



# South King Fire and Rescue Plan Annex

### Introduction

South King Fire and Rescue (SKFR) is fire district under RCW Title 52. SKFR provides fire suppression, emergency medical, technical rescue, emergency marine response, surface water rescue and hazardous materials response. Additionally, SKFR provides public information, education, investigation, and risk reduction inspections services to preserve and protect lives and property within the communities of Des Moines, Federal Way and a portion of unincorporated King County.

A five-member Board of Commissioners (comprised of elected officials) is responsible for the oversight of SKFR. Funding for SKFR comes primarily through property taxes and other sources of revenue.

The SKFR service area is located in the western part of Washington State and is approximately 20 miles south-west of Seattle in urban / suburban King County. The City of Des Moines is 8 miles south of the Seattle-Tacoma International Airport; 19 miles north of the Port of Tacoma, and just 13 miles south from the Port of Seattle, the closest deep-water port to Alaska and the far East. State Highways 18, 516, and 99 (Pacific Highway) bisect the service area,

connecting to Interstate 5, the west coast's primary north-south freeway system.

#### **Development Trends**

SKFR serves the communities of Des Moines, Federal Way and a portion of Unincorporated King County. The two member cities have comprehensive plans that encourage growth in their designated light commercial and residential land use zones. The cities are seeing an increase in building and business permits, and it is expected that population growth will over the next several years. The member cities have also seen dramatic growth in residential and commercial housing. Recently, the area has seen a significant increase in large assisted living facilities and senior housing. In tandem, it is expected that the SKFR call volume will increase at the same rate as the population growth (across all demographics) based on historical data. SKFR expects that additional fire stations and response equipment will be necessary to keep up with the growing population, expansion of the service area and the growing call volume.

#### Jurisdiction Profile

South King Fire and Rescue

- Population Served: 164,408 (97,044 for Federal Way; 32,364 for Des Moines, 2018 Census; ~35,000 for Unincorporated King County )
- Land Area Served: 44 square miles

#### Jurisdiction Point of Contact:

Name: Sarah Nuss Title: Emergency Management Coordinator Entity: South King Fire and Rescue Phone: 253-347-8186 Email: <u>sarah.yancey@southkingfire.org</u>

Plan Prepared By:

Name: Sarah Nuss Entity: South King Fire and Rescue Phone: 253-347-8186 Email: <u>sarah.yancey@southkingfire.org</u>





# **Jurisdiction Risk Summary**

### Hazard Risk and Vulnerability Summary

| HAZARD     | HAZARD SUMMARY   | Vulnerability<br>Summary  | IMPACT SUMMARY   |
|------------|--|---|--|
| Earthquake | The entire service area is at risk<br>for earthquakes, with the largest<br>regional fault lines capable of<br>earthquakes that induce<br>damages ranging from 2.8%<br>(M9.0 Cascadia Earthquake) to<br>7.4% (M7.1 Tacoma Fault) of<br>total buildings and contents.  | Stations #61, #63, #64,<br>#66 and #67 have all<br>undergone seismic<br>retrofitting / hardening.<br>However, apparatus and<br>staff vehicles parked<br>inside any of the N=8<br>stations are vulnerable<br>to damage from falling<br>debris during and after<br>an earthquake.<br>Per existing contracts,<br>station #60 and #65<br>will undergo seismic<br>retrofitting / hardening<br>in the coming year or<br>two. It is anticipated<br>that station #62 will<br>undergo the same<br>processes in the near<br>future. | If apparatus were to become<br>damaged or trapped inside<br>under debris, life-saving<br>response operations would be<br>severely affected (delayed or<br>not delivered).  |
| Flood      | <ul> <li>While much of the service<br/>district is at risk for minor<br/>coastal flooding (along the<br/>Puget Sound), the vast majority<br/>of the district is on high ground.</li> <li>Due to the elevation of the area,<br/>flooding would be very<br/>localized, and would not likely<br/>result from meteorological<br/>hazards (i.e., flooding would<br/>result from burst pipes or other<br/>accidental causes).</li> </ul> | While there are a few<br>areas in the service<br>district that are at flood<br>risk (according to the<br>FEMA 100 year flood<br>maps), none of the N=8<br>fire stations are at risk<br>for flooding.  | Though none of the fire<br>stations are at risk for<br>flooding, the delivery of<br>services could potentially be<br>affected if infrastructure (i.e.,<br>transportation routes) are<br>blocked or damage due to<br>flooding (meteorological or<br>man-made).  |
| Landslide  | A small portion of the land area<br>in the service district is<br>susceptible to landslides. The<br>majority of significant slide<br>events in King County have<br>occurred during / shortly after<br>extreme weather events.  | Due to proximity to hill<br>areas, station #61 is at<br>risk for minor damage<br>from a landslide. The<br>remaining stations are<br>not at risk for landslides.   | Responding station #61 could<br>be damaged by landslides,<br>which would remove several<br>apparatus from service, or<br>delay normal services out of<br>this station. Though none of<br>the other fire stations are at<br>direct risk for landslides, the<br>delivery of services could<br>potentially be affected if |



# 😵 King County

| Severe Weather<br>(meteorological<br>hazards) | The overall service area is<br>susceptible to a variety of<br>(seasonal) severe weather<br>(meteorological) events<br>including: snowstorms, ice<br>storms, hail storms, blizzards,<br>windstorms and extreme cold. | All SKFR fire stations<br>are built to sustain<br>damage from severe<br>weather. Stations #63<br>and #66 have been<br>additionally fortified to<br>withstand extreme<br>weather.  | infrastructure (i.e.,<br>transportation routes) are<br>blocked or damage due to<br>landslide- related debris.<br>While fire stations are not at<br>risk for damage during severe<br>weather events, any damage to<br>transportation infrastructure<br>could delay service delivery.<br>For example, heavy snow and<br>thick ice can restrict apparatus<br>access to certain areas, and<br>windstorm associated debris<br>can block transportation<br>routes. |
|---|---|---|--|
| Liquefaction                                  | While the service district is at<br>risk for some degree of soil<br>liquefaction, most of the area is<br>in a "very low to low" risk for<br>soil liquefaction.  | The SKFR stations that<br>have undergone seismic<br>retrofitting / hardening<br>(#61, #63, #64, #66<br>and #67) have also been<br>modified to withstand a<br>certain degree of soil<br>liquefaction. The<br>stations that have yet to<br>undergo such seismic<br>retrofitting / hardening<br>(#60, #62, #65 and<br>#68) will have similar<br>strengthening against<br>soil liquefaction, once<br>remodels occur.<br>Stations #62 and #68<br>are at the most risk for<br>damage from soil<br>liquefaction, as both<br>stations have yet to<br>undergo seismic<br>retrofitting / hardening,<br>and both stations are in<br>a "low" risk soil<br>liquefaction zone. While<br>the risk is "low" for<br>stations #62 and #68,<br>station #62 is the SKFR<br>headquarters, and hosts<br>the fire chief, the<br>administrative staff, and<br>is by far the most<br>valuable brick and<br>mortar fire station<br>(financially). | If station #62 were to be<br>damaged due to soil<br>liquefaction, response<br>capabilities would be<br>dramatically affected, as<br>would many administrative<br>and communications (IT<br>infrastructure) functions.  |





