



# City Council Meeting Schedule August 2020

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City Council passed Resolution 20-08 on June 23, 2020, which temporarily designates the location for regular, special and study session meetings to the virtual location until Benton County enters into Phase Three of the Governor's Safe Start Reopening Plan. The City broadcasts City Council meetings on the City's website <https://www.go2kennewick.com/CouncilMeetingBroadcasts>.

August 4, 2020

Tuesday, 6:30 p.m.

REGULAR COUNCIL MEETING

August 11, 2020

Tuesday, 5:30 p.m.

EXECUTIVE SESSION RCW 42.30.110(1)(ii) Pending  
Litigation (40 minutes)

Tuesday, 6:30 p.m.

WORKSHOP MEETING(the workshop meeting will be done via  
Zoom and broadcast on the City's website

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

1. Blasting Ordinance
2. Parks & Recreation Update
3. Fire Department Annual Update

August 18, 2020

Tuesday, 6:30 p.m.

REGULAR COUNCIL MEETING

August 25, 2020

Tuesday, 6:30 p.m.

WORKSHOP MEETING(the workshop meeting will be done via  
Zoom and broadcast on the City's website

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

1. Ethics Officer Update
2. Finance Update

To assure disabled persons the opportunity to participate in or benefit from City services, please provide twenty-four (24) hour advance notice for additional arrangements to reasonably accommodate special needs.

Please be advised that all Kennewick City Council Meetings are Audio and Video Taped

# Council Workshop Coversheet



Agenda Item Number	1.	Meeting Date	08/11/2020
Agenda Item Type	Presentation		
Subject	Blasting Ordinance Update		
Ordinance/Reso #	5868	Contract #	
Project #		Permit #	
Department	Fire Department		

Info Only	<input checked="" type="checkbox"/>
Policy Review	<input type="checkbox"/>
Policy DevMnt	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

## Summary

During the regularly scheduled Council Workshop on July 28, 2020, staff shared a draft version of the proposed blasting ordinance. Council provided feedback to staff, and staff made revisions to the draft based upon the feedback received.

Staff also developed a map to share with Council that illustrates the blast and survey notification ranges after the interim ordinance was put in place.

Council will be asked to adopt the proposed ordinance changes during the regularly scheduled Council Meeting on Tuesday, August 18, 2020.

Through	
Dept Head Approval	Chad Michael Aug 05, 20:27:44 GMT-0700 2020
City Mgr Approval	Marie Mosley Aug 07, 05:20:33 GMT-0700 2020

Attachments:

Ordinance - redline Maps
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## CHAPTER 15.35 BLASTING PERMITS

15.35.010:	Definitions—Adoption by reference.
15.35.020:	Permit required.
15.35.030:	Application—Contents.
15.35.040:	Fee.
15.35.050:	Liability insurance required.
15.35.060:	No assumption of liability.
15.35.070:	Storage of explosives prohibited.
15.35.080:	Transportation of explosives—Transportation plan.
15.35.090:	Use of explosives.
15.35.100:	Violations—Penalties.
15.35.110:	Revocation.
15.35.120:	Appeals.

### **15.35.010: Definitions—Adoption by reference.**

- (1) The definitions set forth in WAC 296-52-099, and any amendments thereto, are adopted by reference.
- (2) The definitions set forth in the [most recently adopted version of the International Fire Code Chapter 56, Explosives and Fireworks](#), and any amendments thereto, are adopted by reference.
- (3) The definitions set forth in the most recent edition of the NFPA 495, Explosive Materials Code, and any amendments thereto, are adopted by reference.
- (4) [The following definitions are added to the definitions provided in the codes above:](#)
  - (a) [Air Overpressure \(Air blast\): A sound pressure wave from a blast traveling through the atmosphere, Air blast is expressed in units of pounds per square inch \(psi\) or decibels \(Db\).](#)
  - (b) [Controlled Blasting: Careful blasting methods used to minimize the effects of blasting on structures and to minimize damage to surrounding rock. Also see Perimeter Controlled Blasting. Controlled Blasting methods involve distributing and minimizing the explosive charges to minimize stressing and fracturing of the rock behind the neat excavation line.](#)
  - (c) [Maximum Charge Weight per Delay: For purposed of vibration control, any charges firing within any 8-millisecond time period are considered to have a cumulative effect on vibration and air blast effects, Therefore, the maximum charge per delay equals the sum of the weight of all charges firing within any 8-millisecond time period.](#)
  - (d) [Peak Particle Velocity \(PPV\): The maximum of the three ground vibration velocities measured in the vertical, longitudinal longitudinal and](#)

transverse directions. Velocity units are expressed in inches per second (ins/sec) or millimeters per second (mm/sec) and measured by a blasting seismograph.

- (e) Scaled Distance: The distance from a blast measured in feet, divided by the square root of the charge per delay period measured in pounds. Scaled distance values are used in calculations to predict and evaluate ground vibrations. For air blast calculations, cube root scaling is used and distance is divided by the cube root of the maximum charge per delay.
- (f) Springing: The blasting practice of detonating a charge in a drill hole to create a cavity in order to place a larger concentrated charge of explosives. Springing will not be permitted in the City of Kennewick.
- (g) U.S. Bureau of Mines (USBM) RI 8507 PPV Frequency Plot: A plot of measured peak particle velocity vs. measured frequency on a logarithmic horizontal and vertical scales, examples of which are shown in Appendix A of "Structure Response and Damage Produced from Surface Mine Blasting", U.S. Bureau of Mines, Report of Investigation 8507, by D. E., Siskind, et. al., dated 1980

~~(5)~~(4) Whenever any conflict exists between the cited definition or the definitions in the referenced codes, the most restrictive definition shall apply. Whenever any conflict exists between the substantive provision of this chapter and those of the above-referenced codes, the more restrictive provision shall apply.

(Ord. 5868 Sec. 5, 2020)

**15.35.020: Permit required.**

- (1) This Statement of Concern is expressly written to alert the CONTRACTOR to the fact that those ordinary practices that are customarily considered as standard for the blasting industry will not be acceptable in the City of Kennewick. The use of Controlled Blasting techniques involving extra caution and skill will be required to complete Blasting Projects in the City in a satisfactory and acceptable manner.
- ~~(2)~~(+) No person, company or corporation shall be in possession of explosive materials, or conduct an operation or activity requiring the use of explosive materials, or perform, order or supervise the loading and firing of explosive materials without a current and valid blasting permit issued by the city. This chapter shall not apply to those exemptions listed in RCW 70.74.191, as may be amended, and WAC 296-52-401(3) through (4), as may be amended.
- ~~(2)~~(3) Explosive materials shall not be transported, sold, given, delivered or transferred to anyone in the city not in possession of a valid blasting permit.
- ~~(3)~~(4) A blasting permit is required for every individual project requiring blasting.
- ~~(4)~~(5) A permit issued under this chapter to any person, company or corporation is nontransferable to any other person, company or corporation and shall be issued for a period not to exceed one year (12 months from the date of issuance). Permits are only valid for the physical area noted in the application.

~~(5)~~(6) All federal, state and city laws and regulations applicable to obtaining, owning, transporting, storing, handling and using explosive materials shall be followed and be a condition of all blasting permits issued by the city.

~~(6)~~(7) Blasting permits will be subject to review and approval by the Fire Code Official, or their designees.

(Ord. 5868 Sec. 5, 2020)

**15.35.030: Application—Contents.**

The city shall have power and authority to issue a permit for blasting but before doing so shall require the person, company or corporation to whom the permit is to be issued to file an application, which shall include the following:

- (1) A completed application form provided by the city specifying the name and address of the person, company or corporation applying for the permit, and the name and address of the blaster or of the person who will actually supervise the blasting. The legal owner of the property or properties where the activity will be conducted will also be noted, along with contact information.
- (2) Copies of A-current and valid Blaster's License(s) Certificate of Possession for Explosives issued by the Washington State Department of Labor and Industries to one or more individuals that will perform the duties of the Blaster in Charge (BIC) employed in the work for which the blasting permit is sought for the project.
- (3) Copies of current and valid Employee Possessor License(s) issued by the Federal Department of Alcohol, Tobacco and Firearms (ATF) for those individuals who will be responsible for receiving and possessing explosives for the project.
- ~~(3)~~(4) An explosives transportation plan as hereinafter provided.
- ~~(4)~~(5) A General bBlasting pPlan as hereinafter provided.
- (6) A Blasting Safety Plan as hereinafter provided.
- ~~(5)~~(7) A traffic control plan as hereinafter provided.
- ~~(6)~~(8) A pre-blast notification plan as hereinafter provided.
- (9) Pre-blast Property Condition Inspection Reports shall be provided to the Fire Code Official as a Condition of the Permit as hereinafter provided.
- ~~(7)~~(10) A city of Kennewick business license.

(Ord. 5868 Sec. 5, 2020)

**15.35.040: Fee.**

The fee for blasting permits is \$200.00. The fee for blasting permits will be determined based upon actual administrative costs; including review time, consultant costs, and inspection time's incurred by staff of the Fire Marshals Officials Office. The fee shall be posed and updated according to existing processes as noted in KAC 8-40-010 Fire Permit Fee Schedule.

