Design
C - Construction
X - Design and Construction

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Stormwater Fund FY 2025
CIP	New	Stormwater Catch Basin Replacement / Retrofit Project					D	C		Project includes replacement, retrofit, and / or placement of catch basins throughout the City to comply with DOE permit requirements, eliminate localized ponding, and enhance maintenance ability. Locations Include; 10th - Birch, 9th - Paine, Clinton - Pearson, and Bryant - Fern intersections.	$ 80,000	$ -	$ -	$ 75,000
CIP	New	Creek Crossing Rehabilitation - Butcher Creek at Park and Cherry Street					D	C		Culvert pipe rehabilitation	$ 110,000	$ -	$ -	$ 100,000
CIP	New	Butcher Creek from E. Rees Avenue to Hwy 12 Storm Main Rehabilitation Project						D	C	Storm main rehabilitation	$ 250,000	$ -	$ -	$ 60,000
CIP	New	Culvert Crossing Replacement - Barber Creek at Valencia Street						D	C	Culvert Replacement Project	$ 60,000	$ -	$ -	$ 10,000
CIP	New	Catherine Street Groundwater Conveyance Project						D	C	Project will redirect groundwater pumped to curb at 364 Catherine Street to Lincoln Creek crossing 250' to the south.	$ 60,000	$ -	$ -	$ 10,000
CIP	New	Additional Stormwater Fund Participation in CIP, IRRP, and TBD Project		X	X	X	X	X	X	These funds would be added to currently planned CIP, IRRP, & TBD Projects to cover needed stormwater improvements as they arise during the project investigation phase. Also includes funding to replace undersized catch basins and/or inlets to facilitate DOE permit requirements and maintenance needs.	$ 600,000	$ -	$ -	$ 100,000
										STORMWATER FUND FY 2025	**$ 1,160,000**	**$ -**	**$ -**	**$ 355,000**

NOTE: D - Design
C - Construction
X - Design and Construction

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Stormwater Fund FY 2026
CIP	New	Butcher Creek from E. Rees Avenue to Hwy 12 Storm Main Rehabilitation Project						D	C	Storm main rehabilitation	$ 250,000	$ -	$ -	$ 190,000
CIP	New	Culvert Crossing Replacement - Barber Creek at Valencia Street						D	C	Culvert Replacement Project	$ 60,000	$ -	$ -	$ 50,000
CIP	New	Catherine Street Groundwater Conveyance Project						D	C	Project will redirect groundwater pumped to curb at 364 Catherine Street to Lincoln Creek crossing 250' to the south.	$ 60,000	$ -	$ -	$ 50,000
CIP	New	Stormwater System Financial Planning Update							X	Consultant review of Stormwater System Plan and current rate structure to determine if rates are able to cover projected infrastructure needs. Performed every 6 years.	$ 50,000	$ -	$ -	$ 50,000
CIP	New	Additional Stormwater Fund Participation in CIP, IRRP, and TBD Project		X	X	X	X	X	X	These funds would be added to currently planned CIP, IRRP, & TBD Projects to cover needed stormwater improvements as they arise during the project investigation phase. Also includes funding to replace undersized catch basins and/or inlets to facilitate DOE permit requirements and maintenance needs.	$ 600,000	$ -	$ -	$ 100,000
										STORMWATER FUND FY 2026	**$ 1,020,000**	**$ -**	**$ -**	**$ 440,000**

NOTE: D - Design
C - Construction
X - Design and Construction

SOLID WASTE – LANDFILL

Solid Waste – Landfill

Solid Waste Management Plan
An update to the 1994 Solid Waste Management Plan was completed in 2014 with the City of Walla Walla acting as the lead agency in accordance with the 2008 interlocal agreement with Walla Walla County.

The 2014 Walla Walla County Comprehensive Solid Waste and Moderate Risk Waste Management Plan (2014 Plan) provides background and guidance for a long-term approach to solid waste and moderate risk waste management in the region. This 2014 Plan comprises the combined comprehensive solid waste management plan (SWMP) and Local Hazardous Waste/Moderate Risk Waste (MRW) Plan for the incorporated and unincorporated areas of Walla Walla County.

Sudbury Regional Landfill (SRL) Master Plan
The City is currently developing a comprehensive solid waste master plan. The master plan will perform a solid waste management alternatives analysis, look at long-term needs over the next 50+ years, and develop a detailed 20 year capital improvement project list. The master plan is expected to be completed in 2021.

Sudbury Regional Landfill (SRL)
The Sudbury Regional Landfill is owned and operated by the City of Walla Walla and receives approximately 50,000 tons of waste per year. All landfill facilities are permitted by the Walla Walla County Health Department with annual updates required.

The Sudbury Landfill was opened in 1977. The potential capacity of the existing landfill site is sufficient for at least another 200 years (HDR capacity evaluation, January 24, 2014).

Presently, the active landfill area is occurring in Cells 1 and 2 of Area 7. Area 7 is a lined landfill unit. Construction of a liner in the Cell 3 was completed in 2017. The City is pursuing a switch from the historical “dry tomb” approach to a more advanced septage bioreactor approach to lengthen the life of the area, encourage waste degradation and enhance the potential for landfill gas reuse. A gas collection and flare system was installed with the closure of Area 6, but presently landfill gas is only being flared.

Waste received by the landfill includes medical waste, household hazardous waste, municipal solid waste (MSW), tires, white goods, concrete, and asbestos. The landfill does not accept hazardous wastes such as contaminated soil.

A compost facility was constructed in 2009 to process green waste into compost. Approximately 4,000 cubic yards of compost is produced each year. Sales have fluctuated greatly from year to year due to large projects taking place some years. Average sales fall into the 1,200-1,800 cubic yard range, which results in excess compost being surplused some years.

The Household Hazardous Waste (HHW) Facility at the landfill accepts and processes (for shipment/disposal) household hazardous waste for Walla Walla County residents. HHW products include motor oil, antifreeze, paint, solvent, gasoline, automotive and household batteries, pesticides, herbicides, household cleaners and white goods. Smoke detectors, ammunition and explosives are not accepted.

The Landfill has a staff of 10 FTEs that operate the scale house, hazardous waste facility, composting facility, and municipal solid waste facilities. Equipment used to manage the landfill operations includes a D8 Dozer, 23-yard scraper, 40-ton landfill compactor, road grader, two front end loaders, dump truck, drop box roll-off truck, water truck and several other small equipment items (compost loader, UTV, pickup trucks, etc.).

SRL Financial Assurance
Financial Assurance is a requirement of WAC 173-351-600. These regulations require that financial assurance is provided for closure of the largest area of all landfill units ever needing final cover, and that post-closure care financial assurance is prepared for all landfill units. The current Financial Assurance plan dated February 12, 2015 was completed by HDR Engineering, Inc. (HDR).

SRL Closure/Post-Closure Plan
HDR also prepared a revised Closure/Post-Closure Plan for SRL (October, 2015) and was used as the basis for the financial assurance estimates.

SRL Groundwater Remediation
The City has operated the Sudbury Road Landfill (SRL) since 1977. In 2001, Volatile Organic Compounds (VOC's) were detected in a monitoring well just west of unlined landfill Areas 5 and 6. In 2004, the City prepared a historical study and draft independent Remedial Investigation Work Plan. The 2004 Work Plan was not fully implemented due to budget constraints, but interim closure actions including grading, cover and drainage improvements were performed to protect groundwater.

On May 6, 2010, the Department of Ecology (DOE) sent the City of Walla Walla a Potentially Liable Person (PLP) notice for the Sudbury Road Landfill. This notice prompted the City to explore implementation of an Agreed Order with DOE to address liability concerns.

On February 24, 2011, by Resolution No. 2011-21, the City retained Schwyn Environmental Inc., to perform consulting services associated with the proposed Agreed Order remediation work. City staff, in partnership with consulting attorney William Joyce of JOYCE, ZIKER, PARKINSON, PLLC, and Schwyn Environmental Inc. negotiated the details of the proposed Agreed Order with Ecology. On May 26, 2011, the City of Walla Walla entered into Agreed Order No. 8456 with the Ecology to address the matter of Remedial Action at Sudbury Landfill. The Remedial Investigation – Feasibility Study (RI/FS) was completed in September 2014, and in August 2015, the City (Resolution 2015-058) entered into a Consent Decree (No. 152005368) with the Department of Ecology for clean-up actions. The Clean-up Action Plan was prepared in 2015, design plans prepared and construction being completed in 2016. Monitoring is expected to extend thru 2022. Funding for the remediation work at Sudbury has been provided by a Remedial Action Grant from the Department of Ecology, Landfill reserves and some participation from a prior insurance policy of the City's.

SRL Historical Documentation
Schwyn Environmental Services prepared a Historical Study Report on behalf of the City for the Sudbury Landfill (January 2006). The report describes the historical activities that occurred at the Sudbury Landfill from its inception in the mid-1970s into 2005.

Tausick Way Landfill (TWL)
From approximately 1935 up until the mid-1970s, municipal solid waste was disposed at the City's Tausick Way Landfill Site (TWL) in the northeasterly portion of Walla Walla. The TWL site consists of 78 acres of previously excavated gravel/rock mining operations that was filled with MSW and capped with a soil cover. The site was closed in 1979, under WAC 173-304.

Isaacs Inert Waste Landfill (IIWL)/Burdine property
The 15 acre Burdine property, also known as the Isaacs Inert Waste Landfill (IIWL) is located north of the TWL and fronts the south side of Isaacs Avenue. This site was reportedly encroached upon by TWL and was purchased by the City in 1999.

The City completed a remedial investigation of the Burdine property in 2005, and worked with Ecology to address the contamination in compliance with the Model Toxics Control Act (MTCA) requirements. The remedial action plan approved in 2006 included construction of a cover over the MSW using inert waste from City construction projects.

In 2011, the City applied for and was awarded a $200,000 Integrated Planning Grant (IPG) for the Burdine property to complete the following:

- Complete site characterization studies
- Consolidate existing planning documents, summarize potential site uses, identify property development challenges, and create a comprehensive site vision
- Prepare several site development scenarios

Schwyn Environmental Inc. completed the IPG study of the Burdine site in 2013.