| Tsunami                            | The service district is not at risk<br>for oceanic tsunami events.<br>However, if there were an event<br>in the Puget Sound (i.e. under<br>water event) or on Vashon<br>Island (i.e., island coastal<br>landslide), a smaller tsunami<br>may manifest along the Des<br>Moines coastal area.   | None of the N=8 fire<br>stations are in the path<br>of tsunami damage.   | While none of the fire stations<br>are at direct risk for tsunami<br>damage, any damage to<br>transportation infrastructure<br>related to a tsunami in the<br>county could delay service<br>delivery.   |
|------------------------------------|---|--|---|
| Volcano                            | Historical eruptions of Mt.<br>Rainier have resulted in lahar<br>flows through the Auburn<br>Valley floor. Given the altitude<br>of the majority of the SKFR<br>service district, volcanic threats<br>such as<br>Pyroclastic density currents,<br>lahars, debris flow, lava flows<br>are unlikely.  | Only station #61 is at<br>risk for lahars or other<br>debris flows (volcanic<br>hazards), due to the<br>elevation and proximity<br>of the station in relation<br>to the Auburn Valley<br>floor.  | Responding station #61 could<br>be damaged by lahars, which<br>would remove several<br>apparatus from service.<br>However, lahars generally<br>flow at a speed in which<br>advanced warning is issued.<br>Therefore, the risk of loss of<br>apparatus is low (assuming<br>timely apparatus evacuation). |
| Wildfire                           | The service area has limited<br>wildland urban-interface areas,<br>as the majority of the western<br>edge of the district is the coastal<br>Puget Sound. The service area is<br>at the same risk for wildfires as<br>the rest of the county and<br>general region.  | None of the SKFR fire<br>stations are at risk for<br>wildfires.  | While none of the fire stations<br>are at direct risk for wildfire<br>damage, any damage to<br>transportation infrastructure<br>could delay service delivery.   |
| Cyber Attack                       | SKFR relies on a variety of<br>digital systems, services and<br>devices (internal and external<br>networks) to conduct<br>operations. These digital<br>networks are vulnerable to<br>intentional incidents (cyber-<br>attacks) and unintentional<br>incidents (accidental release of<br>information or access to<br>sensitive information). | Stations #62 and #67<br>are at high risk for<br>cyber-attacks, as the<br>majority of SKFR's IT<br>infrastructure (i.e.,<br>servers) are stored at<br>these stations. However,<br>all stations are at risk for<br>remote attacks via<br>hardware and software<br>(i.e., laptops, desk tops<br>and other internet-<br>connected hardware). | The unintended release of<br>sensitive information to<br>unknown parties could lead to<br>public safety / security issues.<br>Too, SKFR could lose the<br>ability to provide payroll and<br>other administrative services.  |
| Hazardous<br>Materials<br>Incident | There are no major<br>manufacturing entities in the<br>area.  | All SKFR stations are at<br>equal risk for HazMat<br>incidents during<br>material / substance<br>transportation.   | Any HazMat-related damage<br>to SKFR fire stations<br>(excluding #60 and #68)<br>would greatly affect response<br>activities. Too, any related<br>damage to or closure of<br>transportation infrastructure<br>could delay service delivery.   |
| Health<br>Incident                 | A public-health related incident<br>could involve a number of<br>transmissible pathogens. The   | Regarding public health<br>incidents involving<br>transmissible pathogens,   | A major public health incident<br>could potentially affect<br>essential services by causing   |





|           | most likely outcomes of such<br>pathogens include measles,<br>mumps, influenza, or other<br>severe respiratory infections.<br>While many regional natural<br>disasters obviously pose a threat<br>to physical human safety,<br>volcanic explosions (Mt.<br>Rainier) are of particular risk to<br>human health due to the<br>gaseous nature of such an<br>incident (i.e., inhalation of ash<br>and toxic gases).            | all personnel are at risk.<br>First responders (i.e.,<br>non-administrative staff)<br>are at particularly high<br>risk of infection, due to<br>the patient-facing nature<br>of the job.<br>Due to proximity of Mt.<br>Rainer, personnel for all<br>fire stations are at risk<br>for volcanic ash and gas<br>release.  | high levels of absenteeism. If<br>high levels of absenteeism<br>were reached for the first<br>responding personnel at<br>SKFR, it is possible that<br>reduced service levels could<br>also affect morbidity and<br>mortality rates across the<br>region (i.e., less basic life<br>support providers to<br>respond). Absenteeism could<br>apply to administrative staff at<br>the SKFR as well, delaying or<br>incapacitating the<br>administrative functions of<br>the agency.                       |
|-----------|--|---|--|
| Terrorism | For the purposes of this plan,<br>terrorism will be defined as<br>intentional acts that have the<br>potential to cause damage to<br>SKFR infrastructure, physical<br>resources and harm to staff<br>health and safety.<br>The most realistic threats to the<br>fire stations and personnel<br>include: active killer threats<br>(active shooter, or assailants<br>with deadly weapons) or<br>explosives-related incidents. | All N=8 fire stations are<br>at risk for terrorism<br>(active killer threats,<br>explosives, and other)<br>due to the public and<br>open nature of fire<br>stations (walk-ins<br>welcomed). However,<br>station #62<br>(headquarters) is at<br>elevated risk, due to the<br>visibility of the agency<br>headquarters and<br>administration staff.<br>Station #62 is at<br>heightened risk for such<br>incidents, because this<br>station hosts the most<br>staff (5-25 people<br>during the day). The<br>remaining stations are at<br>lower risk for such<br>incidents, due to the fact<br>that staff levels are very<br>low (3-8 people on a 24<br>hour basis), and access<br>to staff areas is limited.<br>Regarding explosives<br>related incidents, all<br>stations are at equal risk<br>as a target. However,<br>similar to the active<br>killer threat, staffing at | An active killer threat (or<br>confirmed incident) at any of<br>the fire stations would disrupt<br>response services. Such a<br>threat or incident at station 62<br>(headquarters) would affect<br>response activities and<br>administrative functions.<br>Similarly, an explosives based<br>incident at any of the stations<br>would greatly disrupt response<br>services. Such an incident at<br>station 62 (headquarters)<br>would affect response<br>activities and administrative<br>functions. |





station #62 increases the risk for loss of life and human injury. As for damage to SKFR infrastructure and resources, all responding stations (#61, #62, #63, #64, #65, #66 and #67) are heightened risk, due to the fact that such stations host responding apparatus and resources.