(Ord. 5868 Sec. 5, 2020)

**15.35.050: Insurance policy.**

- (1) Before approval to do blasting is issued, the applicant shall deliver a contractor's bond running to the City, in the minimum amount of \$25,000.~~00~~ conditioned upon the indemnification and payment by the permittee of all claims for injury and damages to persons or property, public or private, resulting from any blasting activity of the permittee.
- (2) Before approval to do blasting is issued, the applicant shall furnish evidence of insurance covering bodily injury and property damage liability exposures including the "X, C, U" perils (explosion, collapse and underground) on the comprehensive or commercial general liability occurrence form. Limits of liability are to be no less than ~~\$500,000.00~~ five hundred thousand dollars one million dollars ~~combined~~-single limit per occurrence and two million dollars aggregate. If written on the commercial liability form, the aggregate limits shall be no less than ~~\$1,000,000.00~~ one million dollars two million dollars Coverage will include the City being named as an additional insured and ~~30~~ thirty days' prior notice of cancellation, nonrenewal or material policy modification to the City. The Fire Official or their designee may require additional coverage or higher limits as circumstances warrant.

(Ord. 5868 Sec. 5, 2020)

**15.35.060: No assumption of liability.**

- (1) By the passage of the ordinance codified in this chapter or the issuance of any permit under this chapter, the city assumes no responsibility for any damage caused by the person, company or corporation blasting within the city.
- (2) This chapter shall be enforced for the benefit of the health, safety and welfare of the general public, and not for the benefit of any particular person or class of persons.
- (3) It is the intent of this chapter to place the obligation of complying with its requirements upon the applicant for a blasting permit. No provision of or any term used in this chapter is intended to impose any duty upon the city or any of its officers or employees which would subject them to damages in a civil action.

(Ord. 5868 Sec. 5, 2020)

**15.35.070: Storage of explosives prohibited.**

- (1) No overnight storage of explosive materials is permitted within the city limits. Blast holes loaded with explosives are to be shot on the day they are loaded.
- (2) If misfires or other unexpected blast delays occur such that a shot cannot be detonated within the time window established for detonation, then the licensed BIC, working for the Permittee, shall guard the shot overnight and detonate it the following day. At no time is it permitted to load a blast if that blast cannot be detonated on the same day.
- ~~(2)~~(3) The required daily method of handling explosives in the city is as follows:
  - (a) Delivery;
  - (b) Standby during loading; and

(c) Return of all unused explosive materials used in blasting.  
(Ord. 5868 Sec. 5, 2020)

**15.35.080: Transportation of explosives—Transportation plan.**

Transportation vehicles, and the operation of transportation vehicles, must comply with federal and state regulations for motor transport of explosive materials. A plan that addresses the transportation of explosive materials within the city must be included with the application for blasting permit. The transportation plan must detail the following information:

- (1) A Route used for deliveries and returns;
- (2) Hours of transportation;
- (3) Maximum quantities of explosives being transported, and the identification of the types of explosives being transported;
- (4) Types of transportation vehicles being used; and
- (5) Contact information of the Carrier and Driver of the vehicle used.

(Ord. 5868 Sec. 5, 2020)

**15.35.090: Use of explosives.**

The use of explosives within the city must comply with federal and state regulations concerning the use of explosives, including, but not limited to, Chapter 70.74 RCW and [the current edition of WAC 296-52-437 and 296-52-493](#).

- (1) [General](#) Blasting Plan. A blasting plan for each discrete project requiring the use of explosives shall be submitted to and approved by the city prior to the issuance of a blasting permit. The plan shall be accompanied by additional documentation (e.g., maps, site plans and excavation drawings) in order to detail the proposed blasting operation. The plan shall include:
  - (a) The location where the blasting is to occur; [This shall include, at a minimum, a plan showing the proposed blast area, construction site and surrounding structures. Provide a second drawing showing the layout of the blast area accompanied by a minimum of one long section and two cross sections showing the limits of the blasting work to be completed. The City may require resubmittal of plans if the limits of the work and the blast area are not clearly defined;](#)
  - (b) The approximate total volume of material to be blasted;
  - (c) The incremental volumes, per blast, of material to be blasted. [Provide a plan and two orthogonal cross sections through the first two planned blasts showing proposed blast hole layouts and depths, proposed hole loads and stemming, estimated powder factor, delay sequencing, planned maximum number of pounds of explosive that will detonate in any 8ms period, and predicted Peak Particle Velocities at the closest adjacent structures \(in minimum of 4 different orthogonal directions\);](#)
  - (d) The types and packaging of explosive materials to be used [along with Manufacturer's product information sheets and Material Safety Data](#)

Sheets (MSDS) for all explosives, blasting agents, primers and initiator products, blasting devices, lightning detectors, blasting mats, and all other blasting equipment proposed for use;

- (e) The drill hole diameters, depths, patterns, sub-drilling depths and drill hole orientations to be used;
- (f) The initiation system, the incremental delay times and the location of the primers in the explosive column;
- (g) The stemming depths and stemming material for the various estimated depths of drill holes to be blasted;
- (h) The approximate powder factors anticipated;
- (i) The fly-rock control procedures and equipment, if any, to be used;
- (j) The maximum number of blasts to be made in any one day;
- (k) The blast warning sound system and equipment to be used; and
- (l) The scheduled start date and finish date of blasting operations.

## (2) Blasting Safety Plan

- (a) A complete description of the warning, clearing and guarding procedures that will be employed to ensure personnel, staff, visitors, and all other persons are at safe locations during blasting. This information will include details regarding visible warning signs or flags, audible warning signals, method of determining blast areas (all areas affected by any potentially harmful blast effects), access blocking methods, guard placement and guard release procedures, primary initiation method, and the system by which the blaster-in-charge will communicate with site security guards;
- (b) Detailed description of how explosives will be safely stored transported and used at the site. Plans will explain how day storage magazines and explosive transport vehicles will satisfy all applicable BATF, OSHA, DOT, Federal, and State regulations. This plan will also indicate how explosives will be inventoried secured and guarded to prevent theft or unauthorized use of explosives.
- (c) Equipment that will be used to monitor the approach of lightning storms and in the event of such, evacuation and site security plans.
- (d) Detailed contingency plans for handling of misfires caused by cutoffs or other causes.
- (e) Fire prevention plan details, including, smoking policies, procedures and limitations for work involving any open flames or sparks, description and location of all firefighting equipment, and firefighting and evacuation plans. The fire prevention plan will be subject to approval by the Fire Code Official.
- (f) Description of the personal protective equipment that will be used by the Contractor's personnel, including but not limited to safety glasses, hard-toe

[footwear, hard hats, and gloves and any special provisions required for complying with Covid 19 requirements.](#)

- ~~(2)~~(3) Traffic Control Plan. A traffic control plan, acceptable to the city detailing signing, flagging, temporary road closures and detour routes for blasting operations must be provided prior to the issuance of a blasting permit. If any road closures are proposed, the traffic control plan must account for school bus schedules and shall not delay school buses on regularly scheduled routes.
- ~~(3)~~(4) Pre-Blast Notification Plan. A plan outlining a program of pre-blast public notifications, structural inspections and blast effect monitoring within a specified distance of the blasting is required prior to the issuance of a blasting permit.
- (a) The distances from the blasting within which the (a) notification, (b) pre-blast structural inspection, and (c) blast monitoring are required and shall be determined by the scaled distance formulas set forth below. No blasting will be permitted until the notification and inspection requirements are completed. The Fire Code Official can increase the minimum distances.
- (i) Distance from the blast within which notification of all occupied structures is required:  $D_a = 90\sqrt{w}$ .
- (ii) Distance from the blast within which inspection of all occupied structures is required:  $D_b = 75\sqrt{w}$ .
- (iii) Distance from the blast within which monitoring of selected structures is required:  $D_c = 60\sqrt{w}$ .
- (b) In the scaled distance formulas (noted above),  $D_a$ ,  $D_b$ , and  $D_c$  are the actual distances in feet from the closest point in the blast. " $\sqrt{w}$ " is the square root of the maximum weight of the explosives in pounds detonated with a minimum eight millisecond separation from another detonation event in a sequentially delayed blast.
- (c) Notification Letter. The pre-blast notification shall consist of a letter advising all residents within a specified distance of the blasts of the character and intent of the blasting program, its anticipated impact on local residents, the proposed duration of blasting activities and providing telephone numbers for public contact. Distribution of this notification shall be made a minimum of seven days prior to the start of blasting. [Copies of the Notification Letter\(s\) shall be provided to the Fire Code Official.](#)
- (d) Pre-Blast Inspection. A pre-blast inspection of residents' property shall be offered to all residents within the specified distance of the blasting at the permit holder's expense and done by a qualified third party who is not an employee of the contractor. A copy of the individual inspection reports and a log of all photos taken are to be sent to the Fire Code Official or their designees. Where inspections are disallowed by the resident or not possible for other reasons, a certified letter shall be sent to the occupant/owner at the unsurveyed address advising them of their right to a pre-blast inspection and the possible consequences of denying an inspection.

(e) The pre-blast inspection program for residences within the specified distance shall be completed no later than two days prior to the start of blasting with notification to the Fire Code Official or their designees.

~~(4)~~(5) Blast Plan Compliance Inspections. During the first scheduled blast operation a representative(s) of the Fire Official's Office shall be present and witness the blast operation. The Fire Code Official, or their designee, shall conduct additional site visits to observe subsequent blasting operations at the discretion of the Fire Code Official.

