

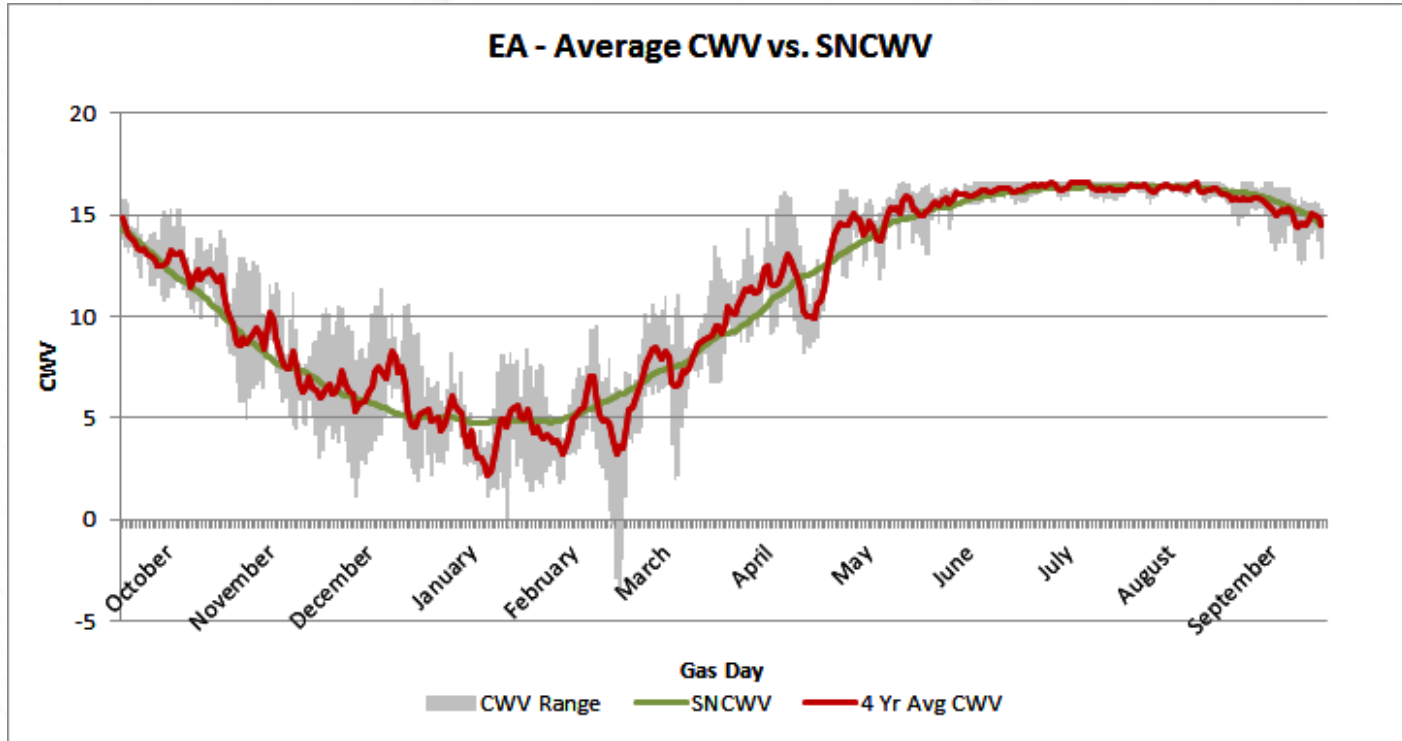


Demand Estimation Sub Committee

Seasonal Normal Review 2020:
SNCWV Review Appendix 1

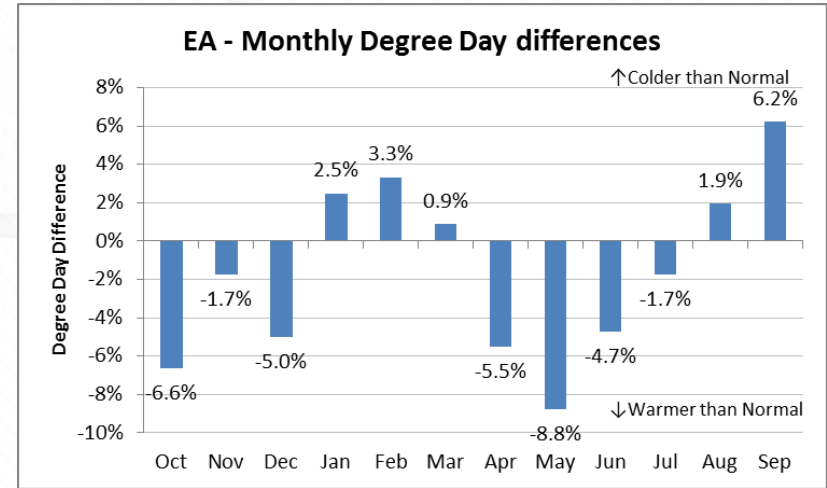
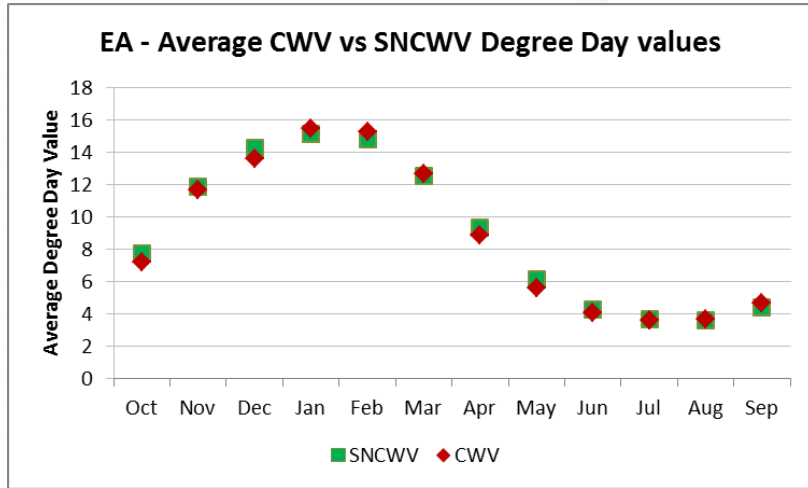
