

## Queen Anne Sequence of Planned & Unplanned Outages (September 10 - 27, 2009)

	Outage Date/Time	Location	Planned / Unplanned	Feeders Affected	# Customers	Reason for Outage	Time of Outage	Time of Restoration	Duration Time	Feeder In Service	Repair Made to Failure	Significant Events
1	9/10 Thursday	N: W Raye St S: W Highland Dr E: 7 Ave W W: 8 Ave W	Planned	Lateral Off of Feeder 2652	145 (47 not notified)	Pole/Transformer Replacement (7th Ave W Alley & W. McGraw St)	9:30-12:30p	12:30p	3 hrs	Y	Y	*Missed notifying 47 customers. *Did complete Work. *Updating of all the feeder maps will be completed by mid-Nov, 2009. *Updating of customer data and map information by 9/30/2010 - Pending 2010 budget approval.
2	9/16 Wednesday	N: W Barrett St S: Harrison E: 2nd Ave N W: 11th Ave W	Unplanned (@5th & Mercer area)	2652 / 2601 / 26C209	6,656 (Holland America 1st outage)	Splice Failure (5th Ave N & Mercer St)	1p - 2:15p	2:15p	1 hr 15 mins	Y (By alternate feeds)	N (Rerouting Power)	*1st SYSTEM HOLE. *Couldn't enter energized vault. *Required rerouting power in vault. *Repair not done - Must schedule outage w/customers. *Alternate feed & power rerouting left in place. *The 9/10 customers (145) affected again.
3	9/26 Saturday	Seattle Center	Planned (to repair 2652 splice)	2652 / 2607	335	To fix Splice Failure from 9/16 (Broad St. North of Thomas St)	12a - 6:30a	6:30am	6 hrs 30 mins	N (Need to complete proof test - by alternate feeds)	Y (Rerouting Power)	*335 customers were not affected by previous outages.
4	9/26 Saturday	Seattle Center & Queen Anne Areas	Unplanned 2601 relayed out (was picking up all load from 2652 still out)	2652 / 2601/ 2659	11,795 (Holland America 2nd outage)	600 Amp J-Box (5th & Denny Wy)	9:10a	12:43p	3 hrs 33 mins	Y (By alternate feeds)	N (Rerouting Power)	*2nd SYSTEM HOLE. *Evaluating appropriate repair. *Taking planned outage on 10/26 for further testing.
5	9/27 Sunday	8th & W Galer	Unplanned 2601 relayed out. Switch failed - All 2659 dumped	2652 / 2601 / 2659	10,003 (Holland America 3rd outage)	Direct buried underground 1,100ft aluminum cable & switch 812 W Galer	9:15p	4:47a	7 hrs 32 mins	Y (By alternate feeds)	N (Rerouting Power)	*3rd SYSTEM HOLE. *At 3rd step restoration, an older switch failed. Had to dump feeder 2659 completely @ the station. *Additional businesses out @Elliott due to 2659. *Closed switch in dead condition. *Closed @Sub to start restoration process. *Rerouted around switch 2659 onto step restoration. *Repairing & replacing failed cable. *Expected in service date is end of December 2009. *Cleared 1st SYSTEM HOLE by repairing Splice Failure on feeder 2652.