

**2021 Qualifying Events Report**

June 26, 2021 Event

Filed on

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### Event Description

#### Event Date and Time

Start: 6/26/2021, 00:00

End: 6/29/2021, 23:59

#### Event Type

Extreme and prolonged heat waves

#### Service Areas Significantly Affected

Whatcom, Skagit, Island, King, Pierce, Thurston, Kittitas, and Kitsap Counties

#### Number of Customers Affected

System wide, approximately 32,904 customers were without power during the course of this event.

#### Summary of System Impacts

Total Number of Outages for the Event	629
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Transmission Lines Affected	10
Impacted Substations	7

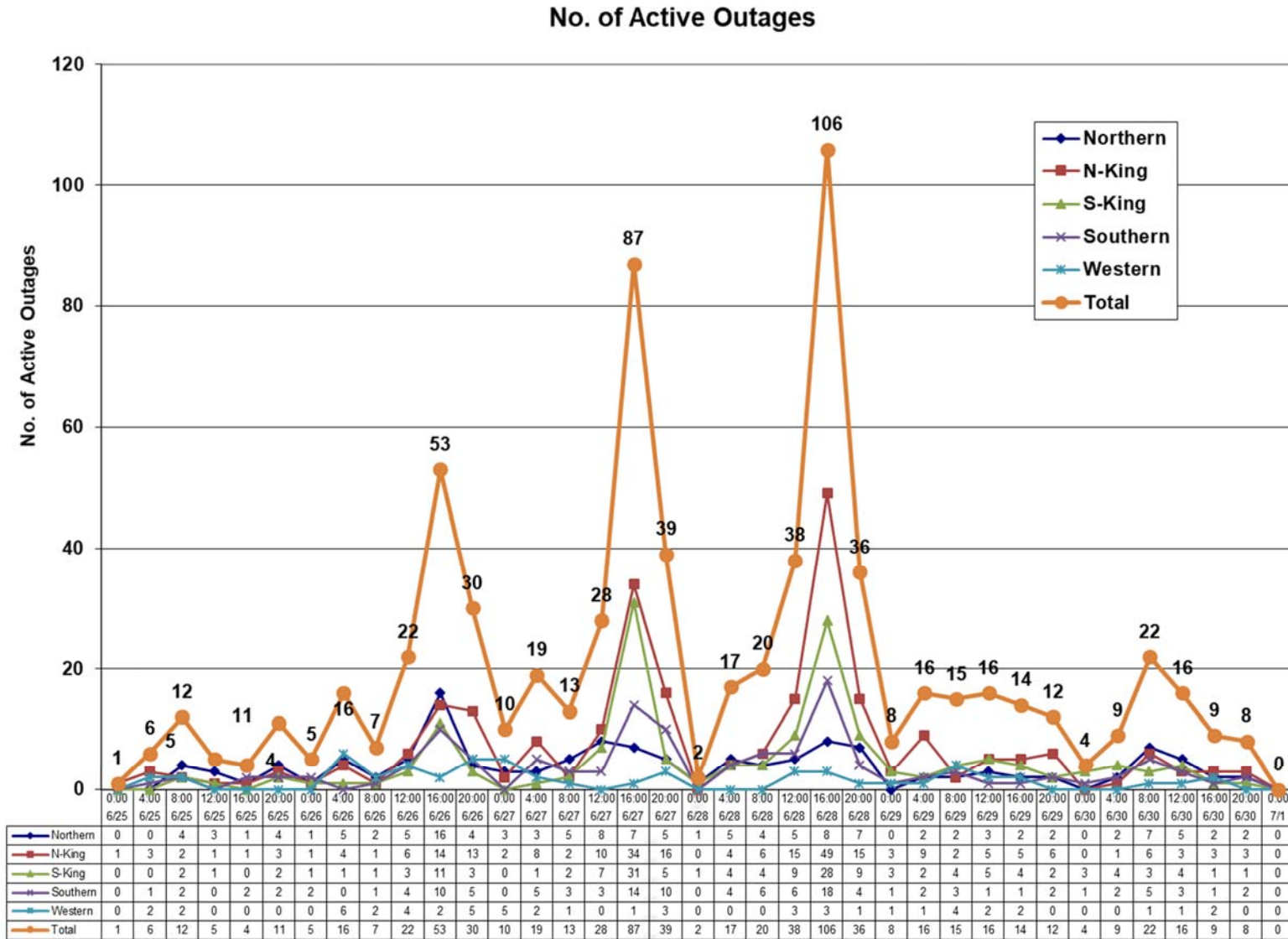
#### Mobilization Summary

##### Operating Bases Placed In Emergency Status

Base	Date Opened	Time Opened	Date Closed	Time Closed
Whatcom	n/a			
Skagit	n/a			
Island	n/a			
North King	n/a			
South King	n/a			
Pierce	n/a			
Thurston	n/a			
Kitsap	n/a			
Vashon	n/a			
Kittitas	n/a			

##### Emergency Coordination Center (ECC)

	Date Opened	Time Opened	Date Closed	Time Closed
ECC	n/a			



### Major Event – Qualification Summary

#### IEEE1 Standard 1366

IEEE Standard 1366 was established to present a set of terms and definitions which can be used to foster uniformity in the development of electric system service reliability indices, to identify factors which affect the indices, and to aid in consistent reporting practices among utilities. Also, it provides guidance for new personnel in the reliability area and tools for internal as well as external comparisons. The Major Event Day definition was created as part of IEEE Standard 1366 to allow for consistent calculation of reliability metrics between utilities and enable more valid comparisons with other utility reliability metrics.