~~(5)~~(6) Post-Blast Inspection. Building owners may request an inspection of their property if, following a blast, they feel damage has occurred to their property because of the blasting. This request may be made regardless of scaled distance formula criteria given in subsection (C) of this section. This inspection is to be made by an operator's representative within 15 days of the request. If no agreement is arrived at between the operator and property owner, the city, upon request by the operator or the property owner, shall arrange to have a qualified third party do an inspection and submit a timely report to all parties concerned. The cost of the inspection will be borne equally between the affected party and the blasting contractor. The report will be provided to both parties and the city.

~~(6)~~(7) Monitoring. All blasts are to be monitored using blast-monitored equipment designed for that purpose and carrying a certificate of calibration dated within the current calendar year. The blast monitors shall record Peak Particle Velocity (PPV) and frequency in three orthogonal directions and air over pressure in dBL. For shots in which the pounds detonated per eight millisecond time increment are less than ~~ten~~10 pounds and the closest structures are more than 200-ft away, one blast monitor is required. When ~~ten~~10 or more pounds are detonated per eight millisecond time interval, two blast monitors are required. All blasting-monitoring records are to be signed and submitted to the city within 24 hours of each blast.

~~(7)~~(8) Maximum Peak Particle Velocity. The maximum peak particle velocity in any seismic trace at the dominant frequency to be allowed on any residential, business or public structure shall conform to WAC 296-52-67065. (See ~~Table 8A and 8B~~Figure 8a or 8b for Reference), modified as follows:

(a) If the estimated/predicted vibration levels at any adjacent structure, for any of the blasts, are greater than 50% of the maximum allowable limits in WAC 296-52-67065, Figure 8a or 8b then the Permittee shall retain a Professional Engineer (PE) licensed in the State of Washington to examine the planned blasting program, adjacent structures and any condition surveys performed and to prepare and stamp a report demonstrating and affirming that the adjacent structures will not be damaged by the proposed or revised blasting program. The City shall review the Professional Report and may increase the allowable limits beyond the 50% maximum allowable limits in WAC 296-52-67065, Figure 8a or 8b at their sole discretion. They may also determine that the 50% maximum allowable limits in WAC 296-52-67065, Figure 8a or 8b be retained to afford mitigation to the potentially affected parties.

(b) The methods to be used for blast vibration monitoring shall be provided in the Blast Plan along with the methods used to predict vibration levels and the magnitudes of predicted vibration levels for planned blasts.

Figure 8-A WAC 296-52-67065

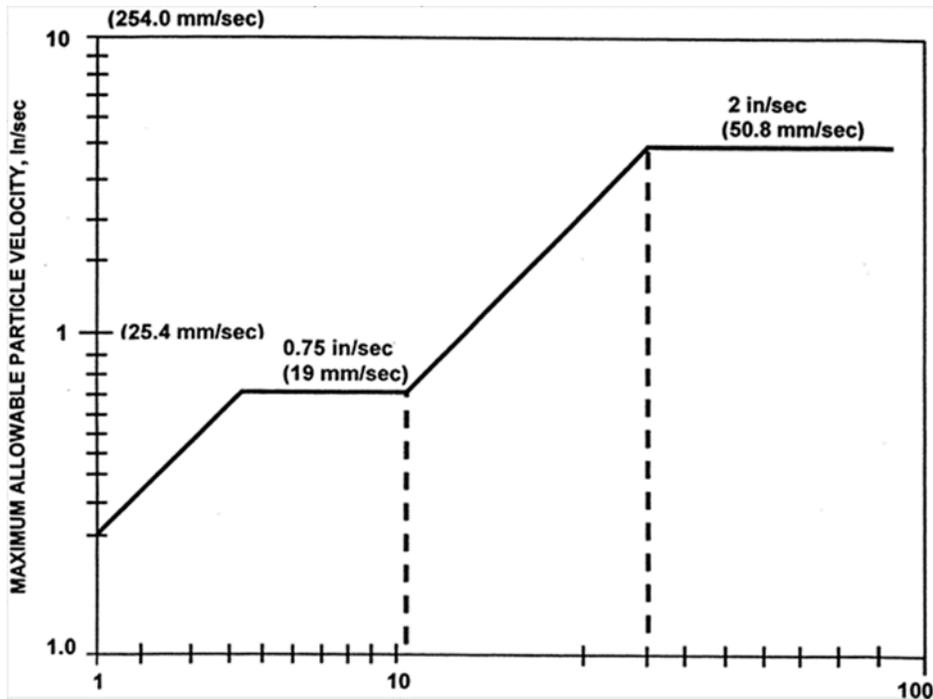
**PEAK PARTICLE VELOCITY LIMITS**

Distance from blasting site	Maximum allowable peak particle velocity1
0 to 300 ft. (91.4 m)	1.25 in/sec (31.75 mm/sec)
301 to 5000 ft. (91.5 m to 1524 m)	1.00 in/sec (25.4 mm/sec)
5001 ft. (1525 m) and beyond	0.75 in/sec (19 mm/sec)

1 Peak particle velocity must be measured in three mutually perpendicular directions and the maximum allowable limits must apply to each of these measurements. Table 8-A WAC 296-52-67065

~~Frequency versus particle velocity graphics. In lieu of Table 8-A, a blasting operation has the option to use the graphs shown in Figure 8a or 8b to limit peak particle velocity based upon the frequency of the blast vibration. If either of the graphs in Figure 8a or 8b is used to limit vibration levels, the methods used for monitoring vibration and calculating frequency must be included in the blast plan.~~

Figure 8-B WAC 296-52-6706



~~(8)~~(9) Air Blast. The maximum air blast over pressure permitted at the closest residential, business or public structure designed for human occupancy is not to exceed 133 dBL @ 2.0 Hz hi pass system per the USMB RI 8485.

~~(9)~~(10) Utilities. Whenever blasting is being conducted in close proximity to or under existing utilities, the utility owner shall be notified a minimum of 24 hours in advance of blasting, by the applicant. The Fire Code Official shall be notified that this was accomplished prior to blasting.

~~(10)~~(11) Blast (Shot) Report. A signed Blast (Shot) Report on a form approved by the Fire Code Official, Community Development Director, or their designee, shall be filed with the city within 24 hours of making the blast. The report shall include the following blast information:

- (a) Date, time and location of shot;
- (b) Number of drill holes;
- (c) Maximum, minimum and average drill hole depth;
- (d) Drill hole diameter;
- (e) Sub-drill depth;
- (f) Total pounds of each type of explosive used;
- (g) A drill hole section schematic showing the loading of a typical hole;
- (h) Amount and type of stemming material;
- (i) Schematic showing drill hole pattern;
- (j) Initiation delay sequence;
- (k) Maximum pounds of explosives detonated in any eight millisecond time interval;
- (l) Type and size of any fly-rock protection devices used if any;
- (m) Seismic reports;
- (n) Comments regarding the outcomes of the blast.

~~(11)~~(12) The city shall be notified: (1) immediately of any blasting accident, and (2) within 24 hours by the permittee of any incident, damage claim or neighbor annoyance report brought to the permittee's attention.

(Ord. 5868 Sec. 5, 2020)

**15.35.100: Violations—Penalties.**

- (1) Except for violations of KMC 15.30.240, any person who has violated any provision of this chapter shall have committed a Class 1 civil infraction subject to a maximum fine of \$250.00. Provided, that if the same violator has been found to have committed an infraction violation for the same or similar conduct two separate times, and involving the same or similar sections of the Kennewick Municipal Code, the third or subsequent violation shall constitute a misdemeanor, punishable as provided in KMC 1.12.010.

- (2) For any violation of a continuing nature, each day's violation shall be considered a separate offense and shall subject the offender to the above penalties for each offense.

(Ord. 5868 Sec. 5, 2020)

**15.35.110: Revocation.**

- (1) The city shall have the power and authority to limit the level of blasting and, after examining all of the pertinent circumstances surrounding the proposed blasting, if it is deemed to be in the public interest, may then refuse to issue such permit, or in the case of a previously issued permit, may suspend or revoke the permit.
- (2) The city shall have the power to revoke any permit issued under this chapter for failure to comply with any of the provisions of this chapter, any of the provisions of Chapter 296-52 WAC, or for any other reasonable cause.