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Landfill Fund FY 2021
O&M	O&M	Compost and Leachate Pond Leak Testing		X						Verification testing for pond liners.	$ 20,000	$ -	$ -	$ 20,000
O&M	LF20002	Comprehensive Solid Waste Management Plan 2020 - $100,000	X	X						Development of a comprehensive solid waste management plan. Includes solid waste management alternatives analysis, solid and moderate risk waste management plans, landfill facilities master planning, compost facilities master planning, landfill gas and leachate management design/planning, closure/post-closure/financial assurance planning, and operation and maintenance plans.	$ 250,000	$ -	$ -	$ 150,000
CIP	New	Sudbury Entrance Pavement Reconstruction and Compost Pad HMA Restoration/Rehabilitation. Construction 2022 - $1,260,000		D	C					Full depth reconstruction of the pavement of the original entrance road at the Sudbury Landfill, located just inside the front gate that extends to the North of the commercial scale and includes the employee parking lot. Project also includes restoration of the compost pad HMA.	$ 1,400,000	$ -	$ -	$ 140,000
O&M	O&M	Replace Tarping System		X						Replacement of tarping system for continued use versus posi-shell.	$ 40,000	$ -	$ -	$ 40,000
										LANDFILL FUND FY 2021	**$ 1,710,000**	**$ -**	**$ -**	**$ 350,000**

NOTE: D - Design
C - Construction
X - Design and Construction

* - Dependent upon regulatory agency approval.

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Landfill Fund FY 2022
CIP	New	Equipment Building (Construction 2023 - $1,300,000)			D	C				Replace Equipment Building, Construct Fueling Facility, Equipment Wash Rack, Upgrade Customer Drop-off areas.	$ 1,500,000	$ -	$ -	$ 200,000
O&M	New	Financial Plan Update			X					Prepare new six-year financial plan.	$ 150,000	$ -	$ -	$ 150,000
CIP	New	Sudbury Entrance Pavement Reconstruction and Compost Pad HMA Restoration/Rehabilitation. Construction 2021 - $140,000		D	C					Full depth reconstruction of the pavement of the original entrance road at the Sudbury Landfill, located just inside the front gate that extends to the North of the commercial scale and includes the employee parking lot. Project also includes restoration of the compost pad HMA.	$ 1,400,000	$ -	$ -	$ 1,260,000
O&M	New	Fill Plan Update			X					Update of the 2018 Fill Plan	$ 20,000	$ -	$ -	$ 20,000
										LANDFILL FUND FY 2022	**$ 3,070,000**	**$ -**	**$ -**	**$ 1,630,000**

NOTE: D - Design
C - Construction
X - Design and Construction

* - Dependent upon regulatory agency approval.

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Landfill Fund FY 2023
CIP	New	Equipment Building (Design 2022 - $200,000)			D	C				Replace Equipment Building, Construct Fueling Facility, Equipment Wash Rack, Upgrade Customer Drop-off areas.	$ 1,500,000	$ -	$ -	$ 1,300,000
CIP	New	Expansion of the landfill gas collection system of Area 7				X				Extension of the landfill gas collection main around the North end of Area 7 to cleanouts	$ 100,000	$ -	$ -	$ 100,000
O&M	New	Chip seal Landfill Road				X				Partner with Walla Walla County to chip seal landfill road from Sudbury Road to the Landfill entrance gate.	$ 75,000	$ -	$ -	$ 75,000
CIP	New	Flare Upgrade Construction 2023 - $1,000,000				D	C			Upsize landfill gas flare and vacuum system to accommodate additional landfill gas generated from the decomposition of waste as the landfill expands.	$ 1,060,000	$ -	$ -	$ 60,000
CIP	New	Public Drop Box and HHW Access Improvements Construction - $1,700,000				D	C			With a new equipment building constructed, the old equipment building will be demolished and the public access and traffic flow to the drop boxes and Household Hazardous Waste (HHW) will be redesigned to improve functionality an safety including a new tipping floor, pavement repairs, traffic signs and pavement markings.	$ 2,000,000	$ -	$ -	$ 300,000
O&M	New	Financial Plan Update				X				Prepare new six-year financial plan.	$ 150,000	$ -	$ -	$ 150,000
										LANDFILL FUND FY 2023	**$ 4,885,000**	**$ -**	**$ -**	**$ 1,985,000**

NOTE: D - Design
C - Construction
X - Design and Construction

* - Dependent upon regulatory agency approval.

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Landfill Fund FY 2024
CIP	New	Flare Upgrade Design 2023 - $60,000				D	C			Upsize landfill gas flare and vacuum system to accommodate additional landfill gas generated from the decomposition of waste as the landfill expands.	$ 1,060,000	$ 940,000	$ -	$ 1,000,000

LANDFILL FUND FY 2024	**$ 1,060,000**	**$ 940,000**	**$ -**	**$ 1,000,000**

NOTE: D - Design
C - Construction
X - Design and Construction

* - Dependent upon regulatory agency approval.

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Landfill Fund FY 2025

LANDFILL FUND FY 2025	$ -	$ -	$ -	$ -

NOTE:
D - Design
C - Construction
X - Design and Construction

* - Dependent upon regulatory agency approval.

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Landfill Fund FY 2026
										LANDFILL FUND FY 2026	$ -	$ -	$ -	$ -

NOTE:
D - Design
C - Construction
X - Design and Construction

* - Dependent upon regulatory agency approval.

SANITATION

Sanitation

The City operates a Sanitation Division utilizing a fleet of 12 vehicles providing waste collection for:

- Residential refuse;
- Optional residential green waste;
- Commercial refuse;
- Rented drop boxes; and
- Medical waste

Residential Recycling

Basin Disposal is contracted by the City to operate the residential curbside recycling program within the City Limits.

Operations Overview

Residential

The residential routes consist of daily collection, Monday through Friday. Each daily route is divided into three sections, with one automated side loader collection vehicle and operator servicing that sector. Approximately 8,500 accounts are serviced each week, with a total of roughly 9,600 containers of various sizes being emptied. Each truck averages about 125 service calls (dumps) each hour and makes two roundtrips to the landfill each day.

Green Waste

The green waste program runs from March through October. There are roughly 670 participants that subscribe to this voluntary program. The program is seasonal due to difficulty of emptying wet or frozen waste from the containers during the winter months. The green waste containers are picked up on the same day of the week that the participant's regular and recycling containers are serviced. While participation in the Green Waste program is becoming more popular each year, the service does cost about $11 more per month, so less than 10% of the accounts currently subscribe to this service.

The Green Waste truck is a side loader collection vehicle and operator that averages about 45 dumps per hour, as the customers are further apart. Due to fewer dumps to make, one truck is able to service all three sectors on that daily route and it makes a single roundtrip to the landfill.

Commercial

The commercial route services over 420 accounts, many of these accounts are serviced multiple times a week and many have multiple containers. The number of accounts serviced per day ranges from 106 to 115 stops. One crew consisting of two employees and one rear load collection truck work Monday through Friday (and holidays) and dump 127 to 145 bins per day. Bin sizes range from 1 to 10 cubic yards, with a few 30 gallon cans that are manually dumped for the smaller waste accounts.

Drop Box

The drop box route has 28 scheduled service calls each week. In addition, there are 32 accounts that are unscheduled on-call. The City has 37 spare boxes that are available for temporary commercial, industrial and residential use. One crew and truck service this route each day.

Medical Waste

The Medical Waste route has 30+ accounts, with some being collected weekly, while others only require collection once or twice a year. Medical pickups are scheduled each Friday.

Community Programs

In addition to the daily servicing of various waste collection routes, the Sanitation Division also supports a variety of programs that benefit residential and commercial customers, including:

- Downtown Bird Control: control of bird and tree rodent populations in the Downtown area
- Annual Leaf Collection Program: City wide leaf collection by the Street Division
- Landfill Pass Program: residential customers receive one free landfill pass each year
- Downtown Trash Collection: collect and dispose of trash from the Downtown area

SANITATION FUND - FY 2021 TO 2026 - CFP - 9/15/2020

Project Class	Project #	Project Name	2020	2021	2022	2023	2024	2025	2026+	Project Description	Total Project Cost	Estimated Funding Shortfall	Grants / Private / Other	Sanitation Fund FY 2021 to 2026
CIP	New	Expand Covered Parking/Plug-in area for Sanitation 2021 Design $100,000 2022 Construction $300,000		D	C					Expand the existing covered parking area for sanitation truck parking including plug-in system for block heaters.	$ 400,000	$ -	$ -	$ 400,000
CIP	New	Financial Plan Update				X				New 6-year financial plan	$ 100,000	$ -	$ -	$ 100,000
O&M	New	Efficiency Audit				X				Efficiently Audit to examine RFID system, GPS Routing, etc.	$ 40,000	$ -	$ -	$ 40,000
										SANITATION FUND FY 2021 TO 2026	**$ 540,000**	**$ -**	**$ -**	**$ 540,000**

NOTE: D - Design
C - Construction
X - Design and Construction

FACILITIES

City Hall

Walla Walla's City Hall, located at 15 North Third Avenue, houses several general governmental offices including:

- City Council Chambers
- City Attorney's office
- City Manager's office
- City Clerk's office
- Finance/Payroll/Utility Billing
- Human Resources
- Technology Services
- Communications

The building was constructed in 1910 and has three floors of general office space totaling 22,170 square feet. Prior to 2012, the basement/garden level served as the City's Police Headquarters.

There have been a number of various changes made to the building over its 100+ years. However, in 2016 the City commissioned a seismic/fire suppression study to identify critical life safety upgrades. Implementation of those upgrades will be phased over serval years along with a number of other cosmetic, restorative and technology improvements needed in the building.

Service Center

General

The City of Walla Walla Service Center is located on an 8.7 Acre site at 55 East Moore Street. The facility is a former cannery that the City acquired and consolidated many of their operations at this site in 1986. Several improvements were made in 1999, including the construction of the 14,750 sq ft main office building and upgrades to other maintenance facilities.

