



Mayor
John Bramall

City Manager
Clark R. Fawcett

City of Hurricane

Power Board
Mac J. Hall, Chair
Jerry Brisk
Dean McNeil
Charles Reeve
Kelly Carlson
Pam Humphries

Power Board Meeting Agenda

01/29/2019

3:00 PM

Power Department Meeting Room – 526 W 600 N

Notice is hereby given that the Power Board will hold a Regular Meeting in the Power Department Meeting room located at 526 W 600 N, Hurricane, UT. A silent roll call will be taken, along with the Pledge of Allegiance and prayer by invitation.

AGENDA

1. Pledge of Allegiance
2. Prayer
3. Approval of Minutes from Previous Meeting

SYSTEM UPDATES

Don Behunin/Substation Supervisor

Brian Anderson/Power Superintendent

OLD BUSINESS

1. Generation Cost Analysis
2. DAQ Permit Update
3. Operation #1 Replacement (Central/St. George Cost Sharing)
4. Connection Fee Follow-up

NEW BUSINESS

1. Power Fund Report by Clark Fawcett
2. Prior Year Report
3. Budget
4. UAMPS
5. Other



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The Hurricane City Power Board met on December 11, 2018 at 3:00 p.m. at the Clifton Wilson Substation on 526 W 600 N. In attendance were; Chairman Mac Hall, Dean McNeil, Jerry Brisk, Charles Reeve, Dave Imlay, Brian Anderson, and Don Behunin.

Mac Hall welcomed everyone to the meeting; Pam Humphries led the Pledge of Allegiance, and Charles Reeve offered the prayer. Dean McNeill made the motion to approve the minutes from the previous meeting with the necessary changes and Charles Reeve second the motion. All in favor, the motion passed.

Don Behunin: Reported that the 69KV breaker at the Clifton Wilson Substation is complete. The relay setting for the breaker was not design for what we want it to do, so Intermountain Consumer Professional Engineers (ICPE) is revising the relay settings. The substation crew attended hotline school. Scott Hughes is updating SCADA to allow operations of the 69KV breaker. Dave Imlay provided the Power Board with pictures to view the progress of the 69KV breaker installation.

Brian Anderson: Reported that three of the linemen, and Dave Imlay taught at hotlines school. Brian Anderson reported that wire at Painted Hills, Peregrine Point Phase 4A, Comfort Inn and Sky Ridge Phase 2 has been terminated. The line crew has also built several risers for residential customers. Brian reported that the Christmas Lights were successfully installed on SR9, along with the new Christmas Tree at the Community Center.

Additional Generator Discussion (Unit #9): Don Behunin reported that Caterpillar cannot update the current natural gas generator fleet to match the new G3520H model. Don Behunin is working on the Division of Air Quality application for the anticipated additional generator. The application process is more in depth than originally anticipated. The Power Department may need to hire a consultant to assist in the application process. Dave Imlay presented Dean McNeil's growth research data. Dean McNeill suggested, that the over the course of a few years the current fleet of generators will generate enough kwh cost savings to purchase the additional generator without financing. Dean McNeil explained the sources of information he used to calculate his recommendation.

Discussion and Possible Approval of Updated Connection Fees: Dave Imlay reported that the Power Department connection fees are different from the impact fee collected by the City. Impact fees are designed to cover the cost of substations, transmission and distribution lines. The cost of the 200-amp Connection Fee needs to be lowered and other fees need to raise to match the current material and labor cost. Dave reported that the connection fees are based off of materials and manpower time to provide services such as hookup, building risers, setting transformers, connecting a residential or commercial customer into and existing power source (vault). Hurricane Power Department current 200-amp fee schedule is based on a study done by Power Engineering. The Power Department recently analyzed these services fees to ensure that the costs match the current cost of material and time. The cost of the connection fee collected by the building department needs to be lowered and other fees need to raise to match the current material and labor cost. Jerry Brisk made the motion to accept and recommend the updated fee schedule to the City Council, Dean McNeil second the motion. All in favor, the motion passed.

Carbon Free Power Project Update: Dave Imlay provided the Power Board with the detailed project timeline documents. Dave Imlay stated that UAMPS meets bi-weekly to review the progress of the Carbon Free Power Project.

Post Peak Report Presentation: This report is produced by Rocky Mountain Power. The average high temperature of 101° tied with the all-time highest in 2006 and 2007. The Washington County area annual load projection for 2019 is 2%.