8th July 2019

Review of SNCWV (EA)



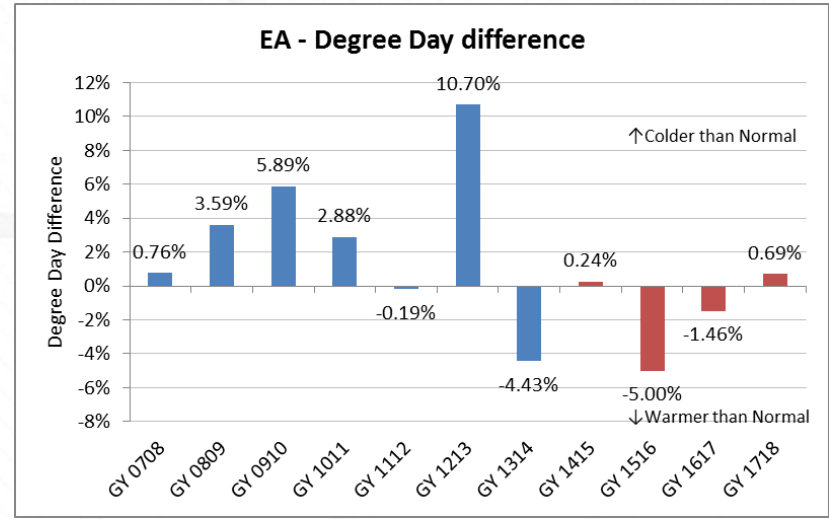
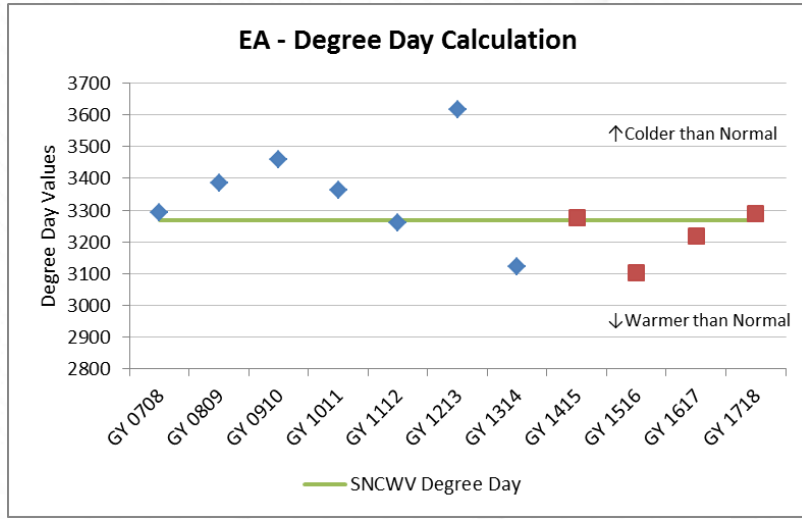
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (EA)