There are seven buildings that total about 106,680 square feet. There are 85 full-time, (and several part time/temporary), employees that utilize these facilities as their base of operations.

- Public Works
  - Administration (3)
  - Engineering (15)
  - Sanitation (11)
  - Streets/Wastewater Collections/Stormwater (18)
  - Water Distribution (12)
- Parks & Recreation
  - Administration (1.5)
  - Parks (7)
  - Recreation (2)
  - Facility Maintenance (3.5)
- Fleet Services (5)
- Development Services (8)
- Finance (1)

Activities that are currently supported at these facilities include equipment storage; vehicle repair, maintenance, and washing; heavy equipment and vehicle parking; welding shop; storage of construction materials; bulk ground maintenance supplies; decant facility; fueling station for city fleet vehicles; archive record storage; police evidence and impoundment storage; conference and meeting rooms; and various offices for administrative activities.

On April 1, 2003, a fire burned much of the central section of Building 65, where Sanitation was housed at the time. Ten sanitation trucks were destroyed in the fire. This section of the building was reconstructed in the months that followed.

This newer portion of the shop building was remodeled in 2010 to include offices and fleet maintenance facilities.

The Police Evidence Storage building was remodeled in 2011/2012 to improve security and address other building and electrical deficiencies.

In 2012, a structural assessment was completed for the space occupied by the Water Distribution Division (Building 65A). The engineer recommended several structural repairs, which were completed in 2013. However, the Structural Engineer also

recommended a follow up structural assessment be performed within ten years (2022). That follow up structural assessment was completed in 2020 and identified a roof replacement and additional structural repairs, which are slated for 2021.

In 2015, Street Operations (Streets, Wastewater Collections, Stormwater, Traffic and Supervisory offices) were consolidated to Service Center Building 65D. Prior to this, supervisory and admin support offices were located with the Fleet Services offices on the second floor of Building 65B, Traffic was located in Building 75B, and operations was located in Building 65D/E. Office space was constructed in Building 65D and the shop area reconfigured to minimize vehicle operations within the shop area of Building 65D/E. Street operations also utilizes the Barrel Building (65F) to protect equipment subject to freezing (sweepers, vactors, etc.).

Sanitation has largely consolidated operations in Building 75A, constructing break and meeting room space within the building. However, Sanitation's welding shop is still located in Building 65C. Sanitation intends to expand the existing covered parking area on the east side of the Service Center site to provide covered parking with engine block and hydraulic system heaters for collections equipment.

Parks operations is largely located in Building 75D including the space formerly occupied by Traffic Operations 75B. This space provides restrooms and office/meeting/breakroom space for Parks personnel.

Facilities Maintenance is located in Building 75C.

Stormwater Pollution Prevention

Since diesel fuel and gasoline are stored in underground storage tanks (UST's) and other solvents, oils, and hazardous fluids (that are regulated by EPA) were stored in tanks and drums at various locations throughout the site, the City was required to have a Spill Prevention, Control and Countermeasures (SPCC) Plan. The SPCC Plan was prepared by EMCOM/OWT, Inc. in 2004, in accordance with 40 CFR 112 of EPA's regulations effective August 16, 2002. The SPCC Plan established the procedures and equipment required to prevent discharge of oil and hazardous substances in quantities that violate applicable water quality standards.

In January, 2011, City Engineering staff re-evaluated the 2004 SPCC Plan utilizing the EPA's December 2006 SPCC Rule Amendments – Streamlined Requirements for Regulated Facilities. Many of the 2004 recommendations have been addressed by replacing critical single wall tanks with double walled tanks and storing the tanks inside.

In February, 2009, Northwest Pump and Equipment Company inspected, tested and found the three UST fuel storage tanks and piping to be in compliance with Chapter 173.360 W.A.C. The two 10,000 gallon oil storage tanks 17 and 18 were declared as surplus, sold, and removed from the site in 2013.

Washington Department of Ecology (Ecology) issued the City of Walla Walla, NPDES Permit # WAR04-6508. This Permit required that Stormwater Pollution Prevention Plan (SWPPP) be completed for City owned material storage, heavy equipment storage, and maintenance areas by August of 2011. The Service Center SWPPP of the overall site was completed July 6, 2011 by URS Corporation.

The 2011 site assessment evaluated the following areas for compliance with Best Management Practices: 1) Building and ground maintenance; 2) Floor drains; 3) Loading and unloading of materials; 4) Outdoor storage of raw materials; 5) Storage of liquids, solid waste, and hazardous materials; 6) Vehicle and equipment (V&E) Cleaning; 7) V&E Fueling; 8) V&E Maintenance and Repair; 9) V&E parking and storage; and 10) Vegetation Management. No major problems were observed in 5 of the 10 categories listed. Other problems identified were fairly minor items, such as a trash

receptacle was found with its lid left open, or equipment axes were laying on top of a floor drain.

Decant Facility

The Service Center site includes a decant facility located along the western side of the property. The decant facility contains a concrete pad that is separated onto decant bays #2, #3 or #4 (for WSDOT use) and the northerly smaller bay #1 for storage of potential "hot loads" (contaminated). These decant pad(s) allow liquids to drain from the solids that are generated from street sweepings and vactor waste collection. Solids remaining on the concrete pad are allowed to dry, stockpiled, and then hauled to the landfill for disposal.

Liquid drained from stored material is decanted through clarifiers, then into an oil/water separator prior to being discharged into the sanitary sewer. As oily water flows through the separator, the lighter-than-water oil wastes rise to the surface and are trapped in the exit chamber. Sediments settle to the bottom of the entrance chamber. Both chambers are vactored out during regular scheduled cleaning of both chambers.

The decant facility is permitted in accordance with Chapter 70.95, WAC 173-304 and 173-350 as issued by the Walla Walla County Health Department. The Washington State Department of Ecology permits the discharge of these liquids into the sewer system by a State General Discharge permit.

Service Center Improvements

In 2004, a master plan for the service was prepared that developed a circulation plan for the expansion of the Service Center.

The main administrative building houses:

- Water Distribution Supervisory and Administrative support personnel
- Cross-connection/FOG personnel
- Public Works Administration
- Parks & Recreation Administration
- Development Services
- Engineering

Additional office space is needed within the main building as follows:

- Water Distribution – Have 7 – Need 8
- Engineering – Have 15 – Need 17
- Development Services – Have 9 – Need 10
- Employee Lunch/Breakroom
- Additional Conference Rooms

The City hired BLRB Architects to perform design of a service center remodel. That design is complete and construction is pending.

Carnegie Center

The Carnegie Center, located at 109 South Palouse Street was built in 1905 and originally served as the Walla Walla Public Library. The building consists of 8,000 square feet on two floors. The building presently serves as a Pottery Studio and also hosts Recreation classes from fencing to yoga.

Senior Center

The Senior Center, located at 720 Sprague Avenue was built in 1996, consists of 15,000 square feet and serves as a gathering social place and offers meals for seniors during the daytime.

Fund/Department: Facilities
Date: 9/15/2020
Prepared by: Various

Project Name	2021 Cost	2022 Cost	2023 Cost	2024 Cost	2025 Cost	2026+ Cost	Project Description	Total Project Cost	Funding Sources
CITY HALL (CH) - 15 N. THIRD AVENUE									
CH - Master Plan						$ 100,000	Develop a master plan for upgrading City Hall including a feasibility study to determine the cost and value of restoring City Hall to a more historic appearance. This plan should include: reconfigure floorplans to provide adequate space for all departments; update the entryway; provide adequate restrooms on each floor; energy efficiency upgrades (lighting, windows, etc.); replace flooring; update signage; increase space for conference and training rooms; add storage space; and upgrade furniture.	$ 100,000	General Fund
CH - Technology Upgrade				$ 50,000			Upgrade the technology available in City Hall, including but not limited to: smart boards, presentation support, fiber optics redundancy, and rewiring.	$ 50,000	General Fund
CH - Interior/Exterior Rehabilitation and Upgrade						$ 4,000,000	Building renovations (electrical, energy efficiency upgrades, interior and exterior rehabilitation/remodeling, etc.).	$ 4,000,000	Bond / Loan
CH - Security Upgrades			$ 100,000				Cameras, card key access improvements, emergency exits, etc.	$ 100,000	General Fund
CH - Exterior Painting					$ 75,000		Clean, paint and repair exterior of building	$ 75,000	General Fund
CH - Backup Generator			$ 75,000				Installation of a back up generator at City Hall.	$ 75,000	General Fund
Facilities Plan			$ 250,000				Assessment and prioritization of needs (roofs, structural, HVAC, etc.) for all city buildings. This also includes building equipment inventory. Building reports will include an estimated cost for each system or component repair/replacement.	$ 250,000	General Fund
CH - Parking Lot Preservation				$ 25,000			Parking lot preservation work. Crack seal, fog seal, and restriping	$ 25,000	General Fund
CH - Parking Lot/Farmers Market Improvements					$ 1,000,000		Expand/Improve Parking Lot and Farmers Market Covered Areas	$ 1,000,000	Bond / Loan
TOTALS (CITY HALL)	**$ -**	**$ -**	**$ 425,000**	**$ 75,000**	**$ 1,075,000**	**$ 4,100,000**			

