# Dockets UE-170033 and UG-170034 (consolidated) and Dockets UE-072300 and UG-072301 (consolidated)

Puget Sound Energy 2020 Service Quality Program and Electric Service Reliability Filing

Attachment B: PSE Natural Gas Emergency Response Plans for Outlying Areas

# **Centralia/Chehalis**

# **EMERGENCY RESPONSE PLAN**

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# Emergency Response Plan Centralia/Chehalis

#### How Centralia/Chehalis will be served

#### Regular business hours:

During regular business hours we will utilize employees who are working in Centralia/Chehalis. This could include Gas First Response, SC&P, or Infrasource personnel.

#### **After Hours:**

We have identified those gas employees that live in and in close proximity to Centralia/Chehalis. Outside of normal business hours we will contact the Gas First Response employees who live in Centralia/Chehalis. (If these employees know they will be unavailable they will notify Dispatch). If the resident employees are not available, we will notify the staff identified that lives near Centralia/Chehalis, if that fails, we will move First Responders per the standard callout process, which dispatch the closest GFR personnel to the problem.

#### Floods:

Lewis County has had numerous 100-year floods in the past several years; this area is prone to flooding. This area may be closed to any traffic except for emergency vehicles and local traffic. In the past I-5 has been shut down. During flooding, the best way to get there may be through Littlerock or Bucoda. The Cities of Centralia, Chehalis and Lewis Co. generally inform PSE of any wash outs or any other road problems. Portions of the distribution system may need to be shut down in case of flooding.

#### **Alternative Access:**

### PSE STAFF WHO RESIDE IN CENTRALIA/CHEHALIS

XXXXXXXXXXXX (Gas)

XXXXXXXX

Centralia, WA 98531

Pager: XXXXXXXXXXXXX

XXXXXXXXXXX (Gas)

Centralia, WA 98531

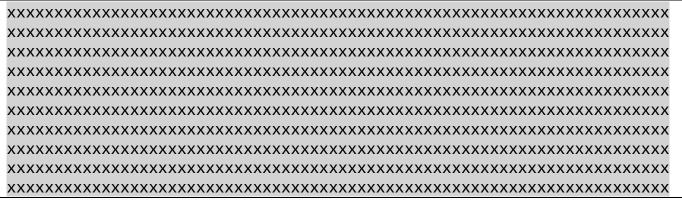
### PSE STAFF WHO WORK IN CENTRALIA/CHEHALIS

**XXXXXXXXX** Gas GFR Supervisor, Olympia Office

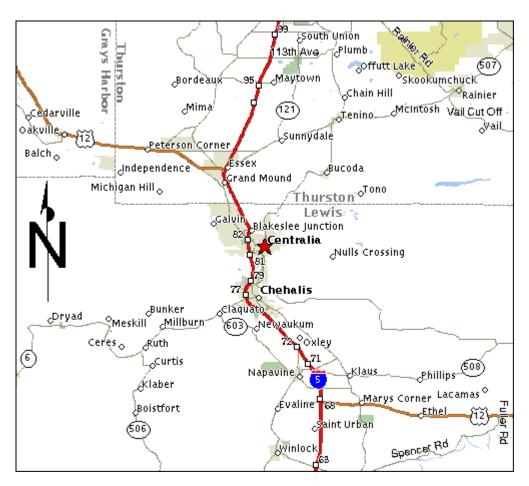
Olympia, WA 98579

Pager: XXXXXXXXXXXXX

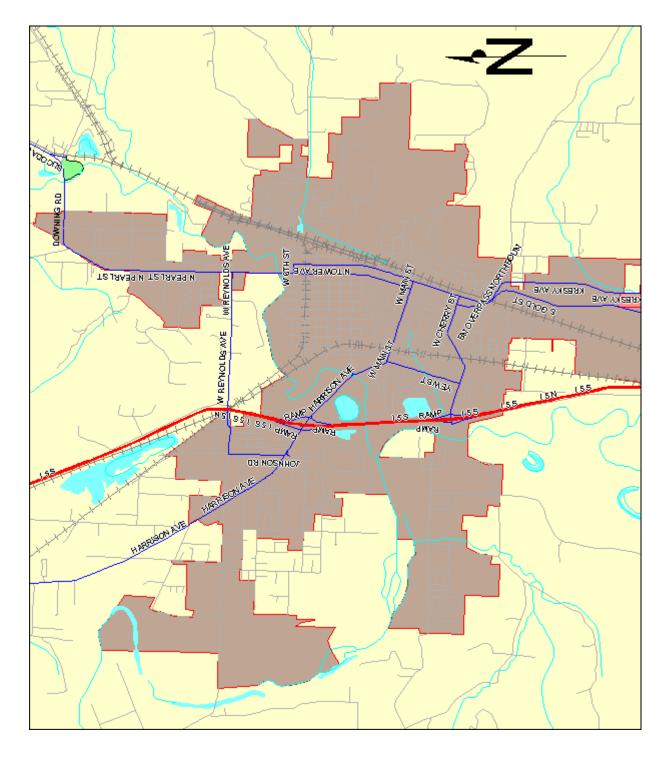
DIRECTIONS/CENTRALIA OPERATING BASE (From Olympia)



<u>Total Estimated Driving Time from Olympia: 31 minutes</u>
<u>Total Distance: Approximately 28 miles</u>



# CITY MAP Centralia



# OPERATIONS MAP KEY Centralia

**REDACTED** 

# PLAT MAP KEY

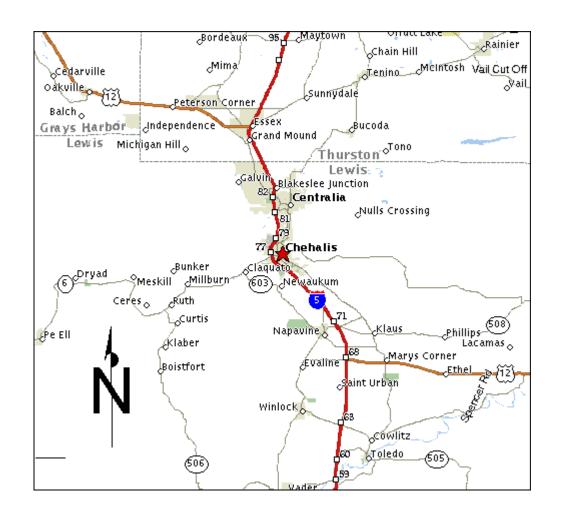
# Centralia

## **REDACTED**

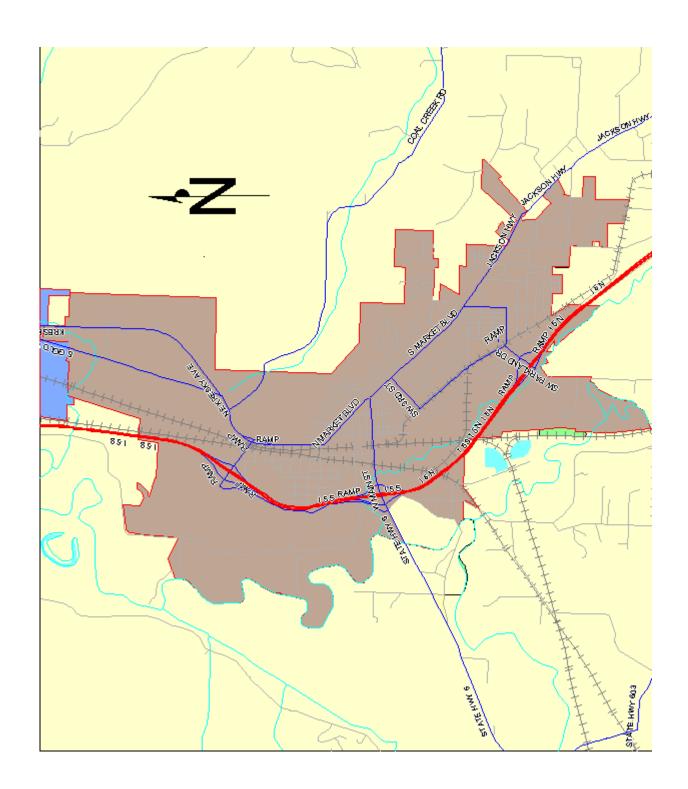
# DIRECTIONS/CHEHALIS (From Olympia)



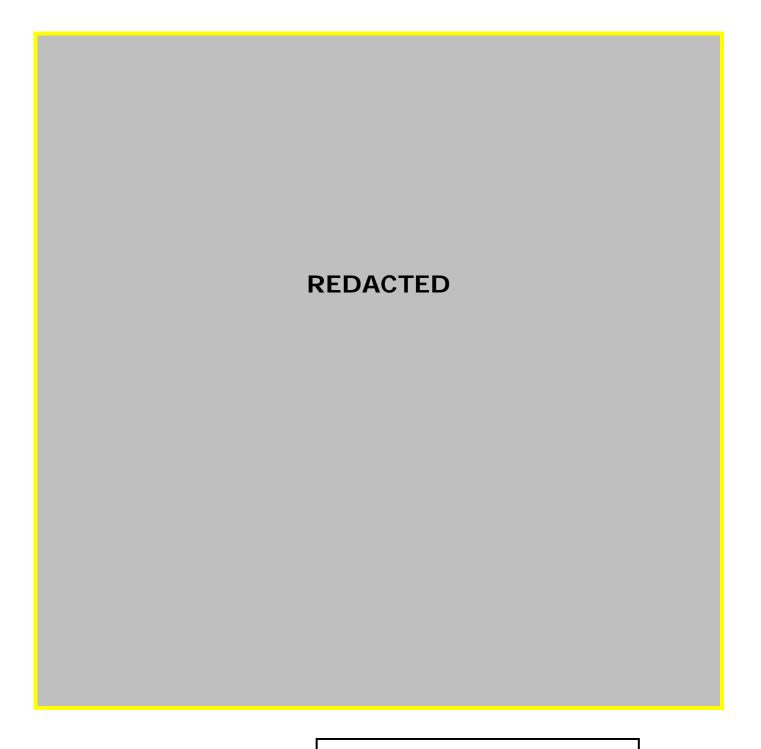
# Total Estimated Driving Time from Olympia: 32 minutes Total Distance: 30.71 miles