#### IEEE Major Event Day Calculation (2.5 BETA METHOD)

1. A threshold on daily SAIDI<sup>2</sup> is computed once a year, following year end
2. Assemble the 5 most recent years of historical values of SAIDI/day
3. Discard any days in the data set that has a SAIDI/day of zero
4. Find the natural logarithm of each value in the data set
5. Compute the average (Alpha) and the standard deviation (Beta) of the natural logarithms computed in step 4
6. Compute the threshold  $T_{MED}$  where  $T_{MED} = \exp(\text{Alpha} + 2.5 * \text{Beta})$
7. Any day in the next year with SAIDI >  $T_{MED}$  is a major event day

Puget Sound Energy's IEEE Major Event Threshold ( $T_{MED}$ ) for 2021: 6.38 Minutes

#### Qualified Event - Calculation Detail - Current Event

Event Date, Time Range	Total Customer Minutes	Average Customer Count	Event SAIDI (Customer Minutes /Customer Count)
06/26/2021, 00:00 – 06/29/2021, 23:59	19,097,126	1,193,451	16.00

#### YTD Qualified Events - First Day the Daily SAIDI Exceeded $T_{MED}$ of 6.38 Minutes

Date	Daily SAIDI (from midnight to midnight)	Total O&M Costs
1/12/2021	54.72	\$20,351,703*
2/13/2021	10.33	\$2,509,153*
6/26/2021	7.60	\$1,826,201

\*Updated since last report

<sup>1</sup> IEEE: Institute of Electrical and Electronics Engineers

<sup>2</sup> SAIDI: System Average Interruption Duration Index

### Event Restoration – YTD Cost Summary

Starting from the 2018 calendar year, PSE continues its existing Qualifying Storm Loss Deferral Mechanism for any storm restoration costs incurred on or after January 1, 2018, with the following modifications that were agreed to in settlement and the settlement was approved by the Commission in PSE's 2017 general rate case :

- (i) the cumulative annual cost threshold for deferral of storms under the Qualifying Storm Loss Deferral Mechanism shall be increased from \$8 million to \$10 million,
- (ii) qualifying events that cost less than \$500,000 will not qualify for deferral, and
- (iii) the cumulative annual cost threshold for the Qualifying Storm Loss Deferral Mechanism shall exclude storm events with costs less than \$500,000.

(Page 22 of Appendix B to Order 08 in consolidated Dockets UE-170033 and UG-170034)

### 2021 Restoration Costs Detail - By Storm Event

Event Date	Qualified Events Deferred Account	Capital Costs	O&M Costs Not Deferrable	O&M Costs Deferrable Accumulation	Total O&M Costs	Total Costs
(A)	(B)	(C)	(D)	(E)	(F) = (B)+(D)+(E)	(G)= (F) + (C)
1/12/21	\$10,351,703*	\$3,527,040*	\$0	\$10,000,000	\$20,351,703*	\$23,878,743*
2/11/21 <sup>Note</sup>	\$0	\$129,347*	\$289,022	\$0	\$289,022*	\$418,369*
2/13/21	\$2,509,153*	\$246,344*	\$0	\$0	\$2,509,153*	\$2,755,497*
6/26/21	\$1,826,201	\$0	\$0	\$0	\$1,826,201	\$1,826,201

\*Updated since last report

Note: The 2/11/21 event is not a Qualifying Event. No costs associated with this event are deferrable.

### 2021 YTD Storm Restoration Cost Summary

Qualifying Events Deferred Account	Capital Costs	O&M Costs - Not Deferrable	O&M Costs - Deferrable Accumulation	Total O&M Costs	Total Costs
\$14,687,057	\$3,902,731	\$289,022	\$10,000,000	\$24,976,079	\$28,878,810

**Detail Documents**

Restoration Costs Detail – Current Event

Detailed List of Distribution Circuits with Outages

Terms, Codes and Definitions Used on Detail Reports

**Restoration Costs Detail – Current Event**

Puget Sound Energy						
June 26, 2021 Qualifying Storm Damage Repair Costs						
	Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
Labor						
ST	\$0		\$0	\$214,946	\$214,946	\$214,946
OT	\$0		\$0	\$194,454	\$194,454	\$194,454
Total Labor	\$0	\$0	\$0	\$409,400	\$409,400	\$409,400
Labor OH	\$0		\$0	\$115,011	\$115,011	\$115,011
Materials	\$0		\$0	\$8,366	\$8,366	\$8,366
Contractors	\$0		\$0	\$812,789	\$812,789	\$812,789
Other Direct Charges	\$0		\$0	\$1,324	\$1,324	\$1,324
Fleet	\$0		\$0	\$0	\$0	\$0
Other Assessments	\$0		\$0	\$479,312	\$479,312	\$479,312
Deferred Expenses	\$1,826,201	\$0	\$0	\$0		\$0
	\$1,826,201	\$0	\$0	\$1,826,201	\$1,826,201	\$1,826,201