(Ord. 5868 Sec. 5, 2020)

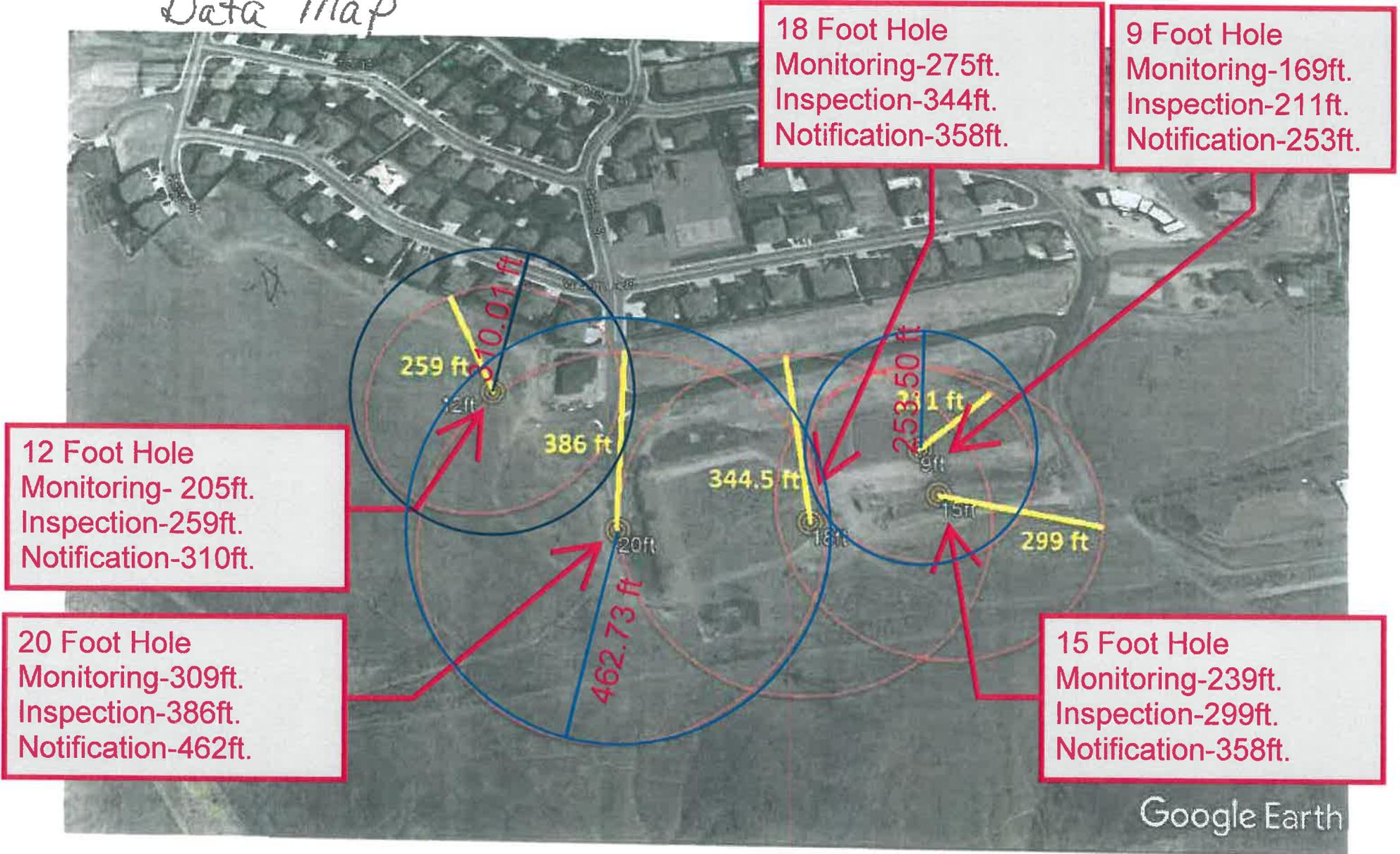
**15.35.120: Appeals.**

Appeals from decisions of the Fire Official related to blasting permits shall be in accord with Kennewick Municipal Code Chapter 4.04-Administrative Appeals.

(Ord. 5868 Sec. 5, 2020)

# PERMITTED AREA SCALED DISTANCES

Data Map



Google Earth

# SURVEYS OF HOMES PRE & DURING PERMIT



**Council Workshop  
Coversheet**



Agenda Item Number	2.	Meeting Date	08/11/2020
Agenda Item Type	Presentation		
Subject	Parks, Recreation & Facilities Annual Update		
Ordinance/Reso #		Contract #	
Project #		Permit #	
Department	Parks & Recreation		

Info Only

Policy Review

Policy DevMnt

Other

**Summary**

Parks, Recreation and Facilities staff will provide an overview on the department's structure, activities, projects, challenges and opportunities as we prepare for the upcoming biennial budget.

Through

Attachments:

Presentation

Dept Head Approval

Emily Estes-Cross  
Aug 06, 10:44:05 GMT-0700 2020

City Mgr Approval

Marie Mosley  
Aug 07, 05:26:51 GMT-0700 2020

# Parks, Recreation & Facilities

**Council Update**  
**August 11, 2020**





# Department Structure

**Recreation**  
7.8 FTEs

**Parks & Facilities**  
22.5 FTEs

Southridge  
Sports &  
Events  
Complex

Keewaydin  
Community  
Center

Programs &  
Events

Parks &  
Greenways

Facilities  
Maintenance

Capital  
Projects



# Strategy Drivers

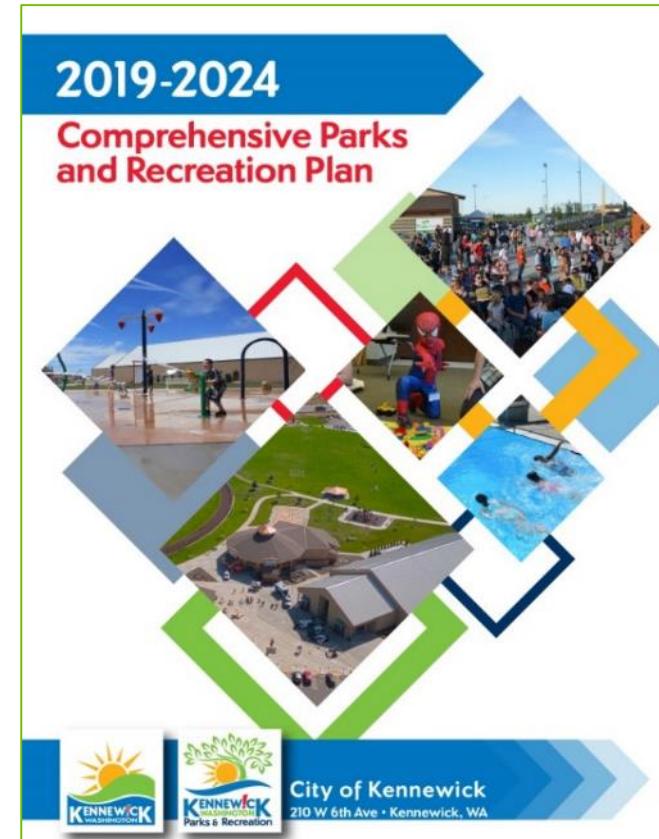
- Council Priorities
- Funding Sources
  - Program Revenue
  - Capital Improvement Program
  - Park Impact Fees
  - General Fund
  - Sponsorships
  - Grants
  - Partnerships





# Comprehensive Plan

- Based on community input
- Growth framework
- Columbia Park Master Plan Vision
- Park mitigation/impact fee projects
- Economic development, partnerships, sustainability and inclusivity goals
- Level of service = 3 acres per 1,000 residents and resident proximity of a half-mile to a park, school or community facility





# Parks Commission

- Ken Hahn, Chair
- Linda Stroben, Vice Chair
- Dean Aeling
- Jack Anderson
- Ty Fischer
- Robb Heston
- Jim Millbauer, Council Liaison



# Maintenance & Operations

## Parks & Grounds

11.5 FTEs & 12 variable hour staff  
Tree & maintenance contractor coordination  
(Step toe, Toyota Center, Bob O Pkwy)

## Facilities

8 FTEs & 10 variable hour staff  
Playground inspections  
Mechanical systems, roof and janitorial contract coordination

### Greenways

### Ballfields

### Columbia Park

### Scott

### Grange

### Zintel

### Safety & Municipal Services

### Civic

### Eastgate

### Southridge

Cable Bridge Memorial  
Carmichael Island  
Col. Center BLVD  
Downtown Parkade  
Kellogg St. Trees  
Kennewick Park Islands  
Tacoma Pl. Island  
Vista Way Island  
10th AVE.  
Yelm Island  
Park Hills DR.  
Union St. RAB's (2)  
Umatilla/Canal Island  
27th & Vancouver RAB  
4th & Kellogg RAB  
Center PKWY & Gage RAB  
Clearwater & Leslie RAB  
On The Boulevard Pathway

Civic 4 fields  
Scott 4 fields  
Southridge 4 fields  
Fruitland 1 field  
Yelm 1 field

Columbia Park  
Levee #5  
Edison Interchange

Scott Park  
Hansen Park  
Sunset Park  
Columbia Estates Park

Grange Parks  
Union Library  
Horse Heaven Hills Park  
Canyon Lakes Park  
Inspiration Estates Park  
Vancouver Park  
Underwood Park

Zintel  
Canyon/Park  
Hatfield Park  
Hawthorne Park  
Jay Perry Park  
John Day Park  
Kenwood Park  
Yelm Park

KPD  
KFD 1  
KFD 2  
KFD 3  
KFD 4  
KFD 5  
KFD 6  
Frost  
WWTP plant & lift stations  
WTP reservoirs & booster stations  
Cooper's Corner  
Gun Range  
Shops/Equip Rental

City Hall  
Community Center  
KAC  
Pool  
Civic Athletic Area  
Skate Park  
Keewaydin Park  
Keewaydin Library

Monopoly Park  
Layton Park  
Eastgate Park  
Fruitland Park  
Arboretum

Grounds Pavilion  
27<sup>th</sup> Ave & Union RAB  
Creekstone Dr.