Pah Tempe Hydro Contract Amendment Update: Washington County Conservancy District agreed to renew the contract at a lower rate per kWh.

NUTA Utility Scale Solar Project Participation: Navajo tribal Utility Association is planning to install a utility size solar projected to be complete in 2020. The term of the contract is for 25 years. Hurricane Power Department would need to pay two transmission rates, if they chose to use this resource. The Power Board would prefer to wait for a utility size solar project to become available in the Washington County area.

Budget: Dave Imlay reported the October cost per megawatt was 59.36. kWh sales, cost of sales, revenue, and kwh revenue are ahead of the budgeted amount. Dave provided the power board with the monthly resource usage breakdown, showing that the pool resource was the largest resource used in October. largest resource pool. Dave discussed in detail the power from the Nebo plant is utilized

UAMPS:

Other: Congratulated Charles Appointed Official of the Year Award.

Other:

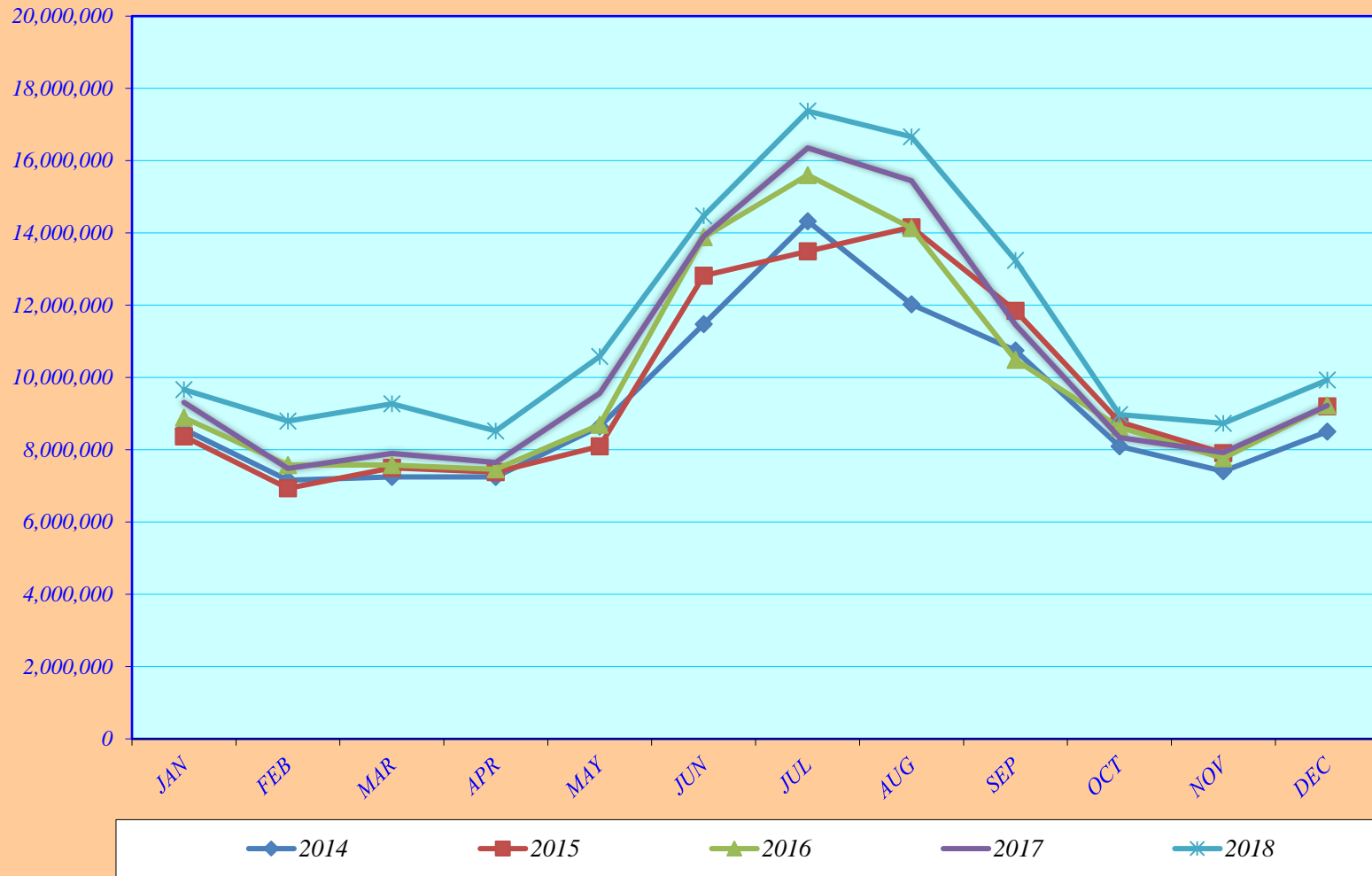
Apprentice Lineman position has been opened.