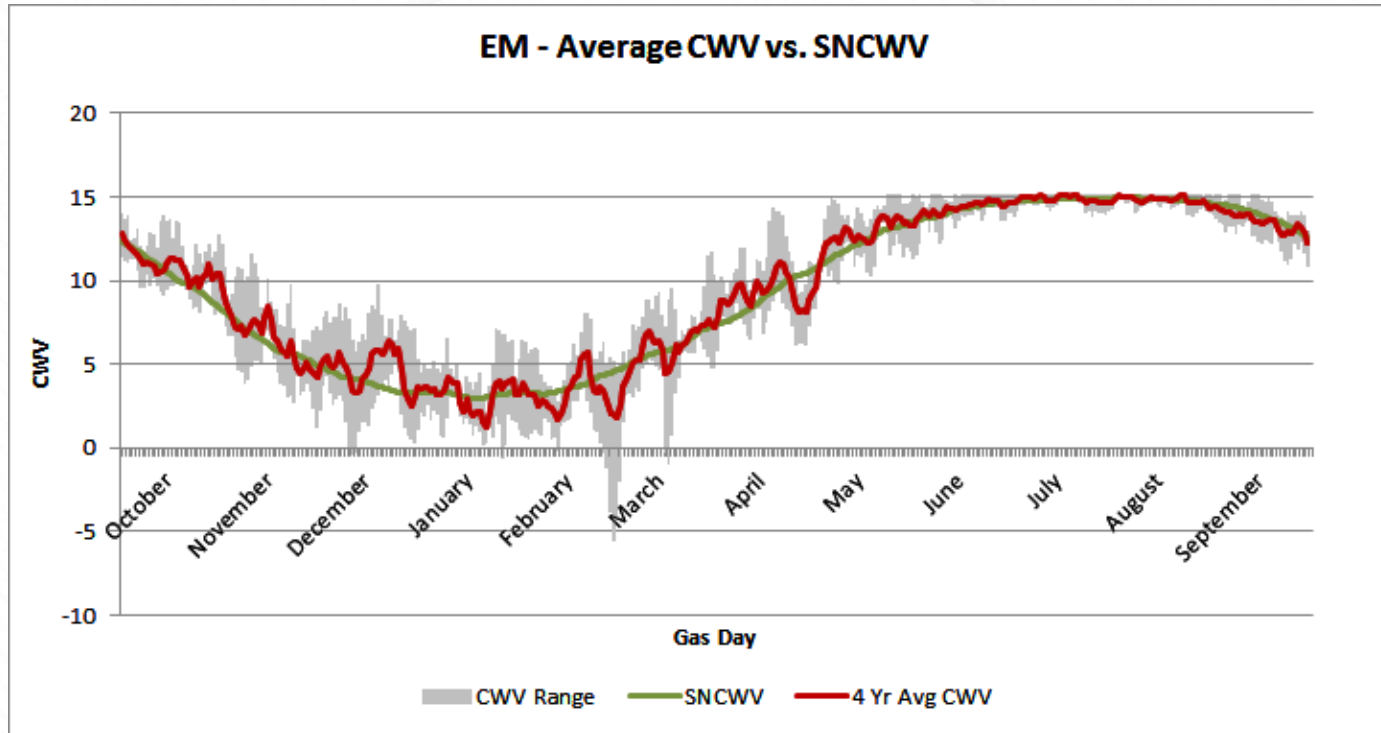
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (EA)