# Parks & Amenities

- 28 Parks
- 4 Undeveloped natural areas
- 845 Acres
  - 31 Playgrounds
  - 6 Water Features
  - 18 Miles of Pathway
  - 31 Picnic Shelters
  - 4 Indoor Courts
  - 29 Outdoor Courts
  - 10 Lighted Fields
  - 11 Non-Lighted Fields
  - 32 Horseshoe Pits
  - 30 Restrooms
  - Challenge Course
  - Countless Trash Cans & Picnic Tables





# Facilities & Greenways

## Community Safety

Police Station

Five Fire Stations

## Infrastructure & Growth + Responsible Government

City Hall

Frost

10<sup>th</sup> Ave. Shops

Water & Sewer Treatment Plants

Water & Sewer Collection & Distribution Facilities

Greenways & Roundabouts

## Quality of Life & Economic Development

Southridge Complex

Community Center

Pool

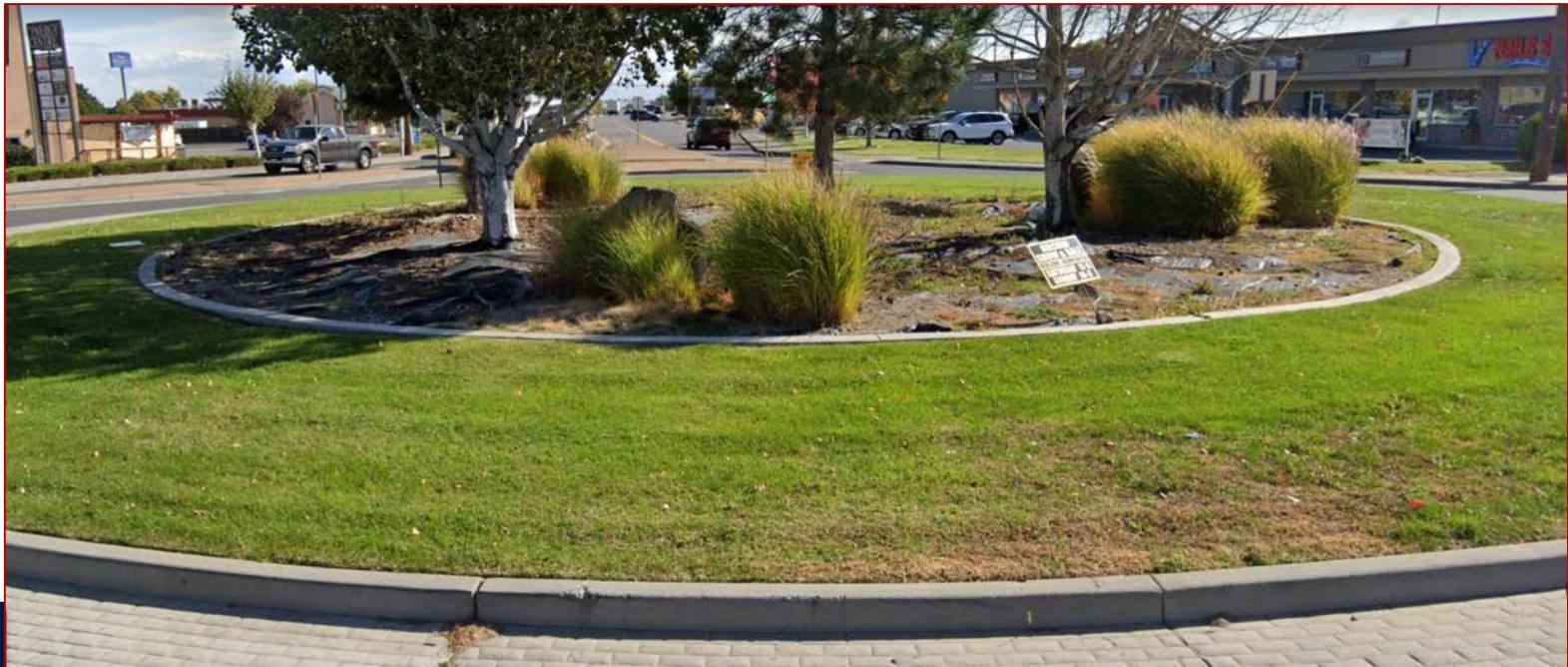
Two Libraries

Museum



# Infrastructure Growth

- Roundabout maintenance & repair
- Greenway linear miles
- Facility square footage increase





# Aging Infrastructure

- Hard surface repair
- Tree maintenance
- Playground repair/replacement
- Park amenity FFE replacement





# Aging Facilities

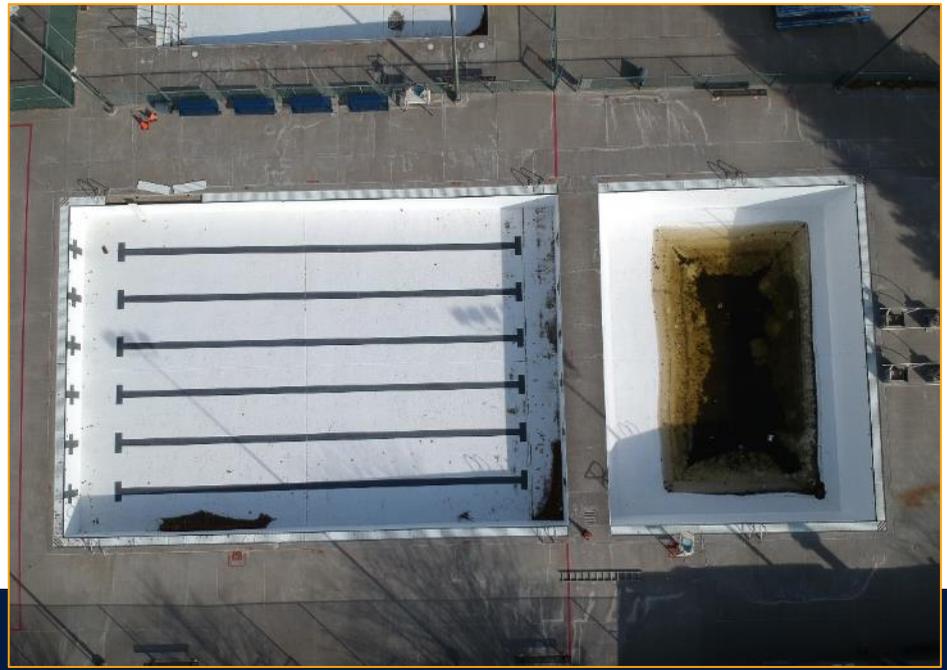
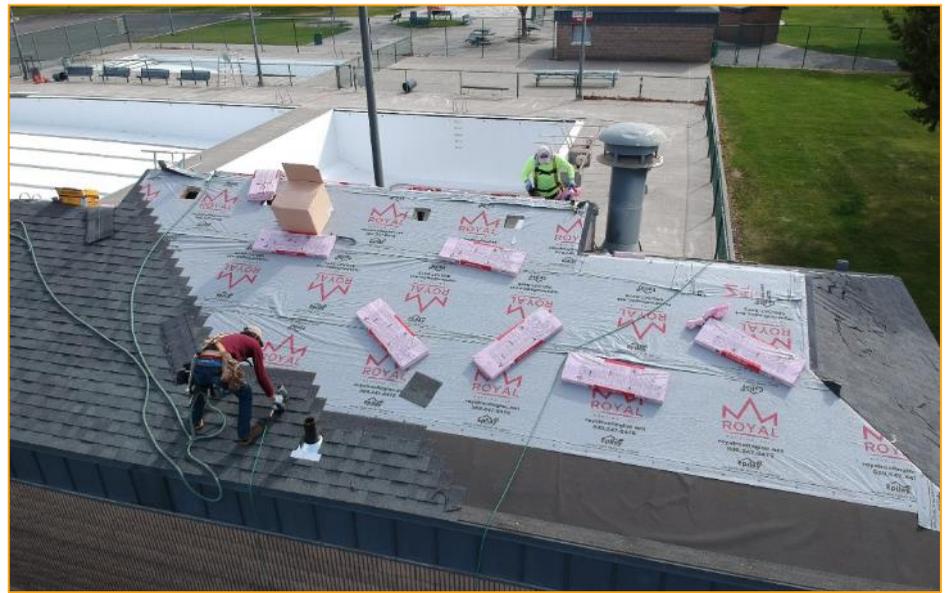
- Fire Stations
- City Hall
- Community Center
- EBCH Museum
- Keewaydin Library





# Aging Recreation Facilities

- Pool
- Courts





# Aging Recreation Facilities

- Docks
- Gazebos/Shelters





# Misuse

- Vandalism
  - Restrooms
  - Graffiti
- Encampments





# 2019 Improvements

- Desert Hills Challenge Course
- Hansen Park restrooms, walking path, parking lot, picnic shelters, heritage garden and community garden
- Playground shade structures at Southridge
- Toyota of Tri-Cities Playground of Dreams
- Columbia River Landing Building



# Toyota of Tri-Cities Playground of Dreams

- 16,000 sq. ft.
- Inclusive
- New & iconic elements
- \$1 million project cost
- Fundraising and grant funding





# Columbia Park Golf TriPlex

- Expansive menu featuring local beers and wines
- Hosting golf, footgolf, disc golf and diners
- New event opportunities
- Course operation agreement review