## Hazard and Asset Overview Map(s)

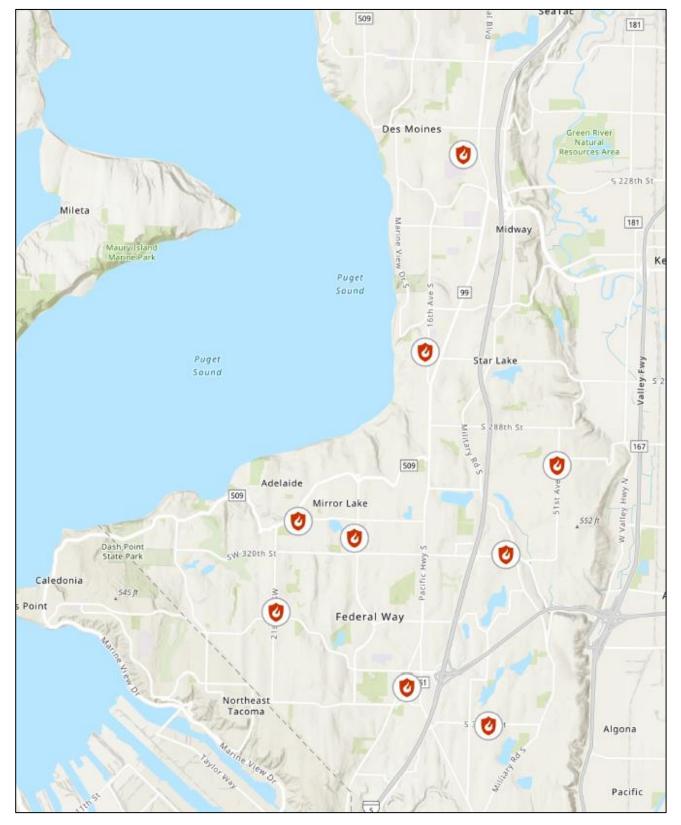


Figure 1: South King Fire and Rescue Facilities

South King Fire and Rescue Hazard Mitigation Plan





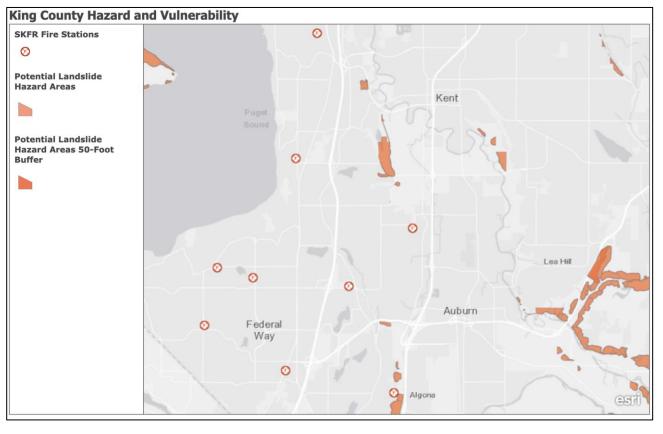


Figure 2: South King Fire and Rescue Landslide Hazard Areas





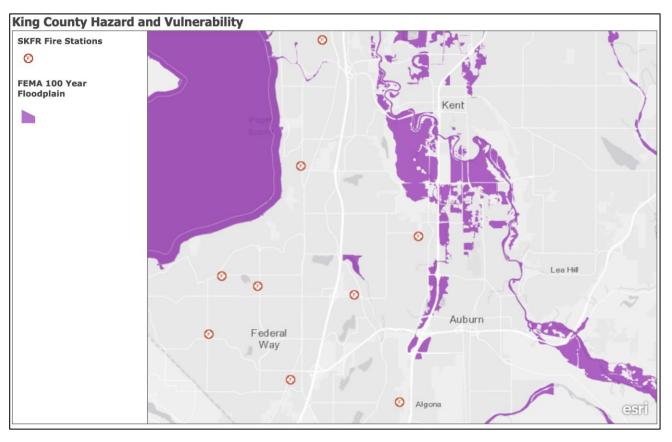


Figure 3: South King Fire and Rescue Flood Hazard Areas



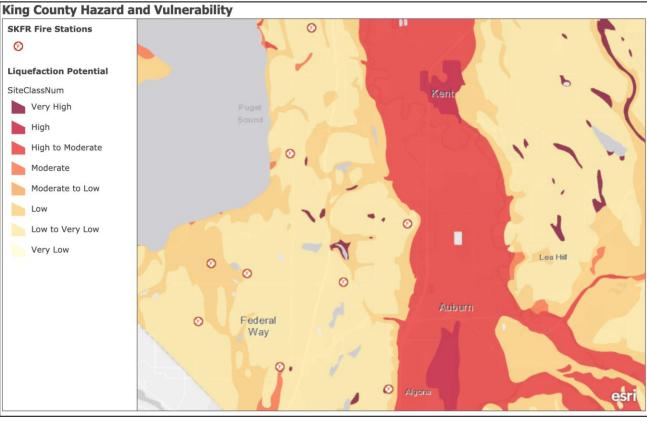


Figure 4: South King Fire and Rescue Liquefaction Hazard Areas

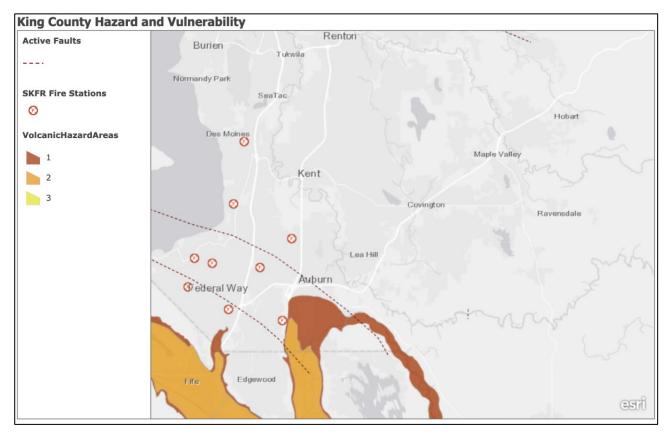


Figure 5: South King Fire and Rescue Volcanic / Lahar Hazard Areas



### Assets at Risk

| ASSET                             | VALUE (\$)                    | HAZARD SUMMARY  | VULNERABILITY   | IMPACT SUMMARY   |
|-----------------------------------|-------------------------------|---|---|--|
|                                   |                               |   | SUMMARY   |  |
| Facility #60<br>and<br>contents*1 | \$7.5<br>Million <sup>2</sup> | Facility #60 is at risk<br>for earthquakes, minor<br>liquefaction and severe<br>weather<br>(meteorological<br>hazards). | This facility is currently<br>being seismically<br>hardened. No staff are<br>working out of this<br>facility, but the SKFR<br>disaster medical cache is<br>still staged at this<br>location.  | As a non-responding<br>facility, damage to this<br>facility is of no impact to<br>the operational capacity of<br>the agency. The economic<br>impact of damage from any<br>hazards would vary based<br>on the level of damage to<br>the facility and the<br>contents. |
| Station #61<br>and<br>contents*   | \$2,940,400                   | Station #61 is at risk<br>for earthquakes,<br>landslides and for<br>lahars (low risk).                                  | This station has been<br>structurally strengthened<br>to withstand some<br>ground shaking<br>(geological hazards). This<br>station is built to<br>withstand severe<br>weather.  | If this station were to be<br>damaged, response<br>activities could be delayed<br>due to trapped apparatus,<br>damaged apparatus, and/or<br>injured personnel.   |
| Station #62                       | \$5,120,670                   | Station #62 is at risk  | This station has yet to be  | If this station were to be   |
| and<br>contents*                  |                               | for earthquakes and<br>heightened risk for<br>terrorism.  | seismically hardened, so<br>the structure is at a<br>higher risk for damage<br>from geological hazards<br>than other stations. This<br>station is built to<br>withstand severe<br>weather.<br>Of all the SKFR fire<br>stations, this station<br>hosts the most<br>apparatus, personnel and<br>the battalion chief (and<br>the B/C vehicle). Too,<br>this station hosts the<br>administrative staff, and<br>most of the SKFR IT<br>infrastructure. | damaged, response<br>activities could be delayed<br>due to trapped apparatus,<br>damaged apparatus, and/or<br>injured personnel. In<br>addition, administrative<br>functions and IT-based<br>communications /<br>functions could be delayed<br>or disrupted.         |
| Station #63<br>and<br>contents*   | \$2,772,750                   | Station #63 is at risk<br>for earthquakes.  | This station has been<br>structurally strengthened<br>to withstand some<br>ground shaking<br>(geological hazards).  | If this station were to be<br>damaged, response<br>activities could be delayed<br>due to trapped apparatus,  |

<sup>&</sup>lt;sup>1</sup> "And Contents" includes furnishings, breathing air compressors, IT networks and equipment, fixed emergency power generators and more.