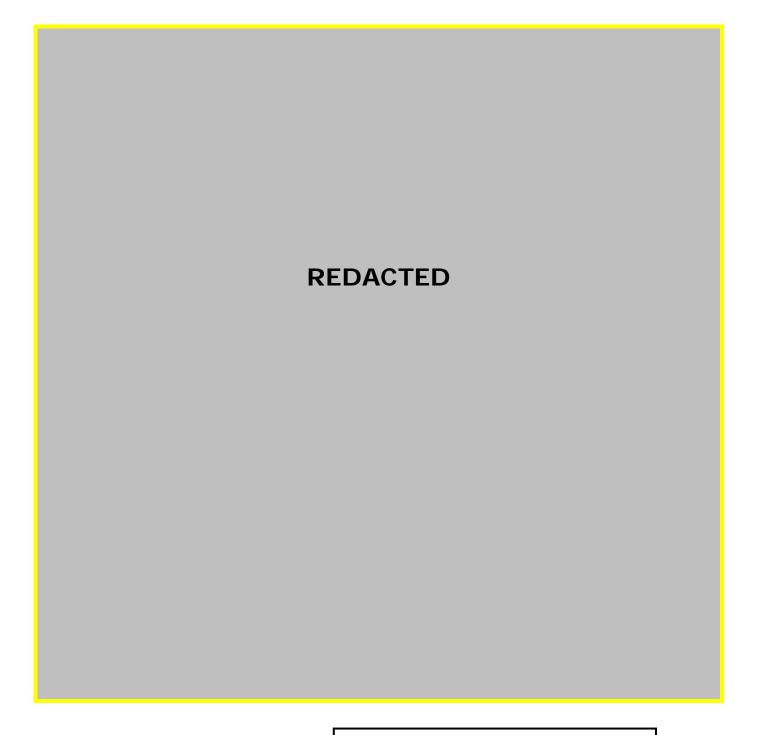
# CITY MAP Chehalis



# OPERATIONS MAP KEY Chehalis



# PLAT MAP KEY Chehalis



# ROLES AND RESPONSIBILITIES OF THE SERVICE PROVIDERS

Infrasource Contractors (IFS) performs the installation of new customer construction on both residential and commercial gas services. They perform gas system upgrades and replacements, as well as, gas system operation and maintenance. In addition, IFS responds to breaks at the request of PSE Gas Dispatch.

# **Kittitas County**

# **EMERGENCY RESPONSE PLAN**

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# Emergency Response Plan Kittitas - GAS

#### **How Kittitas is served**

#### **Regular business hours:**

During regular business hours we will utilize employees who are working in Kittitas. This could include Gas First Response personnel or SC&P.

#### **After Hours:**

Outside of normal business hours we will first contact the Gas First Response employees who live in Kittitas. Two of these employees are expected to provide 24 hour 7 days per week coverage on an alternating week basis. If one of the four resident employees is not going to be available, we will move a First Responder from the west side of the mountains. If none of these people are available, use the normal callout procedure, calling the closest person(s) to the emergency.

#### What to do if the pass is closed and support is needed:

#### PSE gas staff who reside in/near Kittitas

	Home	Cell	Pager	Pvt	Addr	Job
				ID		
XXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXX	XXXXXXXXXXXXX, Ellensburg	CFS Tech
XXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXX	XXXXXXXXXXXXXXXX, Ellensburg	Fitter
XXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXX	XXXXXXXXXXXXXX, Cle Elum	PI Inspector
xxxxxxxxx	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXX	XXXXXXXXXXXXXX, Selah	Supervisor
			XXXXXXXXXXX			

• These personnel have received basic training on regulator station operations and using the main line valves to control the 16" high pressure main.

#### PSE support Staff in Kittitas -

Knowledge of area and keys to facilities

	Home	Cell	Pager	Nextel	Addr	Job
xxxxxxxxx	xxxxxxxxxx	xxxxxxxxxx			Ellensburg	Comm Rel MGR
xxxxxxxxx	xxxxxxxxxx	xxxxxxxxxx			Ellensburg	Operations Support Specialist

PSE Electric servicemen in Kittitas

	Dispatch	After hours	Sys Mgr	Addr	Job
xxxxxxxxx	XXXXXXXXXX	xxxxxxxxx	xxxxxxxxxx	Cle Elum	Serviceman
xxxxxxx	XXXXXXXXXX	xxxxxxxxx	xxxxxxxxxx	Cle Elum	Serviceman
xxxxxxx	xxxxxxxxxx	xxxxxxxxx	xxxxxxxxxx	Cle Elum	Serviceman

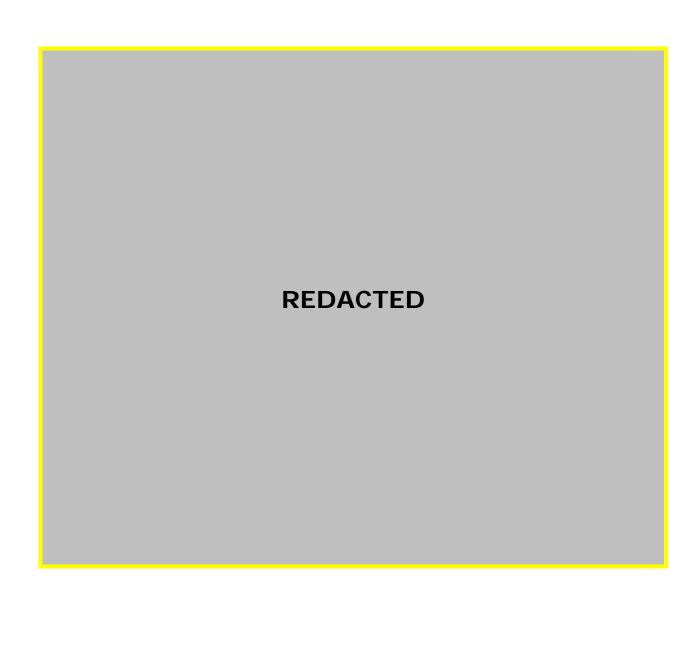
#### **Facilities**

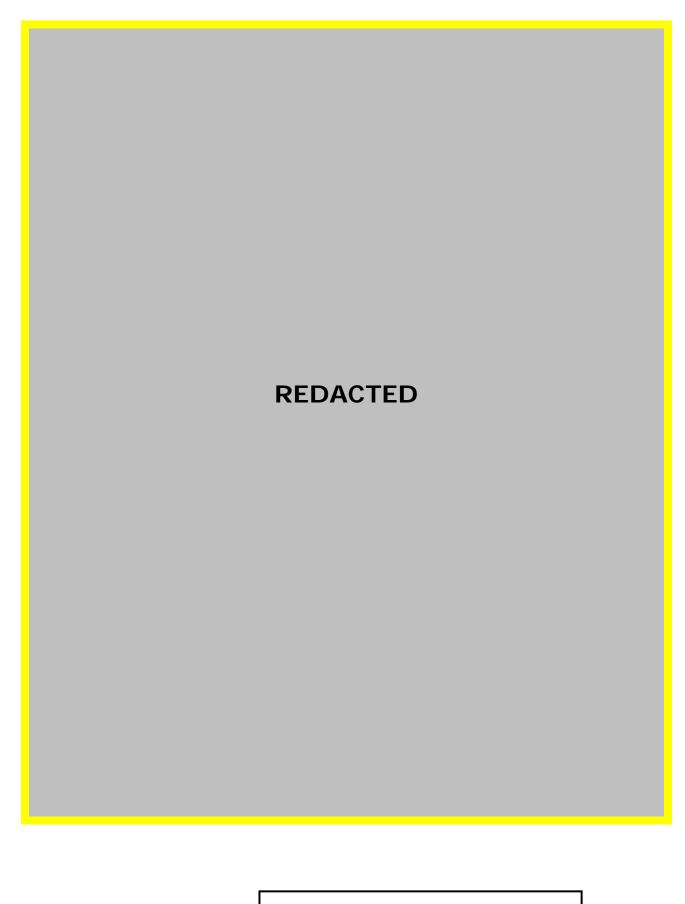
Puget Sound Energy's Kittitas Base is located just Off I-90 at Exit 101 West of Ellensburg.

#### Address

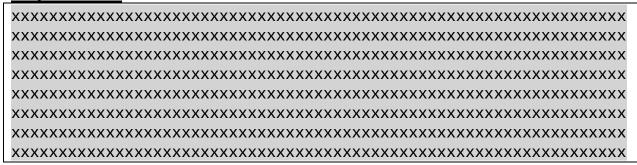
### Map and Driving Directions to Facility

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX





#### **Key Number**



#### <u>Material</u>

PSE maintains a trailer at our Kittitas facility, which will be used to carry Tools and materials needed in case of a gas emergency (see Material and Tool List Available at the Facility, page 8,9).

