



City Council Workshop Agenda

August 26, 2025 at 6:30 PM

City Hall Council Chambers - 210 W 6th Ave and Virtual

The City of Kennewick broadcasts Council meetings on the City's website at

<https://www.go2kennewick.com/CouncilMeetingBroadcasts>.

Written public comment is accepted pursuant to KMC 2.04.047.

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1. 2024 General Sewer Plan Update
 2. Fireworks Education and Outreach

Council Agenda Coversheet	Item Number: 1. Item Type: Presentation Subject: 2024 General Sewer Plan Update Department: Public Works	Date: 8/26/2025 Category: Info Only
		
Summary The Washington Administrative Code (WAC) 173-240-020 (7), requires agencies providing city/ community sewer services to have an approved General Sewer Plan (GSP). Depending on a city or region's growth rate it is recommended to update the City's General Sewer Plan every 5-10 years. Kennewick's General Sewer Plan was previously updated in 2014. The subject 2024 General Sewer Plan Update was officially approved by WA Department of Ecology (WDOE) earlier this year on March 31 st , 2025. The Department of Public Works will provide an overview of the 2024 GSP Update.		
Attachments: 1. Memo 2. Presentation		



Leading the Way

MEMORANDUM

Public Works Department

Date: July 15, 2025
To: Kennewick City Council
From: Jeremy Lustig, PE, Deputy Public Works Director
Subject: **2024 General Sewer Plan Update**

The purpose of this memo is to provide a high level review and understanding of the changes within the 2024 GSP when compared to the 2014 GSP update.

The Washington Administrative Code (WAC) 173-240-020 (7), requires agencies providing city/community sewer services to have an approved General Sewer Plan (GSP). Depending on a city or region's growth rate it is recommended to update the City's General Sewer Plan every 5-10 years. Kennewick's General Sewer Plan was previously updated in 2014. The subject 2024 General Sewer Plan Update was officially approved by WA Department of Ecology (WDOE) earlier this year on March 31st, 2025.

Below is a high level overview of the most important changes between the 2014 and recently approved 2024 GSP update.

Background/ sewer model

- Sub-contracted sewer flow monitoring services at strategic sewer interceptor locations
 - Utilized sewer flow data to verify and calibrate the sewer model
- Updated the sewer model with new pipes added since 2014
- Revisited and confirmed the 50-year planning boundary (no change)
- Changed the Mannings roughness coefficient from 0.012 to 0.013 to coincide with WDOE design criteria
 - This change is *slightly* more conservative

Model Outputs Evaluated/ Capital Improvement Plan (CIP) – same approach 2014 & 2024

- Existing (0-5 years - immediate)
- Near-term (5-10 years)
- Longer-term (10-20 years)
- Build-out of planning boundary
- Review and bolster our asset management program for prioritizing sewer renewals & replacements (R&R) – added new in 2024

PUBLIC WORKS

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Summary of CIP Projects

- Existing (0-5 years - immediate)

The updated GSP does not show any immediate *capacity* related projects. One *system expansion* project is shown as needed, however it was completed this year as part of the Light Industrial Area (LIA) improvements project (Colorado Sewer). The plan also shows several *R&R* related projects for lift station upgrades, based solely on time since last upgrade. These lift stations are being evaluated for actual need and will be programmed as needed moving forward.

The 2014 GSP update had shown several capacity related projects that have all been evaluated further and upgraded, as necessary, since that plan was completed 10 years ago.

- Near-term (5-10 years)

Several projects previously identified in the 2014 GSP moved from longer-term (10-20 year) projects to now more near-term (5-10 year) projects. These projects are fairly significant projected *capacity* related projects and have high projected capital costs. As a result, city staff requested JUB break those projects up into more manageable phased projects that will still meet the anticipated capacity shortfall in coming years.

- Clearwater Interceptor – Phase 1 (C.1a) \$9.6M
- Amon Lift Station Upgrade – Phase 1 (C.3) \$1.7M
 - both to support growth fronting Bob Olson & LIA 223 acres
- Center Pkwy Interceptor (S.3) – “likely long-term” \$3.1M
 - to support UGA growth beyond 223 acres
- Zintel Canyon Interceptor – Phase 1 (S.4a) \$7.7M
 - to support growth south of Ridgeline/ east of US395

The plan also shows several *R&R* related projects for lift station upgrades, based solely on time since last upgrade. These lift stations will be evaluated for actual need and programmed as needed.

Sewer Enterprise Fund Impact/ 2024 Rate Study

Although the 2024 General Sewer Plan recently received WDOE approval (March 2025), the CIP projects identified above and within the 2024 GSP were known prior to the last Rate Study completed near the end of 2024 and those anticipated project timing & costs were incorporated.

Next Steps/ Near-term monitoring & planning

In 2024, Public Works staff purchased several semi-permanent sewer flow monitors and installed them in key sewer manhole locations specifically to monitor timing associated with the near-term improvements identified in the plan. With this additional sewer flow monitoring information, staff intend to engage JUB's assistance with further refining the extent of the near-term improvements that will be used for planning and design purposes in the coming years.

2024 General Sewer Plan Update

August 26, 2025

Jeremy J. Lustig, PE, Deputy Public Works Director



2024 GSP Update

Background info

- WAC 173-240-020 (7), requires agency approved GSP
- Previous GSP update in 2014
- Recommended to update every 5-10 years
 - Depending on rate of growth
- JUB Engineering, selected in 2021 to provide update
- GSP requires Department of Ecology approval
 - Final approval received March 31st, 2025

The Department of Ecology (Ecology) has reviewed the **City of Kennewick General Sewer Plan Update** which was revised and a final draft received January 2025.

In accordance with RCW 90.48.110 and Chapter 173-240 WAC, and on behalf of Ecology, the subject documents are hereby **APPROVED**.