<sup>&</sup>lt;sup>2</sup> Estimated total value for when facility #60 is fully renovated (projected for 2020-2021).

South King Fire and Rescue Hazard Mitigation Plan



|                                 |              |   | However, in the face of<br>extreme ground shaking<br>(Magnitude 8+), the<br>building would likely<br>sustain some damage.<br>This station has also<br>recently undergone<br>additional hardening for<br>extreme weather events.   | damaged apparatus, and/or<br>injured personnel.  |
|---------------------------------|--------------|---|---|--|
| Station #64<br>and<br>contents* | \$3,604,670  | Station #64 is at risk<br>for earthquakes.                    | This station has been<br>structurally strengthened<br>to withstand some<br>ground shaking<br>(geological hazards).<br>However, in the face of<br>extreme ground shaking<br>(Magnitude 8+), the<br>building would likely<br>sustain some damage.   | If this station were to be<br>damaged, response<br>activities could be delayed<br>due to trapped apparatus,<br>damaged apparatus, and/or<br>injured personnel. |
| Station #65<br>and<br>contents* | \$2,1566,500 | Station #65 is at risk<br>for earthquakes and<br>liquefaction | This station has been<br>structurally strengthened<br>to withstand some<br>ground shaking<br>(geological hazards).<br>However, in the face of<br>extreme ground shaking<br>(Magnitude 8+), the<br>building would likely<br>sustain some damage,<br>particularly from<br>liquefaction.   | If this station were to be<br>damaged, response<br>activities could be delayed<br>due to trapped apparatus,<br>damaged apparatus, and/or<br>injured personnel. |
| Station #66<br>and<br>contents* | \$3,100,000  | Station #66 is at risk<br>for earthquakes.                    | This station has been<br>structurally strengthened<br>to withstand some<br>ground shaking<br>(geological hazards).<br>However, in the face of<br>extreme ground shaking<br>(Magnitude 8+), the<br>building would likely<br>sustain some damage.<br>This station has also<br>recently undergone<br>additional hardening for<br>extreme weather events. | If this station were to be<br>damaged, response<br>activities could be delayed<br>due to trapped apparatus,<br>damaged apparatus, and/or<br>injured personnel. |
| Station #67<br>and<br>contents* | \$2,566,500  | Station #67 is at risk<br>for earthquakes.                    | This station has been<br>structurally strengthened<br>to withstand some<br>ground shaking<br>(geological hazards).<br>However, in the face of<br>extreme ground shaking   | If this station were to be<br>damaged, response<br>activities could be delayed<br>due to trapped apparatus,<br>damaged apparatus, and/or<br>injured personnel. |





| Station #68<br>and<br>contents*           | \$1,260,630 | Station #68 is at risk<br>for earthquakes and<br>liquefaction.  | (Magnitude 8+), the<br>building would likely<br>sustain some damage.<br>This station has yet to be<br>seismically hardened, so<br>the structure is at a<br>higher risk for damage<br>from geological hazards<br>than other stations. This<br>station is built to<br>withstand severe<br>weather. This station is<br>where some training is<br>conducted, and where<br>fleet and facilities is<br>located.   | If this station were to be<br>damaged, certain activities<br>could be delayed. If fleet<br>and facilities services were<br>delayed or not available,<br>damaged apparatus,<br>support vehicles and staff<br>vehicles may not be<br>repaired in a timely fashion<br>(further delaying response<br>capabilities). |
|---|-------------|---|---|---|
| Fire engine<br>pumpers<br>and<br>contents | \$4,395,500 | Fire engines (when not<br>in service) are staged<br>inside fire stations.<br>Therefore, the engines<br>are protected from the<br>elements<br>(meteorological<br>hazards). However, the<br>engines (while inside<br>the apparatus bay) are<br>at risk for damage<br>from ground shaking<br>events (falling debris,<br>apparatus bay door<br>malfunction etc.). | Depending on the fire<br>station where each<br>engine is stored, the risk<br>for damage varies. For<br>engines at stations #61,<br>#63, #65, #66 and #67,<br>engines are better<br>protected due to the<br>structural enhancements<br>that have been<br>accomplished. For<br>engines at station #62,<br>engines are at higher risk<br>for structural damage<br>from ground shaking.<br>Station #68 does not<br>host fire engines, unless<br>the engines are<br>undergoing maintenance,<br>and there is no engine at<br>station #64. | If any of the SKFR fire<br>engines were to sustain<br>damage or become trapped<br>from extreme ground<br>shaking or man-made<br>incidents (terrorism),<br>response operations would<br>be affected.   |
| Ladder<br>trucks and<br>contents          | \$3,792,570 | Ladder trucks (when<br>not in service) are<br>staged inside station<br>#64. Therefore, the<br>ladder trucks are<br>protected from the<br>elements (severe<br>storms) and terrorism.<br>However, the ladder<br>trucks (while inside)<br>are at risk for damage<br>from ground shaking<br>(falling debris,<br>apparatus bay door<br>malfunction etc.).          | Station #64 been<br>structurally strengthened<br>to withstand some<br>ground shaking<br>(geological hazards).<br>However, in the face of<br>extreme ground shaking<br>(Magnitude 8+), the<br>building would likely<br>sustain some damage,<br>and both ladder trucks<br>could be damaged.   | If the two SKFR ladder<br>trucks were to sustain<br>damage or become trapped<br>from extreme ground<br>shaking or man-made<br>incidents (terrorism),<br>response operations would<br>be severely affected (fire<br>suppression).  |