Project Name	2021 Cost	2022 Cost	2023 Cost	2024 Cost	2025 Cost	2026+ Cost	Project Description	Total Project Cost	Funding Sources
SERVICE CENTER (SC) - 55 E. MOORE STREET									
SC - Remodel, HVAC, & Energy Efficient Upgrades. 2017 Design - $140,000			$ 3,370,000				Remodel of the Service Center Main Building. Includes, full interior remodel, installation of ADA access door on north side of building, security upgrades, HVAC Replacements, and LED lighting installation. Complete concept selection 2017; design 2017-2019; construction 2023.	$ 3,370,000	SC Rent
SC - Fuel Tank Replacement & Fueling Island Pollution Control Upgrades	$ 190,000						Replacement of the underground fuel tanks with above ground tanks and construction of a containment berm. Current tanks are over 20 years old and past their life expectancy. Tanks are experiencing surface corrosion and microbial growth.	$ 190,000	Internal Fuel Tax
SC - Entrance circulation remodel - LED lighting					$ 720,000		Move fencing along Moore Street, enhance landscaping, repave service center parking lot, install electronic gate at SW corner of service center, add LED lighting	$ 720,000	SC Rent
SC - Campus Master Plan & Energy Efficiency Audit			$ 150,000				Prepare 20-year plan to address needs of all Departments and Divisions located at the Service Center (Development Services, Fleet, Water Distribution, Wastewater Collections, Stormwater, Sanitation, Parks, Recreation, Public Works Administration, Engineering, Police Evidence Storage); energy efficiency audit; address emergency operations needs (generators).	$ 150,000	SC Rent
SC - Bldg 65A - Water Shop Structureal Retrofit and Roof Replacement	$ 270,000						Perform structural upgrades consistent with 2020 structural assessment. Replace leaking metal roof to avoid further structural damage	$ 270,000	Water Fund
SC - Bldg 75 Roof			$ 200,000				Roof rehab/replacement	$ 200,000	SC Rent
SC - Bldg 65E Roof			$ 100,000				Roof rehab/replacement	$ 100,000	SC Rent
SC - Barrel Building PVC Roof overlay			$ 75,000				Roof rehab	$ 75,000	SC Rent
TOTALS (SERVICE CENTER)	**$ 460,000**	**$ -**	**$ 3,895,000**	**$ -**	**$ 720,000**	**$ -**			

Project Name	2021 Cost	2022 Cost	2023 Cost	2024 Cost	2025 Cost	2026+ Cost	Project Description	Total Project Cost	Funding Sources
CARNEGIE - 109 S. PALOUSE STREET									
CC - Roof & gutter system			$ 150,000				New roof and gutters (Historic)	$ 150,000	General Fund
CC - Window - strip & paint			$ 25,000				Rehab existing windows	$ 25,000	General Fund
CC - Boiler			$ 20,000				Replace 1980s vintage boiler	$ 20,000	General Fund
CC - Historic Restoration - bathrooms and interior/exterior						$ 1,000,000	Historic building restoration	$ 1,000,000	Historic Grants, Bonds/Loans
TOTALS (CARNEGIE CENTER)	**$ -**	**$ -**	**$ 195,000**	**$ -**	**$ -**	**$ 1,000,000**			
SENIOR CENTER (Senior) - 720 SPRAGUE AVENUE									
Senior - Parking Lot Resurfacing			$ 200,000				Resurface parking lot; address ADA access for parking lot.	$ 200,000	General Fund
Senior - HVAC; 6 units (@ $9,000/EA, 2019$)			$ 21,000	$ 12,000	$ 26,000	$ 14,000	Replace HVAC units at end of service life. 3 Units already replaced.	$ 73,000	General Fund
TOTALS (SENIOR CENTER)	**$ -**	**$ -**	**$ 221,000**	**$ 12,000**	**$ 26,000**	**$ 14,000**			
MANY WATERS WELLNESS CENTER / JEFFERSON PARK FIELD HOUSE (Wellness) - 800 SPRAGUE AVENUE									
Wellness - Parking Lot Resurfacing				$ 15,000			Parking lot preservation work. Crack seal, slurry seal, and restriping	$ 15,000	General Fund
TOTALS (WELLNESS CENTER)	**$ -**	**$ -**	**$ -**	**$ 15,000**	**$ -**	**$ -**			
PUBLIC PARKING LOTS									
Rose Street Parking Lot (between Second and Third) - behind Dispatch						$ 15,000	Parking lot preservation work. Crack seal, fog seal, and restriping	$ 15,000	General Fund
Alder Street Parking Lot (downtown between First and Colville) - behind Macy's						$ 15,000	Parking lot preservation work. Crack seal, fog seal, and restriping	$ 15,000	General Fund
Park 'n' Shop Parking Lot						$ 15,000	Parking lot preservation work. Crack seal, slurry seal, and restriping	$ 15,000	General Fund
Birch Street Parking Lot (between Second and Third)						$ 20,000	Parking lot preservation work. Crack seal, fog seal, and restriping	$ 20,000	General Fund
Poplar Street Parking Lot (between Second and Third)						$ 20,000	Parking lot preservation work. Crack seal, fog seal, and restriping	$ 20,000	General Fund
Sumach Parking Lot (between Colville and Spokane)						$ 20,000	Parking lot preservation work. Crack seal, fog seal, and restriping	$ 20,000	General Fund
Cherry Street Parking Lot (between Third and Fourth) - USACE						$ 30,000	Parking lot preservation work. Crack seal, fog seal, and restriping	$ 30,000	General Fund
Fifth and Sumach Parking Lot						$ 15,000	Parking lot preservation work. Crack seal, slurry seal, and restriping	$ 15,000	General Fund
SE Corner of Third and Oak Parking Lot						$ 10,000	Parking lot preservation work, Cleaning, wall repair, and restriping	$ 10,000	General Fund
TOTALS (Pulbic Parking Lots)	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 160,000**			
GRAND TOTAL (ALL)	**$ 460,000**	**$ -**	**$ 4,736,000**	**$ 102,000**	**$ 1,821,000**	**$ 5,274,000**			

FIRE

Fire & Emergency Medical Services (EMS)

The Walla Walla Fire Department (WWFD) dates back to 1903, when three separate volunteer fire departments were joined together. WWFD endeavors to minimize the loss of life and property, pain and suffering by residents of the City of Walla Walla and surrounding areas as a result of accidents or natural disaster.

The Walla Walla Fire Department operates two fire stations with a full time staff of 47 employees, many of whom are cross trained as firefighters and paramedics.

The current long-term debt for the 2004 General Obligation (GO) bond for construction of Station No. 2 was approximately $4.5M, which was refinanced in 2013 for $2.84M with payments of approximately $335,000 due each year until the bond is retired in 2023.

Services Provided

- Fire Department Administration
- Suppression
- EMS response
- Training
- Public education
- Prevention
- Inspection
- Technical response team (TRT) with capabilities including:
    - Hazardous materials response
    - High/low angle rope rescue
    - Swift water rescue
    - Confined space rescue

The City's EMS and TRT service emergency calls throughout Walla Walla County, with a total coverage of approximately 1,200 square miles. The Department also responds to emergency medical calls in a portion of Umatilla County: Ambulance Service Area #6, Mill Creek.

Level of Service

The WWFD responds to between 5,500 and 6,000 medical emergency calls each year, over 60% of these responses end with a patient being transported to a medical facility.

Facilities

Walla Walla operates two fire stations that house the emergency response equipment and on-duty responding members of the Department. The main 14,220 sq ft administration station (Fire Station No. 1), located at 200 S. 12th Avenue, was officially dedicated in 1975. The second station is a 15,260 sq ft facility located at 170 N. Wilbur Avenue. Station No. 2 is a fairly new facility completed in 2006, as a result of the bond levy that was approved by voters in 2004.

The department also maintains a drill and training facility at 300 Cayuse Street. The facility was also dedicated in 1975 and is an older four story masonry training tower with separate props which provide hands-on training for ventilation, high/low angle rope rescue, confined space rescue and hazardous materials response.

Equipment

WWFD operates several pieces of specialized equipment, the largest vehicles being:

- Engine 3911: 2018 Pierce Enforcer Pumper
- Engine 3951: 2008 Ford C4500 Type V Wildland Pumper
- Engine 3912: 2002 Pierce Quantum pumper
- Ladder 3911: 2011 Rosenbauer Ladder Truck pumper
- Engine 3913: 1996 Pierce Quantum pumper

EMS

- 2016 Dodge D4500 Braun NW Ambulance
- 2013 Dodge D3500 Braun NW Ambulance
- 2014 Dodge D4500 Braun NW Ambulance
- 2011 Ford F-350 Braun NW Ambulance
- 2010 Ford F-350 Braun NW Ambulance

Facility Needs

Continued growth through annexation of the City's Urban Growth Area (UGA), particularly to the South of the City and areas north of US 12 will increase the distribution of the WWFD resources. To ensure proper response standards are maintained, the City may need to address additional fire stations,

equipment and staff to serve this growth. A smaller two bay satellite station with living quarters to service the south end of the City where most of the growth and annexations have been and are expected to continue to occur.

The training tower is also showing signs of wear. Repairs to address ongoing heat damage were completed about 18 years ago, however, those repairs are failing, rendering the tower unusable for live fire training. To provide long term life safety status of the structure in compliance with WAC 296-305 – Safety Standards for Firefighters and safe operational needs for firefighter training, the City of Walla Walla, Fire District #4 and the City of College Place is partnering to replace the training tower in 2021. This regional facility is a more prudent solution for the long-term training needs of communities in the area.

The Fire Department has numerous support vehicles, response trailers and light/generator plants that are not currently stored undercover due to inside storage constraints. There is a need to build a covered parking structure at fire station #1 to keep these vehicles out of the weather and provide the ability to keep heated during the winter months.

Future Equipment Needs (items not included in the City's Vehicle Replacement Fund, 518)

As fire suppression vehicles require a large investment, ongoing replacement of the fleet will continue to be a financial challenge. A new ladder truck was added in April 2012 at a cost of $801,500.

Attempts have been made to fund the replacement of these large vehicles including grant applications. Due to extensive competition from other communities, recent grant application attempts have not been successful. Establishment of a similar replacement fund for the fire suppression equipment has been discussed to assure a cost-effective rotation of these expensive vehicles.

The Self Contained Breathing Air (SCBA), compressor bottle fill station for station #1 was installed when the station was built in 1975. Due to the age of the compressor we are no longer able to find replacement parts. The compressor failed certification tests in 2018 and needs replacement. Estimated replacement costs are $25,000.