**Before**



**After**





# 2020 Improvements

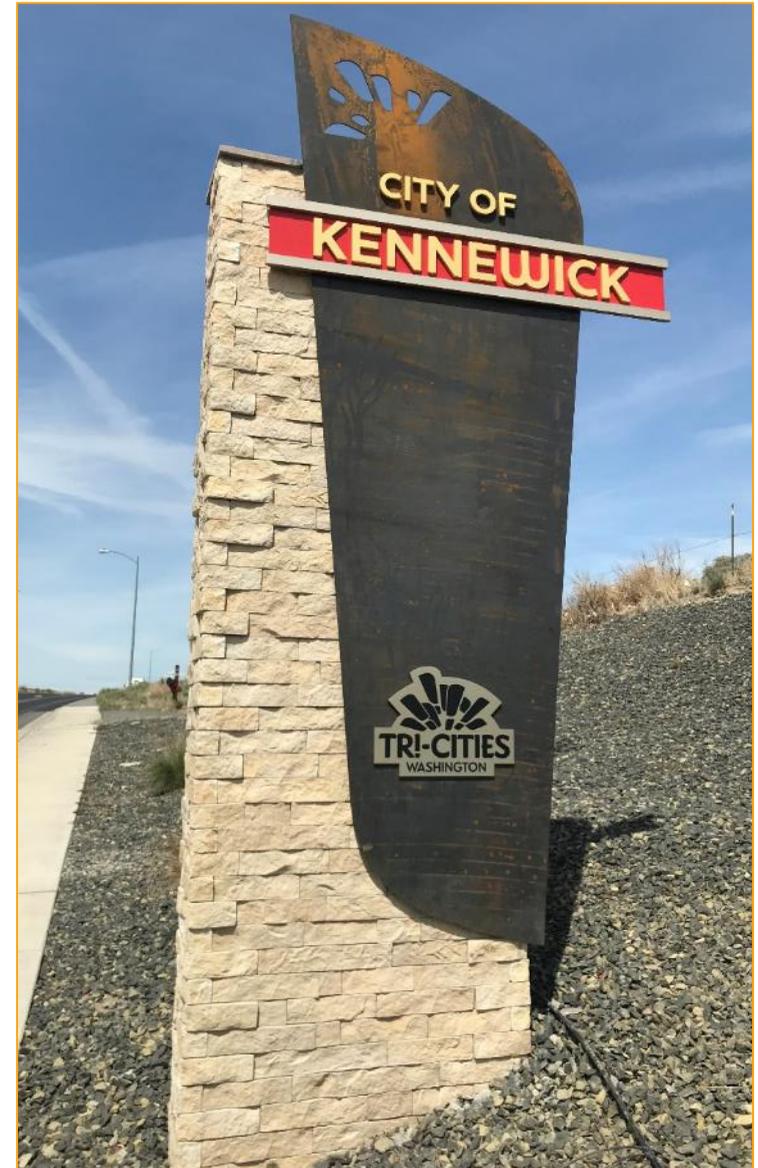
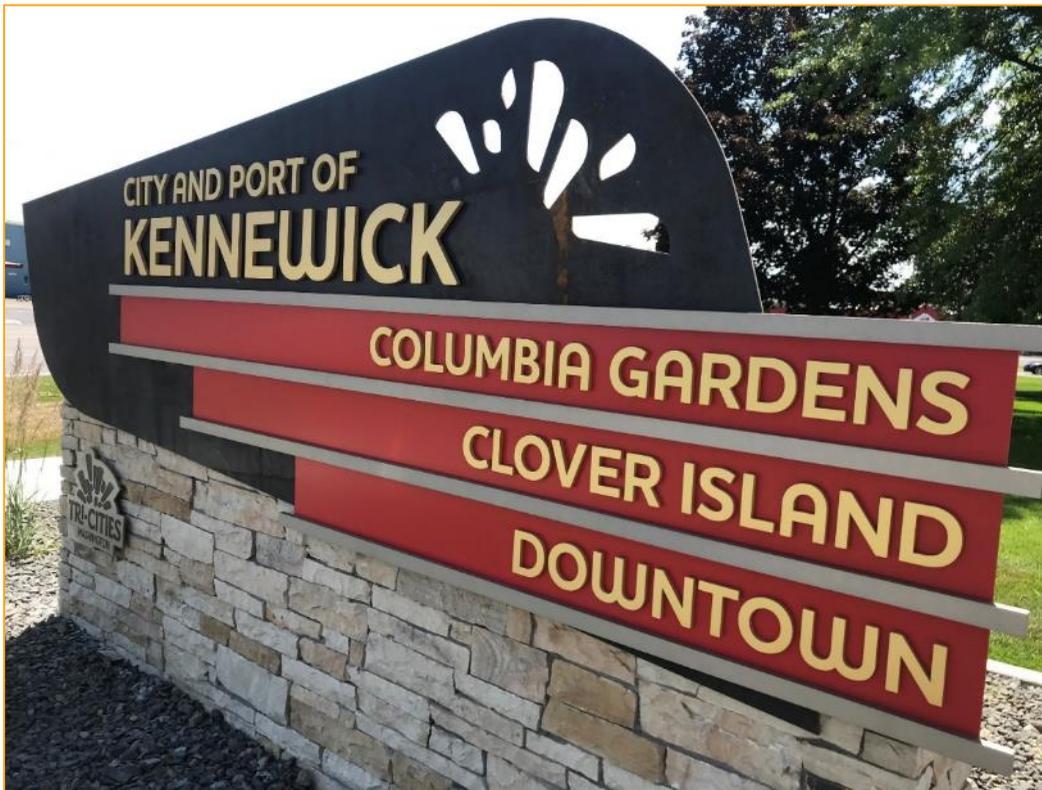
- Highlands Grange aquatic playground rehab and upgrade
- Highways 395 reader board monument sign
- Numerica Pavilion interior paint, lobby furnishings and sinks
- Monopoly Park play structure, picnic shelter and park sign (Fall 2020)
- Underwood Park basketball half-court and 2 park signs (Fall 2020)
- Wayfinding signs





# Wayfinding

- Gateway monuments signs (4)
- Park signs
- Facilities

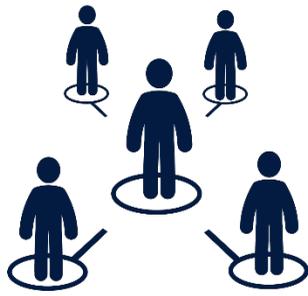




# Keewaydin Community Center

- Exterior Renovation
  - CDBG funded
- Interior Renovation
- Technology Upgrades
- Diverse Programming & Community Space
- Partnerships
- Senior Programming





# Recreation Division

Southridge  
Sports &  
Events  
Complex

- Programming
- Leagues
- Events

Keewaydin  
Community  
Center

- Tournaments
- Parks & Facility Rentals
- Marketing

Swimming  
Pool



# Recreation Programs

- **Youth Program Sessions**

- Ninja Warrior Camp
- Glow City Basketball
- Kindergarten Basketball

- **Adult Program Sessions**

- Softball
- Fitness

- **Senior Social Activities**

- Arts and Crafts
- Yoke's Lunch
- Bingo and Bunco tournaments

- **Single Day Programs**

- Fairy Garden Make and Take
- Downtown Kennewick Art Walk  
(Partnership with HDKP and Art Commission)

- **Drop-In Popularity**

- Basketball
- Pickleball



# Events & Tournaments

## Events

- 2019 = 107
- 2018 = 104
- 2017 = 116

## Tournaments

- 2019\* = 25
- 2018 = 24
- 2017 = 30

\*2019: 2 cancelations due to snowpack

**Vintage at the Ridge**  
antiques • decor • inspiration

march 8<sup>th</sup> | noon-7p  
march 9<sup>th</sup> | 9a-4p

admission \$7  
- good for both days -  
12 & under FREE

SOUTHRIDGE SPORTS & EVENTS COMPLEX  
2901 Southridge Blvd. • Kennewick

www.vintageattheridge.com FOX

**TRI-CITIES**

CRAFT BEER FESTIVAL

DRINK WA BEER • KENNEWICK

SATURDAY, APRIL 27, 2019

**Sunset at Southridge**

- Tasty Eats
- Sweet Treats
- Free Live Entertainment
- Free Kids Activities

5:30 to 8pm  
10+ Vendors

1st, 3rd & 5th Fridays: June - August  
Southridge Sports & Events Complex • 2901 Southridge Blvd