| Ambulances<br>/ aid cars<br>and<br>contents            | \$1,326,475 | Aid cars (when not in<br>service) are staged<br>inside fire stations.<br>Therefore, the aid cars<br>are protected from the<br>elements (severe<br>storms) and terrorism.<br>However, the aid cars<br>(while inside) are at<br>risk for damage from<br>ground shaking (falling<br>debris, apparatus bay<br>door malfunction etc.). | Depending on the fire<br>station where each aid<br>car is stored, the risk for<br>damage varies. For aid<br>cars at stations #61, #64<br>and #67, cars are better<br>protected due to the<br>structural enhancements<br>that have been<br>accomplished. For aid<br>cars at station #62, cars<br>are at higher risk for<br>structural damage from<br>ground shaking. | If SFKR aid cars were to<br>sustain damage or become<br>trapped from extreme<br>ground shaking or man-<br>made incidents (terrorism),<br>emergency medical<br>response operations (basic<br>life support) would be<br>greatly affected.  |
|--|-------------|---|---|--|
| Command<br>vehicles and<br>contents                    | \$621,530   | All command vehicles<br>are kept parked<br>outdoors, and are at<br>risk for severe weather,<br>and some are at risk<br>for liquefaction.  | Command vehicles<br>parked outdoors are<br>vulnerable to extreme<br>weather. However,<br>vehicles parked at<br>stations #61, #65, and<br>#68 are at heightened<br>risk (comparatively) for<br>damage from<br>liquefaction incidents.  | If command vehicles were<br>to sustain damage or<br>become trapped from<br>extreme ground shaking or<br>man-made incidents<br>(terrorism), response<br>operations would be<br>affected.  |
| Support<br>staff<br>vehicles and<br>contents           | \$953,750   | Support staff vehicles<br>are kept both outdoors<br>and inside, depending<br>on the day. Generally,<br>the vehicles are kept<br>outside, meaning they<br>are risk for severe<br>weather.  | Staff vehicles parked<br>outdoors are vulnerable<br>to extreme weather.<br>However, vehicles<br>parked at stations #61,<br>#65, and #68 are at<br>heightened risk<br>(comparatively) for<br>damage from<br>liquefaction incidents.  | If staff vehicles were to<br>sustain damage or become<br>trapped from extreme<br>ground shaking or man-<br>made incidents (terrorism),<br>response operations would<br>be affected.  |
| Regional<br>emergency<br>medical<br>equipment<br>cache | \$501,000   | These supplies are<br>staged at facility #60,<br>meaning that the<br>supplies are at risk for<br>earthquakes, minor<br>liquefaction and severe<br>weather.  | Facility #60 has not been<br>seismically hardened, so<br>the structure is at a<br>higher risk for damage<br>from geological hazards<br>than other stations.   | If Facility #60 were to<br>become damaged, the<br>medical cache may become<br>inaccessible (facility<br>structural instability) or<br>damaged. If these<br>emergency medical supplies<br>were to become<br>inaccessible or damaged, it<br>is difficult to estimate the<br>overall impact. However, it<br>is probable that SKFR<br>would need to lean heavily<br>on regional Zone 3 partners<br>for emergency medical<br>equipment during large-<br>scale events, such as a mass<br>casualty event. |



| Fuel<br>Dispensing<br>Equipment<br>and Tanks | \$280,000   | Fuel storage and<br>dispensing equipment<br>are always located<br>outside of buildings,<br>usually in an employee<br>parking area that is<br>access controlled. Such<br>resources are exposed<br>to meteorological<br>hazards like severe<br>storms and geological<br>hazards like<br>earthquakes.   | Fuel dispensing<br>equipment and tanks are<br>located on SKFR<br>property at all fire<br>stations (except facility<br>#60), and are access<br>controlled. Many if not<br>all of the fuel tanks are<br>protected by bollards, as<br>all are at risk for human-<br>caused damage (i.e.,<br>vehicular contact). These<br>resources are fortified<br>for metrological hazards,<br>but are vulnerable to<br>geological hazards. | Generally, all fuel<br>dispensing equipment is<br>fortified against all-hazards<br>events. However, if there<br>were extreme ground<br>shaking (i.e., Magnitude<br>8+), there is potential for<br>damage to the resources,<br>limiting access for re-<br>fueling on site. However,<br>SKFR has access to dozens<br>of regional third party fuel<br>providers. |
|--|-------------|--|--|---|
| HazMat<br>trailer and<br>contents            | \$145,000   | Zone 3 HazMat<br>resources are located at<br>various staging points<br>across the zone. SKFR<br>hosts a HazMat trailer,<br>for use by the Zone 3<br>HazMat teams. This<br>trailer is generally<br>staged inside (versus<br>outdoors in a parking<br>lot). Station 61 faces<br>heightened risk of<br>lahars and landslides,<br>due to the elevation<br>and proximity to<br>Mount Rainier. | The HazMat trailer for<br>Zone 3 is staged inside<br>station #61. Short of<br>major damage to the fire<br>station, the trailer is at<br>limited risk for damage.   | The HazMat trailer is<br>stored inside the fire<br>station, making it<br>susceptible to damage only<br>if the station sustains<br>damage from a lahar,<br>landslide or earthquake /<br>liquefaction. If the trailer<br>were inoperable, a large<br>strain would be placed on<br>the Zone 3 HazMat<br>mobilization process.                                    |
| Marine<br>vessel and<br>contents             | \$207,796   | The marine vessel is<br>staged at the Des<br>Moines marina, inside<br>the breakwater. This<br>vessel is vulnerable to<br>severe weather, and<br>terrorism.   | On average, the marine<br>vessel is utilized for<br>surface water rescue<br>incidents for<br>approximately 1-3<br>incidents per year. When<br>not being used, the<br>vessel is staged in the<br>Des Moines Marina and<br>access is controlled.   | If the marine vessel were to<br>be damaged (from the<br>elements, accidentally or<br>from terrorism), surface<br>water rescue operations<br>would be delayed. In this<br>case, SKFR would have to<br>utilize MOA/MOU with<br>other jurisdictions to<br>conduct surface water<br>rescue operations.  |
| IT network<br>and<br>equipment               | \$2,000,000 | The IT Infrastructure<br>(servers, hardware,<br>software, other<br>equipment etc.) are<br>located at stations #62<br>and #67, and are at<br>risk for all hazards<br>associated with those<br>stations.   | Stations #62 and #67 are<br>at high risk for geological<br>hazards (among other<br>hazards). Therefore, the<br>IT infrastructure could<br>be compromised due to<br>unforeseeable hazards<br>(geological hazards).  | Disruption or damage to<br>the IT infrastructure<br>located would definitely<br>affect administrative<br>functions and overall<br>communications<br>capabilities of the agency.<br>The implications of such an<br>outage would be   |





|  | immediate, and could last |
|--|---------------------------|
|  | for days or weeks.        |





## **Plan Update Process**

SKFR hazard mitigation planning began with participation in the multi-jurisdictional planning process led by King County Office of Emergency Management. The SKFR Emergency Management Coordinator (EMC) attending training and briefings, learning about the process and requirements for completion of the plan. Then, the EMC worked with the Assistant Chief of Special Operations and Emergency Management, to develop a plan to complete the SKFR annex to the Regional plan.