## Map of Distribution and Supply System

See the following OP (Operations) maps:

264.230 (City of Thorp) 268.230 (Dist Reg and svc center)

272.230 272.236 272.248 272.254

276.230 276.236 276.242 276.248 (gate station)

276.254 (City of Kittitas) 280.230

280.236 280.242 (river crossing) 280.248 284.248 284.254 264.224 (Tangum crock crossing) 260.234 260.218 254.218 253.212 248.212

(Taneum creek crossing) 260.224 260.218 256.218 252.212 248.212

(CleElum river x'ing and DR) 248.206 (Cle Elum) 248.200 (Suncadia resort)

244.200 248.194 244.194 (Tumble Creek resort)

# Roles and Responsibilities of the Service Providers and others

PSE performs the installation of new customer construction on both residential and commercial gas services, as well as, gas system operation and maintenance. Infrasource Contractors (IFS) responds to breaks at the request of PSE Gas Dispatch.

### Mutual Assistance Agreement City of Ellensburg:

PSE has entered into a mutual aid agreement with the municipal natural gas utility at the City of Ellensburg. In the case of emergency they can be reached through the following numbers.

**City of Ellensburg** natural gas (daytime) **Kittitas County 911** (dispatch after hours)

XXXXXXXXX XXXXXXXXXX

XXXXXXXX City of Ellensburg Gas engineer

XXXXXXXXX

## **Williams Pipeline:**

XXXXXXXXXX - Operations Technician

## Material and Tool List Available at the Facility

# Kittitas Emergency Supply Equipment

### **Weld Equipment**

Oxy/acetylene - One bottles each of oxygen and acetylene will be stored at the facility in the warehouse.

## Equipment store on the trailer at PSE's facility

## **Squeeze Tools:**

4" and 6" PE Squeeze Machines and Hydraulic pump

## **Breathing Air:**

4 – 1 hour bottles

4 - 5 min bottles

4 – large face masks

REDACTED VERSION

#### **Electrofusion:**

2", 4" and 6" clamps

1 – 2500 watt generator

Electrofusion machine

## Leak Clamps:

Full circle clamps - 2" by 12" long - two

Full circle clamps - 4" by 12" long - two

Full circle clamps - 6" by 12" long - one

### Incidental equipment:

Wood plugs – variety of sizes Fire Extinguisher

### **Tool Room Inventory**:

Shoring: - in tool room

Three 24" spreaders and pump

Four - 4 X 4' sheets of board (in PSE secured parking)

Four – 4 x 8' sheets of board (in PSE secured parking)

#### **Fusion:**

2" and 4" plates facer etc.

### Flagging:

Signs and standards – Available in PSE secured parking in area next to pre-tested pipe

### **Covered Storage next to covered parking:**

Pre tested pipe 1¼", 2", 4" and 6" pipe. Valve Keys

### **Backhoe**

PSE does not maintain a backhoe at the Kittitas facility. When a backhoe has been required one has been either rented from Potelco (who co-occupies the base) or United Rentals located in Ellensburg.

In the case of an emergency where a backhoe is required on site the following options are presented:

- 2. The City of Kittitas has an operator and hoe that can be used for emergencies within the city limits of Kittitas if they can be reached and the equipment is available. They can be reached at XXXXXXXXXX during normal working hours. The operator's name is XXXXXXXXX.

# Sumas Generating Station and Pipeline

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	Emergency Shutdown of Pipeline
	Maps of pipeline system
	Road Crossings
	IVIATELIAL / TUULTINI

#### Purpose of this plan:

This document is intended to provide guidance for responding to emergencies on the pipeline serving the Sumas Generating Station which is isolated from our franchised distribution service territory.

This plan is not intended to be a detailed and comprehensive emergency plan. For those details, please refer to the Corporate Emergency Plan, Gas Operating Standards and Field Procedures.

In the case that this document conflicts with the Corporate Emergency Plan, Gas Operating Standards or Field Procedures, those documents shall take precedence.

#### **How Sumas Generating Station is served**

#### **Regular business hours:**

During regular business hours we will first utilize employees who are working at the Generating Station and get Gas Operations employees enroute from Snohomish County. This could include Gas First Response personnel and/or SC&P.

When personnel from Gas Operations travel to the Sumas area for regular duties they should notify Gas Control and Gas Operations Dispatch to let them know they will be in the area, and for approximately how long.

#### **After Hours:**

Outside of normal business hours we will first contact the Gas First Response and System Control & Protection employees who live closest to Sumas. If none of these people are available, use the normal callout procedure, calling the closest person(s) to the emergency.

### What to do if highways are closed and support is needed:

If inclement weather, an accident or incident has the primary routes (I-5 and SR-9) closed and support personnel or material are required from the service area, call the System Manager at XXXXXXXX, XXXXXXXXXXX or XXXXXXXXXXX to make arrangements for aerial transport to Sumas.

# PSE gas staff who reside nearest to Sumas or are responsible for the pipeline and stations in the Sumas Area

Name	Home	Cell	Job	
XXXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	Pressure Control	
XXXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	Instrumentation	
XXXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	PI Inspector	
XXXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	CFS Technician	
XXXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	Pressure Control	
XXXXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXX	Pressure Control	
XXXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	CFS Technician	
XXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	Industrial Meter Operations	
XXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	PI Inspector	
XXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	GFR Supervisor	
XXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	Pressure Control Supervisor	
XXXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	Instrumentation Supervisor	

- These personnel have received basic training on pipeline and station operations and using the main line valves to control the 8" high pressure transmission line.
- Call PI Inspectors for emergency locates.

## PSE support Staff in Whatcom County -

Knowledge of area and keys to facilities

**PSE Generating Station Staff** 

Name	Home	Cell	Office	Job
XXXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	Plant Manager
XXXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	Plant O&M Supervisor
XXXXXXXXXXXXX			XXXXXXXXX	
XXXXXXXXXXXXX			XXXXXXXXX	CT Journey Worker
XXXXXXXXXXXXX		XXXXXXXXXX	XXXXXXXXX	CT Journey Worker
XXXXXXXXXXXXX			XXXXXXXXX	CT Journey Worker

PSE Electric servicemen in Whatcom County

Name	Home	Cell	Pager	Job
XXXXXXXXXXXXX		XXXXXXXXX		Service Lineman
XXXXXXXXXXXXX		XXXXXXXXX		Service Lineman
XXXXXXXXXXXXX		XXXXXXXXX		Service Lineman
XXXXXXXXXXXXX		XXXXXXXXX		Service Lineman
XXXXXXXXXXXXX		XXXXXXXXX		Service Lineman
XXXXXXXXXXXXX		XXXXXXXXX		Service Lineman

## **Emergency Numbers**

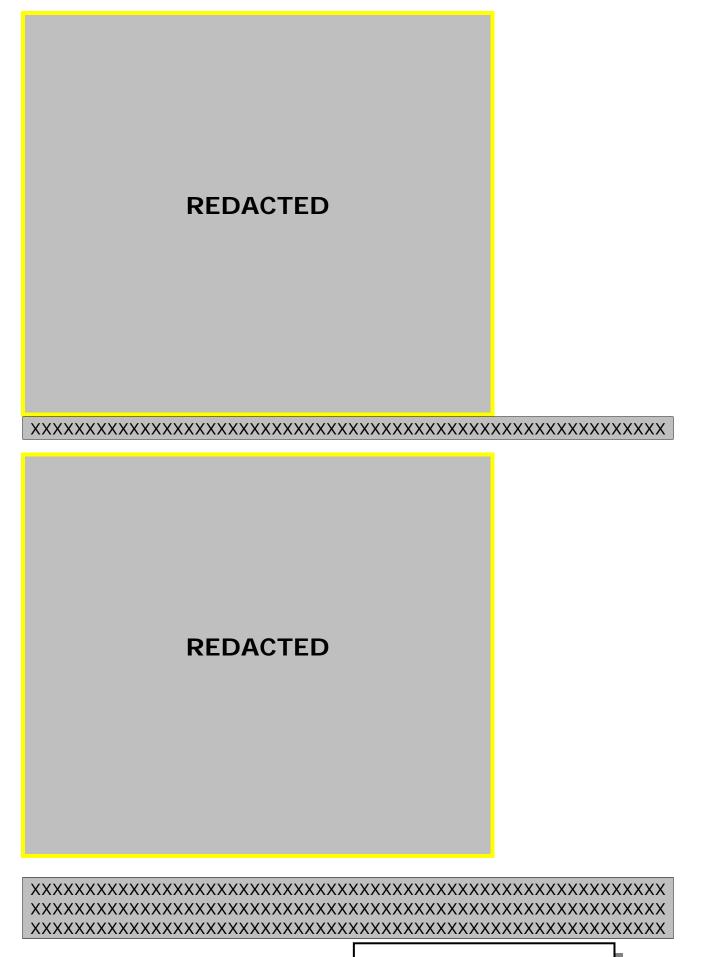
Police / Fire / 911 / Emergency Ma	nagement	
Whatcom County 911	Dispatch	xxxxxxxxxxxx
Whatcom County Emergency		XXXXXXXXXXXXX
Management		
Washington State Patrol		XXXXXXXXXXXX
Sumas Police Department		XXXXXXXXXXXX
Sumas Fire Department	Chief Debruin Mobile	xxxxxxxxxxxx
Bellingham Fire Department		xxxxxxxxxxx
Lynden Fire Department		XXXXXXXXXXXXX
	Chief Barr	xxxxxxxxxxxx
Puget Sound Energy – Gas and Elec	tric Operations	
Gas Control	PSE ext	XXXXXXXXXXXXX
	Outside dialing	XXXXXXXXXXXX
Gas Operations Dispatch	PSE ext	xxxxxxxxxxx
	Outside dialing	XXXXXXXXXXXX
Load Office	PSE ext	xxxxxxxxxxx
	Outside dialing	XXXXXXXXXXXX
	Toll free	XXXXXXXXXXXXX
System Operations Supervisor	Toll Free	XXXXXXXXXXXXX
U.S. Government – Department of H	Homeland Security	
U.S. Customs		xxxxxxxxxxx
U.S. Border Patrol		xxxxxxxxxxx
Canada Customs (Canada Border Services Agency)		XXXXXXXXXXXXX
Sumas Congrating Station		
Sumas Generating Station	0.4 1	
Generating Station	24 hour	XXXXXXXXXXXXX
Control Room Mobile phone	Emergency only	XXXXXXXXXXXXX
Plant O&M Supervisor		XXXXXXXXXXXXX
Plant Manager		XXXXXXXXXXXXXX
Other Utilities and Pipelines		
Westcoast Energy / Spectra Energy	Gas Control	XXXXXXXXXXXXX
Williams Pipeline Sumas District Office	District Office	xxxxxxxxxxxx
	Gas Control	
Cascade Natural Gas	Dispatch	XXXXXXXXXXXXX
Contractors		
Infrasource Contractors	Office	xxxxxxxxxxxx
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
Snelson Companies Inc.		xxxxxxxxxxxx