PRESENTED BY **TOYOTA** of TRI-CITIES & Retter & Company Sotheby's INTERNATIONAL REALTY

www.KennewickRecreation.com

# Highlights

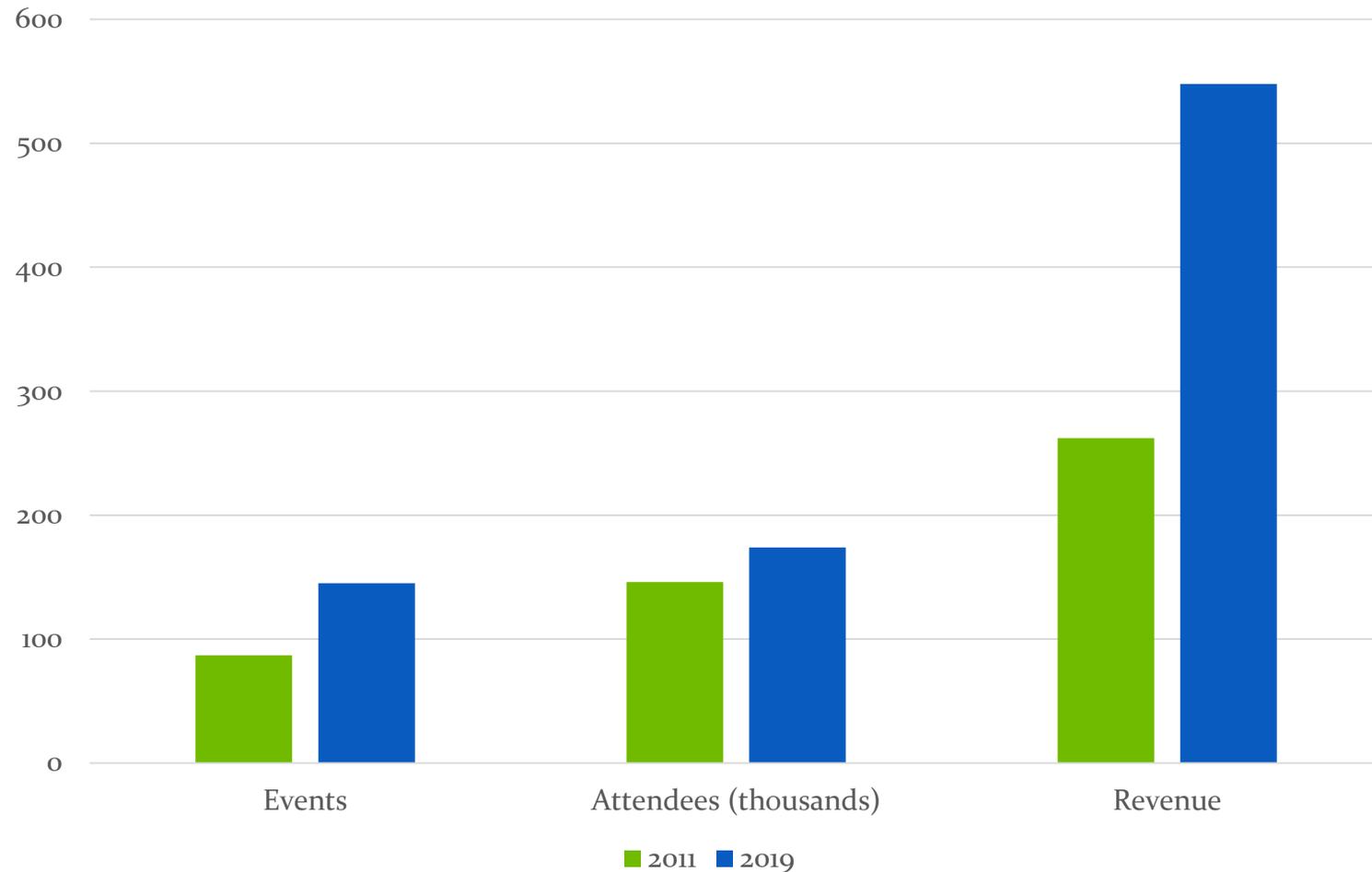
- Sunset at Southridge
- Vintage at the Ridge
- State Gymnastics
- Tri-Cities Craft Beer Festival
- Senior Expos
- Harvest Bazaar
- River of Fire





# Event Snapshot

## Quantity, Participant and Revenue Growth





# Event Challenges

- **Management capacity**

- Mobile, Alabama = 4 staff for 250 events
- Oak Harbor, Washington = 1 staff for 50 events
- Kennewick = 1 staff for 110 events

- **Level of service**

- **Event coordinator compliance**



# Cross Functional Collaboration

- Events
  - Water Follies
  - Sunset at Southridge
  - 9/11 Memorial Event
  - National Night Out
- COVID Response
  - Increased cleaning & disinfecting
  - Work station barrier installation
  - Social distancing signage
  - Grocery store masking surveys
- Zintel Canyon Mitigation
- Facilities Team



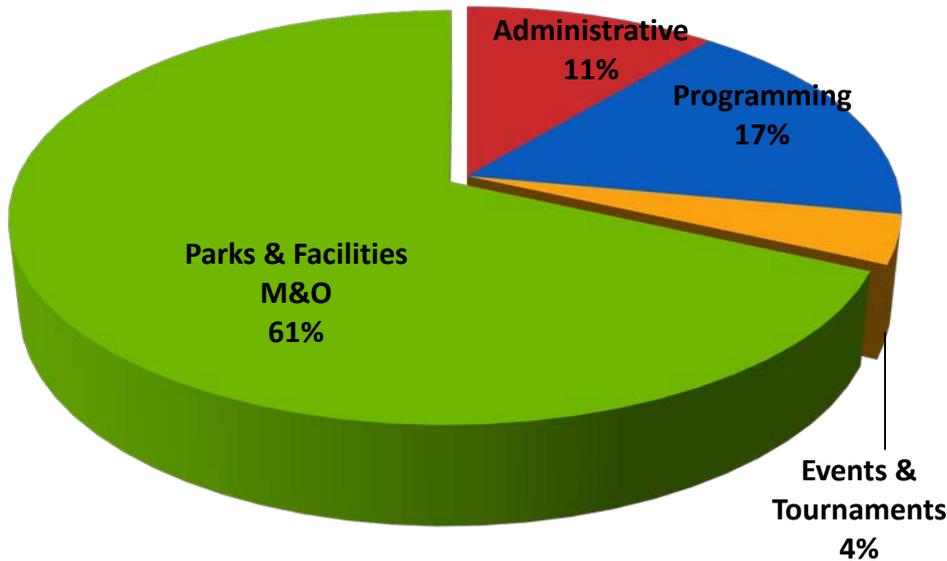


# Increased Resource Demands

- Events
- Tournaments
- Preventive Maintenance
  - Up to 100 sports field preps in a weekend
  - Staffing up to 3 different locations in one day
  - Turf management of approximately 300 acres
  - Irrigation repairs
  - Facility prep & set-up
  - Trash & janitorial