2024 GSP Update

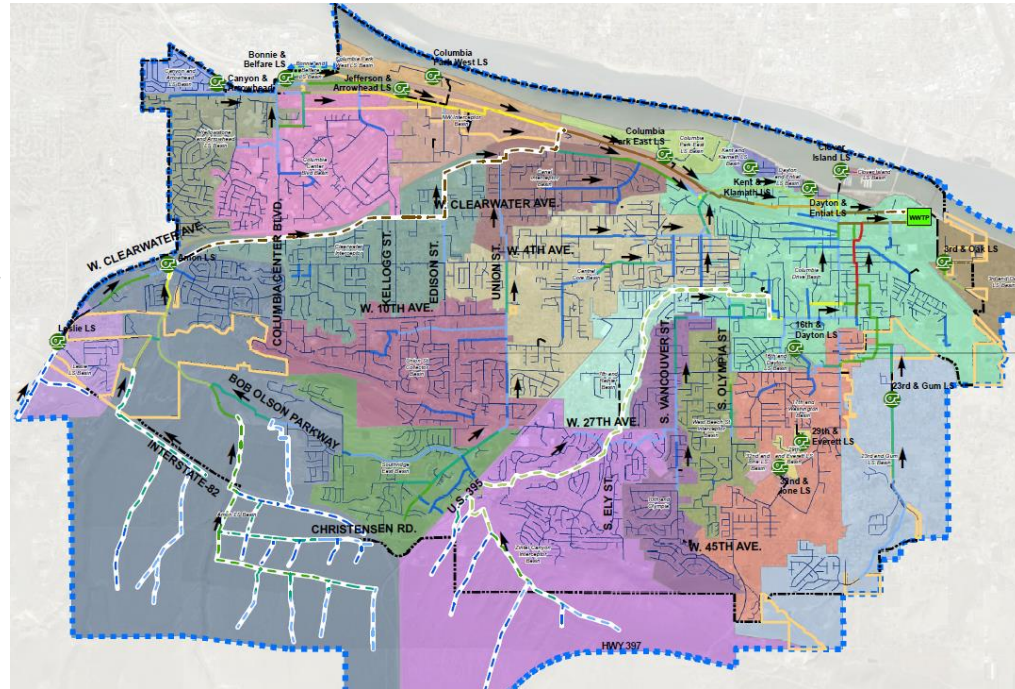
- Sub-contracted sewer flow monitoring at strategic interceptor locations
 - Data used to verify & calibrate sewer modeled flows
- Update sewer pipes in hydraulic model since last update
- Revisit and confirm 50-year planning boundary (no change)
- Evaluate:
 - Existing system for capacity deficiencies
 - Near-term system capacity based on growth assumptions
 - Long-term system capacity based on build-out of planning boundary
- Establish a comprehensive Capital Improvement Plan (CIP)
 - Existing (0-5 years - immediate)
 - Near-term (5-10 years)
 - Longer-term (10-20 years)
 - Build-out of planning boundary
- Review and bolster our asset management program for prioritizing sewer renewals & replacements (R&R)



2024 GSP Update – Existing (0-5 yrs)

Existing (0-5 years – immediate)

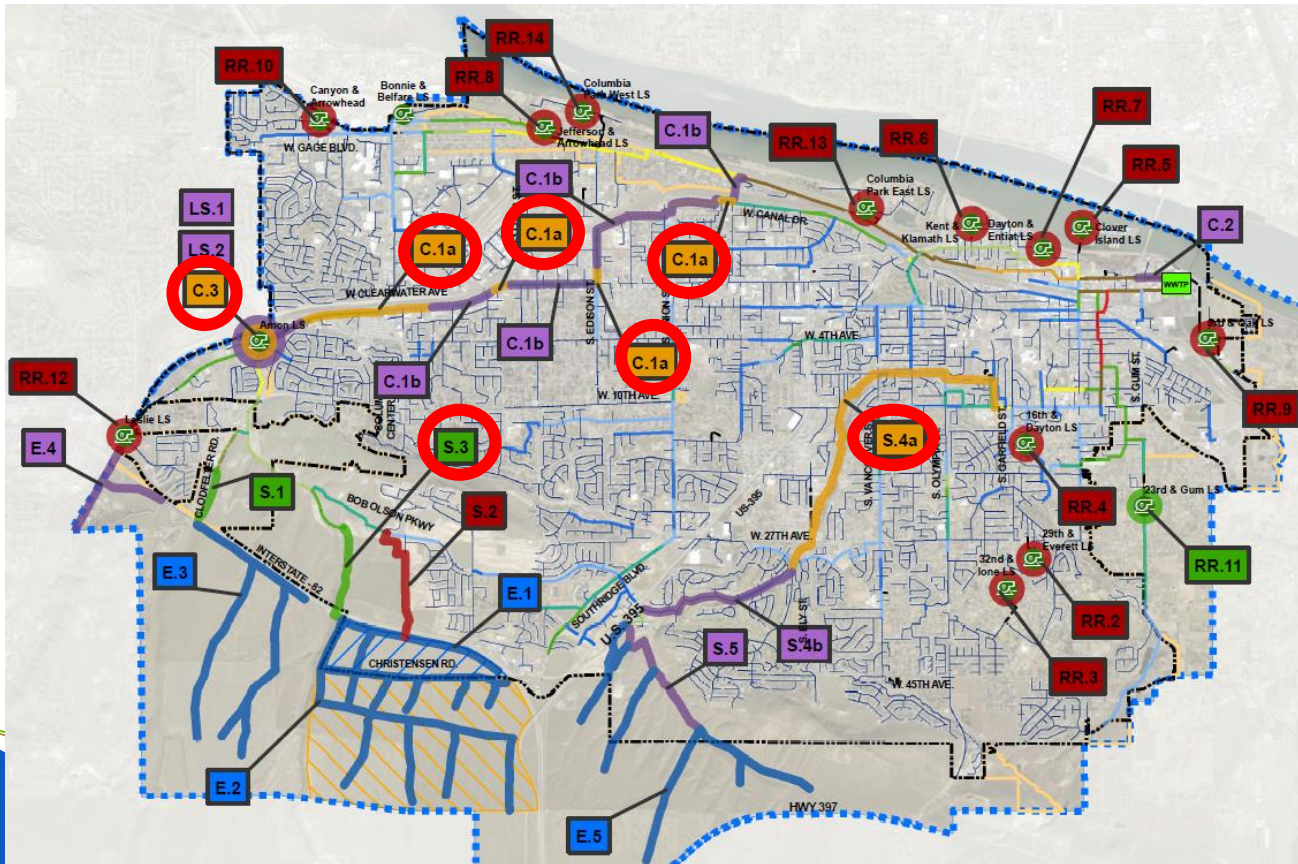
- Previous 2014 GSP update
 - Identified several existing system capacity issues
 - During the past 10 years – PW resolved all verified existing capacity issues from 2014
- 2024 GSP update
 - No existing capacity issues
 - One system expansion project, Colorado Sewer
 - Several rehab & replace projects related to lift stations
 - High level time based
 - Staff to evaluate and upgrade as needed