ST: Standard time

OT: Over time

OH: Overhead



**Detailed List of Outages – 06/27/2021, First TMED-Exceeding Day**

Notif Num	D-Energ Dt	D-Energ Tm	Ref Ckt	MPG	CAZ	EQT	Cust Out	Cust Min
P00717179-1	6/27/2021	12:42:14 AM	NBE-15	EBF	EF	UPC	14	13,817
P00717784-1	6/27/2021	1:17:59 AM	TLN-0063	ECE	EF	OCO	7,587	1,155,318
P00717692-1	6/27/2021	1:18:23 AM	SIL-15	ECE	EF	OCO	1,550	56,938
P00717539-1	6/27/2021	1:35:31 AM	SKI-16	EBD	EF	OTR	1	516
P00717692-1	6/27/2021	1:49:25 AM	SIL-15	ECE	EF	OCO	-	70,889
P00717796-1	6/27/2021	2:30:47 AM	BAK-22	EAA	EF	UEL	297	42,596
P00717823-1	6/27/2021	2:40:24 AM	BAK-22	EAA	EF	UTC	218	17,671
P00717787-1	6/27/2021	2:45:52 AM	SKE-22	ECE	CP	OPO	257	227,518
P00716980-2	6/27/2021	2:56:07 AM	MUR-17	ECE	EO	OSV	2	105
P00717808-1	6/27/2021	3:01:05 AM	PET-16	EAC	CP	UPT	7	4,531
P00717735-1	6/27/2021	4:15:06 AM	KIT-26	EBH	EF	OFU	28	5,540
P00717815-1	6/27/2021	4:30:18 AM	VWY-12	EAA	EF	UPC	166	20,186
P00717820-1	6/27/2021	4:59:22 AM	TAN-13	ECC	EF	UPC	65	10,474
P00717821-1	6/27/2021	5:03:44 AM	FAC-12	EBE	EF	UHH	4	1,039
P00717645-2	6/27/2021	5:22:40 AM	LTA-17	ECA	CP	OPO	86	25,657
P00717840-1	6/27/2021	5:49:40 AM	ING-13	EBD	BA	OTF	6	2,884
P00717842-1	6/27/2021	5:53:29 AM	ING-13	EBD	BA	OTF	16	7,365
P00717843-1	6/27/2021	6:01:45 AM	WOO-26	ECA	EF	OTR	2	773
P00717789-2	6/27/2021	6:02:21 AM	WOB-25	EAA	CP	OPO	13	2,932
P00717844-1	6/27/2021	6:05:40 AM	SIL-16	ECE	EF	UPC	14	6,059
P00717856-1	6/27/2021	6:07:35 AM	PLA-22	EBD	EF	UPT	233	23,794
P00717845-1	6/27/2021	6:08:36 AM	PLA-22	EBD	EF	UPT	104	10,849
P00717849-1	6/27/2021	6:11:08 AM	SIL-13	ECE	EF	UPC	8	6,020
P00717490-2	6/27/2021	6:16:24 AM	PLA-22	EBD	EF	UPT	7	657
P00717851-1	6/27/2021	6:17:00 AM	CRE-12	EAD	BA	OTF	63	5,101
P00717855-1	6/27/2021	6:30:10 AM	HOL-15	ECA	BA	OCO	24	12,766
P00717858-1	6/27/2021	6:41:49 AM	EDG-16	ECA	EF	OCO	3	1,040
P00717868-1	6/27/2021	7:25:25 AM	NBO-25	EBD	BA	OTR	5	1,032
P00717870-1	6/27/2021	7:27:46 AM	NBO-25	EBD	BA	OTF	8	1,667

Notif Num	D-Energ Dt	D-Energ Tm	Ref Ckt	MPG	CAZ	EQT	Cust Out	Cust Min
P00717878-1	6/27/2021	8:01:14 AM	MOT-14	ECC	EF		3	607
P00717891-1	6/27/2021	9:19:24 AM	KEN-12	EAA	EF	UPT	1	868
P00717833-1	6/27/2021	9:30:03 AM	GBK-15	EAD	TV	OSV	2	502
P00717894-1	6/27/2021	9:30:56 AM	HWD-22	EBD	BA	OTF	3	993
P00717897-1	6/27/2021	9:37:07 AM	FRA-13	ECD	BA	OCO	1	91
P00717898-1	6/27/2021	9:45:01 AM	UHL-25	EBD	BA	OFU	20	2,275
P00717907-1	6/27/2021	10:31:07 AM	RIV-16	EAC	EF	OTF	2	152
P00717920-1	6/27/2021	10:51:00 AM	GWR-13	EBI	TV	OCO	885	235,013
P00717928-1	6/27/2021	11:29:55 AM	ENU-18	EBI	EF	OTF	6	978
P00717932-1	6/27/2021	11:39:09 AM	LON-23	ECC	EF	UPC	1	342
P00717933-1	6/27/2021	11:39:54 AM	GRV-12	ECA	EF	USC	1	487
P00717936-1	6/27/2021	11:49:34 AM	RIT-18	EAC	EF	OTR	1	385
P00717938-1	6/27/2021	11:52:39 AM	WOB-23	EAA	TV	OSV	2	254
P00717954-1	6/27/2021	12:45:32 PM	COT-13	EBD	EF	UPC	4	8,147
P00717957-1	6/27/2021	1:01:20 PM	FCR-12	EBI	EF	UTC	344	107,367
P00717959-1	6/27/2021	1:06:10 PM	FLD-12	EAD	BA	OTF	1	269
P00717962-1	6/27/2021	1:12:20 PM	CPV-13	EAD	EF	OSV	1	402
P00717964-1	6/27/2021	1:14:19 PM	LGY-16	EAD	EF	OFC	149	42,208
P00717966-1	6/27/2021	1:24:41 PM	HOB-15	EBI	EF	UPT	4	1,566
P00717973-1	6/27/2021	1:33:26 PM	LAU-11	EAA	EF	UPC	1	461
P00718008-1	6/27/2021	1:40:41 PM	WIS-16	EBF	EF	OIN	1,367	629,324
P00717977-1	6/27/2021	1:41:05 PM	TLN-0104	EBF	EF	OIN	4,643	510,516
P00717978-1	6/27/2021	1:41:06 PM	TLN-0223	EBF	EF	OIN	5,767	1,024,720
P00718018-1	6/27/2021	1:42:37 PM	NLM-13	EAC	TV	OPO	3	1,376
P00718046-1	6/27/2021	1:53:31 PM	WLS-16	EAC	TV	OCO	16	2,210
P00718056-1	6/27/2021	2:02:43 PM	FCR-12	EBI	EF	UPT	41	6,271
P00718057-1	6/27/2021	2:03:43 PM	BRS-24	EAC	EF	UOT	3	1,851
P00718066-1	6/27/2021	2:22:58 PM	LYN-26	EAA	EF	UTC	311	27,995
P00718090-1	6/27/2021	2:35:47 PM	HOB-15	EBI	EF	OPO	7	2,119
P00718077-1	6/27/2021	2:45:13 PM	LMD-16	EBJ	EF	OTR	3	1,834
P00718081-1	6/27/2021	2:47:34 PM	SPA-16	ECA	EF	UPC	2	1,283