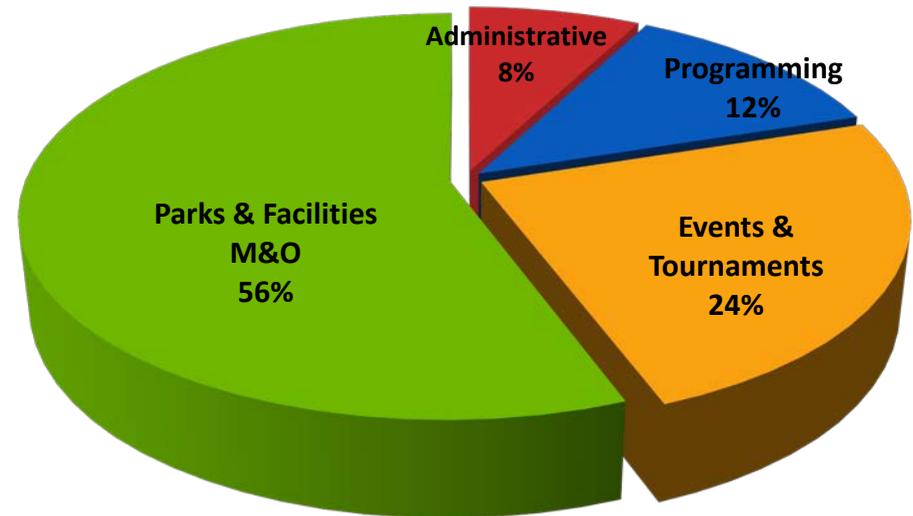


# Staff Resource Reallocation



**Pre-2012**

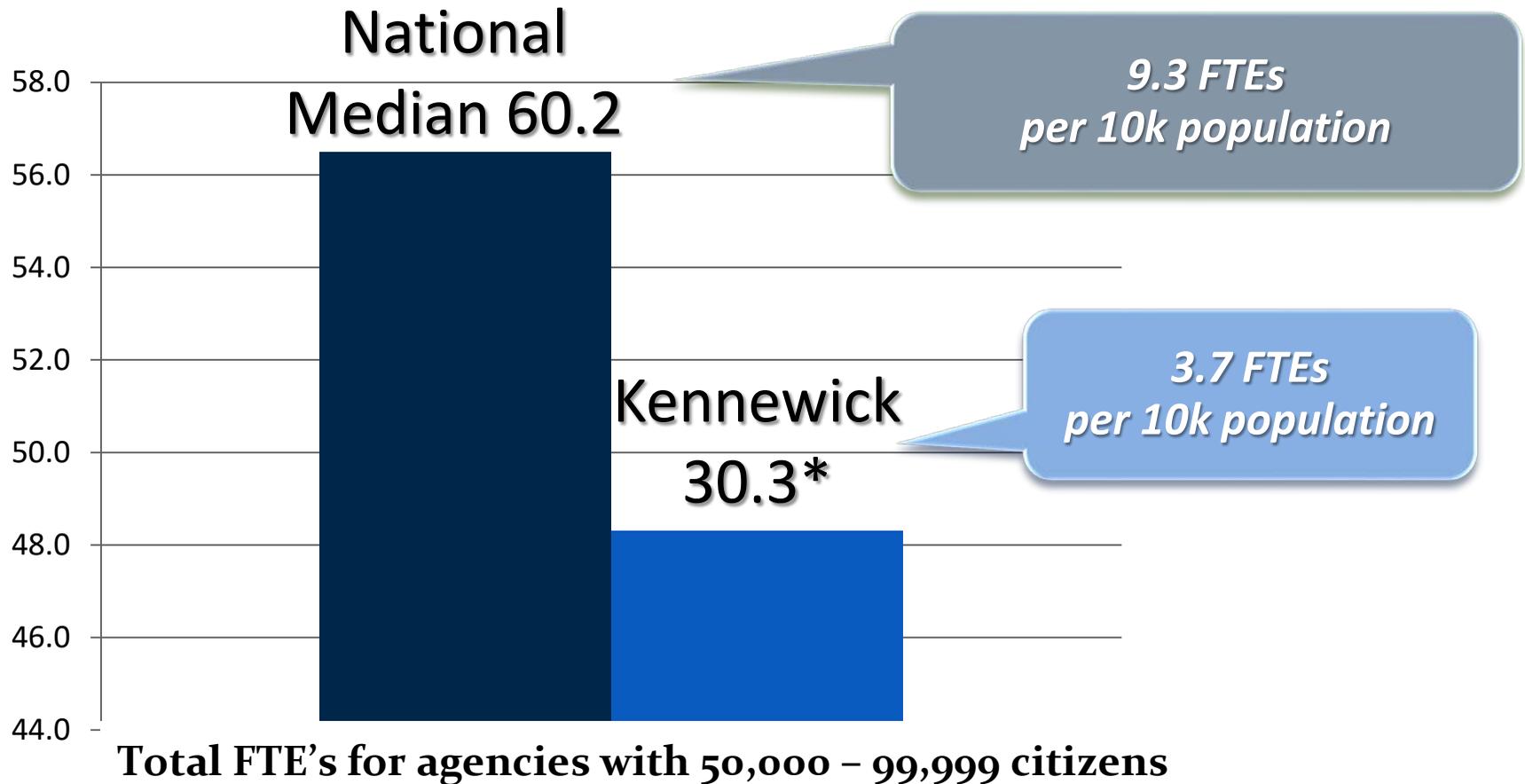
**29 Full Time Employees**  
**15.7 Part Time/Seasonal**



**2020**

**30.3\* Full Time Employees**  
**20 Part Time/Seasonal**

# Staffing Comparison



National averages don't account for the 406,000 square feet of facilities maintained by city crews.

Based on 84,960 population and 2,909 people per square mile



# Themes

- Safety and Risk
- Level of Service
- Flexible Resource Reallocation
- Creative Partnerships





**Questions?**

# Council Workshop Coversheet



Agenda Item Number	3.	Meeting Date	08/11/2020
Agenda Item Type	Presentation		
Subject	Fire Department Annual Update		
Ordinance/Reso #		Contract #	
Project #		Permit #	
Department	Fire Department		

Info Only	<input checked="" type="checkbox"/>
Policy Review	<input type="checkbox"/>
Policy DevMnt	<input type="checkbox"/>
Other	<input type="checkbox"/>

## Summary

2020 Fire Department presentation addressing the scope, complexity, opportunities and path forward for the department.

Through

Attachments: Presentation

Dept Head Approval

Chad Michael  
Aug 06, 13:37:10 GMT-0700 2020

City Mgr Approval

Marie Mosley  
Aug 07, 05:29:07 GMT-0700 2020

# KENNEWICK FIRE DEPARTMENT

Committed to serving the community since 1907



2020 City Council Presentation

July 14, 2020

# Safe Community/High Quality of Life



- What we do
- How we do it
- Why we do it



# Well Trained, Professional, and Compassionate



We make a difference each  
and every day





# Our Scope

- Population, Area, Demand, and Make-up
- Core Services
- Divisions
- Successes





# Complexity

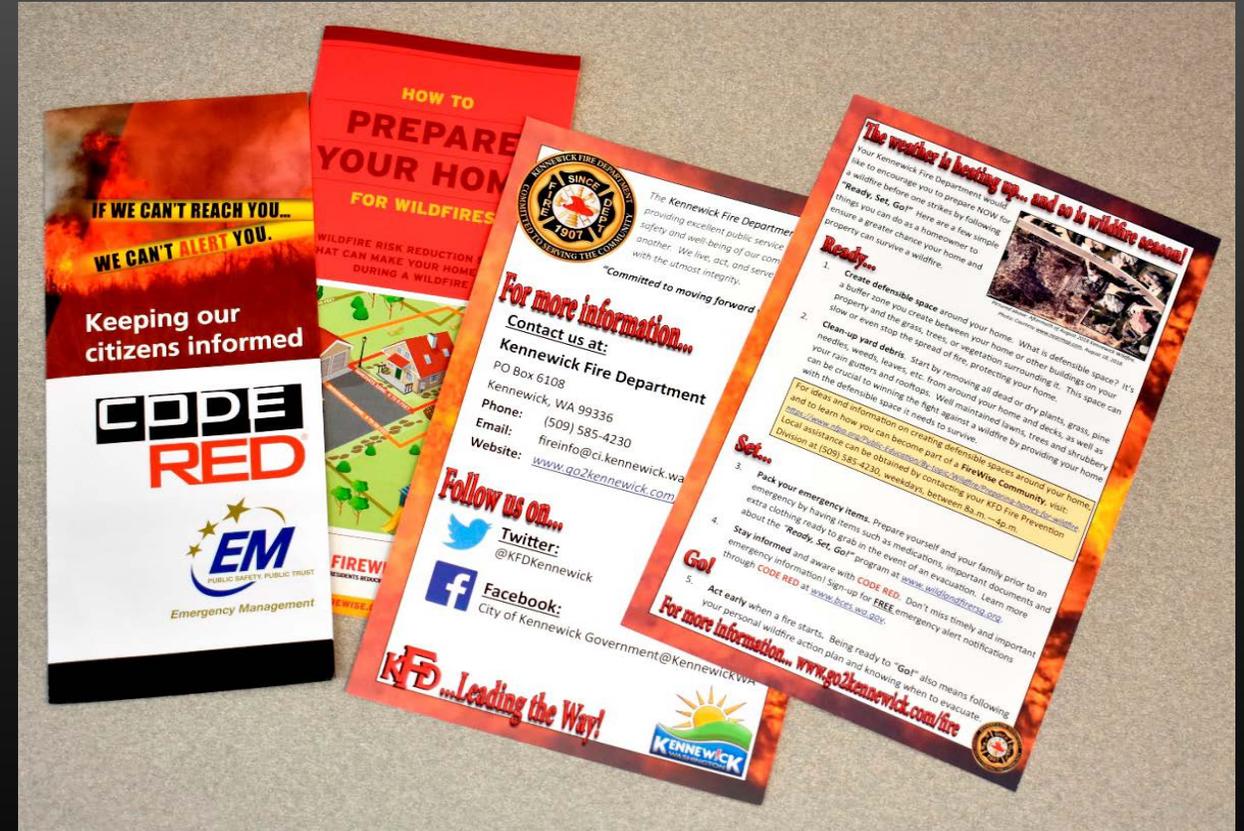
- Rapid changes in our industry
- The increasing technical nature of the work we do
- The unknowns
- The services we provide
- Protecting our people
- Meeting demand





## Opportunities

- Proactive work through data
- Develop a roadmap
- Evaluate our deployment plan
- Refine and improve partnerships
- Prepare for growth and increasing future demand
- Actively recruit
- Stay focused on best practices
- Educate our community





# The Path Forward

- Move from a high-quality department to a world-class organization
- Establish measureable goals in all areas of our department
- Position ourselves well to meet both current and future demands





# City Council Meeting Schedule September 2020

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City Council passed Resolution 20-08 on June 23, 2020, which temporarily designates the location for regular, special and study session meetings to the virtual location until Benton County enters into Phase Three of the Governor's Safe Start Reopening Plan. The City broadcasts City Council meetings on the City's website <https://www.go2kennewick.com/CouncilMeetingBroadcasts>.

September 1, 2020

Tuesday, 6:30 p.m.

REGULAR COUNCIL MEETING

September 8, 2020

Tuesday, 6:30 p.m.

WORKSHOP MEETING (the workshop meeting will be done via Zoom and broadcast on the City's website <https://www.go2kennewick.com/CouncilMeetingBroadcasts>)

1. WWTP Phase II Update
2. Capital Improvement Plan Update
3. Council Sub-Committees

September 15, 2020

Tuesday, 6:30 p.m.

REGULAR COUNCIL MEETING

September 22, 2020

Tuesday, 6:30 p.m.

WORKSHOP MEETING (the workshop meeting will be done via Zoom and broadcast on the City's website <https://www.go2kennewick.com/CouncilMeetingBroadcasts>)

1. Water & Sewer Rate Study Update
2. Animal Shelter
3. City Attorney's Office Annual Update

September 29, 2020

Tuesday, 6:30 p.m.

NO MEETING SCHEDULED

To assure disabled persons the opportunity to participate in or benefit from City services, please provide twenty-four (24) hour advance notice for additional arrangements to reasonably accommodate special needs.

Please be advised that all Kennewick City Council Meetings are Audio and Video Taped