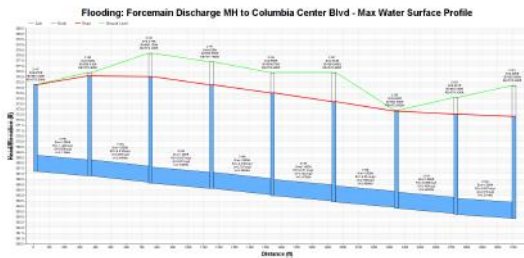
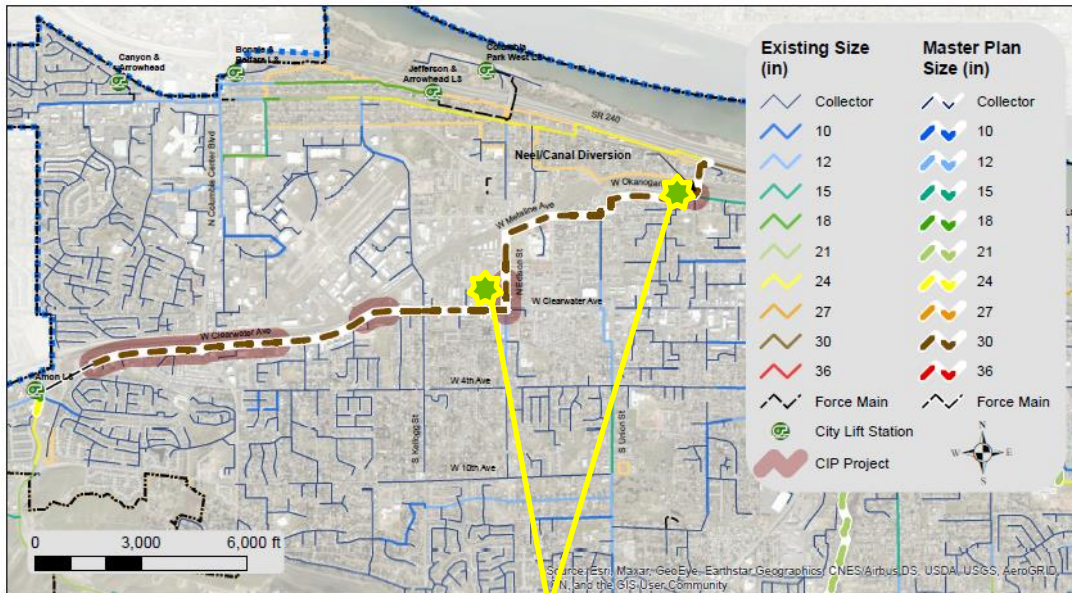
2024 GSP Update – Near-term (5-10 yrs)

Near-term (5-10 years) CIP Projects

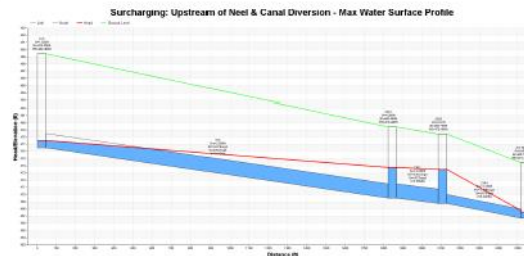
- C.1a, Clearwater Interceptor – Phase 1 \$9.6M
- C.3, Amon Lift Station Upgrade – Phase 1 \$1.7M
- S.3 Center Pkwy Interceptor (serve south I82) \$3.1M
- S.4a, Zintel Canyon Interceptor (10th to Ely St) \$7.7M



2024 GSP Update – Near-term (C.1a)



PW staff installed semi-permanent flow monitors to track flows & timing needed for improvement



City of Kennewick
2024 General Sewer Plan



C.1a

Clearwater Interceptor
Phase 1

CORE ISSUE

Insufficient Capacity

BACKGROUND

The Clearwater Interceptor conveys flows pumped from the Amon Lift Station. Development of the Proposed UGA Expansion Area will increase flow to the Amon Lift Station and will require an increase in the pumping capacity of the lift station. (See Section 6.5.3 of the 2024 General Sewer Plan Update for further discussion.) Although the Amon Lift Station has a build-out capacity of 3,200 gpm (4.6 mgd), the existing remaining capacity of the Clearwater Interceptor is approximately only 83 gpm (0.12 mgd). The interceptor consists of 21-inch, 18-inch, 15-inch, and 12-inch segments, none of which can convey the 3,200 gpm at constructed slopes. The Clearwater Interceptor will need to be either replaced or a parallel relief pipe constructed to convey the Master Plan flows. The Existing Sewer Model shows no surcharging; however, during the Committed Model Scenario, localized surcharging occurs. Both flooding and surcharging increase under the Master Plan Scenario.

RECOMMENDED SOLUTION

This project can either be completed as a pipe replacement, whereby the existing interceptor pipe will be abandoned and a single pipe will be sized to convey flows from the Master Plan scenario; or as a single relief pipe, where a parallel pipe will be constructed so that together the pipes can convey flows from the Master Plan scenario. The cost for the pipe replacement project is shown. The Phase 1 improvements shown are required to meet the Committed Model demands and are required prior to the Amon Lift Station Phase 1 upgrades. The Clearwater Interceptor Phase 2 improvements are required prior to the Amon Lift Station Phase 2 upgrades to meet the Master Plan demands.

Pipe Replacement

Install replacement 30-inch pipe in Clearwater Ave from the Amon Lift Station discharge manhole to near S Van Buren St, a portion between N Quay St and N McKinnley St, as well as in Edison St from Clearwater Ave to Entiat Pl; and in Canal Dr from Olson St to Neel St (Includes Neel/Canal Diversion Manhole).

- > Install 7,240 LF of 30-inch gravity trunk pipe
- > Construct new Amon Lift Station forcemain discharge manhole
- > Construct new Neel/Canal diversion structure
- > Opinion of Probable Cost (September 2023 Dollars)

\$ 9,590,000

PROJECT TIMING

This project was first identified in the Committed Model scenario as a bottleneck that will result in flooding. This is recommended prior to the Amon Lift Station Upgrade Phase 1.