Notif Num	D-Energ Dt	D-Energ Tm	Ref Ckt	MPG	CAZ	EQT	Cust Out	Cust Min
P00718083-1	6/27/2021	2:49:38 PM	KLA-17	EBD	EF	PTF	10	584
P00718092-1	6/27/2021	3:07:14 PM	FRG-24	ECC	TV	OCO	5	2,153
P00718091-1	6/27/2021	3:07:15 PM	HWD-22	EBD	OD	PTF	12	6,028
P00718101-1	6/27/2021	3:32:25 PM	HAZ-16	EBE	EF	UPT	20	7,109
P00718104-1	6/27/2021	3:37:38 PM	PIK-21	EBF	EF	OTR	2	2,491
P00718105-1	6/27/2021	3:41:16 PM	ORT-26	ECA	EF	UPT	12	5,578
P00718107-1	6/27/2021	3:43:32 PM	PIN-26	EBD	EF	OFU	19	11,499
P00718116-1	6/27/2021	3:51:31 PM	COL-26	EBE	EF	OTF	4	1,326
P00718117-1	6/27/2021	3:53:11 PM	HOB-16	EBI	BA	OTF	1	115
P00718123-1	6/27/2021	3:58:38 PM	FCR-11	EBI	EF	UPT	10	9,885
P00718131-1	6/27/2021	4:10:12 PM	BKB-12	EAC	EF	UPT	4	1,551
P00718136-1	6/27/2021	4:13:46 PM	NBE-16	EBF	BA	OTF	6	2,995
P00718142-1	6/27/2021	4:18:27 PM	SWA-12	EAD	EF	OFC	28	8,574
P00718143-1	6/27/2021	4:24:11 PM	PIP-22	EBI	EF	UPT	10	10,115
P00718148-1	6/27/2021	4:33:04 PM	PIN-25	EBF	EF	UOT	132	37,794
P00718152-1	6/27/2021	4:40:39 PM	VIT-23	EBD	EF	OFC	11	7,208
P00718166-1	6/27/2021	4:56:25 PM	KAP-15	ECA	EF	UPC	1	930
P00718168-1	6/27/2021	4:58:31 PM	WAY-13	EBD	EF	OTF	9	1,573
P00718170-1	6/27/2021	5:00:03 PM	HAZ-16	EBE	EF	PTF	10	939
P00718171-1	6/27/2021	5:00:16 PM	HAZ-16	EBE	EF	UPT	7	4,164
P00718172-1	6/27/2021	5:00:28 PM	HAR-22	EBJ	EF	UPT	9	12,423
P00718176-1	6/27/2021	5:02:09 PM	SIN-22	ECD	EF	OTR	1	396
P00718178-1	6/27/2021	5:02:29 PM	ELL-12	EBJ	EF	UPT	27	6,656
P00718182-1	6/27/2021	5:05:22 PM	LYO-12	EBJ	EF	UPT	14	18,050
P00718185-1	6/27/2021	5:08:13 PM	SEQ-15	EBJ	EF	UPT	13	7,743
P00718187-1	6/27/2021	5:10:27 PM	FCR-11	EBI	EF	UPT	67	11,931
P00718188-1	6/27/2021	5:11:20 PM	SPG-14	ECC	EF	OFU	171	88,202
P00718191-1	6/27/2021	5:13:55 PM	HOB-17	EBI	TV	OCO	110	90,576
P00718603-1	6/27/2021	5:17:41 PM	SEQ-15	EBJ	EF	UPT	45	15,914
P00718199-1	6/27/2021	5:19:14 PM	MSI-23	EBF	EF	UPT	24	17,296
P00718201-1	6/27/2021	5:19:56 PM	ORT-25	ECA	EF	OFU	211	25,668

Notif Num	D-Energ Dt	D-Energ Tm	Ref Ckt	MPG	CAZ	EQT	Cust Out	Cust Min
P00717932-1	6/27/2021	5:22:15 PM	LON-23	ECC	EF	UPC	1	649
P00718207-1	6/27/2021	5:23:00 PM	BTR-01	EBE	EF	CON	1,249	142,255
P00718313-1	6/27/2021	5:23:20 PM	KIT-26	EBH	EF	OFU	203	39,289
P00718227-1	6/27/2021	5:27:19 PM	ORT-23	ECA	EF	UPT	2	1,527
P00718240-1	6/27/2021	5:29:19 PM	FCR-12	EBI	EF	UPT	16	17,299
P00721000-1	6/27/2021	5:29:53 PM	PIP-26	EBI	EF	UPT	1	3,142
P00718252-1	6/27/2021	5:31:14 PM	LYN-26	EAA	EF	UPT	13	3,744
P00718621-1	6/27/2021	5:32:37 PM	GLC-15	EBJ	EO	UPT	19	15,111
P00718255-1	6/27/2021	5:33:52 PM	SUN-11	ECA	EF	UPT	40	6,049
P00718605-1	6/27/2021	5:37:18 PM	SEQ-15	EBJ	EO	UPT	15	12,505
P00718262-1	6/27/2021	5:38:52 PM	ROS-17	EBD	EF	UPT	16	8,521
P00718265-1	6/27/2021	5:41:11 PM	LEA-15	EBJ	EF	USV	1	188
P00718268-1	6/27/2021	5:44:16 PM	SAH-16	EBD	EF	UPT	27	17,278
P00718269-1	6/27/2021	5:44:21 PM	FCR-12	EBI	EF	UPT	-	5,419
P00718271-1	6/27/2021	5:44:44 PM	RHO-13	ECA	EF	UPT	9	9,925
P00718272-1	6/27/2021	5:44:52 PM	BTR-23	EBE	EF	UPT	956	2,331,237
P00718281-1	6/27/2021	5:52:30 PM	KLA-17	EBD	EF	UPT	9	5,182
P00718282-1	6/27/2021	5:52:35 PM	SEQ-22	EBJ	EF	UPT	31	12,876
P00718284-1	6/27/2021	5:53:42 PM	SAH-16	EBD	EF	UPT	14	18,365
P00718557-1	6/27/2021	5:54:55 PM	FCR-11	EBI	EF	UPT	10	8,715
P00718286-1	6/27/2021	5:59:28 PM	MSI-23	EBF	EF	UPT	14	19,654
P00718288-1	6/27/2021	6:00:54 PM	LWS-12	EBJ	EF	UPT	12	9,438
P00718290-1	6/27/2021	6:02:29 PM	FCR-13	EBI	EF	UPT	23	11,395
P00718293-1	6/27/2021	6:07:13 PM	BIG-13	EAC	EF	UPT	8	4,669
P00718254-1	6/27/2021	6:08:43 PM	GLC-15	EBJ	EF	UPT	1	1,029
P00718295-1	6/27/2021	6:09:48 PM	GAR-16	ECA	EF	UPT	9	4,832
P00718296-1	6/27/2021	6:09:49 PM	FCR-13	EBI	EF	UPT	9	7,393
P00718301-1	6/27/2021	6:13:15 PM	PRE-13	EBE	EF	UPC	248	29,731
P00718303-1	6/27/2021	6:13:55 PM	CHA-13	ECC	EF	UPT	10	5,651
P00718308-1	6/27/2021	6:17:14 PM	GLC-15	EBJ	EF	UPT	36	7,790
P00718309-1	6/27/2021	6:17:43 PM	ORT-23	ECA	EF	UPT	21	6,501