Next, a hazard risk analysis was conducted, evaluating the potential risks within the service district. Past SKFR mitigation-related documents were reviewed, as were King County hazard mitigation-related plans, and similar plans for the City of Des Moines and City of Federal Way. SKFR resources were assessed to evaluate the potential impacts on SKFR response capabilities, economic stability, life safety, communications, administrative functions and other functions of each type of regional hazard. This information was considered as the Hazard Mitigation Strategies were developed in an effort to mitigate the hazards as identified.

| NAME                         | TITLE                        | Organization               | Contribution            |
|------------------------------|------------------------------|----------------------------|-------------------------|
| Sarah Nuss                   | Emergency Management         | South King Fire and Rescue | Plan development        |
|                              | Coordinator                  | _                          |                         |
| Dave                         | Assistant Chief of Special   | South King Fire and Rescue | Plan development        |
| Mataftin                     | Operations and Emergency     |                            |                         |
|                              | Management                   |                            |                         |
| <b>Rick Chaney</b>           | Assistant Chief of Fleet and | South King Fire and Rescue | Plan development        |
| Facilities                   |                              |                            |                         |
| Joe Ganem                    | Chief Financial Officer      | South King Fire and Rescue | Asset evaluation        |
|                              |                              |                            |                         |
| Victor                       | Fire Chief                   | South King Fire and Rescue | Supervisory             |
| Pennington                   |                              | _                          |                         |
| Shannon Emergency Management |                              | City of Des Moines         | Plan development, asset |
| Kirchberg                    | Assistant                    |                            | evaluation              |

#### Jurisdiction Planning Team

#### Plan Update Timeline

| Planning<br>Activity | DATE       | Summary                             | Attendees                        |
|----------------------|------------|-------------------------------------|----------------------------------|
| SKFR Internal        | 7/7/2019   | Reviewed assets, hazard             | Dave Mataftin (SKFR), Sarah Nuss |
| planning meeting     |            | vulnerability / risk assessment,    | (SKFR)                           |
|                      |            | meeting schedule.                   |                                  |
| SKFR Internal        | 8/20/2019  | Outlined estimated value of assets, | Dave Mataftin (SKFR), Sarah Nuss |
| planning meeting     |            | developed hazard maps.              | (SKFR), Victor Pennington (SKFR) |
| SKFR Internal        | 9/3/2019   | Planned public outreach event and   | Dave Mataftin (SKFR), Sarah Nuss |
| planning meeting     |            | reviewed data.                      | (SKFR)                           |
| External planning    | 9/10/2019  | Reviewed draft of risk assessment,  | Shannon Kirchberg (city of Des   |
| meeting              |            | planned public outreach events.     | Moines Emergency Management),    |
|                      |            |                                     | Sarah Nuss (SKFR)                |
| SKFR Internal        | 9/17/2019  | Reviewed work completed and         | Dave Mataftin (SKFR), Sarah Nuss |
| planning meeting     |            | discussed goals.                    | (SKFR)                           |
| SKFR Internal        | 10/29/2019 | Developed final goals and final     | Dave Mataftin (SKFR), Sarah Nuss |
| planning meeting     |            | edits to the document.              | (SKFR)                           |

South King Fire and Rescue Hazard Mitigation Plan



#### Public Outreach Events





# **Jurisdiction Hazard Mitigation Program**

Hazard mitigation strategies were developed through a two-step process. First, SKFR developed an internal planning team to identify a comprehensive list of mitigation strategies for agency assets. These strategies were then prioritized using a process established at the county- level and documented in the King County base plan.

The established hazard mitigation strategies at SKFR center around: fortifying the fire stations and apparatus (fire engines, ladder trucks, aid cars); safeguarding support and staff vehicles; protecting the life safety of personnel; protecting the natural environment and strengthening the overall capabilities of the agency to continue to deliver services to the community and to personnel (payroll etc.).

# Plan Monitoring, Implementation, and Future Updates

Overall, King County Emergency Management leads the mitigation plan monitoring and update process and schedules the annual plan check-ins and biannual mitigation strategy updates. As part of participating in the 2020 update to the Regional Hazard Mitigation Plan, SKFR agrees to convene the internal planning team at least annually to review progress on hazard mitigation strategies and to update the plan based on new data or recent disasters. The next plan update is expected to be due

#### King County Overall Plan Goals:

- 1. Access to Affordable, Healthy Food
- 2. Access to Health and Human Services
- 3. Access to Parks and Natural Resources
- 4. Access to Safe and Efficient Transportation
- 5. Affordable, Safe, Quality Housing
- 6. Community and Public Safety
- 7. Early Childhood Development
- 8. Economic Development
- 9. Equitable Law and Justice System
- 10. Equity in Government Practices
- 11. Family Wage Jobs and Job Training
- 12. Healthy Built and Natural Environments
- 13. Quality Education
- 14. Strong, Vibrant Neighborhoods

in April 2025, and SKFR will submit letters of intent to participate by 2023.

#### **Continued Public Participation**

SKFR and its member cities (Des Moines and Federal Way) already maintain public outreach capabilities, focusing on personal preparedness, education and related trainings. Information on ongoing progress in implementing the hazard mitigation plan will be integrated into ongoing public outreach efforts. This will provide residents, already engaged in personal preparedness efforts, with context and the opportunity to provide feedback on progress and priorities in local-scale mitigation efforts.

#### Integration into Other Planning Mechanisms



County Pandemic plan. The SKFR Reconstitution Plan is focused on the daily operations of the department's personnel. If operating under some type of HID or Pandemic posture this plan provides direction to duty crews that need to make adjustments in how they "live" in a fire station. Three separate phases of operation have been identified with guidance for each.

### Hazard Mitigation Authorities, Responsibilities, and Capabilities

# Plans

| PLAN TITLE  | Responsible   | POINT OF   | RELATIONSHIP TO HAZARD MITIGATION PLAN   |
|---|---|--|--|
|   | AGENCY  | CONTACT  |  |
| City of Des Moines<br>Comprehensive<br>Emergency<br>Management Plan<br>(release in 2020)<br>City of Federal<br>Way<br>Comprehensive | AGENCY<br>City of Des<br>Moines<br>City of<br>Federal Way | CONTACT<br>Ken Thomas,<br>Police Chief<br>(206) 870-7604<br>Ray Gross,<br>Emergency<br>Manager | The CEMP is directly related to the Hazard<br>Mitigation Plan in that the CEMP: outlines<br>regulations, the protection of vulnerable areas of the<br>natural environment, geological hazard areas, flood<br>risk areas and planning considerations for<br>meteorological hazards.<br>The CEMP is directly related to the Hazard<br>Mitigation Plan in that the CEMP: outlines<br>regulations, the protection of vulnerable areas of the |
| Emergency<br>Management Plan<br>(2014)  |   | (253) 835-2712   | natural environment, geological hazard areas, flood<br>risk areas and planning considerations for<br>meteorological hazards.   |
| SKFR Capital<br>Facilities Plan   | South King<br>Fire &<br>Rescue                            | Sarah Nuss,<br>Emergency<br>Management<br>Coordinator<br>(253) 347-8186                        | The Capital Improvement Plan is directly related to<br>the Hazard Mitigation Plan in that any plans to<br>modify or develop new physical infrastructure of the<br>agency is included in the Plan. This plan is reviewed<br>by agency leadership and the Board of<br>Commissioners for funding considerations.  |
| SKFR Disaster<br>Preparedness Plan<br>(2019-2021)   | South King<br>Fire &<br>Rescue                            | Sarah Nuss,<br>Emergency<br>Management<br>Coordinator<br>(253) 347-8186                        | The SKFR Disaster Preparedness Plan relates to the<br>Hazard Mitigation Plan in that it outlines hazard-<br>specific mitigation activities for the SKFR facilities,<br>apparatus, vehicles, personnel and more.  |
| SKFR Disaster<br>Response<br>Protocols (2019-<br>2021)  | South King<br>Fire &<br>Rescue                            | Sarah Nuss,<br>Emergency<br>Management<br>Coordinator<br>(253) 347-8186                        | The SKFR Disaster Response Protocol document<br>relates to the Hazard Mitigation Plan in that the<br>document outlines response protocols by position<br>(within SKFR), and builds upon the sister document,<br>particularly the Hazard Mitigation elements of that<br>document (the SKFR Disaster Preparedness Plan).   |

The above references support the hazard mitigation strategies of South King Fire and Rescue. Because of the agency's status as a first responder, the infrastructure from which services are delivered are vital to agency's mission and the safety of the community.