Fund/Department: Fire Department
Date: 9/15/2020
Prepared by: Bob Yancey, Fire Chief

Project Name	2021 Cost	2022 Cost	2023 Cost	2024 Cost	2025 Cost	2026+ Cost	Project Description	Other Funding Sources (Donations, Grants, Etc.)	Total Project Cost	Funding Sources
Fire Station #1 - Exterior security cameras			$ 10,000				Security cameras for exterior of fire station, 4 each. Item will be identified and prioritized on Facilities Master Plan.	$ -	$ 10,000	General Fund
Fire Station #1 - Covered parking						$ 125,000	Covered parking behind fire station #1 for trailers and City vehicles.	$ -	$ 125,000	General Fund
Fire Station #1 - Exterior Parking Lot LED lighting			$ 20,000				Energy efficiency upgrade of exterior lighting in Parking Lot.	$ -	$ 20,000	General Fund
Fire Station #1 - Community room GRANT DEPENDENT			$ 100,000				Working with C2C, build a community room at fire station #1 for the Blue Ridge neighborhood with 50% grant from the Sherwood Trust.	$ 100,000	$ 200,000	50-50 General Fund / grants
Fire Station #1 - Parking Lot Preservation						$ 15,000	Parking lot preservation work. Crack seal, fog seal, and restriping.	$ -	$ 15,000	General Fund
Fire Station #2 - Exterior security cameras			$ 10,000				Security cameras for exterior of fire station, 4 each. Item will be identified and prioritized on Facilities Master Plan.	$ -	$ 10,000	General Fund
Fire Station #2 - Insulate Duct Work			$ 15,000				Ductwork insulation in attic to prevent heat/cooling loss. Item will be identified and prioritized on Facilities Master Plan.	$ -	$ 15,000	General Fund
Fire Station #2 - Parking Lot Preservation					$ 15,000		Parking lot preservation work. Crack seal, fog seal, and restriping.	$ -	$ 15,000	General Fund
Fire Engine (Replacement of EQ12454)	TBD	TBD	TBD	TBD	TBD	TBD	Pumper trucks to replace 2001 Pierce engines per Department replacement schedule.	$ -	$ 525,000	General Fund
Drill tower District 4 Funding - $300,000 College Place FD Funding - $300,000			$ 60,000	$ 60,000	$ 60,000	$ 120,000	Regional drill tower to replace current City owned drill tower that is 45 years old and doesn't meet many of the new WAC 296-305 standards for safety. Project cost to be shared with surrounding Departments.	$ 600,000	$ 900,000	$300,000 REET
Fire Station #3 (new)			$ 3,000,000				New fire station in South area of town to meet minimum response standards established by the Fire Department for the annexed areas. Currently being serviced by Fire District 4, ramp-down ends in 2019.	$ -	$ 3,000,000	Bond
TOTALS	**$ -**	**$ -**	**$ 3,215,000**	**$ 60,000**	**$ 75,000**	**$ 260,000**				

FLEET SERVICES

Vehicle and Equipment Replacement

In 1999, the City established a vehicle and equipment (V/ER) replacement program (fund 518, Ordinance 99-06, WWMC 3.21.050), to annually set aside funds for the planned replacement of vehicles and equipment included in the fund. Replacement costs are established for V/ER and then adjusted for inflation (presently using 3% per year) for a future replacement date as established by Fleet Services.

There are approximately 315 vehicles included in the replacement schedule. Each Department/Division annually deposits funds for the future replacement costs for V/ER. Fleet Services manages the schedule in partnership with the Departments/Divisions and City's Finance Department. Fleet Services establishes and monitors replacement cycles and costs providing a systematic approach for replacements.

Departments/Divisions are encouraged to review the schedules annually or biannually with Fleet Services to ensure schedules and the types of equipment continue to meet Department/Division needs in the future, and where feasible, to extend the "planned" life of equipment.

In 2015, a review process was established with Public Works to ensure input was received from Supervisors, front-line staff, Managers and Directors, before a purchase was made. The goal of this process was to make certain the V/ER met the needs of the direct users. Demonstrations are also sometimes scheduled to review new features/capabilities.

Starting in 2012, rebuilds for certain types of equipment are also being considered. Examples of equipment benefiting from rebuilds include the landfill's compactor, grader, dozer and scraper, which are high cost, critical, but non-emergency equipment. A one-time rebuild extends the life of a piece of equipment at a lower cost than replacement and helps ensure continued operational reliability. When considering a rebuild, the life cycle plan (set-aside plan) for that equipment should include the rebuild cost and the full future replacement following the rebuild.

Including these two expenditures (rebuild + replacement) in the lifecycle and then spreading the costs over the full lifecycle provides a stable, balanced annual set aside with little cost fluctuation.

Rebuilds are also subject to the joint recommendations of Fleet Services and the Department/Division based on the historical reliability of that particular piece of equipment.

In cases where actual purchase and/or outfitting costs come in higher than projected, the gap can either be covered by a Department/Division's 518 contingency fund or by seeking a balance transfer from the Department/Division's operating fund/fund balance, subject to approval by the Department Director. It is recommended that each Department/Division establish a 2-5% contingency fund for the equipment in the 518 fund to address unforeseen costs.

There are some vehicles that are not included in the V/ER fund, namely fire engines. These items are included as part of the Fire Department's overall Capital Facilities needs and are funded through the Fire Department's own capital plan.

LIBRARY

Walla Walla Public Library

Serving the people of Walla Walla as a community information and lifelong learning center, the Walla Walla Public Library (WW Public Library) acquires, organizes, provides, and promotes informational, educational, recreational, and cultural materials for people of all ages. Located at 238 East Alder Street, the Library serves the Walla Walla area providing free Library cards to individuals owning property or living within the City limits.

In 1905, the WW Public Library opened the doors of a new building built by funding from Andrew Carnegie. The Library outgrew the Carnegie Building and moved into the new 16,000 square foot facility in 1970. Since that time, the Library has continued to grow. In 2006, a 3,067 square foot Young People's addition was completed. Today the Library circulates over 350,000 items annually, including books, cds, dvds, downloadable books and magazines.

Services Provided
The WW Public Library staff focus on providing guidance and assistance for people to obtain the information they seek. They initiate programs and exhibits that stimulate the use of Library materials, promote literacy and encourage lifetime learning for people of all ages.

The WW Public Library provides free programs throughout the year including youth and adult reading programs, preschool story times, elementary school-age story times, day care story times, internet access, internet classes, classes for downloading audible and e-books, word processing and document scanning.

The maker-space and media lab, CrewSpace, provides both instruction in and access to the latest in technology which enables both children and adults to share information using various mediums such as music and video production. Acquiring these skills will increase employment opportunities and will support creative expression and lifetime learning.

Existing Facilities
The original 16,000 square foot Library was constructed in 1970. With continued growth and increases in programs, computer based information sources, quantity and breadth of materials, the facilities were unable to accommodate the demand.

In June 2004, a Library Expansion Master Plan for the WW Public Library was completed. The expansion plan addressed a variety of issues including capacity constraints, available funding and phased implementation of proposed improvements. Phase I improvements included Young People's Services Renovation and Addition. Phase II addressed the Maximization of Interior Space and Phase III was Library Expansion to achieve the goal of a 33,000 square foot facility to accommodate growth to serve an estimated population of 68,000 (by 2020).

In 2005, the Sherwood Trust awarded the Library a $300,000 grant toward the renovation and expansion of the Young People's department. This grant represented about one half of the estimated $713,000 required to fund the project. The community provided the necessary funding match and the 3,067 square foot facilities expansion to the northwest corner of the Library was completed in 2006.

A media lab, CrewSpace, was built in 2014 in the existing Board Room space. It was built with a grant of $136,000 from the Paul Allen Family Foundation.

A replacement of the Library's original HVAC System with an energy efficient system was completed in 2016.

The WW Public Library added two study rooms in 2013 to address the need for small groups to meet in a quiet area.

Level of Service
With the 2006 expansion, the Library has 19,067 square feet, serving a City population base of about 32,237 for a Level of Service (LOS) ratio of 0.59 square feet per capita. Comparable LOS for other single outlet municipal libraries in similar sized communities in Washington have a ratio of 0.84 square feet per capita (source: Washington Public Library Statistical Report, 2014).

Future Needs

The 2004 Library Expansion Plan did not predict the recent advancements in technology, nor the current use and future growth needs for the WW Public Library. In 2016, the WW Public Library serves an average of 771 people daily. An update to the plan is needed to address the daily use, the changes in the way we use the WW Public Library and to re-examine future needs.

The current Plan for Phase II improvements, which includes interior space maximization, will be included in the Phase III portion which is the expansion and renovation of the entire Library, maximizing the use of the existing site and increasing the area of the Library from 19,000 to 33,000 square feet.

Many of the deficient conditions of the existing facility that were identified in the 2004 evaluation remain to be addressed.

There are a total of 5 emergency exists now, including one in the adult reading area of the Library with was added in 2016.

The Young People's addition provided needed shelf space for books and other materials, but the increase in programming makes the need for a designated program space crucial for both adults and young people. There is little expansion space due to the limits of the facility's present site.

Expansion to the east is the most feasible direction but would further exacerbate the demand for parking. Acquisition of property near the Library could help alleviate the demand for additional parking.

The lack of a designated program space has caused wear and tear to both the carpeting and the furniture. As the tables are pulled across the carpet to make room for programs, not only is the furniture weakened, but the carpet is showing wear. The furniture (tables and chairs) were purchased by the Sherwood family in 1970, nearly 50 years ago, and is in need of replacement. The chairs were replaced in 2018 but there was not enough money to cover the cost of the tables. The carpet has been replaced in stages over the last 20 years and the design is not cohesive. The carpet on the east side of the Library is showing extreme wear.

Lighting within the Library is inadequate. The ceiling is original and the component tiles are no longer replaceable. It does not allow for improved and energy efficient lighting to be installed. A replacement of the ceiling and new lighting is needed.

To increase security at the Library, the existing security cameras have been updated and additional cameras have been added to the exterior perimeter of the building.

The Library's landscape plants are 50 years old and need to be replaced. The irrigation system has been patched and added on to and has reached the state where it is both inefficient and can no longer accommodate additions. It has been assessed for its ability to be upgraded and for plantings to be replaced. The Parks Department has stated that the irrigation system must be replaced along with most of the landscaping plantings. The estimated cost in 2018 costs would be $100,000.