# Huntingdon (Sumas) Area Pipeline 24/7 Emergency Contacts 2015/16

Company	Name	Phone Number
Fortis BC	Gas Control - (Surrey)	xxxxxxxxxxxx
	Gas Control Satellite phone (Surrey)	xxxxxxxxxxxxx
Spectra Energy	Gas Control - (Calgary) Main	xxxxxxxxxxxx
	Gas Control - (Fort St John) Back up	xxxxxxxxxxxx
Williams – North West Pipelines (North)	Gas Control - (Salt Lake)	xxxxxxxxxxxx
	Gas Control Satellite phone (Salt Lake)	xxxxxxxxxxxx
Puget Sound Energy	Gas Control - North Console (Bellevue)	xxxxxxxxxxxx
	Gas Control - South Console (Bellevue)	xxxxxxxxxxxx
Cascade Natural Gas	Gas Control - (Kennewick)	xxxxxxxxxxxx
ВР	Gas Control - (Tulsa)	xxxxxxxxxxxx
Kinder Morgan Canada	Control Center - (Edmonton)	xxxxxxxxxxxx

#### **Facilities**

way elsewhere). **REDACTED** REDACTED 



Border Crossing/Regulator Station - XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	ΧX
REDACTED	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXX
REDACTED	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX

## Map and Driving Directions to Generating Station

## From I-5 North at Bellingham

Instruction	For
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX

## **REDACTED**

## Map and Driving Directions to Border Crossing / Regulator Station

## From I-5 North at Bellingham

Instruction	For
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	XXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	XXXXXX
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	XXXXXX
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	XXXXXX

## **REDACTED**

#### **Directions from Generating Station to Border Station**

For directions from I-5 northbound, see page 9 for map to Generating Station, and page 10 for map to Border Crossing / Regulator Station.

Mile	Instruction	For
XXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	xxxxxx
XXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	

## **REDACTED**

# Access to Facilities Key Number XXXX

#### **Sumas Generating Station**

Unless the gates are opened prior to your arrival, you will need to call on the call box to the left of the gates to enter the facility. There are two gates, one at the front of the lumber yard, one at the entrance to the Generating Station (behind the lumber yard). Once you are inside the gates, the Generating Station regulator station is opened with a XXXXXXXX key.

### **Border Regulator Station**

The chain link fence around the station is locked with a padlock that uses a XXXX. The door to the regulator station building is opened with a XXXXXXX key.

### **Border Custody Transfer Point**

This area is about 100 yards north and slightly west of the border regulator station. From the border regulator station, there is a gravel path to the west behind the BP regulator station, then to the north to the PSE border custody transfer point. BP and Cascade Natural Gas have facilities immediately to the west of the PSE facilities. See page 16 for an aerial photograph. The chain link gate and valves are locked with padlocks that use a XXXX key.

## Emergency Response - Odors, leaks or line breaks

The plant is operated 7x24

If emergency calls are received at the Sumas plant phone number; upon receipt of an emergency call, plant personnel will;

- Immediately respond to the location of the report.
- Upon arriving on site, plant personnel will call Gas Control to notify them of their arrival.
- Investigate the report to the best of their ability and notify Gas Control of their findings.
- If the situation presents a threat to life or property, they shall shut down the pipeline.
- If it is necessary to shut down the pipeline;
  - o Determine if the automated equipment has shut down the pipeline.
  - o If the automated equipment has not shut down the pipeline,
    - Call Gas Control to contact Spectra Energy/Westcoast Energy to shut down the pipeline.
    - Shut the pipeline down manually.
  - o Do not attempt to restore service on the pipeline once it has been shut down.
- Wait for Gas Operations personnel to arrive on site and assist them as necessary.
- Contact the appropriate local emergency response personnel for assistance if needed.
- Keep unauthorized personnel an appropriate distance away from the area if required.
- Provide regular updates to Gas Control.
- Notify electric operations departments and/or personnel as required.

#### Gas Control will

- Dispatch a Pressure Control Technician.
- Notify Gas Operations Dispatch to send GFR personnel.
- Contact Spectra Energy/Westcoast Energy to shut down the pipeline from the Canadian side if requested.
- Document all pertinent information in the Gas Controllers Log.

#### Gas Operations Dispatch will

- Dispatch GFR personnel as needed to assist Pressure Control.
- Start an emergency report and track response to the incident.
- Provide emergency notifications per the matrix.
- Respond to additional requests for equipment or field personnel as needed.

#### Pressure Control and GFR field responders will

- Investigate the odor per the appropriate Operating Standards and Field Procedures.
- Document the investigation as required.

#### <u>Locate Requests / Emergency Locate Requests</u>

If emergency locate requests are received by plant personnel they will

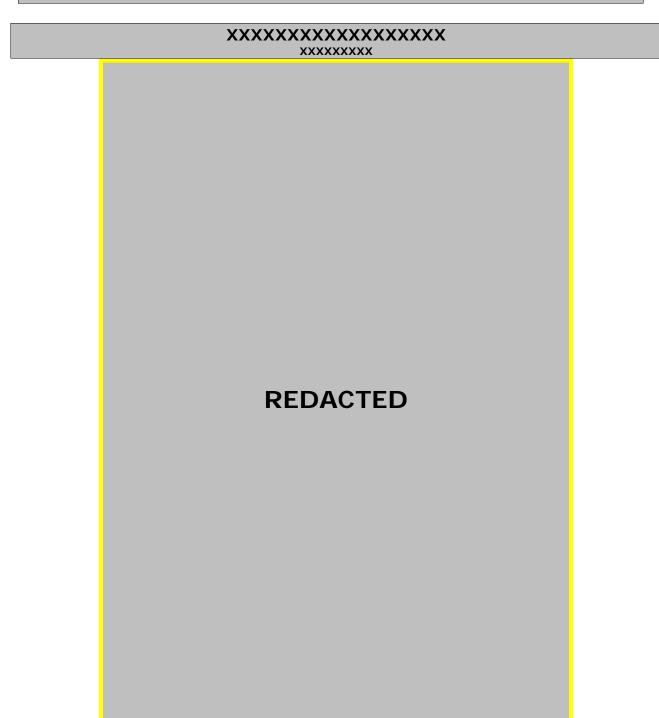
- Take the appropriate information from the caller.
- Instruct the caller to call 811 to make a request for locates through the one-call system.
- Call Gas Operations Dispatch at XXXXXXX or XXXXXXXXXXX.

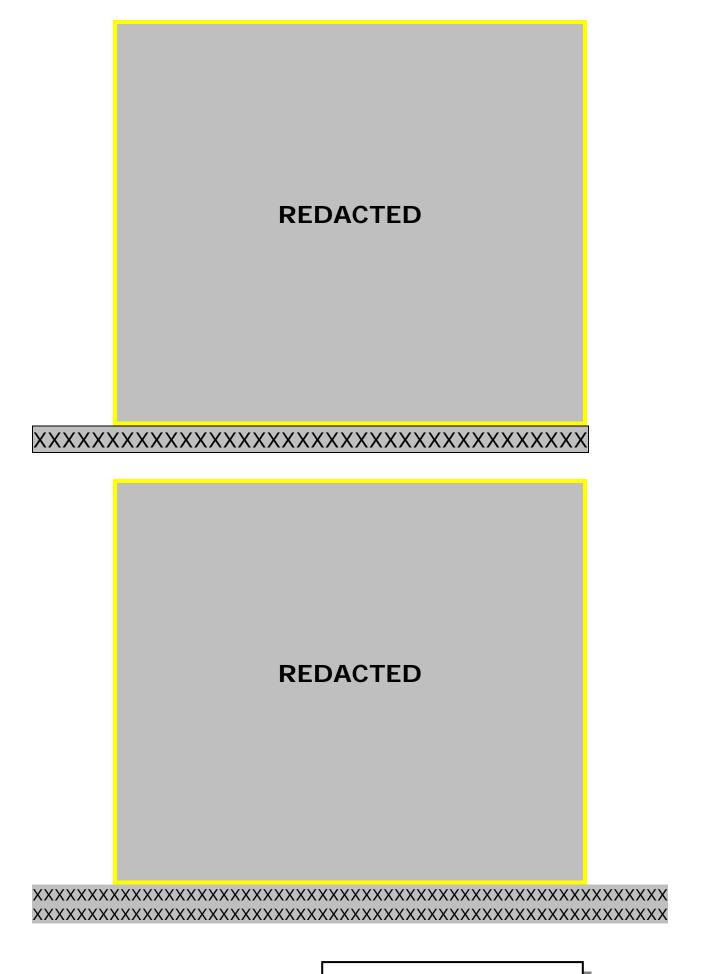
#### The Dispatcher will

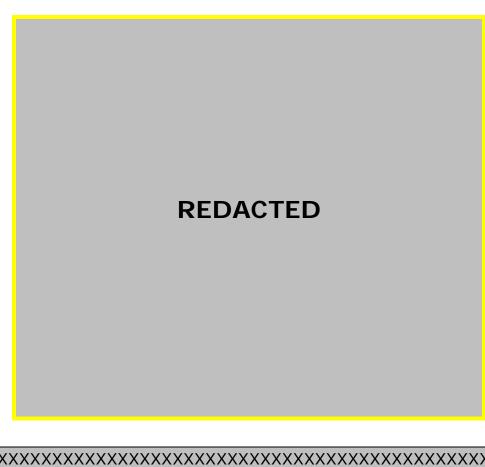
• Dispatch the appropriate personnel to provide locates as requested.

