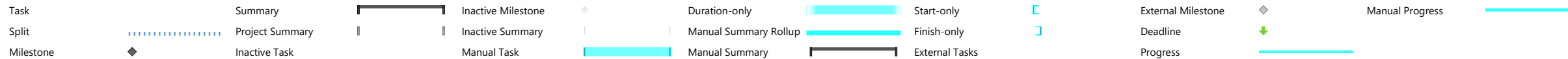


ID	Task Name	Duration	Start	Finish	% Complete	2021												2022												2023												2024											
						Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan							
1	CNG Initial FN Equipment Installation	181 days	Thu 10/15/20	Thu 6/24/21	100%																																																
2	Initial propagation study and evaluation of CNG owned locations for equipment	14 days	Thu 10/15/20	Tue 11/3/20	100%																																																
3	Install FN equipment at CNG owned locations - 40 devices	164 days	Tue 11/3/20	Fri 6/18/21	100%																																																
4	Data gathering from 2021 peak winter event and analysis	18 days	Tue 6/1/21	Thu 6/24/21	100%																																																
5	CNG Initial FN Coverage Evaluation and Analysis	125 days	Wed 6/9/21	Tue 11/30/21	41%																																																
6	Data gathering of all ERT endpoints read by initial FN installation	12 days	Wed 6/9/21	Thu 6/24/21	100%																																																
7	Evaluation of cities/towns with 75% or greater FN coverage	49 days	Thu 6/24/21	Tue 8/31/21	45%																																																
8	Initiate process to convert ERT reads in CNG cities/towns with sufficient FN coverage from mobile read mode to fixed network mode to further increase FN coverage	60 days	Mon 7/26/21	Tue 11/2/21	25%																																																
9	Data gathering of ERT endpoints read by FN in towns converted to FN read mode	20 days	Wed 11/3/21	Tue 11/30/21	0%																																																
10	Sample Size Analysis	14 days	Tue 6/29/21	Fri 7/16/21	100%																																																
11	Request Fixed Network Data for cold period	1 day	Tue 6/29/21	Tue 6/29/21	100%																																																
12	Perform Sample Size Analysis	5 days	Wed 6/30/21	Tue 7/6/21	100%																																																
13	Provide results and narrative to Engineering Group	8 days	Wed 7/7/21	Fri 7/16/21	100%																																																
14	CNG Contract with Installation Contractor for FN Installation	168 days	Fri 1/8/21	Wed 9/1/21	88%																																																
15	CNG supply ERT endpoints for all CNG's service territory and planned FN equipment installations on CNG owned facilities to contractor to complete propagation study and FN design	6 days	Fri 1/8/21	Fri 1/15/21	100%																																																
16	Review propagation study results and proposed FN design	6 days	Wed 5/26/21	Wed 6/2/21	100%																																																
17	CNG identified cities/towns missing from propagation study and provided updated endpoint data to contractor complete FN design	4 days	Tue 6/1/21	Fri 6/4/21	100%																																																
18	Revised propagation study and FN design provided by contractor for review	27 days	Mon 6/7/21	Tue 7/13/21	100%																																																
19	Contract negotiations and scope of work for CNG FN installation	168 days	Fri 1/8/21	Tue 8/31/21	85%																																																
20	CNG FN installation project kick-off	0 days	Wed 9/1/21	Wed 9/1/21	0%																																																
21	CNG FN Equipment Acquisition and Set-up	345 days	Fri 8/6/21	Thu 12/1/22	0%																																																
22	Lead time for FN equipment and other hardware necessary to complete FN installations per propagation study and design results	62 days	Fri 8/6/21	Mon 11/1/21	0%																																																
23	Complete Initial Collector Setup (ICS) for each device to be installed, including device configuration and cellular connection set-up	283 days	Tue 11/2/21	Thu 12/1/22	0%																																																
24	Joint Use Agreements (JUAs) CNG Washington State	318 days	Wed 9/1/21	Fri 11/18/22	0%																																																
25	Complete Joint Use Agreement (JUA) negotiations with area electric utilities to install FN equipment on poles owned by the electric utilities	240 days	Wed 9/1/21	Tue 8/2/22	0%																																																
26	Submit applications (as required by JUA's) to electric utilities for each specific pole location identified for FN installation from propagation study design	290 days	Mon 10/11/21	Fri 11/18/22	0%																																																
27	Obtain permits from cities where JUAs cannot be established to install poles	215 days	Mon 1/10/22	Fri 11/4/22	0%																																																
28	Deploy FN equipment installations in CNG Washington State service territory - 330 devices	259 days	Tue 1/4/22	Fri 12/30/22	0%																																																
29	Bellingham District - 73 devices	140 days	Tue 1/4/22	Mon 7/18/22	0%																																																
