

Joint Chambers of Commerce Emergency Preparedness Symposium

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PUGET SOUND ENERGY
The Energy To Do Great Things

Agenda

- PSE in the Valley
- Planning coordination
- Our goals
- How is PSE preparing for a flood event?
- Restoring service after a flood
- Our commitment to you

Kent 1946 (Before Howard Hanson Dam)

Right: Puget Power meter reader Charles Lindberg has a look at Mrs. William White's new meter, January, 1955.



Far right: Puget Power linemen had to patrol the distribution system by boat during the December, 1946, flood that inundated the Renton-Kent valley. Note the sagging of poles caused by houses swept away by flood water, pulling wires with them.

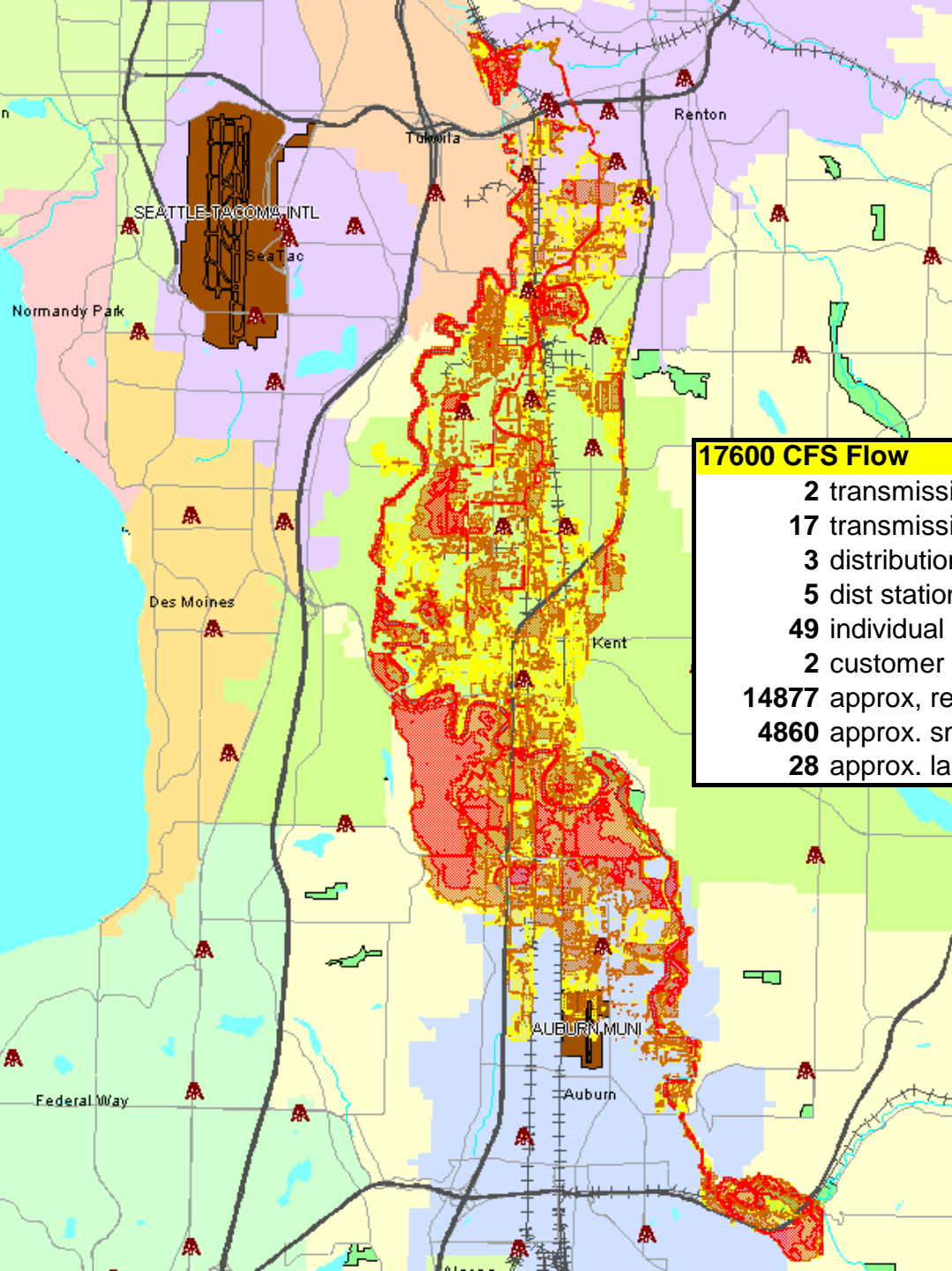


PSE in the Valley

- Major facilities and critical infrastructure
 - South King Service Center - 200 employees
 - Substations (O'Brien and Christopher)

- Major customers
 - King County Metro, Boeing, Mikron, Valley Medical Center, Olympic Pipeline, Auburn Regional Hospital, Kent Regional Justice Center, Qwest Data Center