#### **Emergency Shutdown of Pipeline**

Normal operation of the border regulator station feeding the pipeline includes overpressure and underpressure protection. In the event of overpressure or underpressure, valve XXXXX is operated automatically via the pneumatic actuator to shut down flow to the pipeline.









#### **REDACTED**



# **REDACTED REDACTED**

#### Maps of Distribution and Supply System

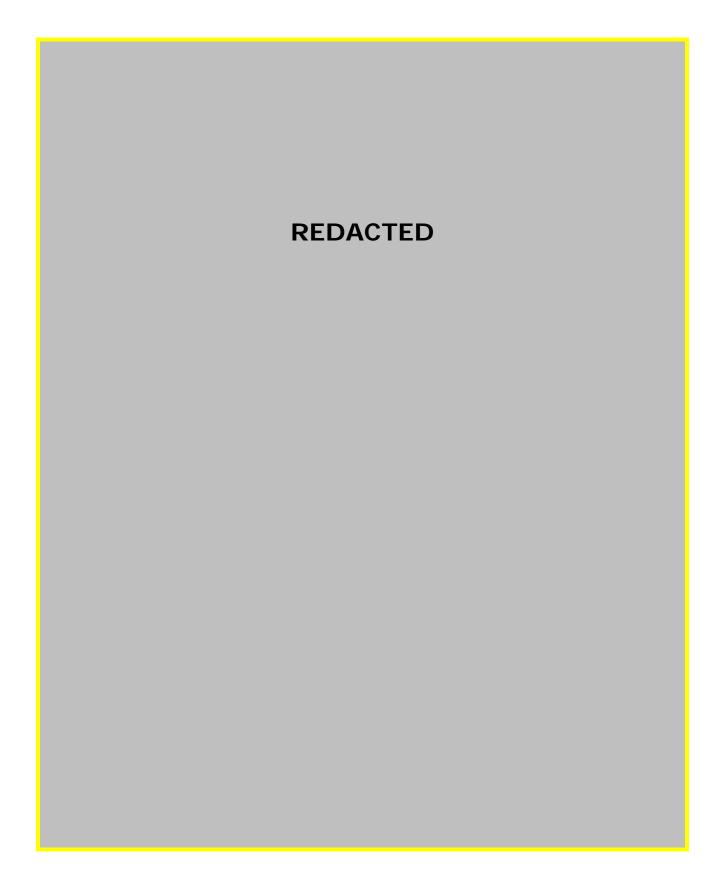
The maps for this area follow the standard numeric system, however, since they are well north of the rest of our service territory, the numbers are unusual.

#### See the following OP (Operations) maps:

000.074 -04.074

#### See the following plat maps

000.075 – Cogeneration Plant 000.076 000.077 000.078 000.079 001.075 001.076 -01.079 -02.080 – Border Regulator Station



#### Roles and Responsibilities of the Service Providers

Infrasource Contractors (IFS) responds to breaks at the request of PSE Gas Dispatch.

#### **Backhoe**

PSE does not maintain a backhoe at the Sumas facility.

In the case of an emergency where a backhoe is required on site Infrasource Contractors (IFS) will be notified by Gas Operations Dispatch.

#### **Material**

PSE maintains materials at the Sumas Generating Station, which will be used as needed in case of a gas emergency (see Material and Tool List Available at the Facility, page #).

#### 1. Materials and Equipment Available at the Generating Station Site

- Hand and Power Tools
- Radios
- Oxygen, Lower Explosive Limit (LEL), and Hydrocarbon Monitors
- Assorted First-Aid, Safety, and Personal Protective Equipment

# Materials and Equipment Available at the Border Tie-in Station 8" Pretested Straight Pipe (40' length & 1,200 psi)

#### 3. Materials and Equipment Available from IFS Contractors Inc.,

#### Pickups, Trucks, and Trailers

#### **Dozers and Loaders**

Dozers, loaders, sideboom

#### **Cranes and Excavators**

Backhoes, excavators, cranes, trenchers, backhoes with pavement breakers

Welding and Tapping Equipment

Arc and gas welding equipment, tapping machines, beveling machines, fusion equipment

#### Air Equipment

Compressors, pavement breakers, impact tools, tampers.

#### Miscellaneous Boring Equipment and Rock Saws

Hole hogs, moles, directional drilling equipment, rock/concrete saws.

#### **Compactors and Rollers**

Compactors and rollers

#### Manhole and Trench Shields

Shoring, plates, mud mats

#### Miscellaneous Equipment and Tools

Generators, lights, pumps, pipe threaders, heaters, hoists, jacks, holiday detectors, pipe benders

#### **Additional Equipment and Tools**

Lineup clamps, barricades, traffic cones, saws, drills

# **Toledo**

## **EMERGENCY RESPONSE PLAN**

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# EMERGENCY RESPONSE PLAN **Toledo**

#### How Toledo will be served

#### Regular business hours:

During regular business hours we will utilize employees who are working in Toledo. This could include Gas First Response, SC&P, or Infrasource Contractors (IFS) personnel.

#### **After Hours:**

We have identified those gas employees that live in close proximity to Toledo. Outside of normal business hours Dispatch will first contact the GFR staff that live near Toledo. If that fails, Dispatch will move the closest GFR personnel to the problem per the Standard Call-Out process. In the case where GFR personnel are unavailable, Dispatch will contact SC&P staff trained for First Response.

#### Floods:

Lewis County has had numerous 100-year floods in past years; this area is prone to flooding. This area may be closed to any traffic except for emergency vehicles and local traffic. In the past I-5 has been shut down. During flooding, the best way to get there may be through Littlerock or Bucoda. The City of Centralia and Chehalis as well as Lewis Co. has historically informed PSE of any wash outs or any other problems we may need to be aware of. PSE may need to isolate areas of the gas system during flooding.

#### **Alternative Access:**

#### **PSE** STAFF WHO WORK IN TOLEDO

#### **PSE STAFF WHO LIVE NEAR TOLEDO**

XXXXXXXXXXX Gas

Centralia, WA 98531

XXXXXXXXXX (Gas)

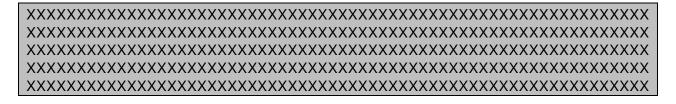
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Centralia, WA 98531

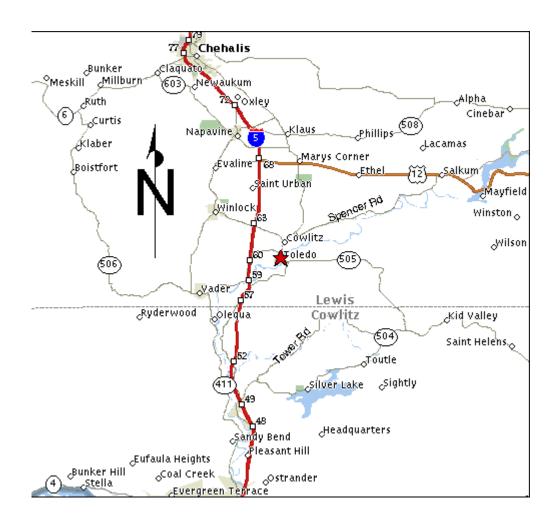
**XXXXXXXXXX** Gas GFR Supervisor, Olympia Office XXXXXXXXXXXXXXXX

Pager: XXXXXXXXXXXXX

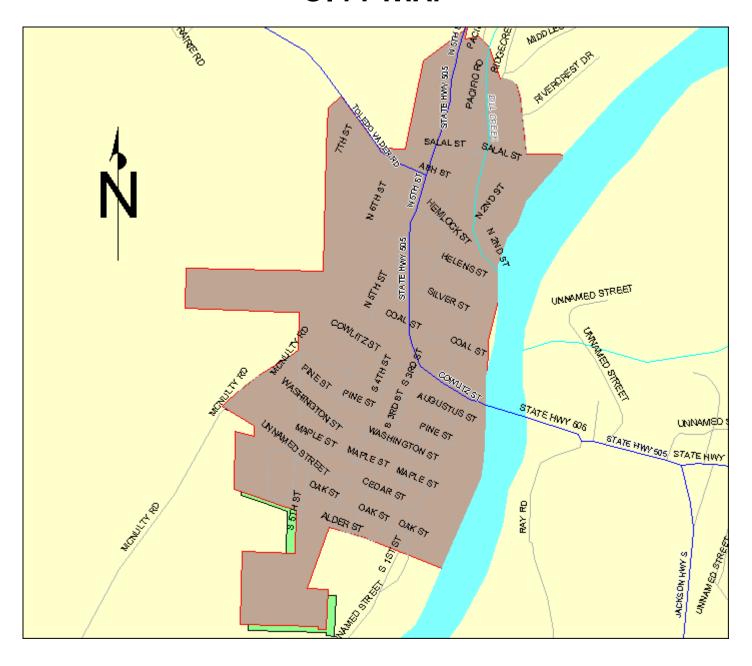
# **DIRECTIONS** (From Olympia)