30	Mount Vernon District - 75 devices	140 days	Tue 3/1/22	Mon 9/12/22	0%																																																
31	Bremerton District - 60 devices	120 days	Mon 4/11/22	Fri 9/23/22	0%																																																
32	Yakima District - 35 devices	70 days	Mon 5/2/22	Fri 8/5/22	0%																																																
33	Walla Walla District - 13 devices	30 days	Mon 6/13/22	Fri 7/22/22	0%																																																
34	Longview District - 9 devices	25 days	Mon 7/11/22	Fri 8/12/22	0%																																																
35	Aberdeen District - 15 devices	30 days	Mon 8/1/22	Fri 9/9/22	0%																																																
36	Kennewick District - 39 devices	90 days	Mon 8/29/22	Fri 12/30/22	0%																																																
37	Wenatchee District - 11 devices	25 days	Mon 10/10/22	Fri 11/11/22	0%																																																
38	Complete a Controlled Load Study per Commission Order 05 in Docket No. UG-200568	147 days	Tue 3/1/22	Wed 9/21/22	0%																																																
39	Request fixed network data for coldest period of the 2021-2022 winter season	1 day	Tue 3/1/22	Tue 3/1/22	0%																																																
40	Perform Sample Size Analysis on winter season data	3 days	Wed 3/2/22	Fri 3/4/22	0%																																																
41	Perform Estimation Techniques on winter season data	20 days	Mon 3/7/22	Fri 4/1/22	0%																																																
42	Meet with interested stakeholders to determine the validity of estimation techniques	40 days	Mon 4/4/22	Fri 5/27/22	0%																																																
43	Perform additional analysis on winter season data, if needed	45 days	Mon 5/30/22	Fri 7/29/22	0%																																																
44	Finalized load study analysis and provide outputs to engineering and regulatory departments	20 days	Mon 8/1/22	Fri 8/26/22	0%																																																
45	File controlled Load Study with UTC per Commission Order 05	19 days	Fri 8/26/22	Wed 9/21/22	0%																																																



ID	Task Name	Duration	Start	Finish	% Complete	2021												2022												2023												2024											
						4th Quarter			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter											
						Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan							
46	CNG FN Coverage Evaluation and Analysis	274 days	Tue 3/1/22	Fri 3/17/23	0%																																																
47	Data gathering by cities/towns of ERT endpoints where FN equipment has been deployed	220 days	Tue 3/1/22	Mon 1/2/23	0%																																																
48	Evaluation of cities/towns with 75% or greater FN coverage	220 days	Mon 3/21/22	Fri 1/20/23	0%																																																
49	Initiate process to convert ERT reads in CNG cities/towns with sufficient FN coverage from mobile read mode to fixed network mode to further increase FN coverage	220 days	Mon 4/11/22	Fri 2/10/23	0%																																																
50	Data gathering of ERT endpoints read by FN in towns converted to FN read mode	225 days	Mon 5/9/22	Fri 3/17/23	0%																																																
51	Complete a Load Study per WAC 480-85 Requirements	206 days	Fri 3/17/23	Fri 12/29/23	0%																																																
52	Request fixed network data for coldest period of the latest winter season	1 day	Fri 3/17/23	Fri 3/17/23	0%																																																
53	Perform Sample Size Analysis on winter season data	1 day	Mon 3/20/23	Mon 3/20/23	0%																																																
54	Perform Estimation Techniques on winter season data	20 days	Tue 3/21/23	Mon 4/17/23	0%																																																
55	Meet with interested stakeholders to determine the validity of estimation techniques	40 days	Tue 4/18/23	Mon 6/12/23	0%																																																
56	Perform additional analysis on winter season data, if needed	45 days	Tue 6/13/23	Mon 8/14/23	0%																																																
57	Finalized load study analysis and provide outputs to engineering and regulatory departments	20 days	Tue 8/15/23	Mon 9/11/23	0%																																																
58	Engineering department to finalized Design Day allocation using load study analysis outputs	44 days	Tue 9/12/23	Fri 11/10/23	0%																																																
59	Regulatory department to finalized Cost of Service Study using Design Day allocation based on load study analysis outputs	32 days	Mon 11/13/23	Tue 12/26/23	0%																																																
60	Load Study used in Cost of Service Study per WAC 480-85 Requirements	3 days	Wed 12/27/23	Fri 12/29/23	0%																																																