5-10 Years

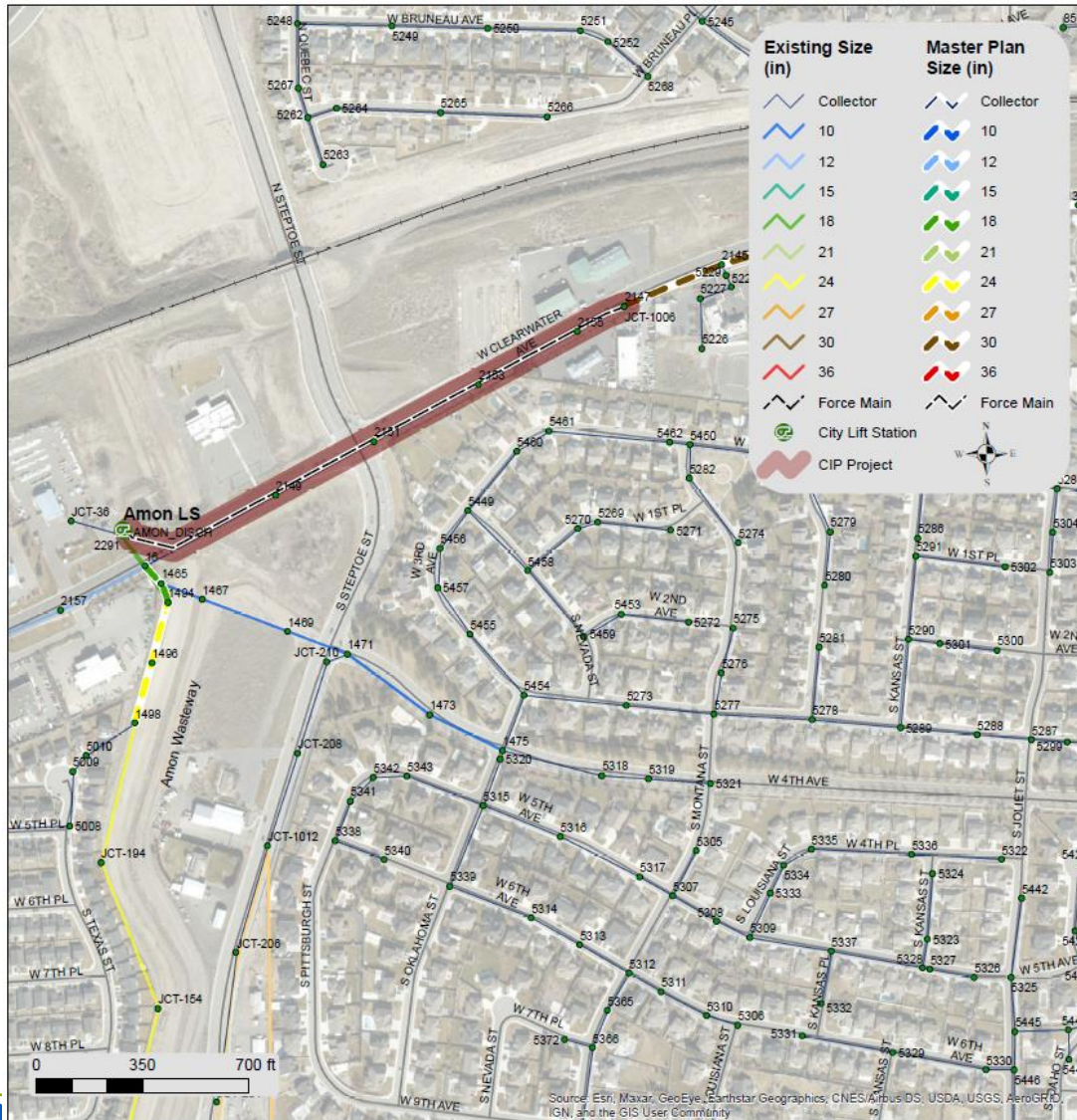
NOTE

A Master Plan is conceptual in nature and intended for planning purposes only. Field verification, survey, utility locates, and investigation of other potential upstream and downstream conflicts should be completed prior to preliminary and final design.

Date: Aug 23, 2024



2024 GSP Update – Near-term (C.3)



City of Kennewick
2024 General Sewer Plan



C.3 Amon Lift Station Upgrade Phase 1

CORE ISSUE

Insufficient Capacity

BACKGROUND

The Amon Lift Station is a wet pit/dry pit lift station with duplex constant speed pumps responsible for pumping wastewater from the Amon Lift Station Basin. The lift station is equipped with two 40 hp vertical non-clog Fairbanks Morse pumps, capable of 800 gpm, (1.15 mgd) each. The 800 gpm pumps are approaching 80% of their design capacity and to satisfy development within the UGA Expansion Basin a pump upgrade will be required. The original lift station design plan anticipated a future increase in pumping capacity and sized the drywell accordingly for new 125 hp pumps capable of conveying 3,200 gpm (4.6 mgd) of wastewater. However, as discussed in Section 6.5 of the 2024 General Sewer Plan Update, this will result in downstream surcharging and flooding of the Clearwater Interceptor. This is because the interceptor consists of 21-inch, 18-inch, 15-inch and 12-inch sections, none of which can convey 3,200 gpm at the constructed slopes. The Clearwater Interceptor has approximately 83 gpm (0.12 mgd) of remaining capacity, therefore, the Clearwater Interceptor Phase 1 improvements need to occur prior to Phase 1 of the Amon Lift Station Upgrade, see CIP Figure C.1a.

The Amon Lift Station Phase 1 Upgrade includes increasing the pumping capacity from 800 gpm to 1,500 gpm (2.16 mgd) (estimated motor size is 60 hp based on 95 ft of head). This will serve up to approximately 3,550 additional single-family residential homes. Electrical upgrades are also recommended and would include SCADA/telemetry improvements and a standby generator. The lift station currently discharges through an 8-inch forcemain pipe to a discharge manhole located 600 ft west of the intersection of Clearwater Avenue and Louisiana Street (MH 2147). A 14-inch forcemain was also installed at the time of the original lift station construction and will need to be placed in use to pump the Phase 1 flows. The flow velocity in the 14-inch forcemain will be slightly under 4 feet per second (fps). This upgrade would accommodate the Committed Model flows.

RECOMMENDED SOLUTION

Once peak flows into the Amon Lift Station reach 640 gpm, 80% of the current pumping capacity, the following upgrades are recommended:

- > New 60 hp pumps capable of 1,500 gpm at 95 ft TDH; Electrical system;
- Place 14-inch forcemain in service.