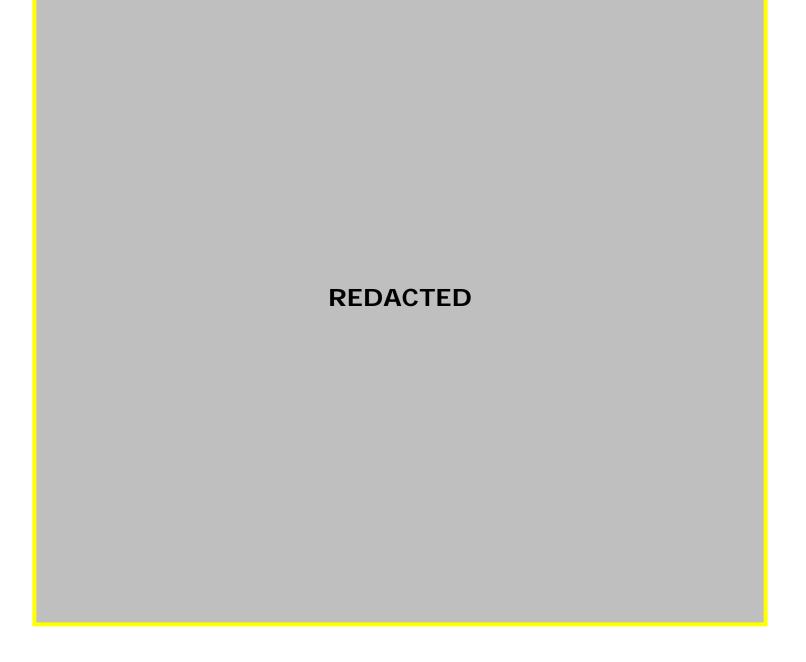
# Total Estimated Driving Time from Olympia: 54 minutes Total Distance: 48.36 miles



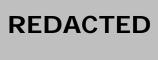
### CITY MAP



### **OPERATIONS MAP KEY**



## PLAT MAP KEY



# ROLES AND RESPONSIBILITIES OF THE SERVICE PROVIDERS

Infrasource Contractors (IFS) performs the installation of new customer construction on both residential and commercial gas services. They perform gas system upgrades and replacements, as well as, gas system operation and maintenance. In addition, Infrasource Contractors (IFS) responds to breaks at the request of PSE Gas Dispatch.

# **Vashon Island**

### **EMERGENCY RESPONSE PLAN**

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## **EMERGENCY RESPONSE PLAN**

### Vashon Island

#### How Vashon will be served

#### Regular business hours:

During regular business hours we will utilize employees who are working on the Island. This could include Gas First Response personnel, SC&P, or Infrasource Contractors (IFS)

Personnel assigned to work on the island on a day to day basis will notify dispatch when they arrive on and leave the island.

#### **After Hours:**

PSE has one Electric employee who lives on the Island. PSE has also identified those gas employees that live near the ferry terminals at Fauntleroy, Southworth and Tacoma. Outside of normal business hours we will contact the Gas First Response employees living closest to the ferry terminals. If this fails, we will dispatch the First Responders per the standard callout process that moves the closest GFR personnel to the event.

#### Ferry Service after Hours:

#### **Alternative Access:**

If access by conventional means is unavailable, you may be able to deliver personnel and materials to Vashon Island area by helicopter. The System Manager at XXXXX, XXXXXXXXXXX or XXXXXXXXXXX on duty should be called to arrange helicopter support.

#### **PSE** STAFF WHO RESIDE ON THE ISLAND

XXXXXXXXXXX	XX

PSE Cell XXXXXXXXXXXX

XXXXXXXXXXXXXX

XXXXXXXXXXXX

Vashon, WA 98070

PSE Cell XXXXXXXXXXXXXX

**PSE** STAFF WHO WORK ON THE I SLAND

XXXXXXXXXXXXXXX

PSE Cell XXXXXXXXXXXXX

XXXXXXXXXXXXXXX

XXXXXXXXXXXX

Vashon, WA 98070

PSE Cell XXXXXXXXXXXXXX

#### **PSE STAFF WHO LIVE NEAR A FERRY TERMINAL**

#### **Fauntleroy**

Georgetown/SKC personnel close to the **Fauntleroy Ferry Terminal**:

XXXXXXXXXXXXXXX	1 <sup>st</sup> Response CFS	XXXXXXXXXXXX
XXXXXXXXXXX	System Technician	XXXXXXXXXXX
XXXXXXX	1st Response CFS	XXXXXXXXXXXX
XXXXXXXX	1st Response CFS	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

#### Southworth

XXXXXXXXXXXXX	System Technician	XXXXXXXXXXXX
XXXXXXXXXX	System Technician	XXXXXXXXXXXXXXXXXXXX

#### <u>Tacoma</u> - Tahlaquah (Pt. Defiance)

XXXXXXXXXXX	System Technician	XXXXXXXXXXXX
XXXXXXXXXXX	Pressure Control	XXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXX	1 <sup>st</sup> Response CFS	XXXXXXXXXXXXX

#### PSE STAFF WHO LIVE IN KITSAP COUNTY WITHIN DRIVING DISTANCE TO VASHON

XXXXXXXXXXX	1 <sup>st</sup> Response CFS	XXXXXXXXXXXX
XXXXXXXXXXX	1 <sup>st</sup> Response CFS	XXXXXXXXXXXXXXXXXX

#### **FACILITIES**

Puget Sound Energy's Vashon Service Center office is located just south of the town of Vashon on the main Highway.

#### <u>Address</u>

#### 

The building site sits back off the highway about 100 yards and is somewhat secluded.

#### Map and Driving Directions to Facility

The building sets back off the highway about 100 yards and is hard to see from the road.

You will need an authorized security access card to enter the facility.

#### **Hours of Operation**

The Vashon Service Center hours of operation are between 9:00 a.m. to 4:00 p.m., Monday through Friday. The service center is closed on all company recognized holidays.

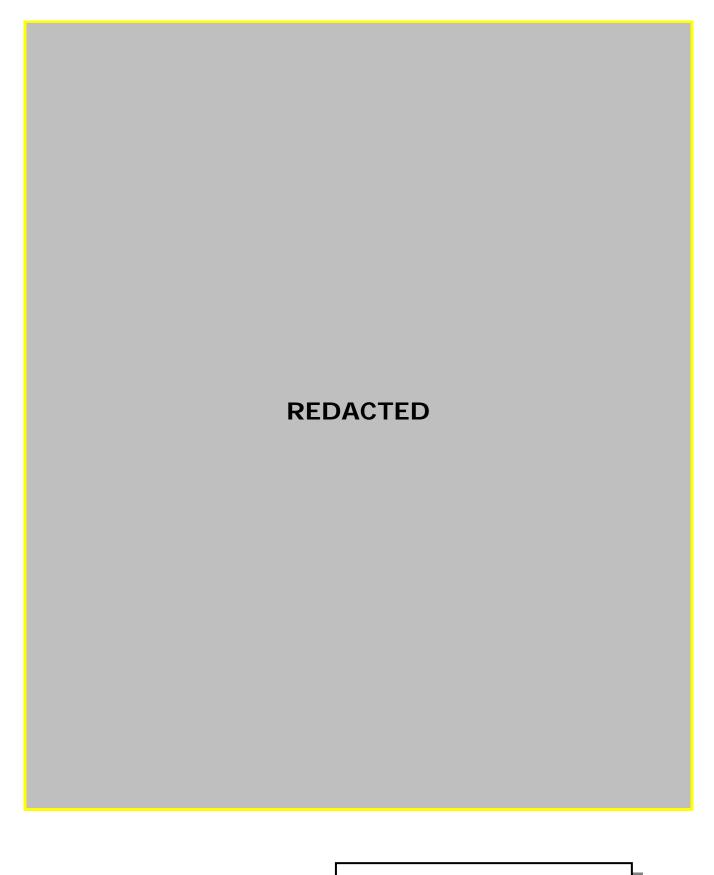
#### **Gate Access**

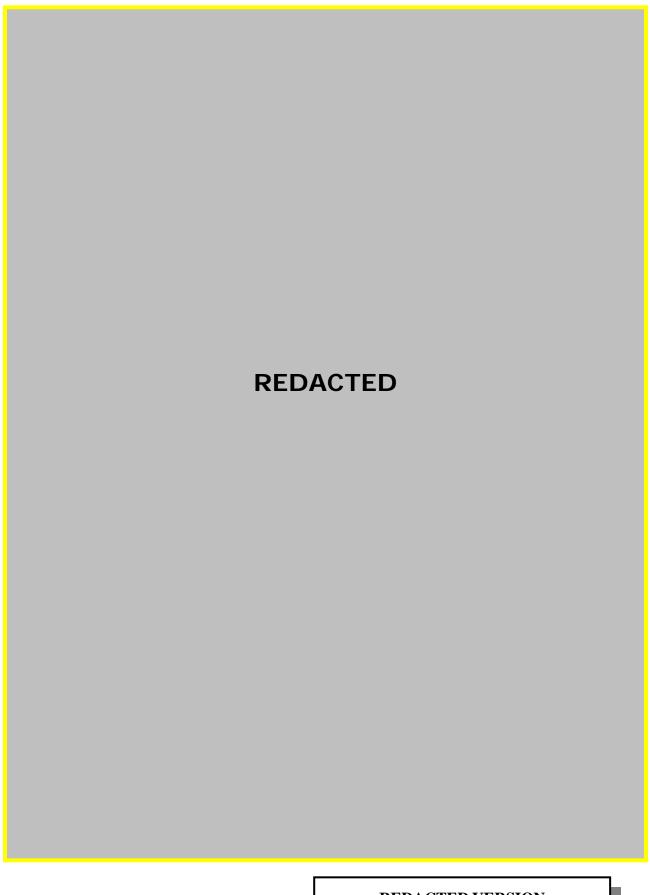
The gate for facility access is key card controlled. The card reader pedestal is on the left-hand side of gate entrance. To open gate personnel must have an authorized security access card. All First Response personnel that may be called upon for response to the Island have received the necessary key card clearance.