The Power Board adjourned at 4:40 p.m. The next Power Board Meeting is scheduled for January 29, 2019, at 3:00 PM.

2018 Major Accomplishments:

1. CW-101 (South line) completed after several years of construction was energized for summer loads
2. New (additional) 69KV breaker installed at Clifton Wilson Substation.
3. Re-roofed office building
4. Built large shed for parking equipment under
5. Purchased vac-trailer equipment
6. Ordered new bucket truck
7. Transmission Loop Study
8. Capital Facilities Plan and Impact Fee Study.
9. RP3 application and award notification of higher level achieved.
10. Monthly self-train emergency protocol policy started and maintained.
11. Black-Start of generation study and related upgrades need to accomplish for what the generation was originally purchased.
12. P.O. spreadsheet to track long lead time P.O.s.
13. Workorder spreadsheet to track workorders.
14. Projects spreadsheet to track the many construction projects from approval to sign off.
15. Server installed for security and ease of access of shared documents.
16. Korde became Journey Lineman.
17. Cameras and monitors for security
18. GIS screen and small conference room set up.
19. Tail board/job briefing app developed by Scott Hughes
20. Very successful generator run

2014 - 2018 KWH LOAD



HURRICANE CITY LOAD 2014 to 2018 (All usage in Kilowatt Hours)

	<i>Washington CountyConservancy District Hurricane Hydro Meter 4605</i>					<i>UAMPS Meter At Millcreek 4675 (Hurricane Substations)</i>					<i>Pacificore Gate Way Meter 4660</i>					<i>Roof Top Solar</i>				
<i>YEAR</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>
<i>JAN</i>	96,811	89,274	345,394	306,505	89,673	8,464,463	8,254,309	8,510,366	8,970,214	9,557,686	0	15,995	19,639	20,537	0	2,430	3,642	5,200	6,690	7,364
<i>FEB</i>	183,922	59,711	315,176	296,123	66,377	6,966,182	6,844,670	7,234,434	7,154,821	8,710,620	0	17,524	18,786	18,753	0	3,386	4,748	7,381	7,659	8,506
<i>MAR</i>	403,981	120,088	274,326	331,747	224,338	6,833,460	7,351,782	7,545,218	7,538,524	9,041,059	0	19,663	19,487	22,007	0	3,423	5,819	14,601	9,300	9,834
<i>APR</i>	382,420	154,376	257,110	117,788	310,394	6,858,281	7,185,998	7,433,468	7,502,044	8,173,331	0	19,149	17,724	20,229	15,657	5,300	8,637	16,263	14,017	14,323
<i>MAY</i>	413,133	185,782	332,625	210,438	345,380	8,222,849	7,872,571	8,661,881	9,322,946	10,192,518	0	19,186	19,956	21,709	20,284	5,664	8,974	15,789	17,843	17,226
<i>JUN</i>	277,096	295,333	281,332	377,958	244,665	10,963,916	11,339,478	12,968,260	13,090,695	12,666,791	0	20,967	21,767	23,557	24,149	6,054	8,957	17,040	16,352	18,862
<i>JUL</i>	327,324	361,883	332,623	390,340	280,295	12,370,755	12,207,261	14,499,290	15,200,585	14,958,654	0	21,560	23,320	24,854	25,161	4,707	7,009	11,819	12,941	12,780
<i>AUG</i>	350,540	369,461	319,927	393,821	259,900	11,194,295	13,079,157	13,330,138	14,252,412	14,918,740	0	21,860	20,097	24,501	24,626	4,059	7,320	9,409	9,232	8,730
<i>SEP</i>	330,715	337,450	330,246	386,624	234,479	10,343,918	11,470,071	10,464,853	10,926,507	12,969,115	0	16,194	21,731	24,501	23,003	4,892	7,093	11,255	8,601	11,886
<i>OCT</i>	224,250	326,631	344,940	199,457	299,120	7,856,735	8,413,561	8,603,484	8,083,288	8,644,867	0	18,750	21,933	22,944	11,209	4,981	7,494	9,400	8,164	11,090
<i>NOV</i>	61,112	293,411	324,761	96,117	178,581	7,333,332	7,552,351	7,740,508	7,799,619	8,512,028	0	18,750	20,375	21,958	17,755	7,387	8,074	10,521	8,866	12,751
<i>DEC</i>	97,542	315,336	317,960	92,224	120,137	8,390,229	8,735,132	9,195,771	9,124,728	9,769,888	0	18,670	20,438	2,675	21,287	4,225	8,579	9,273	7,013	11,130
<i>TOT</i>	3,148,846	2,908,736	3,776,420	3,199,142	2,653,339	105,798,415	110,306,341	116,187,671	118,966,383	128,115,297	0	228,268	245,253	248,225	183,131	56,508	86,346	137,951	126,678	144,482