## Hazard Mitigation Strategies

SKFR was not a signatory on the 2015 King County Hazard Mitigation Plan, meaning that there were no previous hazard mitigation strategies (goals) to build upon. Therefore, the mitigation strategy development process began by developing new strategies for SKFR ("new" meaning that the strategies within this SKFR annex are "new" to the county-wide plan). Moving forward, SKFR leadership will consider the strategies as future budgets are developed and will work with regional partners to leverage funding options for accomplishing strategies that require funding considerations. For strategies that do not involve the need for additional funding (i.e., "support the implantation, South King Fire and Rescue Hazard Mitigation Plan Page 20



monitoring and maintenance of this plan"), job duties will be assigned to the appropriate staff, so that ongoing plan (and overall mitigation strategy) maintenance is established, accounted for and sustainable



## 2020 Hazard Mitigation Strategies

| Strategy  | Lead<br>Agency/POC          | TIMELINE  | Priority |
|---|-----------------------------|---|----------|
| <b>SKFR 1:</b> Support public<br>education programs and<br>preparedness strategies<br>consistent with county<br>and local preparedness<br>and mitigation goals. | South King Fire<br>& Rescue | SKFR emergency management strives to develop,<br>implement and support programs and strategies<br>that are consistent with regional partners, in order<br>to promote consistent messaging, activities and a<br>more resilient community.  | Medium   |
| <b>SKFR 2:</b> Support the implementation, monitoring, maintenance and updating of this plan.   | South King Fire<br>& Rescue | This annex will be reviewed on an annual basis, or<br>as needed to meet any 2020 mitigation goals. On a<br>5-year basis, this annex will be updated, as a part<br>of the overall county-wide update process.  | Medium   |
| <b>SKFR 3:</b> Remodel facility<br>#60 into two structures,<br>to become a new fire<br>station and an adjacent<br>SKFR support facility.                        | South King Fire<br>& Rescue | For facility #60, the retrofit process has already<br>begun. For this facility, a large portion of the<br>facility is being transformed into a "new"<br>response-focused fire station. The other portion of<br>the facility is also being updated, as a support<br>facility. The remodel process includes retrofitting<br>to meet current code, and to fortify the two<br>portions of the facility to withstand a certain<br>degree of ground shaking and liquefaction. | High     |
| <b>SKFR 4:</b> Remodel fire<br>stations #65 and #62, to<br>include modifications to<br>reduce impacts from<br>ground shaking.                                   | South King Fire<br>& Rescue | For station #65, funding has been acquired and<br>allotted. Retrofitting construction will likely begin<br>in January of 2020, and ideally be completed by the<br>end of 2020.<br>For station #62, funding sources and mechanisms<br>are currently being investigated. The goal is to<br>begin the remodel for this station within the next<br>two years (as construction winds down for facility<br>#60 and station #65).  | High     |





# **Hazard Mitigation Strategy**

Strategy #1: Support public education programs and preparedness strategies consistent with county and local preparedness and mitigation goals.

| Lead Points of Contact      | Partner Points of Contact (Title) | Hazards     | Funding Sources and  |
|-----------------------------|-----------------------------------|-------------|----------------------|
| (Title)                     |                                   | Mitigated / | Estimated Costs      |
|                             | City of Federal Way, City of Des  | Goals       |                      |
| South King Fire and Rescue, | Moines, King County Office of     | Addressed   | Costs: Staff time    |
| Emergency Management        | Emergency Management, Valley      |             | Funding Source: None |
| Coordinator                 | Regional Fire Authority.          | All-hazards | _                    |
| Strategy Vision/Objective   |                                   |             |                      |

The objective of this strategy is to develop, implement and support educational programs, preparedness strategies and other hazard mitigation related activities that are consistent with city and county level strategies /activities.

Mitigation Strategy

In order to create and provide accurate, consistent and well-planned activities / education related to emergency management (and specifically hazard mitigation), the SKFR emergency management division is dedicated to working closely with local (city and county) agencies. In 2018, SKFR hired a full time emergency management coordinator, with the intent to dedicate a full time employee to maintaining relationships with and working in coordination with local public emergency management entities. Moving forward, the emergency management coordinator will continue to work closely with local public agencies to ensure that all related such activities are parallel, and are designed to work towards the same goal of whole community preparedness and internal agency preparedness.

| 2-Year Objectives   | 5-Year Objectives   | Long-Term Objectives   |  |
|---|---|--|--|
| • Coordinate regularly with regional partners and stakeholders, in regards to preparedness and mitigation planning activities | • Coordinate regularly with regional partners and stakeholders, in regards to preparedness and mitigation planning activities | • Coordinate often with<br>local public agencies in<br>regards to emergency<br>management activities |  |
| regional partners and<br>stakeholders, in regards to<br>preparedness and mitigation   | regional partners and<br>stakeholders, in regards to<br>preparedness and mitigation   | • Coordinate often with<br>local public agencies is<br>regards to emergency                          |  |

Implementation Plan/Actions

On a quarterly basis, the emergency management coordinator (or relevant staff) will identify (via the Zone three emergency management sector) which programs, activities, strategic planning initiatives or other projects should involve SKFR representation and support.

As SKFR develops new plans, updates old plans, or enters into new cooperatives, the emergency management coordinator will connect with local public agencies to ensure the materials, program, implementation and other factors are consistent with regional planning activities and messaging.

Performance Measures

- Participate in regional workgroups, projects and initiatives
- Reach out to regional partners to evaluate new or updated SKFR specific emergency management plans, programs, educational materials etc.



• Assist (as requested) regional partners with emergency management related activities and plan development

#### Strategy #2: Support the implementation, monitoring, maintenance and updating of this plan.

| Lead Points of Contact (Title) | Partner Points of Contact (Title) | Hazards     | Funding Sources and  |
|--------------------------------|-----------------------------------|-------------|----------------------|
|                                |                                   | Mitigated / | Estimated Costs      |
| South King Fire and Rescue,    | City of Des Moines Emergency      | Goals       |                      |
| Emergency Management           | Management team; City of Federal  | Addressed   | Costs: staff time    |
| Coordinator                    | Way Emergency Manager.            |             | Funding Source: None |
|                                |                                   | All-hazards | <u> </u>             |

Strategy Vision/Objective

The objective of this strategy is to ensure that this annex is implemented, monitored, maintained and updated in a timely and organized fashion.