#### **Material**

We will maintain a trailer at our Vashon facility, which will be used to carry materials needed in case of a gas emergency (see Material and Tool List Available at the Facility, page 14).

During emergencies this trailer will be picked up by the first PSE employee to respond, which may not necessarily be a gas employee.





#### **FERRY PROCEDURE**

#### WASHINGTON STATE FERRY SYSTEM (WSF)

Adopted 12-22-98 Reviewed 06/02/06

<u>Current information</u>: www.wsdot.wa.gov/ferries/schedules/current <u>PRIORITY LOADING PROCEDURE - GAS EMERGENCY</u>

This procedure addresses gas emergencies only.

There are no hard and fast rules relating to who qualifies for priority loading of utility vehicles on ferry routes. The WSF Operations Watch Supervisor is the key contact person to arrange priority loading and will make the ultimate decision whether or not to approve such a request.

In order to reduce the possibility for abusing the system for personal benefit, the Operations Watch Supervisor will only accept loading requests from PSE's Gas Operations Dispatchers. Employees will not be able to arrange their own priority loading with the dock attendants.

The procedures to be followed are:

• The Gas Operations Dispatcher has the responsibility to **determine if the emergency in question requires an immediate response** necessitating priority loading on a Washington State ferry.

NOTE: In general, events such as broken and blowing lines, Class A leaks, inside odors, and possible CO poisoning would meet this test. There may be other valid emergencies such as employee injuries or vehicle accidents, but these can adequately be covered by local emergency responders and probably don't require special loading of PSE personnel. The WSF Operations Watch Supervisor will rely on our Dispatchers to make proper judgments.

- If the emergency meets this test, the dispatcher shall **contact the WSF Operations**Watch Supervisor. Call XXXXXXXXXX
- Provide the following information.

Name and contact number of Gas Operations Dispatcher calling Type of gas emergency necessitating priority boarding Ferry route affected Number and type of vehicles requiring priority loading Estimated arrival time of vehicles at terminal

• Dispatcher shall **obtain** the following **information** from the WSF Operations Watch Supervisor. **Record the information** on the Emergency Report form. **Communicate approval information** to vehicles involved.

Name of Operations Watch Supervisor Date and time of request for priority loading Confirmation of approval of PSE's request

- The **Operations Watch Supervisor will contact the dock attendant** at the affected terminal and communicate the information.
- If difficulties arise at the terminal, the dock attendant should be asked to contact the Operations Watch Supervisor. PSE's Dispatcher may also call as well to confirm the previously agreed to arrangements. In no case shall PSE employees at the dock engage in arguments regarding loading. All such difficulties, especially those resulting in a delayed response, shall be recorded on the Emergency Report form.

#### **DRIVING DIRECTIONS TO FERRY TERMINALS**

#### Southworth Terminal 11564 SE State Hwy 160 Southworth, WA 98386

#### **Coming from the South:**

- > Take I-5 North
- Take exit 132 and proceed West on Hwy 16 approximately 35 miles to Hwy 160 exit
- > Take **Hwy 160 (Sedgwick road)** exit
- > Turn Right onto Hwy 160 at stop sign and proceed approximately 7 miles to yet another stop sign
- > Turn right; ferry dock straight ahead.

#### **Coming from the North:**

- > Take I-5 South
- ➤ Take the WA-16 West/SO 38<sup>th</sup> ST exit, exit #132, towards Gig Harbor/Bremerton.
- > Keep **Right** at the fork in the ramp
- Merge onto WA-16 W
- > Take Mullenix Road exit
- > Turn Right onto SE Mullenix Road
- > Turn Left onto Olalla Valley Rd SE
- > Turn Left onto Banner Rd SE
- > Turn Right onto Sedgwick Rd SE/WA-160
- Turn Right onto SE Southworth DR/WA-160
- > Turn Left onto Rocky RD SE
- You're there!



#### Fauntleroy Terminal 4829 SW Barton

#### Seattle, WA 98136

#### **Coming from the South:**

- > Take I-5 North
- Take the WA-599 North exit, exit number 156, towards Tukwila/W. Marginal Way
- Merge onto WA-599 N
- > Take WA-99 N
- > Take the **Des Moines Dr./14<sup>th</sup> Ave SO** exit
- > Keep Right at the fork in the ramp
- > Turn Left onto 14th Ave S
- > Turn Left onto S Cloverdale St
- > S Cloverdale St becomes 1st AVE S
- > Turn sight right onto Olson PL SW
- Turn slight Right onto SW Roxbury St
- > Turn Right onto 35th AVE SW
- Turn Left onto SW Barton ST
- > Turn Left onto California AVE SW
- > California AVE SW becomes SW Brace Point DR
- Turn slight Right onto SW Wildwood PL
- Turn Right onto Fauntleroy Way SW
- Turn Left onto SW Barton ST

#### **Coming from the North:**

- Merge onto I-5 S
- > Take the W SEATTLE FWY/COLUMBIAN WAY exit, exit number 163A.
- Keep RIGHT at the fork in the ramp
- ➤ Merge onto W SEATTLE BRIDGE
- > Stay straight to go onto FAUNTLEROY WAY SW
- > Turn RIGHT onto SW BARTON



#### Pt. Defiance / Tahleguah Terminal

# 5810 N. Pearl St. Tacoma WA 98405

#### **Coming from the South:**

- ➤ Merge onto I-5 N
- ➤ Take the SO. 38 ST. exit exit number 132 toward GIG HARBOR WA-16/BREMERTON
- Take the S 38 ST WEST ramp toward GIG HARBOR/WA-16 W/ BREMERTON/TACOMA MALL
- > Keep **left** at the fork in the ramp
- > Merge onto WA-16 W
- > Take the 6<sup>th</sup> AVE exit toward WA-163
- > Turn **LEFT** onto **6**<sup>th</sup> **AVE**
- > Turn RIGHT onto N PEARL ST
- Stay straight to go onto N PEARL ST/WA-163

#### **Coming from the North:**

- ➤ Merge onto I-5 S.
- ➤ Take the WA-16 W/SO. 38 ST. exit- exit number 132- towards GIG HARBOR/BREMERTON
- > Keep **RIGHT** at the fork in the ramp
- Merge onto WA-16 W
- > Take the 6th AVE exit toward WA-163
- > Turn LEFT onto 6th AVE
- > Turn RIGHT onto N PEARL ST
- > Stay straight to go onto N PEARL ST/WA-163



# ROLES AND RESPONSIBILITIES OF THE SERVICE PROVIDERS

Infrasource Contractors (IFS) performs the installation of new customer construction on both residential and commercial gas services. They perform gas system upgrades and replacements, as well as, gas system operation and maintenance. In addition, Infrasource Contractors (IFS) responds to breaks at the request of PSE Gas Dispatch.

Infrasource Contractors (IFS) notifies Gas Dispatch when they get on the ferry going to the island and again when they are leaving the island.

#### MATERIAL AND TOOL LIST AVAILABLE AT THE FACILITY

#### Vashon Reserve Emergency Supply Parts and Equipment

#### Weld Equipment

#### Equipment store on the trailer at PSE's facility

#### **Squeeze Tools:**

4" and 6" PE Squeeze Machines and Hydraulic pump Small steel squeeze machine Large steel squeeze machine

#### Valve keys:

One standard
One long (8' or better)

#### Leak Clamps:

Full circle clamps - 2" by 12" long - two Full circle clamps - 4" by 12" long - two Full circle clamps - 6" by 12" long - two

Band clamps - 1/2", 3/4", 1", 1 1/4", 2", 4" and 6"

#### **Shoring:**

Two 24" spreaders and two - 4 X 4' sheets of board 12' ladder

#### Incidental equipment:

Wood plugs – variety of sizes Environmental Packs (two) Fire Extinguisher

# AGREEMENT BETWEEN PSE AND VASHON FIRE DEPARTMENT

PSE Operations personnel initially met with the Vashon Fire department on December 17, 2001. As a result, the guidelines below were agreed to by both the Vashon Fire Department (VFD) and Puget Sound Energy.

Since that time, PSE has provided Emergency Responder Training every couple of years at the VFD Training facility. In addition, VFD personnel are invited to attend the same program at our PSE training sites in Tacoma and Georgetown annually. Also, our PI Inspector for Vashon visits the VFD facility occasionally throughout the year.

Response Coordination is discussed at each of these training sessions and meetings.

#### **PSE Operations**

#### Communication with the Beachcomber

PSE is communicating with the Beachcomber and will continue to stay in touch with them.