Notif Num	D-Energ Dt	D-Energ Tm	Ref Ckt	MPG	CAZ	EQT	Cust Out	Cust Min
P00718310-1	6/27/2021	6:18:17 PM	PRE-13	EBE	EF	UPC	11	4,141
P00718886-1	6/27/2021	6:21:28 PM	PLA-23	EBD	EF	UPC	31	2,515
P00718317-1	6/27/2021	6:22:51 PM	WOO-27	ECA	EF		141	17,782
P00718320-1	6/27/2021	6:23:55 PM	LMD-15	EBJ	EF	OFC	5	2,341
P00718321-1	6/27/2021	6:24:37 PM	HAZ-16	EBE	EF	UPT	8	5,264
P00718469-1	6/27/2021	6:26:26 PM	KLA-17	EBD	EF	UPT	14	7,555
P00718484-1	6/27/2021	6:26:47 PM	MSI-23	EBF	EF	UPT	74	15,594
P00718329-1	6/27/2021	6:27:53 PM	FAC-25	EBE	EF	UPT	15	5,405
P00718486-1	6/27/2021	6:31:10 PM	MSI-23	EBF	EF	UPT	87	15,857
P00718330-1	6/27/2021	6:31:41 PM	LLS-17	EAA	EF	UFJ	102	18,851
P00718337-1	6/27/2021	6:37:46 PM	KLA-17	EBD	EF	UPT	23	9,580
P00718604-1	6/27/2021	6:38:23 PM	SEQ-15	EBJ	EF	UPT	10	8,474
P00718339-1	6/27/2021	6:40:04 PM	MOT-14	ECC	EF	OSV	7	3,293
P00718361-1	6/27/2021	6:40:24 PM	NOR-26	EBD	EF	UPC	3,127	677,205
P00718364-1	6/27/2021	6:45:47 PM	NBE-13	EBF	EF	UPT	14	13,536
P00718365-1	6/27/2021	6:46:08 PM	UHL-21	EBD	EF	PTF	8	8,083
P00718270-1	6/27/2021	6:51:54 PM	AVO-13	EBD	EF	PTF	18	4,374
P00718373-1	6/27/2021	6:55:20 PM	SEQ-22	EBJ	EF	UPT	11	13,446
P00718299-1	6/27/2021	6:57:34 PM	WAY-13	EBD	TV	OCO	37	7,883
P00718378-1	6/27/2021	6:57:37 PM	GLC-14	EBJ	EF	UPT	17	15,426
P00718122-1	6/27/2021	7:02:21 PM	SAH-13	EBD	EF	UOT	205	10,544
P00718395-1	6/27/2021	7:14:28 PM	FCR-12	EBI	EF	UPT	9	4,735
P00718397-1	6/27/2021	7:15:55 PM	AVO-13	EBD	EF	PTF	10	2,067
P00718400-1	6/27/2021	7:18:14 PM	SEQ-13	EBJ	EF	UPT	13	18,174
P00718403-1	6/27/2021	7:22:10 PM	SPG-11	ECC	EF	UPT	51	6,716
P00718406-1	6/27/2021	7:23:55 PM	KNM-25	EBD	OD	UPT	11	3,798
P00718407-1	6/27/2021	7:24:31 PM	GLC-15	EBJ	EF	UPT	11	5,997
P00718415-1	6/27/2021	7:43:25 PM	SNQ-16	EBF	EF	OTF	8	2,339
P00718420-1	6/27/2021	7:46:55 PM	PIP-22	EBI	EF	UPT	12	19,307
P00718422-1	6/27/2021	7:47:09 PM	EVA-27	EBJ	EF	UPT	20	10,666
P00718423-1	6/27/2021	7:47:09 PM	BHS-12	EAA	EF	OFU	3	1,559