Mitigation Strategy

SKFR will strive to meet all strategies outlined in this annex, in a timely fashion. The overall King County Hazard Mitigation Plan will be reviewed at least annually, to ensure that SKFR strategies are being accomplished in coordination with regional and local strategies.

| 2-Year Objectives   | 5-Year Objectives  | Long-Term Objectives  |
|---|--|---|
| <ul> <li>Consider mitigation<br/>funding through the<br/>annual SKFR budget<br/>review process</li> <li>Continue participation at<br/>county and city level<br/>mitigation related events /<br/>activities</li> </ul> | <ul> <li>Participate in the county-<br/>wide update process<br/>(every 5 years)</li> <li>Identify evolving hazard<br/>threats and mitigation<br/>needs (internally)</li> </ul> | <ul> <li>Ensure that this plan is used<br/>regularly as a hazard<br/>mitigation planning tool</li> <li>Strengthen collaboration and<br/>relationships with regional<br/>partners</li> </ul> |
|   |  |   |

Implementation Plan/Actions

SKFR will participate in future King County and Pierce County Mitigation efforts through attending meetings, staffing exercises and drills, and participating in plan development or update. The SKFR EMC will continue to provide educational trainings and events, in order to educate and prepare the public in regards to hazard mitigation and overall disaster preparedness. Finally, SKFR will support regional partners and stakeholders in the implementation and update of their mitigation activities, as relevant and as capabilities/ time allow.

Performance Measures

- Annual progress reports to King County Office of Emergency Management (regarding the SKFR annex to the county-wide plan)
- Feedback from regional partners and stakeholders







# Strategy #3: Remodel facility #60 into two structures, to become a new fire station and an adjacent SKFR support facility.

| Lead Points of Contact      | Partner   | Hazards Mitigated / Goals | Funding Sources and |
|-----------------------------|-----------|---------------------------|---------------------|
|                             | Points of | Addressed                 | Estimated Costs     |
| South King Fire and Rescue, | Contact   |                           |                     |
| Assistant Chief of Special  |           | Geological hazards,       | Costs: \$4.2M       |
| Operations and Emergency    | None      | meteorological hazards    | Funding Source: N/A |
| Management                  |           |                           |                     |
| Strategy Vision/Objective   | ÷         | ·                         | ÷                   |

The objective of this strategy is to modify an existing SKFR facility, to create a "new" responding fire station, and to modify the remaining structure into an adjacent facility (purpose TBD).

Mitigation Strategy

Agency leadership has identified that with the rise in call volume over the past few years, coupled with an increase in population and senior longevity, more SKFR response "coverage" will be needed in coming years. Essentially, more fire stations, apparatus and staff will be needed to deliver the level of response that is currently offered. In order to meet the coming needs, a "new" fire station will be strategically built, to increase the SKFR standards of cover in the service area. The mitigation benefits of an additional in-service fire station include more apparatus to respond if other SKFR apparatus are trapped or damaged, more personnel to backfill positions as needed, and an additional all-hazards fortified structure that can be used for an alternate SKFR Department Operations Center (or for other asset staging). Too, considerations will be made regarding the physical location of this new station, in order to stage a facility in a location that is of minimal risk for all-hazards incidents.

| 2-Year Objectives             | 5-Year Objectives                   | Long-Term Objectives |  |
|-------------------------------|-------------------------------------|----------------------|--|
| Finalize construction on      | • Maintain the fire station to      | • Maintain the fire  |  |
| the "new" fire station        | meet modern code and to             | station and adjacent |  |
| • Finalize construction on    | physically withstand evolving       | facility to meet     |  |
| the adjacent facility         | threats (natural or manmade)        | modern code and to   |  |
| • Hire staff for fire station | • Establish function and purpose    | physically withstand |  |
| • Acquire apparatus for the   | of the adjacent facility, and staff | evolving threats     |  |
| fire station                  | the facility as needed.             | (natural or manmade) |  |

Implementation Plan/Actions

Remodel construction is already underway for the fire station portion and the adjacent support portion of the facility. The agency is in the process of identifying how many new hires may be needed to either staff the new station or backfill positions if existing staff is relocated to this station. Once construction of the fire station portion of the facility is completed, it will be fully staffed (to include new apparatus and/or new support vehicles) and will begin response operations. The agency is in the process of identifying the end-purpose of the adjacent support facility. As that determination is made, new staff will be hired or current staff relocated to meet the needs of the facility.

Performance Measure

- Completion of "new" fire station construction / remodel
- Complete construction / remodel of adjacent facility
- Purchase of apparatus and/or support vehicles
- Hiring of new firefighters and other staff



#### Strategy #4: Remodel fire stations #65 and #62, to include modifications to reduce impacts from ground shaking.

| Lead Points of Contact (Title)             | Partner Points     | Hazards Mitigated /         | Funding Sources and Estimated       |
|--|--------------------|-----------------------------|-------------------------------------|
|  | of Contact         | Goals Addressed             | Costs                               |
| South King Fire and Rescue,                | (Title)            |                             |                                     |
| Assistant Chief of Special                 |                    | Geological hazards,         | Costs for #65: \$1.3M               |
| Operations and Emergency                   | None               | meteorological hazards      | Est. Costs for #62: \$4.6M          |
| Management                                 |                    | 0                           | Funding Source: N/A                 |
|  |                    |                             |                                     |
| Strategy Vision/Objective                  |                    |                             |                                     |
|  |                    |                             |                                     |
| The objective of this strategy is t        | to remodel / mod   | dify stations #65 and #62.  |                                     |
| , 87                                       | ,                  | 5                           |                                     |
| Mitigation Strategy                        |                    |                             |                                     |
|  |                    |                             |                                     |
| Because of the age of the station          | s, these two stati | ons have been prioritized t | for remodel. The mitigation         |
| benefits of modifying these stati          | ons include addit  | ional hardening against ge  | ological hazards and meteorological |
| hazards. Too, a remodel at static          | on #62 will involv | ve an improved SKFR Der     | partment Operations Center.         |
|  | <b>5 W</b> 01      |                             |                                     |
| 2-Year Objectives                          | 5-Year Objec       |                             | Long-Term Objectives                |
| <ul> <li>Complete modifications</li> </ul> |                    | ire approval of funding for |                                     |
| to station #65                             | statio             | n #62 remodel               | and #65 to meet                     |
| • Activate station #65 for                 | Comp               | olete remodel of station    | modern code and to                  |
| full response operations                   | #62                |                             | physically withstand                |
| • Identify sources of                      |                    | ate station #62 for full    | evolving threats                    |
| funding for station $#62$                  |                    | nse operations (and         | (natural or manmade)                |

Implementation Plan/Actions

remodel

For station #65, funding has been acquired and allotted. Retrofitting construction will likely begin in January of 2020, and ideally be completed by end of 2020. Once completed, existing staff will be assigned to work out of this station and existing apparatus will be restaged.

response operations (and administrative functions)

For station #62, funding sources and mechanisms are currently being investigated. The goal is to begin the remodel for this station within the next two years (as construction winds down for facility #60 and station #65). Considerations for additional firefighters and/or support staff is also underway. Once completed, this station will continue to serve as SKFR headquarters (HQ), and as the location of the primary DOC.

Performance Measures

- Completion of station #65 remodel
- Activation of station #65 as a responding fire station (i.e., fully staff with personnel, apparatus, supplies, equipment)
- Funding approval by SKFR leadership and Board of Commissioners for station #62 remodel
- Completion of station #62 remodel
- Activation of station #62 as a responding fire station and SKFR HQ (i.e., fully staff with personnel, • apparatus, supplies, equipment)