#### Emergency Center

#### > Open House

#### Natural Gas Training

PSE provides natural gas emergency training, our contact is:

#### Road Closed Signs:

PSE has 12 plastic barricades at our Vashon Facility, located next to the Oxygen/ Acetylene storage rack (see attached diagram).

The Fire Department can gain access by using the Knox box.

#### Direct Communication With Dispatch

Our dispatch numbers are:

#### **ELECTRIC**-

Fire and police hit line for direct access to Electric Dispatch XXXXXXXXXXX

XXXXXXXXXXXX - Use this number to gain record information

#### **GAS**

Fire & Police hot line for direct access to Gas Dispatch

Use this number to gain record information from Gas Dispatch

XXXXXXXXXX

#### Vashon Response Time

PSE's goal is to meet or exceed the 55-minute SQI (Service Quality Index) agreed to with the WUTC.

#### Annual Valve Surveys

PSE's Gas First Response PI (Public Improvement) Inspector will meet with the Vashon Fire Department annually. They will provide an updated service valve list and review the completed service valve survey results with the chief and his staff.

#### > Tools & Material

We will review the number of valve keys and wooden plugs they presently are equipped with, re-supply where needed.

# **Winlock**

## **EMERGENCY RESPONSE PLAN**

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# EMERGENCY RESPONSE PLAN Winlock

#### How Winlock will be served

#### Regular business hours:

During regular business hours we will utilize employees who are working in Winlock. This could include Gas First Response, SC&P, or Pilchuck personnel.

#### **After Hours:**

Puget Sound Energy has identified those gas employees that live in close proximity to Winlock. Dispatch will first contact the GFR staff that live near Winlock. If that fails, Dispatch will move the closest GFR personnel to the problem per the Standard Call-Out process. In the case were GFR personnel is unavailable, Dispatch will contact SC&P staff trained for First Response.

#### Floods:

Lewis County has had numerous 100-year floods in the past several years; this area is prone to flooding. This area may be closed to any traffic except for emergency vehicles and local traffic. In the past I-5 has been shut down. During flooding, the best way to get there may be through Littlerock or Bucoda. The City of Centralia and Chehalis as well as Lewis Co. has historically informed PSE of any wash outs or any other problems we may need to be aware of. PSE may need to isolate areas of the gas system during flooding.

#### **Alternative Access:**

#### **PSE STAFF WHO WORK IN WINLOCK**

#### **PSE STAFF WHO LIVE NEAR WINLOCK**

XXXXXXXX

Centralia, WA 98531

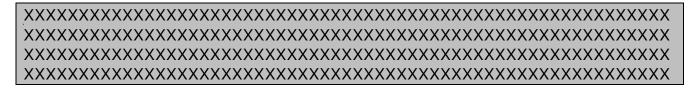
Pager: XXXXXXXXXXX

XXXXXXXXXX Gas

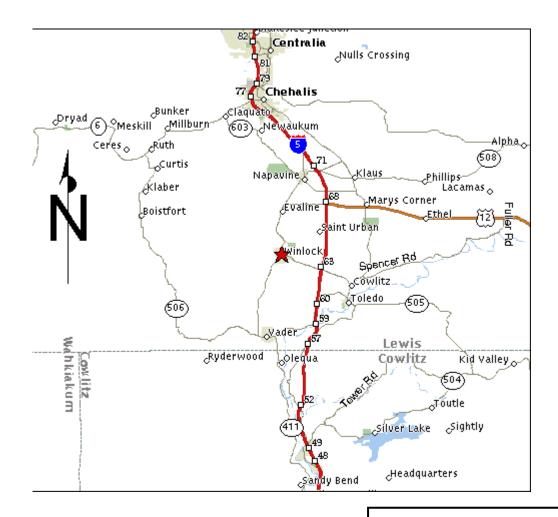
XXXXXXXXXXX

XXXXXXXXXX Gas GFR Supervisor, Olympia Office

# **Directions** (From Olympia)

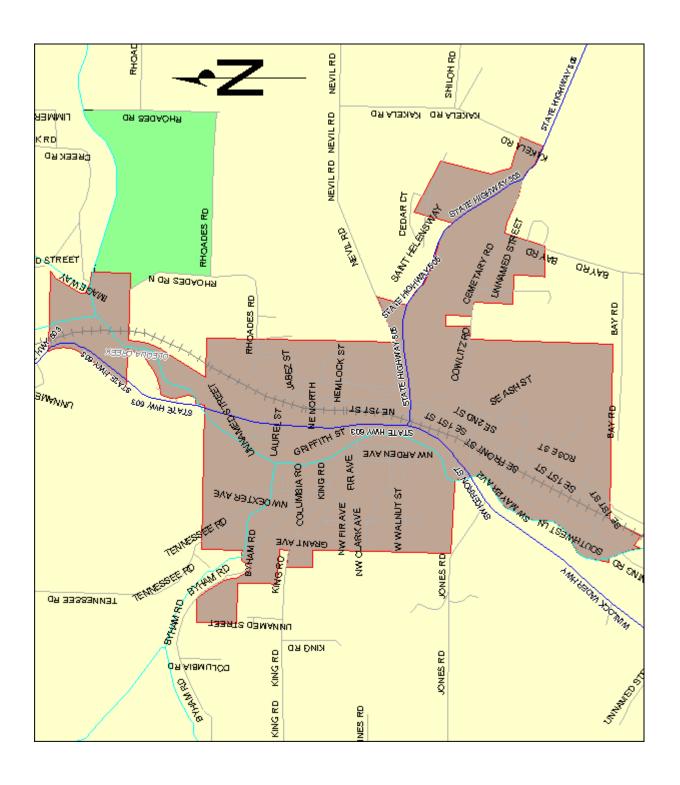


Total Estimated Driving Time from Olympia: 32 minutes
Total Distance: 30.71 miles

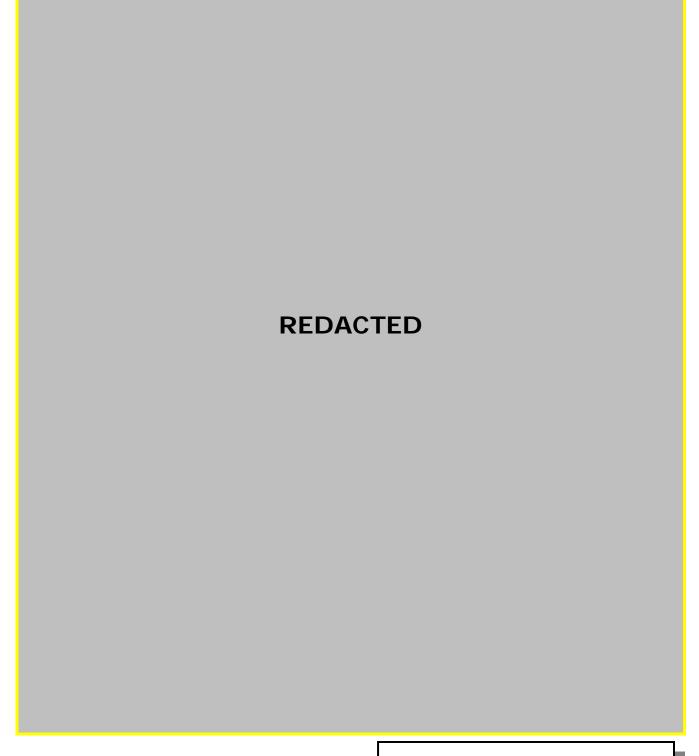


# CITY MAP

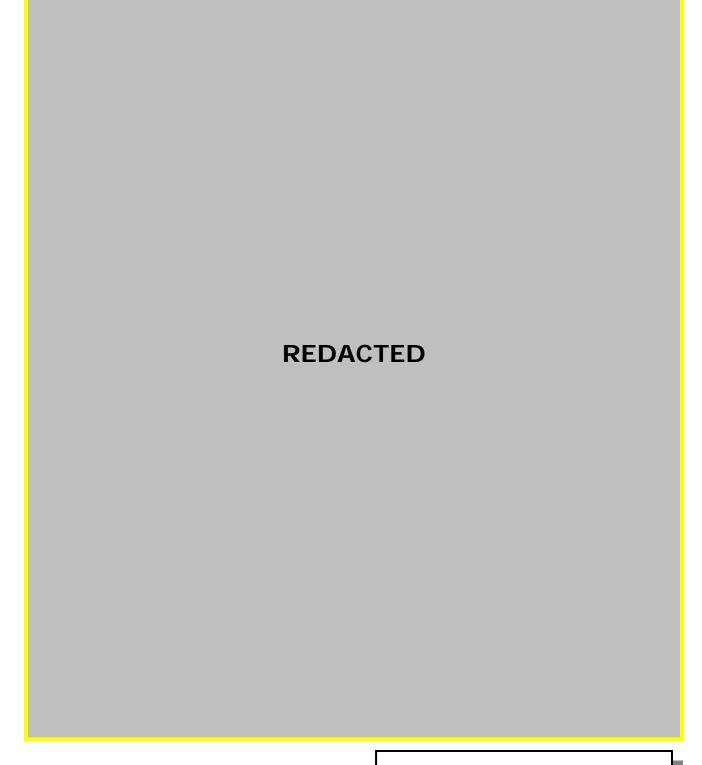
### Winlock



# **OPERATIONS MAP KEY**



# PLAT MAP KEY



# ROLES AND RESPONSIBILITIES OF THE SERVICE PROVIDERS

Infrasource Contractors (IFS) performs the installation of new customer construction on both residential and commercial gas services. They perform gas system upgrades and replacements, as well as, gas system operation and maintenance. In addition, (IFS) responds to breaks at the request of PSE Gas Dispatch.