Notif Num	D-Energ Dt	D-Energ Tm	Ref Ckt	MPG	CAZ	EQT	Cust Out	Cust Min
P00718424-1	6/27/2021	7:47:56 PM	PIN-25	EBD	EF	UPT	12	9,160
P00718427-1	6/27/2021	7:52:00 PM	BIG-16	EAC	EF	UTC	234	34,613
P00718436-1	6/27/2021	7:53:54 PM	VAS-13	EBL	UN	OTR	2	837
P00718442-1	6/27/2021	7:56:23 PM	PLG-15	ECC	TV	OCO	94	47,977
P00718452-1	6/27/2021	8:03:53 PM	PRE-14	EBE	EF	UPT	11	17,008
P00718453-1	6/27/2021	8:06:35 PM	PIN-25	EBD	EF	UPT	12	8,319
P00718479-1	6/27/2021	8:17:13 PM	LEA-15	EBJ	EF	USV	1	204
P00718462-1	6/27/2021	8:26:13 PM	BUC-16	ECA	TV	OSV	1	178
P00718376-1	6/27/2021	8:32:12 PM	SUN-13	ECA	EF	UPT	27	9,134
P00718326-1	6/27/2021	8:39:15 PM	KLA-17	EBD	EF	UPT	14	4,646
P00718471-1	6/27/2021	8:39:39 PM	MSI-24	EBF	EF	UEL	22	19,577
P00718474-1	6/27/2021	8:43:28 PM	LEA-16	EBJ	EF	UTR	37	26,981
P00718401-1	6/27/2021	8:45:04 PM	HAZ-16	EBE	EF	PTF	10	2,245
P00718478-1	6/27/2021	8:45:59 PM	BIG-13	EAC	EF	UPT	8	46
P00718417-1	6/27/2021	8:46:53 PM	DUV-16	EBD	EF	UPT	12	7,813
P00718481-1	6/27/2021	8:47:12 PM	PRI-23	ECC	TV	OHR	188	53,421
P00718327-1	6/27/2021	8:49:13 PM	MSI-23	EBF	EF	UPT	14	11,603
P00718487-1	6/27/2021	8:52:02 PM	NBO-22	EBD	OD	UPT	10	2,363
P00718489-1	6/27/2021	8:57:09 PM	ROS-17	EBD	EF	UPT	7	10,401
P00718493-1	6/27/2021	9:01:50 PM	YEL-27	ECC	EF	OCN	1	162
P00718497-1	6/27/2021	9:03:42 PM	LMC-23	EBE	TV	OFU	112	82,212
P00718503-1	6/27/2021	9:11:47 PM	BIG-13	EAC	EF	UPT	8	3,897
P00718510-1	6/27/2021	9:20:02 PM	ELD-23	ECC	TV	OFU	2	1,351
P00718516-1	6/27/2021	9:28:43 PM	SHD-18	EBI	TV	OCO	12	3,669
P00718517-1	6/27/2021	9:32:14 PM	MKI-16	ECC	EF	OSV	1	300
P00718518-1	6/27/2021	9:32:45 PM	KLA-16	EBD	EF	UPT	113	16,146
P00718534-1	6/27/2021	9:38:31 PM	DEC-17	ECC	EF	OTR	2	1,289
P00718542-1	6/27/2021	9:47:10 PM	VWY-15	EAA	EF	UPT	27	11,009
P00718543-1	6/27/2021	9:48:10 PM	ALG-15	EAA	EF	UPC	70	23,238
P00718545-1	6/27/2021	9:56:30 PM	ORC-17	EBJ	EF	OTR	1	1,083
P00718546-1	6/27/2021	9:56:43 PM	HOL-12	ECA	EF	OTR	6	1,201

Notif Num	D-Energ Dt	D-Energ Tm	Ref Ckt	MPG	CAZ	EQT	Cust Out	Cust Min
P00718548-1	6/27/2021	9:59:49 PM	FNW-16	ECD	TV	OSV	2	689
P00718550-1	6/27/2021	10:06:47 PM	SIL-13	ECE	TV	OSV	1	200
P00718492-1	6/27/2021	10:11:26 PM	ELL-14	ECA	CP	OTR	3	1,544
P00718555-1	6/27/2021	10:18:59 PM	GAR-16	ECA	EF	UPT	25	4,498
P00718559-1	6/27/2021	10:25:46 PM	PGA-12	ECE	EF	UPC	5	3,466
P00718560-1	6/27/2021	10:27:09 PM	WIS-14	EBF	EF	UPT	36	21,282
P00718561-1	6/27/2021	10:29:30 PM	DUV-16	EBD	EF	UPT	9	5,344
P00718564-1	6/27/2021	10:33:57 PM	MLK-15	EBE	EF	UPT	22	17,709
P00718567-1	6/27/2021	10:43:10 PM	SOM-16	EBE	EF	UTR	91	106,886
P00718570-1	6/27/2021	10:48:22 PM	BIG-16	EAC	EF	UTC	234	9,797
P00718599-1	6/27/2021	11:51:39 PM	ROS-15	EBD	EF	OTR	5	819
P00718600-1	6/27/2021	11:51:57 PM	SEQ-16	EBJ	UN	UTC	10	6,820