Rapid changes in technology are evident in library services where acquisition, organization and retrieval are all dependent on technology. Predicting future changes in technology is difficult, but libraries anticipate the continued and expanded use of radio frequency. RFID (Radio Frequency Identification) allows libraries to inventory, circulate and sort materials through radio frequency tagging. The WW Public Library has not been able to acquire this technology due to its cost. Libraries also foresee a wireless environment within the next five years necessitating new equipment and security considerations.

Drive-up services have been requested. As our population ages, more individuals could benefit from drop-off and pickup services. Services of this type would need to be part of the planning for a new building.

It may be advisable to consider a new site for the WW Public Library in order to accommodate growth and technology needs and adequate parking but the importance of the current location, which is uniquely

sited close to residential neighborhoods while sitting amidst the business community, should be considered. Future use of the surrounding properties may offer the necessary solution to the Library's need for growth.

Fund/Department: LIBRARY
Date: 9/15/2020
Prepared by: Erin Wells, Library Director

Project Name	2021 Cost	2022 Cost	2023 Cost	2024 Cost	2025 Cost	2026+ Cost	Project Description	Other Funding Sources (Donations, Grants, Etc.)	Total Project Cost	Funding Sources
WALLA WALLA PUBLIC LIBRARY - 238 E. ALDER STREET										
Replace ceiling in all but children's addition and lighting fixture upgrade.			$ 65,000				The lighting in the Library is inadequate and has been sited in customer surveys for improvement. The component tiles of the original ceiling are crumbling and are not replaceable. The structure of the ceiling does not allow for the installation of improved and energy efficient lighting. The projection for savings with new lighting is 47% of the current kw usage. Item will be identified and prioritized on Facilities Master Plan.	$ -	$ 65,000	2015 HVAC bond / Loan
Library addition - Add a Program Room to east end of Library to include a Family bathroom				$ 675,000			The Library's program needs have outgrown the space offered by the Reading Room. The design for an addition to the Library should allow for customizable space to accommodate two meeting areas or one large program space. The Library could also use this area to offer a much needed family bathroom.	TBD	$ 675,000	Donations, Grants, General Fund, Bond / Loan
Update 2004 Library Expansion Plan			$ 25,000				Over the last 10 years, rapid changes in technology and in the way customers use the WW Public Library have created a need for an updated Library Expansion Plan. The Plan will anticipate how space will be utilized for an improved customer experience including addressing issues of accessibility for an aging population. Item will be identified and prioritized on Facilities Master Plan.	$ -	$ 25,000	General Fund
Young People's Area Family Bathroom			$ 40,000				The Library needs a bathroom in the Young People's area for all genders and one that can accommodate the needs of the caretakers. Item will be identified and prioritized on Facilities Master Plan.	TBD	$ 40,000	General Fund/Grants
Book RFID System				$ 350,000			Radio Frequency Identification (RFID) checks in materials at the point of return and sorts them for shelving. RFID offers inventory control, retrieval and secures materials at entries.	$ -	$ 350,000	Bond / Loan
Parking Lot Preservation - Alder						$ 15,000	Parking lot preservation work. Crack seal, slurry seal, and restriping	$ -	$ 15,000	General Fund
Parking Lot Preservation - Poplar						$ 15,000	Parking lot preservation work. Crack seal, slurry seal, and restriping	$ -	$ 15,000	General Fund
Expand Library Parking						$ 250,000	Expansion of the building along with increased usage of the building will result in a need to address the parking spaces available to customers. Costs are related to acquisition of space for parking.	TBD	$ 250,000	Donations, Grants, General Fund, Bond / Loan
Roof			$ 70,000				A replacement of the roof has been identified as a necessary maintenance step. The current roof is the original roof from the 1970 construction. Item will be identified and prioritized on Facilities Master Plan.	$ -	$ 70,000	General Fund
TOTALS	**$ -**	**$ -**	**$ 200,000**	**$ 1,025,000**	**$ -**	**$ 280,000**				

PARKS & RECREATION

Parks and Recreation

Walla Walla's long term commitment to parks began in 1901 when land that is currently Pioneer Park was acquired. A group of prominent women formed the Park Civic and Arts Club in 1907 and began raising money for park improvements. The Club's dedication to park development and City beautification led to the hiring of the Olmsted Brothers landscape architecture firm to help plan the parks system in Walla Walla. The Club continued their effort to provide parkland dedications and to improve park facilities by adding shrubs, trees, flowers, play equipment and other park amenities throughout the City. The influence of this early devotion to parks is reflected in the wealth of City parkland that exists today.

City Parks and Recreation Facilities
City Parks are divided into three categories: community parks, neighborhood parks and mini-parks.

Community parks provide for diverse multi use recreational opportunities and may include natural areas for outdoor recreation. This type of park includes parking facilities, restrooms, and is easily accessible to the community served. The desirable size for a community park is typically 25 acres or more with a service area radius of two miles.

Neighborhood parks provide for both active and passive recreational uses. The desirable size for a neighborhood park is typically five to ten acres with a service area radius of one half mile.

Mini-parks provide specialized facilities or passive recreation to serve a concentrated or limited population. The desirable size for a mini-park is typically one acre or less with a service area radius of less than one quarter mile.

Community Parks
- Borleske Stadium/Veterans Memorial Pool (12 Ac)
- Fort Walla Walla Park (205 Ac)
- Mill Creek Sportsplex (50 Ac)
- Pioneer Park (58 Ac)

Neighborhood Parks
- Eastgate Lions Park (12 Ac)
- Howard-Tietan Park (19 Ac)
- Jefferson Park (9 Ac)
- Menlo Park (7 Ac)
- Vista Terrace Park (7 Ac)
- Washington Park (12 Ac)
- Wildwood Park (6 Ac)

Mini-Parks
- Crawford Park (1.2 Ac)
- Heritage Square (0.7 Ac)
- Volunteer Park (0.1 Ac)
- Xeriscape Park (0.2 Ac)

Other City Park Facilities
- Mountain View Cemetery (65 Ac)
- Veterans Memorial Golf Course (135 ac)

City Trails
- Mill Creek Trail
- Fort Walla Walla Trail
- US 12 Trail (Moore Street to Vista Terrace Park)

Buildings/Facilities
- Carnegie Center
- Garden Center at Pioneer Park
- Aviary at Pioneer Park

The City also partners with the Walla Walla School District to utilize indoor and outdoor school facilities for Recreation programs.

Conditions
During the last 14 years, park irrigation systems have been automated to improve efficiency. Most of the City's parks have restroom facilities. The City of Walla Walla, in partnership with

local neighborhoods and civic groups such as Rotary, Sherwood Trust, etc. continue to install, replace and/or enhance playground equipment. Replacements/enhancements have been completed at Pioneer, Howard-Tietan, Washington, Wildwood, Fort Walla Walla and Jefferson Parks.

Facility Needs

City Council approved the Parks and Recreation Department's Comprehensive Plan in June of 2018. This document will guide the planning and operation of the Department through June of 2024. Having an approved plan will also allow the City to apply for grants through the Washington State Recreation and Conservation Office for future park development.

Future facility needs that have been identified include the redevelopment of Heritage Square Park in downtown Walla Walla. City Council approved a design concept for Heritage Square in November of 2018. Funding is currently identified for this $2.5 million project.

The Parks and Recreation Comprehensive Plan has also identified a need for the City to establish a park in the southwest section of the City. The City has expanded in this quadrant of the City and many new homes have been built and there is not a park within a ½ mile for these families to access.

The Department has been very successful in funding new playgrounds over the last twenty years. The next park that is being considered for a new playground is Vista Terrace Park. Staff is working with neighbors to develop a strategy to fund a playground at this Park. After a new playground is installed at Vista Park it will be time to start reconstructing the playgrounds that were installed over twenty years ago.

Many of the parking lots in the City's parks are at the end of their useful life and are in need of rehabilitation. A plan should be developed to repair and/or replace these parking lots.

Level of Service

The acres per capita Level of Service (LOS) is the most common benchmark used for whether a community has enough park lands, but this metric fails to address the distribution of those lands in a community and the type of (park) demand within a community. The historic standard referenced 10 acres of park and/or open space per 1,000 persons, but most communities simply try to maintain their current ratio as they grow in population.

Other references have indicated the LOS for Community Parks would be 9.3 acres per 1,000 and 2.1 acres per 1,000 for neighborhood Parks.

Fund/Department: Parks
Date: 9/15/2020
Prepared by: Andy Coleman, Parks & Recreation Director

Project Name	2021 Cost	2022 Cost	2023 Cost	2024 Cost	2025 Cost	2026+ Cost	Project Description	Other Funding Sources (Donations, Grants, Etc.)	Total Project Cost	Funding Sources
Eastgate Lions Park - Splash Pad				$ 300,000			Add splash pad to Eastgate Lions Park	TBD	$ 300,000	Grants, Donations, Local Funds, etc.
Eastgate Lions Park - Parking Lot Preservation			$ 30,000				Parking lot preservation work. Crack seal, slurry seal and restriping.	$ -	$ 30,000	General Fund
Eastgate Lions Park - Playground replacement			$ 75,000				Rotary shelter and restrooms.	$ -	$ 75,000	Grants, Donations, Local Funds, etc.
Ft. Walla Walla Park - Amphitheater						$ 500,000	Roof repair, bench restorations, restroom upgrades, lighting, etc.	$ -	$ 500,000	Grants, Donations, Local Funds, etc.
Ft. Walla Walla Park - Parking Lot and Roadway Preservation (North of Garrison Creek)			$ 100,000				Parking lot preservation work. Crack seal, fog seal and restriping.	$ -	$ 100,000	General Fund
Ft. Walla Walla Park - BMX/Skate/Dog Park Parking Lot and Roadway Preservation (South of Garrison Creek)			$ 10,000				Parking lot preservation work. Crack seal, fog seal and restriping.	$ -	$ 10,000	General Fund
Heritage Park - Central Plaza Construction Grants - $1,000,000 Private Contributions - $500,000	$ 100,000	$ 900,000					Redevelop Heritage Park as a community plaza/gathering space.	$ 1,500,000	$ 2,500,000	General Fund / Grants / Loan
Jefferson Park - Splash Pad			$ 300,000				Add splash pad to Jefferson Park	TBD	$ 300,000	Grants, Donations, Local Funds, etc.
Jefferson Park - Parking Lot Preservation				$ 35,000			Parking lot preservation work. Crack seal, slurry seal, and restriping.	$ -	$ 35,000	General Fund
Howard-Tietan Park - Parking Lot Preservation						$ 35,000	Parking lot preservation work. Slurry seal and restriping.	$ -	$ 35,000	General Fund
Mill Creek Sports Complex - Maintenance/Equipment Storage Building			$ 50,000		$ 50,000		Construct maintenance/equipment storage pole building with security fencing. Shell and fence will be in 2023. Finish of building interior in 2025.	TBD	$ 100,000	Grants, Donations, Local Funds, etc.
Mill Creek Sports Complex - New soccer fields, baseball fields			$ 2,500,000				Add two additional soccer fields and three baseball/softball fields; expand parking.	$ -	$ 2,500,000	General Fund / Grants / Loan / Bond
Mill Creek Sports Complex - LED lighting retrofit			$ 150,000					$ -	$ 150,000	General Fund / Loan