> Opinion of Probable Cost (September 2023 Dollars)

\$ 1,650,000

PROJECT TIMING

This project is dependent upon the growth and development of the Amon Lift Station Basin. The Clearwater Interceptor Phase 1 improvements must be completed prior the Amon Lift Station Phase 1 upgrades.

5-10 Years

NOTE

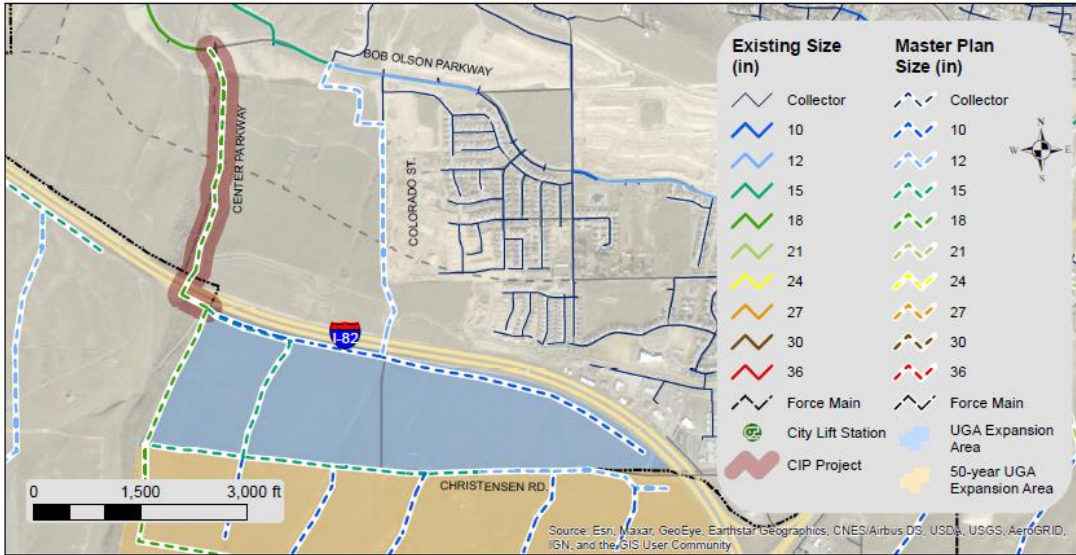
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Date: Aug 23, 2024



J-U-B ENGINEERS, INC.

2024 GSP Update – Near-term (S.3)



City of Kennewick
2024 General Sewer Plan



S.3 Center Parkway Collector

CORE ISSUE System Expansion

BACKGROUND

The Center Parkway Collector will collect flows from gravity collection pipe required to convey flows generated within the Phase 2 boundary of the UGA Expansion Area as well as residential land between Interstate-82 and Bob Olson Parkway. The Phase 2 UGA Expansion Area includes 1,026-acres of industrial land south of the existing UGA. The Center Parkway Collector project includes Utility Crossing #3, a trenchless crossing of Interstate-82, and crossing of the Amon Wasteway. The improvements for the Center Parkway Collector include a new 18-inch trunk pipe following the alignment of the future Center Parkway extension.

RECOMMENDED SOLUTION

Install a new gravity sanitary sewer collection system including an 18-inch Trunkline following the Center Parkway alignment and tie-into the Bob Olson Parkway Interceptor.

NOTE

Minimum slope of the 18-inch pipe north of I-82 shall be 0.24%.

- > 4,003 LF of 18-inch gravity trunk pipe from I-82 to Bob Olson Parkway.
- > Including 248 LF of trenchless crossing below Interstate-82.
- > Including 142 LF of crossing of KID's Amon Wasteway.

> Opinion of Probable Cost (September 2023 Dollars) **\$ 3,050,000**

PROJECT TIMING

This project is dependent upon the growth and development of the Amon Lift Station Basin and the UGA Expansion Area

5 - 10 Years

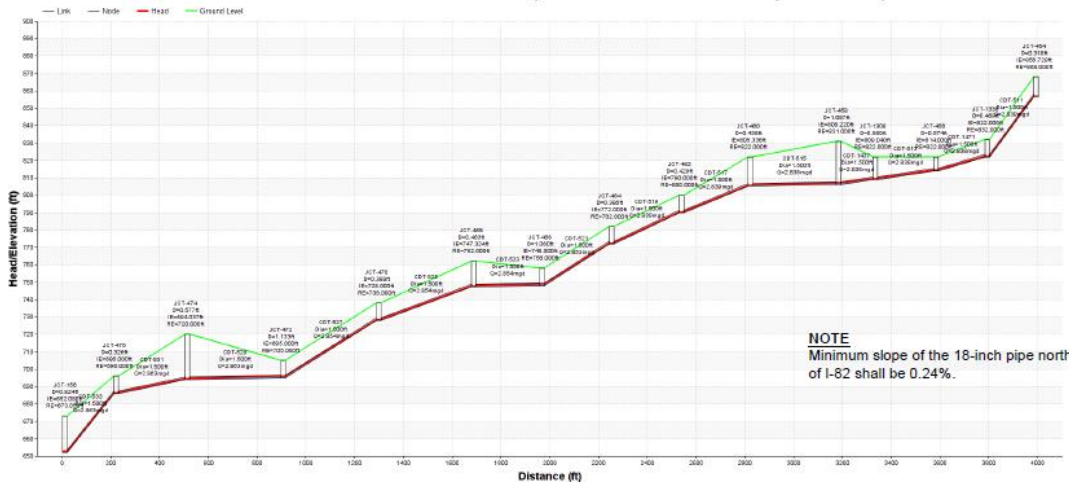
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Date: Aug 23, 2024