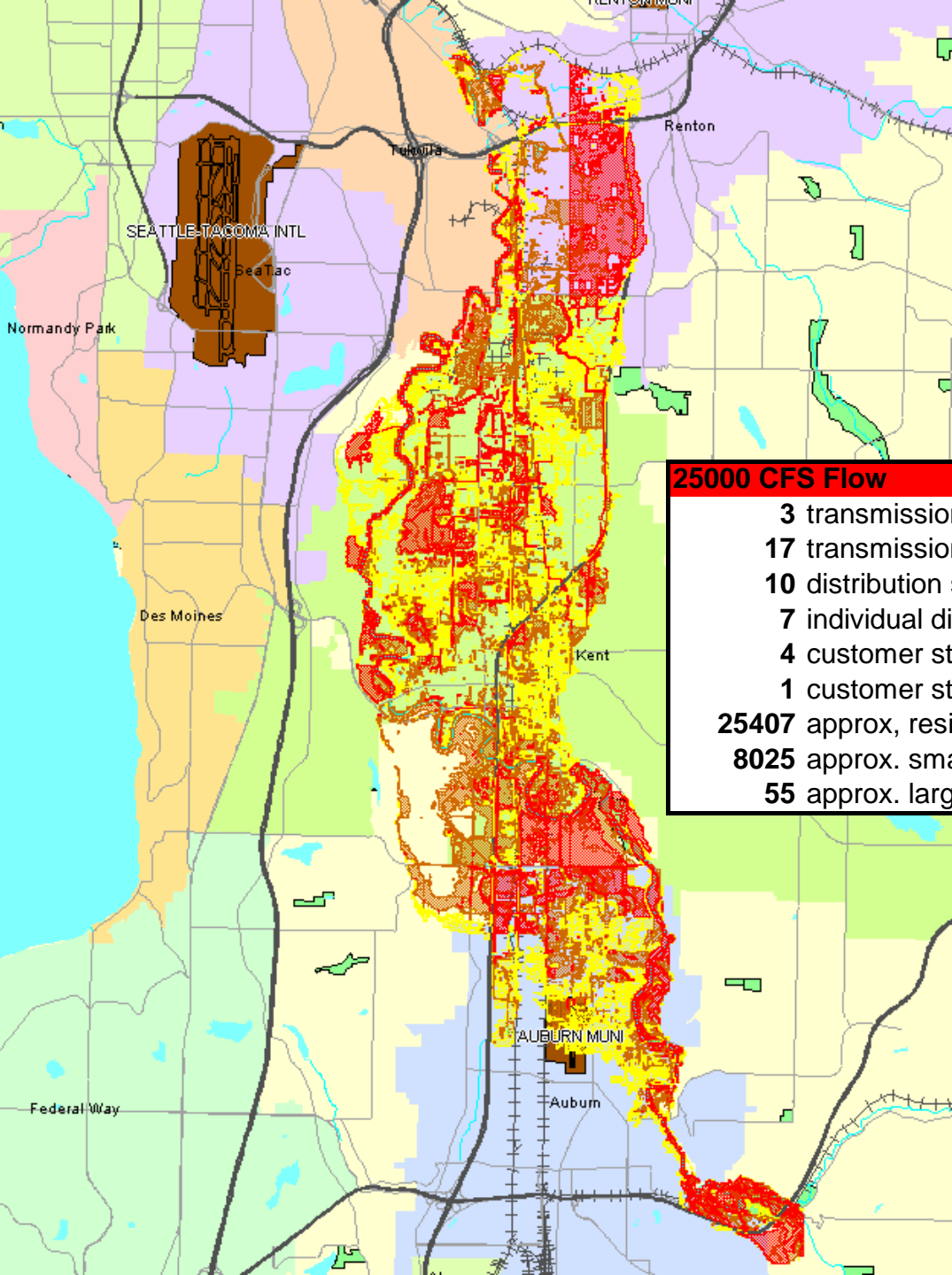
Predicted impact



17600 CFS Flow

- 2 transmission stations surrounded by water (Christopher, OBrien)
- 17 transmission lines
- 3 distribution stations
- 5 dist stations surrounded by water
- 49 individual dist circuits
- 2 customer stations surrounded (LIQ, BAS)
- 14877 approx, residential customers
- 4860 approx. small commercial customers
- 28 approx. large commercial industrial customers