Project Name	2021 Cost	2022 Cost	2023 Cost	2024 Cost	2025 Cost	2026+ Cost	Project Description	Other Funding Sources (Donations, Grants, Etc.)	Total Project Cost	Funding Sources
Mill Creek Sports Complex - Parking Lot Preservation and Expansion						$ 133,000	Existing parking lot preservation work. Includes Crack seal, fog seal and restriping. Also includes parking lot expansion.	$ -	$ 133,000	General Fund
Mountain View Cemetery - Roadways (5 miles)			$ 50,000	$ 50,000	$ 50,000		Overlay/repair remaining five miles of roadways in Mountain View Cemetery	$ -	$ 150,000	Cemetery Fund
Pioneer Park - Garden Center Roof Replacement and Exterior Repair	$ 40,000						Replace Garden Center roof and repair exterior of building.	$ -	$ 40,000	General Fund
Pioneer Park - Aviary Rearing Pens and replacement of corrugated panels on building			$ 30,000				Replace existing rearing pens and replace siding on Aviary office/shop building.	$ -	$ 30,000	Grants, Donations, Local Funds, etc.
Pioneer Park - Parking Lot Preservation (5 lots)						$ 60,000	Parking lot preservation work. Crack seal, fog seal, slurry seal and restriping.	$ -	$ 60,000	General Fund
Pioneer Park - Playground Replacement			$ 150,000				Replacement of playground that is over 20 years old.	$ -	$ 150,000	Grants, Donations, Local Funds, etc.
Veterans Memorial Pool/Borleske - Parking Lot Preservation			$ 75,000				Parking lot preservation work. Chip seal and restriping	$ -	$ 75,000	General Fund
Veterans Memorial Golf Course - HVAC - 3 units			$ 52,500				Need to replace 1970s and 1980s units.	$ -	$ 52,500	General Fund
Veterans Memorial Golf Course - Parking Lot Preservation						$ 15,000	Parking lot preservation work. Crack seal, fog seal, and restriping.	$ -	$ 15,000	TBD
Vista Terrace Park - Playground	$ 10,000						New play equipment	$ 70,000	$ 80,000	13% General Fund, 87% Donations
Washington Park - Parking Lot Preservation				$ 20,000			Parking lot preservation work. Crack seal, slurry seal, and restriping.	$ -	$ 20,000	TBD
Wildwood Park - Parking Lot Preservation				$ 15,000			Parking lot preservation work. Crack seal, slurry seal, and restriping.	$ -	$ 15,000	Grants, Donations, Local Funds, etc.
Public Park in SE area of City						$ 1,000,000	New park to serve residents in the S/SE area of the City; 20 acre min.	TBD	$ 1,000,000	Grants, Donations, Local Funds, etc.
Parks - Parking Lot LED lighting retrofit			$ 10,000		$ 10,000		Retrofit park parking lots with LED lighting to increase security and lower power usage.	$ -	$ 20,000	General Fund
TOTALS	**$ 150,000**	**$ 900,000**	**$ 3,582,500**	**$ 420,000**	**$ 110,000**	**$ 1,743,000**				

POLICE

Police Facilities

In 2009, a General Obligation (GO) bond was passed to build new Police facilities and in 2012 the WWPD moved into a new 30,170 square feet Headquarters (HQ) building at 54 E. Moore Street, across the street from the City Service Center. The new facilities were designed to provide enough space for a future staff level of 54 sworn officers and 43 civilian staff. The 3,330 square feet Police Evidence Storage Building located north of the City Service Center was renovated at the same time to bring that building up to current codes and to improve security, fire alarms, address structural deficiencies, doors, windows, unit heaters and video monitoring.

The new building and renovation of the storage facility was designed to accommodate: Police administration; Police operations; small emergency operations and Police training room; Records storage and retrieval; Investigations; Police community and Crime prevention programs; Property storage/retrieval and evidence processing; Fingerprinting lab; Suspect processing and interviewing; Police support services, Patrol shift briefings, Staff meetings and also features a Community meeting/multi-purpose room (Chuck Fulton Community Room).

Secure areas were provided for safety including: interview rooms; conference rooms; suspect processing rooms; locker rooms; and lunch and kitchen facilities. Non-secure interview rooms were also included to allow the public to talk with the officers or to make reports in privacy. The new headquarters building features advanced electronics, video monitoring, communications, air handling and emergency systems. The facility has a back-up generator for power capable of running all of the lights, computers, and critical functions of the building. It does not operate the HVAC system.

Police Services
Currently, there are 48 commissioned officers and 14 civilian employees with the Walla Walla Police Department. Services provided include animal control, crime prevention, investigations, patrol, and parking and code enforcement. Community programs provided by the Police Department include Washington State Crime Prevention Association activities, the Crime Free Rental Housing Program, Child Passenger Safety Program and a Special Teams Unit that is focused on Gang and Drug related activities.

Public Safety Communications (WESCOMM)
Emergency services communications in Walla Walla County are provided by Walla Walla Emergency Services Communications (WESCOMM). Under a contract with Walla Walla County, the WWPD operates the Enhanced 911 center for all law enforcement, fire services, and ambulance services within Walla Walla County (WWPD, WWFD, WW County Sheriff's office, City of College Place Police and Fire Departments, Rural Fire Districts 1, 2, 3, 4, 6, 7 and the Walla Walla Airport Fire Department) except for Rural Fire District 5, covering the western portion of Walla Walla County near the Wallula/Burbank area which utilizes Franklin County's 911 call center due to logistics and phone service coverage. There are 17 employees with WESCOMM.

In 1997, the center moved from City Hall into the current 3,000 square foot facility at the SW corner of Rose Street and Second Avenue. This building also serves as the headquarters for the Walla Walla County Department of Emergency Management and the Emergency Operations Center. The current facility is located over Mill Creek and should be considered for relocation due to its vulnerability to impacts from flooding and/or earthquake damage. The building is owned by Walla Walla County and leased to WESCOM.

Level of Service and Future Needs
As the population and community's socio-economic mix change and the land area serviced by the department grows, the number of law enforcement personnel and the location of those personnel will also need to be addressed. The Department will need to adjust and adapt to these changes in order to maintain public safety and respond to calls in a timely manner. At present, with 48 commissioned officers and a population estimate of 33,390, the ratio is 1.43 officers per 1,000 people. Although this ratio is a common measurement used by agencies to evaluate the number of officers in a community, it does not address the actual amount of police time required to handle calls for service from inception to completion. The International City/County Management Association (ICMA) recommends that

workload be used to determine the number of officers required for a community. This assessment should consider workload, deployment and response times for patrol officers. This assessment method is recommended because the ratio approach to level of service does not factor in the type of service requests. A more holistic approach to level of service would be to analyze the type of 911 calls from the CAD system to assess needs. It is recommended that the Police Department utilize ICMA's Patrol Workload & Deployment Analysis System to conduct an assessment of the number of officers needed in the city.

Service calls between 2009 and 2017:

Walla Walla Police Department

Year	Requests For Service
2009	19,320
2010	19,879
2011	18,537
2012	19,701
2013	20,355
2014	18,820
2015	20,911
2016	19,128
2017	22,801

With the new police station and upgraded Evidence Storage renovations in place, a majority of the Police Department's future needs have been addressed. However, as the service population grows through annexation and in-fill on the Southside of town, it becomes more difficult geographically for timely police response to this area. The Fire Department is faced with the same dilemma. A small police satellite out-station as part of any new fire station built in the area would help the Police Department meet the needs of this growing area of the City.

Firearms Range

Currently, the Police Department is able to use the firearms range at the Washington State Penitentiary or the College Place Police Department range (which is for pistols only). Both locations are getting more and more difficult to schedule due to use from other competing entities. In order to sustain the highest possible training standards with regard to the extremely high liability issue of firearms use, the Police Department, in coordination with Public Works, has developed a plan for a firearms range located on some un-used land at the landfill. The initial cost estimates place this project at right around $300,000.