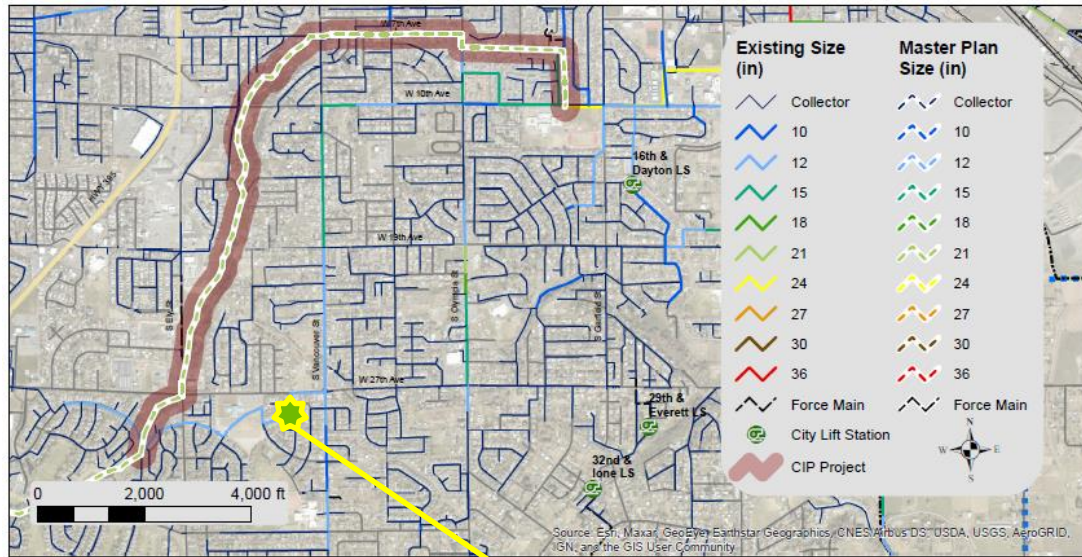


S.3 Maximum Water Surface Profile (Master Plan Flows With Improvements)



NOTE
Minimum slope of the 18-inch pipe north of I-82 shall be 0.24%.

2024 GSP Update – Near-term (S.4a)



S.4a Zintel Canyon Interceptor

CORE ISSUE System Modification

BACKGROUND

As development in the area south of the Zintel Canyon Dam (Zintel Canyon Interceptor Basin) increases, the Zintel Canyon Interceptor will be a necessary improvement to relieve surcharging in the existing collection system. Currently flows from the Zintel Canyon Interceptor Basin will be conveyed through the Canyon Lakes Interceptor and the Vancouver St Collector and ultimately into the Beech Street Interceptor. The Existing Sewer Model shows two issues already exist in the collection piping between S Ely Street and S Garfield Street-minor surcharging of 0.10 feet in one manhole (near W 10th Ave and S Garfield St), and several pipes nearing capacity ($d/D > 0.90$) (between S Ely St and Vancouver St). During the Committed Model scenario, the surcharging (at 10th and Garfield) increases to 0.14 feet while 1.55 feet of surcharging occurs between Ely and Vancouver. Surcharging increases under the Master Plan Model scenario.

A new 21-inch interceptor pipe through Zintel Canyon will provide increased capacity to convey the Committed Model flows. The proposed routing for the improvement will also provide service to a currently unsewered area, generally northwest of W 27th Ave and S Ely St.

RECOMMENDED SOLUTION

This project has two phases, A and B.

Phase A

- > Install 15,155 LF of 21-inch gravity trunk pipe from Canyon Lakes Dr. to 10th Ave.
- > Opinion of Probable Cost (September 2023 Dollars) **\$ 7,680,000**

PROJECT TIMING

Although this project will relieve the two issues identified in the Existing Sewer Model, it is dependent upon growth in the Zintel Canyon Interceptor Basin.

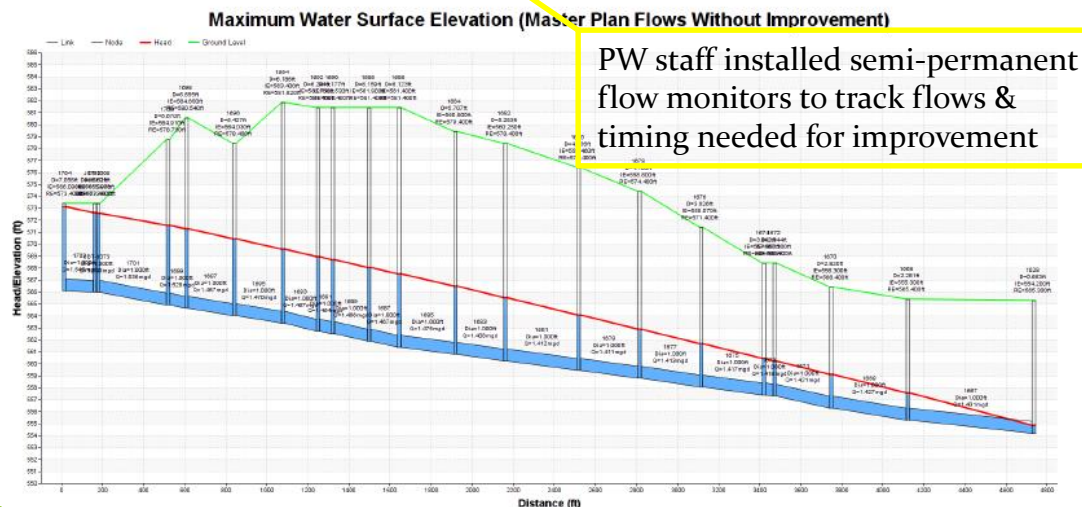
5 - 10 Years

NOTE

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Date: Aug 23, 2024

JUB
J-U-B ENGINEERS, INC.

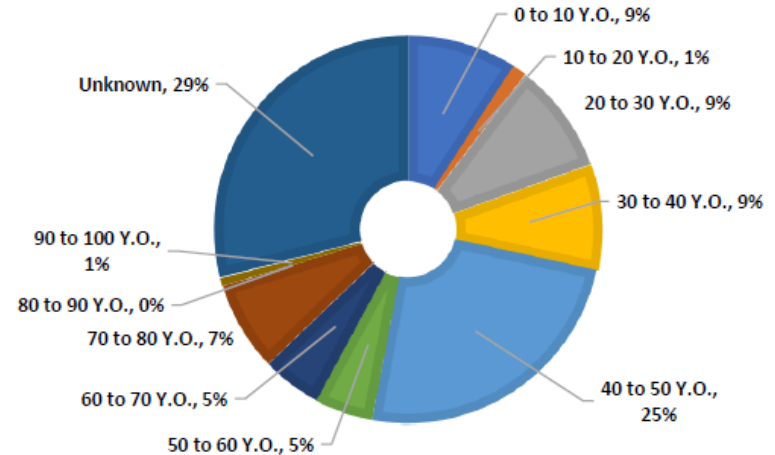


2024 GSP Update – Asset Management

Asset Management – condition based prioritization of sewer R&R

- Risk based approach
 - Risk = Consequence of Failure x Probability of Failure
- Consequence of Failure – factors
 - Pipe size
 - Existing flows
 - Location
- Probability of Failure – factors
 - Pipe material
 - Pipe age
- Staff continue to refine CCTV inspection strategies with the Risk Based approach in mind.