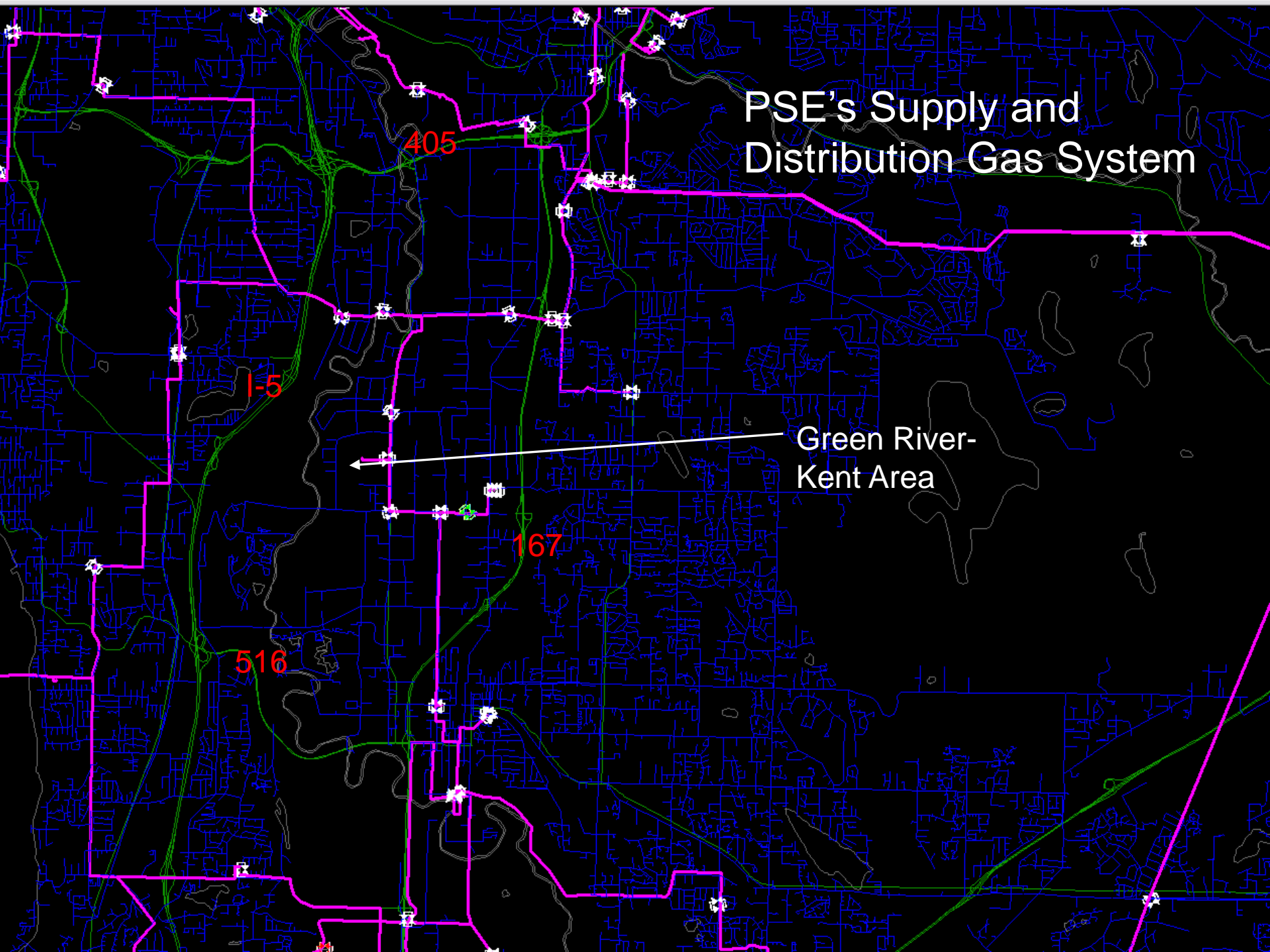
Predicted impact



25000 CFS Flow

- 3 transmission stations (Christopher, OBrien, Nelson Cable Station)
- 17 transmission lines
- 10 distribution stations
- 7 individual dist circuits - still need to be indentified
- 4 customer stations (BAS, BLG, LIQ, ORE)
- 1 customer stations surrounded (Metro-Renton)
- 25407 approx, residential customers
- 8025 approx. small commercial customers
- 55 approx. large commercial industrial customers

PSE's Supply and Distribution Gas System



Green River-Kent Area

405

I-5

167

516

Planning coordination

- Coordinating with the Corps and local jurisdictions
- Participating in Green River Flood Planning Group, local community meetings and presentations
- Using same planning assumptions as King County and other affected jurisdictions

Our customer service goals



- During a flood event
 - Leave power on and natural gas flowing as long as possible
- Post flood
 - Restore service as quickly as possible

PSE's first commitment is to ensure public and employee safety

How is PSE preparing?

- Evaluating our system options
- Surveying key system points in potential flood areas
- Purchasing and storing extra equipment
- Communicating with cities and customers

Our plan is to limit service outages to the affected area

Restoring service after a flood

- Restoration can only begin after:
 - Recession of flood water
 - Evaluation of environmental conditions determines it is safe to proceed
 - Energy system and customer premise rehabilitation / inspections are complete
- Natural gas – “boots on the ground”
 - Meter by meter, relighting pilot lights
- Electricity
 - Repair damage, steps to safely re-energize equipment



Our commitment to you



- Continued communication pre-, during and post-flood events
 - Direct and regular communication with cities and customers in the Valley
 - PSE will have representatives at the King County Emergency Coordination Center during a flood event
 - PSE.com
- Work until the lights are back on and natural gas is flowing