**Terms, Codes and Definitions Used on Detail Reports**

<b>Notification (NUMBER)</b>	A number assigned by SAP, identifying the outage record	
Date (DATE)	The date of the outage	
Time (TIME)	The time of the outage	
Circuit (CKT)	The circuit identifier for the affected circuit	
Area (MPG)	<b>Maintenance Planner Group A</b> code representing the energy, region and service center	
	EAA – Bellingham	EBJ – South King
	EAC – Skagit	EBL – Vashon
	EAD – Whidbey	ECA – Puyallup
	EBD – Redmond	ECC – Olympia
	EBE – Factoria	ECD – Port Orchard
	EBF – Snoqualmie	ECE – Poulsbo
	EBI – Enumclaw	
<b>Cause (CAZ)</b>	Cause of Outage	
	AO – Accident Other	EF – Equipment Failure
	BA – Bird or Animal	EO – Electrical Overload
	CP – Car Pole	FI – Faulty Installation
	CR – Customer Request	TF – Tree Off Right-of-Way
	DU – Dig-up Underground	TO – Tree On Right-of-Way
	TV – Trees/Vegetation	SO – Scheduled Outage
	UN – Unknown	
<b>Equipment (EQT)</b>	Affected by, or involved in the outage	
	OCN – Connector	OSW – Overhead Switch
	OCO – Overhead Conductor	OTF – Overhead Transformer Fuse
	OCR – Crossarm	OTR – Overhead Transformer
	OFC – Overhead Cut-out	OUP – OH to UG Primary
	OFS – Overhead Fire Signal	OUS – OH to UG Secondary Service
	OFU – Fuse Link/OH Line Fuse	SBF – High-side Bank Fuse
	OGS – Span Guy	SCB – Power Circuit Breaker
	OHR – Overhead Recloser	UOT – Underground Outdoor Term
	OIN – Insulator	UPC – Underground Primary Cable
	OJU- Jump Wire	UPT – Padmount Transformer
	OPI – Overhead Pin Insulator	USV – Underground Service
	OPO – Pole	UTC – Underground Terminal Fuse
	OSV – Overhead Service	UTR – Submersible Transformer
	ORE – Regulator	
<b>CUST OUT (CUST.OUT)</b>	<b>Customer Out</b> , The number of customers without power for any given outage record	
<b>CUST MIN (CUST. MIN)</b>	<b>Customer Minutes</b> , The total number of minutes customers were without power for any given record	



## Media & Communication Coverage

### National Weather Service Discussion

#### Area Forecast Discussion

National Weather Service Seattle WA

305 PM PDT Fri Jun 25 2021

.SYNOPSIS...All time record high temperatures will develop over Western Washington this weekend--peaking Sunday and Monday. The heat will ease somewhat Tuesday, especially on the coast, as some marine air reaches Western Washington. Thermally induced low pressure over Western Washington Sunday and Monday will shift to Eastern Washington Tuesday. Even after the heat peaks early in the week, temperatures will remain well above normal through next week.

&&

.SHORT TERM /TONIGHT THROUGH MONDAY/...The center of the strong **upper level** high is over Vancouver Island this afternoon and it will shift very slowly east through Monday night when it will be over southeast British Columbia. 500mb heights over Seattle will be peaking around 597dam over the weekend and we expect the highest **freezing level** ever recorded in the UIL **sounding** over the weekend.

With the unusually warm air mass in place over the Pacific Northwest and British Columbia through Monday new records will be set not only for the highs but also for unusually warm low **temps**. Saturday will probably be the day we set new record highs for the month of June and Sunday and Monday will be the days we set all-time high **temps**.

**Temps** on the coast will peak on Sunday and then shallow marine air will reach the beaches as **fog** spreads north over the **coastal waters** during the day on Monday. Coastal marine layer **fog** and **low clouds**

will increase Monday night and Tuesday even as the the thermal **trough** is along the I-5 corridor--and that means Monday will the be worst of it for everybody up and down the I-5 corridor. So what sort of numbers are we talking about? Highs across the interior of Western Washington will be well into the 90s on the beaches and will range from 100-110 degrees for most folks not under an umbrella, wading in the icy waters of the Salish Sea or peeking out from under a sun hat in their kids wading pool. Areas closer to the Cascades that have the worst of the nighttime thermal belt warmth as well as the valleys close to the Cascades will probably top 110.

The **excessive heat warning** has various impact statements which are certainly not hyperbole and should be taken seriously. We should remember that folks in Western Washington do not all have AC and we are not accustomed to summertime heat. Thank goodness we do not get the summertime dew points to which people back east are better acclimatized.

.SEW WATCHES/WARNINGS/ADVISORIES...

WA...**Excessive Heat Warning** from 2 PM this afternoon to 9 PM PDT Monday for Bellevue and Vicinity-Bremerton and Vicinity-Cascades of Pierce and Lewis Counties-Cascades of Snohomish and King Counties-Cascades of Whatcom and Skagit Counties-East Puget Sound Lowlands-Everett and Vicinity-Hood Canal Area-Lower Chehalis Valley Area-Olympics-Seattle and Vicinity-Southwest Interior-Tacoma Area-Western Skagit County-Western Whatcom County.

**Excessive Heat Warning** from 2 PM Saturday to 9 PM PDT Monday for Admiralty Inlet Area-Central Coast-Eastern Strait of Juan de Fuca-North Coast-Western Strait of Juan De Fuca.

National Weather Service Briefing



Long-Duration, Unprecedented Heat Event & Increasing Fire Concern

National Weather Service - Seattle, WA

Issued: Mon, Jun 28, 2021 - 04:09 AM

Next Update: 29 Jun 2021

Point of Contact: NWS Operations (24/7/365) 206-526-6095

KEY POINTS

- A long-duration, unprecedented heat wave will continue to impact the Pacific Northwest through Tuesday
- Temperatures will peak today across the area, with widespread temperatures of 100-115 expected.
- There will be a high to very high risk of heat-related impacts/illness for much of the population, especially those who are heat sensitive and those without effective cooling and/or adequate hydration
- Increasing fire danger due to hot, dry conditions and an increase in outdoor activities (camping, grilling, vehicles, etc.). Heightened concern for roadside & brush fires.