	<i>Hurricane City Generators Meter 4608</i>					<i>UAMPS, Pacificore, Generators & Hydro Meters 4646</i>					<i>PERCENTAGE OF GROWTH</i>					
<i>YEAR</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>4or5yr Avg</i>
<i>JAN</i>	6,343	6,127	7,948	6,379	6,511	8,570,047	8,370,291	8,884,903	9,310,325	9,661,234	-3.66%	-2.39%	5.79%	4.57%	3.63%	1.59%
<i>FEB</i>	5,432	5,525	7,224	6,286	6,124	7,158,922	6,933,265	7,581,715	7,483,642	8,791,627	-1.08%	-3.25%	8.55%	-1.31%	14.88%	3.56%
<i>MAR</i>	6,328	5,246	13,319	6,403	5,102	7,247,192	7,503,771	7,578,024	7,898,681	9,270,499	-1.49%	-1.49%	2.24%	0.98%	14.80%	3.01%
<i>APR</i>	6,248	13,872	7,280	7,043	23,515	7,252,249	7,383,644	7,458,472	7,647,104	8,522,897	1.76%	1.78%	1.00%	2.47%	10.28%	3.46%
<i>MAY</i>	6,567	6,738	7,266	6,554	5,872	8,648,213	8,094,699	8,689,103	9,561,647	10,581,280	2.97%	-6.84%	6.84%	9.13%	9.64%	4.35%
<i>JUN</i>	225,764	1,155,585	897,100	412,941	1,515,276	11,472,830	12,820,320	13,887,127	13,905,151	14,469,743	-6.40%	10.51%	7.68%	0.13%	3.90%	3.16%
<i>JUL</i>	1,623,234	897,323	1,081,715	737,165	2,095,313	14,326,748	13,495,036	15,604,325	16,352,944	17,372,203	0.72%	-6.16%	13.52%	4.58%	5.87%	3.70%
<i>AUG</i>	473,104	683,312	784,737	772,879	1,446,526	12,022,749	14,161,110	14,134,972	15,443,613	16,658,522	-10.22%	15.10%	-0.18%	8.47%	7.29%	4.09%
<i>SEP</i>	70,232	13,487	2,009	124,404	5,883	10,750,578	11,844,295	10,488,593	11,462,036	13,244,366	9.30%	9.23%	-12.93%	8.49%	13.46%	5.51%
<i>OCT</i>	6,028	6,696	0	32,947	7,072	8,092,909	8,773,132	8,625,417	8,338,636	8,973,358	8.02%	7.75%	-1.71%	-3.44%	7.07%	3.54%
<i>NOV</i>	161	7,182	6,423	8,010	13,451	7,403,339	7,906,589	7,767,306	7,925,704	8,734,566	0.07%	6.36%	-1.79%	2.00%	9.26%	3.18%
<i>DEC</i>	6,728	6,880	6,582	9,689	6,463	8,500,371	9,204,145	9,222,791	9,229,316	9,928,905	-10.87%	7.65%	0.20%	0.07%	7.05%	0.82%
<i>TOT</i>	2,436,169	2,807,973	2,821,603	2,130,700	5,137,108	111,446,147	116,490,297	119,922,748	124,558,799	136,209,200	2.06%	4.33%	2.86%	3.87%	8.55%	4.33%
<i>TOT</i>									124,558,799	136,209,200				YTD	8.55%	

2014 - 2018 KW LOAD

