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TRANSMITTAL MEMORANDUM

TO: The Honorable Mayor and City Council

FROM: Lacey G. Simpson, Acting General Manager

DATE: July 12, 2022

RE: **Report of June 28, 2022 Power Outage**

Attached for City Council review is a memorandum from Acting Electric Division Manager Jeremy Bynum regarding the power outage of June 28, 2022. Mr. Bynum will be attending the City Council meeting of July 21, 2022, in order to address any questions and/or concerns that Councilmembers may have.



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TRANSMITTAL MEMORANDUM

TO: Lacey Simpson, Acting KPU General Manager

FROM: Jeremy Bynum PE, Acting Electric Division Manager

DATE: June 29, 2022

SUBJECT: Electrical Outage of June 28, 2022

On Tuesday, June 28, 2022, at 6:48 AM, an outage affected nine substation feeders and electric services in Ketchikan. This outage was caused by a lightning strike on the Swan-Tyee intertie (STI) and a loss of generation during the event.

The loss of SEAPA generation, approximately 8.0MW, caused system instability, resulting in a system load shedding event. Nine KPU system feeders opened during the event.

KPU operators quickly identified the issue and immediately began power restoration. The power restoration process takes time because generation and load has to be restored in a controlled manner; feeders in the system are closed in a step-by-step process.

Initially all 6,056 customers were affected by the outage. Within forty-six minutes, power was restored to all customers.

Operation Schedule

Location	Open	Close	Duration (hr:min)	Customers
Point Higgins F1S	6:48	7:30	0:42	553
Point Higgins F2N	6:48	7:31	0:43	533
Ward Cove F1S	6:48	7:27	0:39	308
Ward Cove F2N	6:48	7:28	0:40	484
Bethe F1J	6:48	7:26	0:38	1265
Bethe F4T	6:48	7:21	0:33	1147
KTN F3	6:48	7:20	0:32	899
Mountain Point F1N	6:48	7:33	0:45	558
Mountain Point F2S	6:48	7:34	0:46	309

Cc: Mark Adams, Electric Division Operations Manager
Kim Hendricks, Administrative Assistant
Diane Bixby, Administrative Assistant