Figure 7-2 – Pipe Age



2024 GSP Update – Financial/ Next Steps

2024 Water & Sewer Rate Study

- *Projects identified within the 2024 GSP were incorporated in the latest Sewer Enterprise Fund Rate Study completed in 2024*

Next Steps & Near-term monitoring and planning

- PW staff installed several semi-permanent sewer flow monitors in existing manholes, as strategic capacity “pinch point” locations
 - Continue to monitor those pinch points to inform timing of future improvements
 - Requested JUB provide a more in-depth evaluation of timing and options given the above monitoring data



Questions?



Council Agenda Coversheet	Item Number: 2. Date: 8/26/2025 Item Type: Presentation Subject: Fireworks Education and Outreach Department: City Manager	Category: Info Only
		
Summary City Staff will present a proposed Fireworks Outreach Plan for 2026, which outlines strategies to increase public awareness and compliance with the City's fireworks regulations. The plan is data driven, builds on lessons learned from the first two years of enforcement, and incorporates feedback from the community and City Council. The outreach effort will utilize multiple communication channels to clarify permitted and prohibited activities, highlight safety considerations, and ensure consistent messaging ahead of the 2026 fireworks season while collecting valuable data points. The goal is to improve understanding, reduce illegal use, and enhance community safety.		
Attachments: 1. Fireworks Public Outreach Presentation		



LEGAL FIREWORKS PUBLIC OUTREACH PLAN

Educating our Community in 2026

KMC 15.30.240: Manufacture, Sale and Discharge
of Fireworks.