CHANGES FROM PREVIOUS BRIEFING

- Red Flag Warning expanded to include the foothills of the Cascades and the Cascades of Skagit and Whatcom Counties in addition to the Cascades of King, Pierce and Lewis Counties

WEATHER AND IMPACT OUTLOOK

Mon 06/28	Tue 06/29	Wed 06/30	Thu 07/01	Fri 07/02	Sat 07/03	Sun 07/04
Very Hot/Heat Impacts	Very Hot/Heat Impacts	Above normal temps/dry	Above normal temps/dry	Above normal temps/dry	Above normal temps/dry	Above normal temps/dry

Weather Impact Legend: None Low Medium High Extreme

CONFIDENCE AND DETAILS

Western Washington	
<b>HIGH Confidence</b>	<ul style="list-style-type: none"> <li>• High to Very High Risk for heat-related illnesses for entire population due to long duration heat, with little to no relief overnight. Those without adequate access to cooling or proper hydration will be at particularly high risk.</li> <li>• Increase in water-related accidents (cold water shock, drownings, etc.)</li> <li>• Significant snow melt likely in the mountains.</li> </ul>
<b>MODERATE Confidence</b>	<ul style="list-style-type: none"> <li>• Power outages could further limit access to cooling.</li> <li>• Heat-sensitive infrastructure may be damaged (e.g. road/rail buckling).</li> </ul>
<b>Forecast Details</b>	<ul style="list-style-type: none"> <li>• <b>Today</b> <ul style="list-style-type: none"> <li>○ Temperatures will rise in the interior with ranges of 100 to 115, especially areas away from the water. Right along the</li> </ul> </li> </ul>

	<p>coast expect temperatures to peak this morning in the 90s before cooling this afternoon. Cumulative heat impacts will continue.</p> <ul style="list-style-type: none"> <li>○ Red Flag Warning in effect for the Cascades and Cascade foothills for very dry and unstable conditions.</li> </ul> <ul style="list-style-type: none"> <li>• <b>Tonight</b> <ul style="list-style-type: none"> <li>○ Overnight lows in the mid to upper 60s in the interior and around 60 along the coast.</li> </ul> </li> <li>• <b>Tuesday</b> <ul style="list-style-type: none"> <li>○ Warm temperatures continue in the interior, especially areas along and east of I-5 where high temperatures will be around 90 with highs near 100 in the Cascade valleys. Cumulative heat impacts will continue.</li> </ul> </li> <li>• <b>Wednesday through holiday weekend</b> <ul style="list-style-type: none"> <li>○ Temperatures through the remainder of the week will remain above normal with highs in the interior in the mid to upper 80s. Cooler along the coast with highs in the upper 60s to lower 70s.</li> <li>○ Fire Danger will remain elevated</li> </ul> </li> </ul>
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For the latest forecast updates, visit [www.weather.gov/seattle](http://www.weather.gov/seattle).  
 If you have questions or would like to submit weather reports, photos, or to unsubscribe from these briefings, email [nws.seattle@noaa.gov](mailto:nws.seattle@noaa.gov).

## NPR News

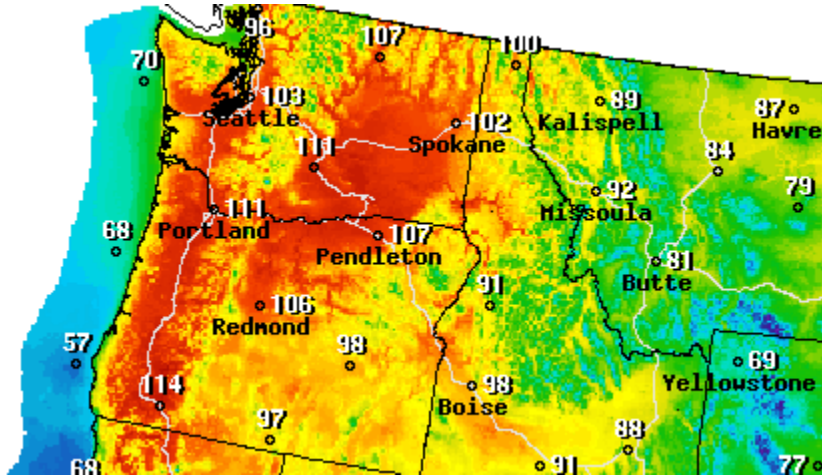
### Record Heat Wave Set To Scorch Pacific Northwest To Southern California

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June 26, 2021 8:10 PM ET

[DUSTIN JONES](#)

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Temperatures in the Pacific Northwest will skyrocket in the coming days as a heatwave sets in from Southern California to Northern Washington. The high-pressure system is expected to break record temperatures.

*National Weather Service*

The Pacific Northwest will grapple with a dangerous and unprecedented heat wave this weekend. Record highs are expected with temperatures projected to climb to over 100 degrees. Excessive heat warnings are in effect for the upcoming week in Washington, Oregon, Idaho and parts of California and western Nevada.

The [National Weather Service](#) said an "anomalously strong" mid-to-upper level ridge, which is typically accompanied by warm, dry weather, will drive the sharp climb in temperatures in the Northwest this weekend and into the week. The high-pressure system will likely bring record highs along with record-high minimum temperatures over the coming days.

In Seattle, the previous all-time record of 105 degrees will be broken when temperatures reach 107 Sunday. Meanwhile, Portland, Ore., is expected to reach 110, three degrees hotter than the [previous record](#) of 107 seen in downtown Portland in 1942 and at the city's airport in 1965 and 1981.

From San Diego to Seattle, all the way to western Nevada and over more than half of Idaho, temperatures are anticipated to break daily, monthly and all-time records.

"Much of this area will see high temperatures 30 to 35 degrees hotter than average and morning low temperatures 20 to 25 degrees warmer than average over the next several days," the NWC announcement read. "In many locations, the morning lows will be greater than the average high temperatures illustrating the anomalous nature of this historic heatwave."

The last time a heat wave similar to this hit the area was in [2009](#). Back then, the region climbed to 101 to 106 degrees for two to four days, while temperatures over 90 lingered for eight to 10 days, the NWS said.

The NWS [advises](#) those in areas experiencing treacherously high temperatures to stay hydrated, reduce outdoor activities and avoid prolonged exposure to the sun.

Also, never leave children or pets unattended in hot vehicles. Five children between the ages of 5 months and 2 years have already died this year as a result of being left unattended in hot vehicles. According to the national nonprofit [Kids In Cars](#), an average of 39 children are killed in hot cars every year.