Fund/Department: Police Department
Date: 9/15/2020
Prepared by: Scott Bieber, Police Chief

Project Name	2020 Cost	2021 Cost	2022 Cost	2023 Cost	2024 Cost	2025 Cost	2026+ Cost	Project Description	Total Project Cost	Funding Source
Satellite Police Station				$ 125,000				Develop a satellite police station in conjunction with a south side fire station; location would be for officers serving area not full time staffed. Capital expense only; operation costs still to be determined.	$125,000	General Fund / Bond
Shooting Range				$ 300,000			$ 450,000	Construct a shooting range; Phase 1 will be pistol range. Phase II (5-10 years) full range development. Capital expense only; operational costs still to be determined. Site being considered is a portion of Sudbury Landfill.	$750,000	General Fund/ Loan / Grants
TOTALS	**$ -**	**$ -**	**$ -**	**$ 425,000**		**$ -**	**$ 450,000**			

Fund/Department: Police Department (WESCOMM)
Date: 9/15/2020
Prepared by: Scott Bieber, Police Chief

Project Name	2021 Cost	2022 Cost	2023 Cost	2024 Cost	2025 Cost	2026+ Cost	Project Description	Total Project Cost	Funding Source
New Dispatch Center					$ 3,500,000		Design and construct a new dispatch center (partnership with WW County); cost estimate includes design and construction	$ 3,500,000	Shared WESCOMM Expense
Maintenance and Replacement of Equipment	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 500,000	Estimate replacement costs $1.2 million over 10-12 years. Set aside to plan for these replacement costs.	$ 1,000,000	Shared WESCOMM Expense
TOTALS	**$ 100,000**	**$ 100,000**	**$ 100,000**	**$ 100,000**	**$ 3,600,000**	**$ 500,000**			

Department of Commerce

Exhibit 2

THANK YOU

We have received your amendment submission. Please allow 1-3 business days for review. Please keep the Submittal ID as your receipt and for any future questions. We will also send an email receipt to all contacts listed in the submittal.

Submittal ID: 2020-S-1807

Submittal Date Time: 09/18/2020

Submittal Information

Jurisdiction	City of Walla Walla
Submittal Type	60-day Notice of Intent to Adopt Amendment
Amendment Type	Comprehensive Plan Amendment

Amendment Information

Brief Description
Amend 6-year Capital Facilities Plan (2021-2026) with adoption of the City's biennium budget (2021-2022).

☐ **Yes, this is a part of the 8-year periodic update schedule, required under RCW 36.70A.130.**

Anticipated/Proposed Date of Adoption 12/02/2020

Attachments

Attachment Type	File Name	Upload Date
Comprehensive Plan Amendment - Draft	September 2021 - Draft 2021-2026 CFP.pdf	09/18/2020 03:03 PM

Contact Information

Prefix	Mr.
First Name	Preston
Last Name	Frederickson
Title	Development Services Director
Work	(509) 524-4710
Cell	
Email	pfred@wallawallawa.gov

☐ **Yes, I would like to be contacted for Technical Assistance.**

Certification

■ **I certify that I am authorized to submit this Amendment for the Jurisdiction identified in this Submittal and all information provided is true and accurate to the best of my knowledge.**

Full Name	Preston Frederickson
Email	pfred@wallawallawa.gov

Exhibit 3

City of Walla Walla
Development Services

FILE # CPA-20-0002

NOTICE OF PUBLIC HEARING

Notice is hereby given on October 9, 2020, by the City of Walla Walla Development Services Department that a public hearing will be held on the application described in this notice by the **City of Walla Walla Planning Commission** on **November 2, 2020** at **7 P.M.** Due to COVID-19 restrictions, this will be a virtual meeting. Members of the public are invited to participate via Zoom https://us02web.zoom.us/j/83345145196, Meeting ID: 833 4514 5196, dial in: 253-215-8782.
The purpose of this Public Hearing is to consider the draft 2021-2026 Capital Facilities Plan (CFP).

1. Applicant: City of Walla Walla
2. Location and description of proposed action: Non-project Action. The 6-year capital facilities plan identifies a list and schedule of capital expenditures for City Facilities. The CFP applies city wide.

With the City Service Center building closed to the public due to COVID-19 restrictions, the application/proposal documents may be reviewed by arrangement by contacting the Development Services Department at 509-524-4710 or visiting the city's website at https://www.wallawallawa.gov/government/development-services/public-notice.

Individuals who need auxiliary aids for effective communication are encouraged to make their needs and preferences known by contacting the Human Resources Department at 527-4475 prior to October 30, 2020.

Additional information on the application is available at:
City of Walla Walla
Development Services
55 E. Moore Street
Walla Walla, WA 99362
(509) 524-4710

Email: permits@wallawallawa.gov

The table below provides a list of projects completed or expected to be completed in 2020. These projects are no longer listed on the proposed 2021-2026 CFP.

Category	Project Name
Transportation	2020 Pavement Preservation Project – Reser, Prospect, Taumarson
Transportation	Spokane Street Bridge Replacement
Transportation	2019 Sidewalk Remediation Project
TBD	2nd Avenue Driveway Mitigation
IRRP	S. 3rd Avenue IRRP Project
Water	Plaza Way Water Main Abandonment
Water	Dredge Intake Dam
Wastewater	WWTP – Solids Belt Press Rebuild
Wastewater	WWTP – Solids Building Fans and Ceiling Replacement
Wastewater	WWTP – Pavement Replacement Project
Wastewater	Cottonwood Sewer Pump Station Upgrade
Stormwater	Whitman Street Storm Main Replacement – 2nd Ave. to 1st Ave.
Landfill	Water System Upgrades
Landfill	Safety Plan

The table below provides a list of 2020 projects that are in process and scheduled for completion in 2020. These projects are also not listed on the proposed 2021-2026 CFP.

Category	Project Name
Wastewater	Washington-Francis-Delmas Sewer Main Replacement
Wastewater	2020 – Sewer CIPP Project
Wastewater	WWTP – UV Replacement and Expansion

The table below provides a list of 2020 projects that have been delayed or canceled including a brief explanation for the delay/cancelation. If the project has been canceled it has been removed from the proposed 2021-2026 CFP. If it has been delayed it will be listed in the associated year.

Category	Project Name	Reason
Transportation	CDBG Project – 12th Ave/Lowden	Delayed to 2021 due to environmental permitting.
Transportation	Howard & Chestnut Int. Alternatives Analysis	Delayed to 2021 due to pandemic funding constraints.
IRRP	Penrose & Alvarado IRRP	Delayed to 2021 due to pandemic uncertainty in Spring of 2020.
Water	Reroof of Hydroelectric and Chlorine Buildings	Bundled with other projects as a time/cost savings measure. Construction scheduled for 2022.

Water	Service Center SCADA Screens	Reevaluating needs to determine if project is necessary.
Water	WTP - Bailey & Isolation Valves Replacement and Hydro Valve Installation	Bundled with other projects as a time/cost savings measure. Construction scheduled for 2022.
Water	Clinton Street Tank Interior Fix	Bundled with other projects as a time/cost savings measure. Construction scheduled for 2022.
Water	Golf Course Booster Pump Replacement	Bundled with other projects as a time/cost savings measure. Construction scheduled for 2022.
Wastewater	WWTP – Power Monitors	Bundled with other projects as a time/cost savings measure. Construction scheduled for 2022.
Wastewater	WWTP – VFD Replacement Phase 1	Bundled with other projects as a time/cost savings measure. Construction scheduled for 2022.
Wastewater	WWTP – RAS Pump Replacement	Bundled with other projects as a time/cost savings measure. Construction scheduled for 2022.
Wastewater	Spring Terrace Pump Station Upgrade	Delayed to 2021 due to staff workload/availability.
Landfill	Compost Pad Restoration/Rehabilitation	Delayed to 2022 to bunding with other on-site pavement restoration work.
Landfill	Replace Tarping System	Delayed to 2021 due to staff workload/availability.
Facilities	CH – Roof Repair/Rehab	Delayed to 2021 due to contractor availability.
Facilities	Service Center - Fuel Tank Replacement & Fueling Island Pollution Control Upgrades	Delayed to 2021 due to staff workload/availability.

The table below provides a list of 2021 project that are dependent upon outside grants or private funding prior to initiation and/or completion.

Category	**Project Name**
Transportation	Cottonwood Road Pedestrian Bridge
Transportation	Tietan – ADA Sidewalk/Ramps to 4th Avenue
Transportation	Mill Creek Bridge Removal at 4th, 5th, & 6th Avenue
TBD	Alder/Poplar TBD – Merriam to Colville
Water	Water Shed Fuel Reduction Program

The table below provides a list of projects scheduled for 2021.

Category	Project Name
Transportation	Howard and Chestnut Intersection - Alternatives Analysis (Postponement from 2020)
Transportation	Rose & 3rd Intersection Bridge Replacement
Transportation	2020 CDBG Sidewalk Project – 12th/Lowden (Postponement from 2020)
Transportation	Citywide Pedestrian Safety Treatments
TBD	Alder/Poplar TBD – Merriam to Colville
TBD	Plaza Way TBD – 9th Ave to Village Way (Partnership with WSDOT)
TBD	TBD Pavement Preservation Alder, Chestnut, Bryant & School
IRRP/TBD	Park Street IRRP/TBD
IRRP	Penrose & Alvarado IRRP (Postponement from 2020)
Water	Sumach & Sturm Water Main Upgrades
Water	Well #6 Cleaning
Water	Hydro Controls Upgrade and Historian Backup
Water	Hydro Generator 5-year Maintenance
Water	Mill Creek Road Utility Adjustment Project
Water	Risk & Resilience Emergency Response Plan, Wells and Clinton Street Level of Service
Water	Water Financial Plan Update and Cost of Service Analysis
Wastewater	2021 Sewer Main Replacement Project
Wastewater	WWTP – Trickling Filter Clarifier Conversion to Industrial Waste Holding Tank Project
Wastewater	Wastewater System Financial Planning Update and Cost of Service Analysis
Wastewater	Spring Terrace Pump Station Upgrade (Postponement from 2020)
Wastewater	Inflow & Infiltration Project
Stormwater	Service Center Shop Oil/Water Separator
Stormwater	S. 4th/Donald & Kenneth Stormwater Improvement Project (Postponement from 2020)
Stormwater	S. 4th Ave. to Garrison Creek Outfall Replacement Project
Stormwater	Spokane & Sumach Stormwater Separation Project
Stormwater	Culvert Crossing Replacement – Bryant Creek at S. Palouse St.
Landfill	Compost and Leachate Pond Leak Testing
Landfill	Comprehensive Solid Waste Management Plan
Landfill	Replace Tarping System (Postponement from 2020)
Facilities	SC – Building 65A – Water Shop Structural Retrofit and Reroof
Facilities	Service Center - Fuel Tank Replacement and Fueling Island Upgrades (postponed from 2020)
Parks & Rec.	Heritage Park – Central Plaza Construction (Design 2021, Const. 2022)