Presented by Dana Dollarhyde



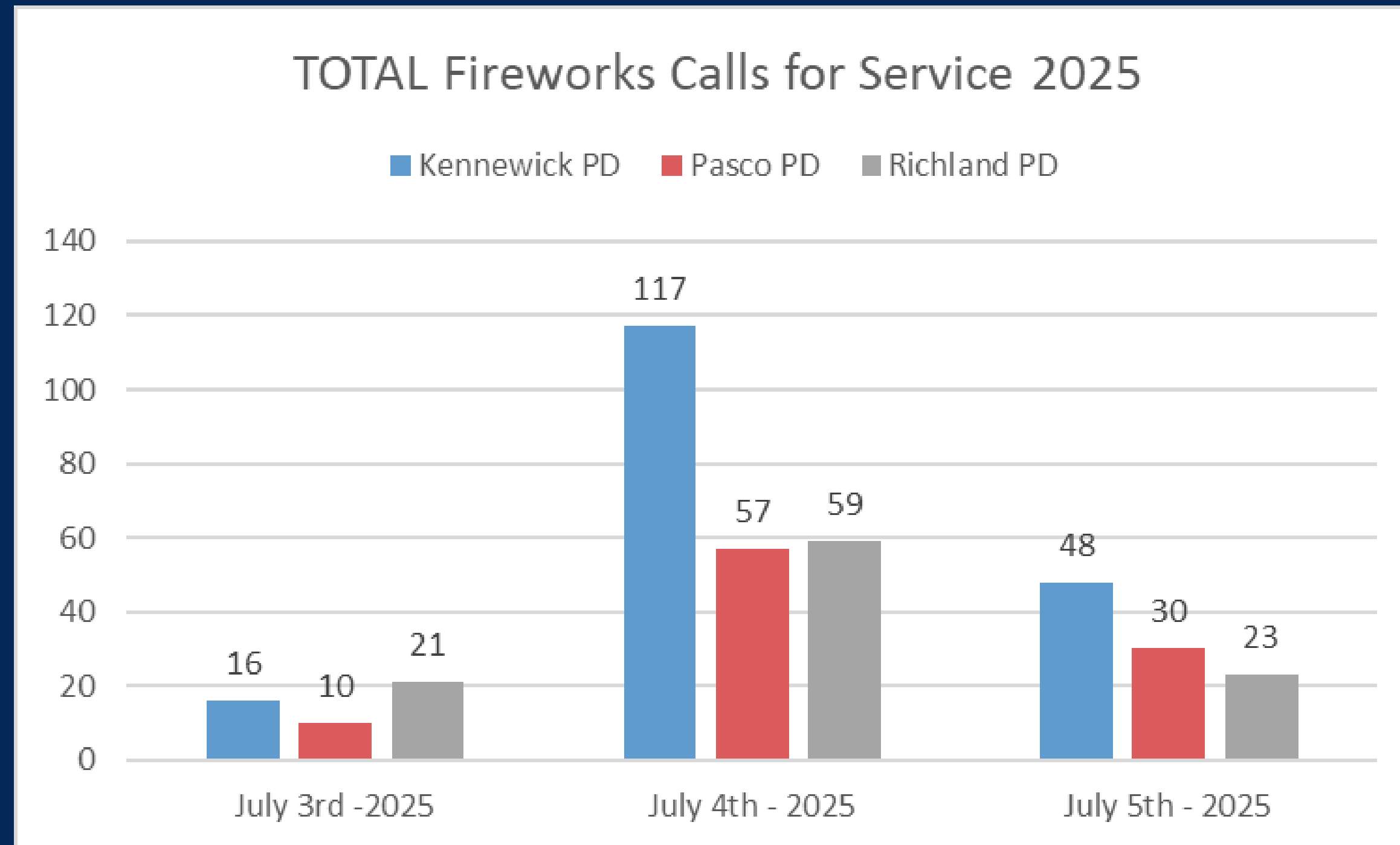


INTRODUCTION

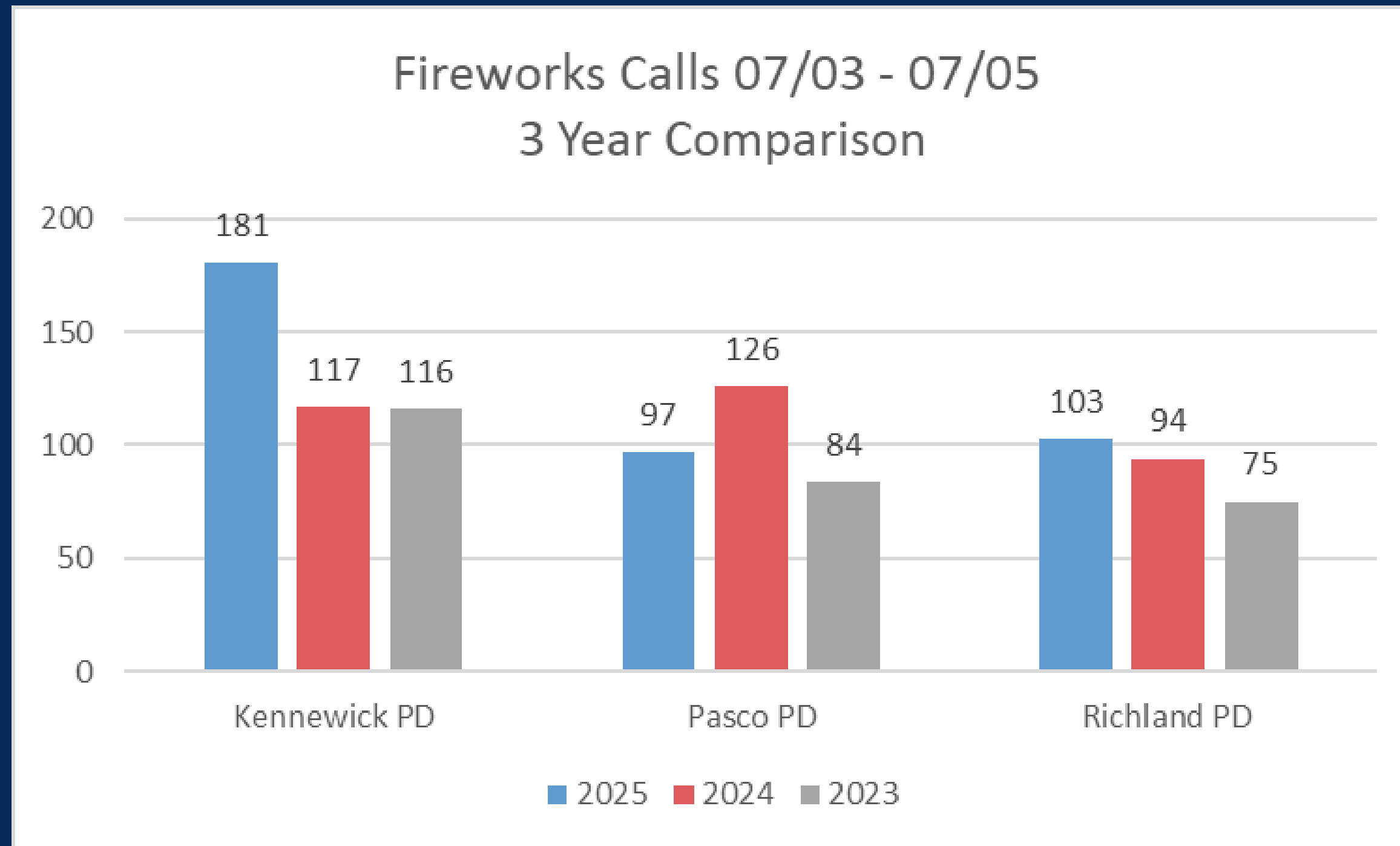


- In 2023, Council passed changes to the KMC that went into effect July 2024.
- Despite enforcement efforts, we saw confusion, complaints, and frustration from both residents and Council.
- Our goal in 2026 is to eliminate ambiguity and ensure every resident knows what's legal, what's not, and where to get accurate information.

BLASTS FROM THE PAST



BLASTS FROM THE PAST



ISSUES ADDRESSED



Issue in 2025

Minimal public awareness

Lack of communication

No enforcement visibility

Unclear messaging

Missed education opportunities

2026 Solution

Multi-channel outreach plan

Early Council briefings, regular updates

Video content and virtual ride-alongs

Unified brand: “Know Before You Light”

Schools, events, neighborhood touchpoints

GOALS & TIMELINE

- Educate residents clearly and consistently.
- Reduce illegal use through awareness.
- Reinforce public trust by showing we listened and improved.
- Support Code Enforcement and Fire/Police with proactive messaging.



Phase	Timing	Focus
Planning	January – February	Strategy, partnerships, design
Pre-Campaign	March – April	Teasers, internal briefings
Awareness Push	May – June	High-volume education push
Final Countdown	June 15 – July 4	Daily reminders, FAQs, enforcement
Evaluation	Post-July 4	Data collection, feedback, reporting

CORE MESSAGING

- Our theme: “Know Before You Light.”
- Additional taglines:
 - “Celebrate Safely. Know What’s Legal.”
 - “Illegal Fireworks = Fines and Fire Risk.”
- We will use friendly, visual materials with clear lists of legal/illegal items and FAQs.



OUTREACH CHANNELS



- Utility Bill Inserts – May & June
- Social Media Campaign – Weekly educational content + boosted posts
- Media Engagement – Local news, radio PSAs, interviews, etc.
- Text & Email Alerts – Before and during July 4 weekend
- Print Materials – Flyers, banners, reader boards
- Event Presence – Farmers markets, safety nights



- Fire & Police: Involved in videos, events, and virtual ride-alongs
- Schools: Youth art contest + take-home flyers before summer break
- HOAs & Neighborhood Groups: Targeted briefings
- Businesses: Info cards at local stores and fireworks stands

COMMUNITY ENGAGEMENT



ENFORCEMENT SUPPORT

- Collaborating closely with Code Enforcement and KFD/KPD.
- Messaging will highlight consequences(fines, danger), but focus on education first.
- We'll share behind-the-scenes enforcement content to show accountability and preparation.

KPD/KFD

Code Enforcement

Highlight Consequences

Education First





EVALUTAIION & METRICS



Internal Collaboration

- **Lead Agency:**
Marketing Team
- **Key Partners:**
Fire, Police, Code Enforcement, Parks
- **Support:**
Legal for messaging review, IT for web management

Metrics to track:

- Website traffic to fireworks info page
- Social media reach and engagement
- Number of illegal fireworks reports compared to 2025
- Survey responses post-July 4 from residents and council
- Increases in legal sales (from permitted stands only)

Debrief:

- Staff debrief meeting mid-July
- Report shared with City Council including data, lessons learned, and adjustments for 2027

BUDGET NEEDS

Item	Cost Estimate
Ad Boosting (social)	\$1,000
Printing (flyers, inserts)	\$750
Banners/signage	\$1,500
Promotional materials for events	\$500
Video/Media Support	\$250
Total	\$4,000



THANK YOU



www.Go2Kennewick.com