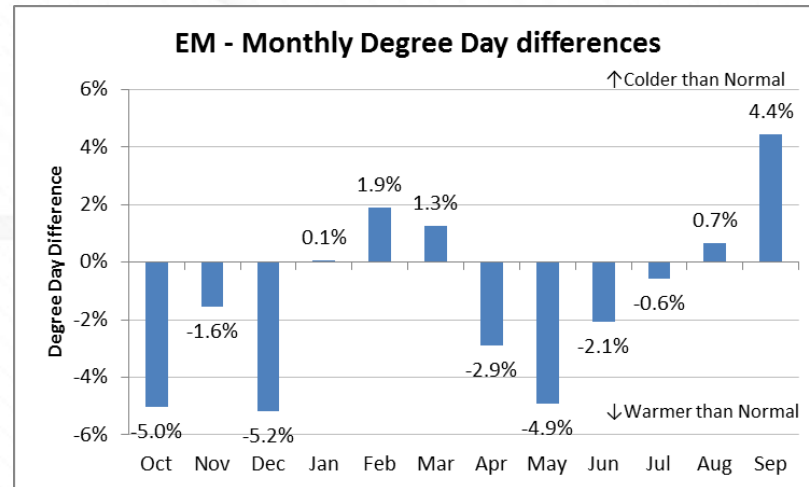
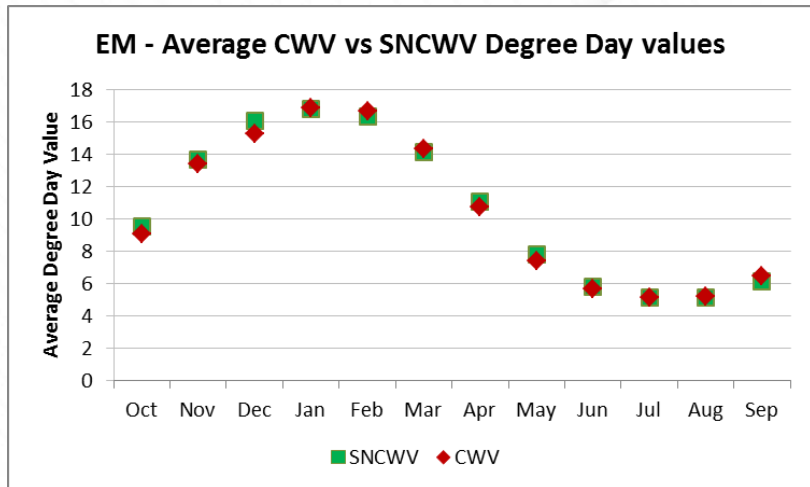
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that EA was approximately 1.38% warmer than Seasonal Normal

Review of SNCWV (EM)



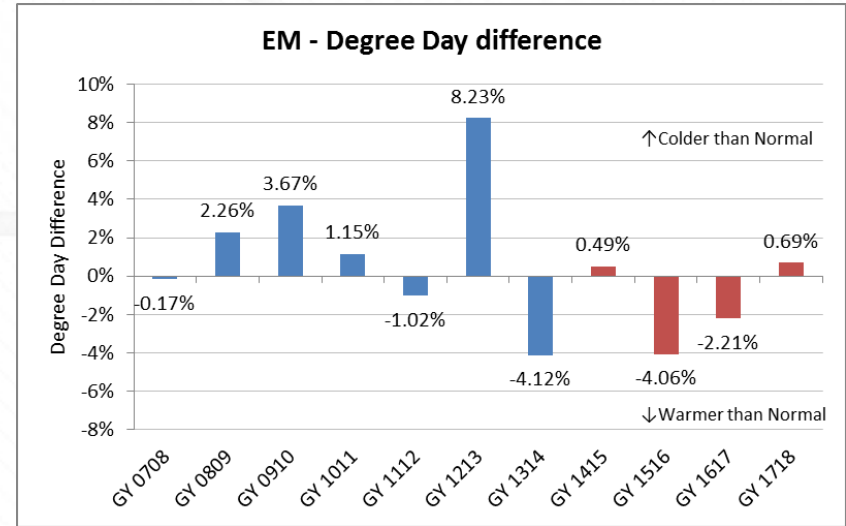
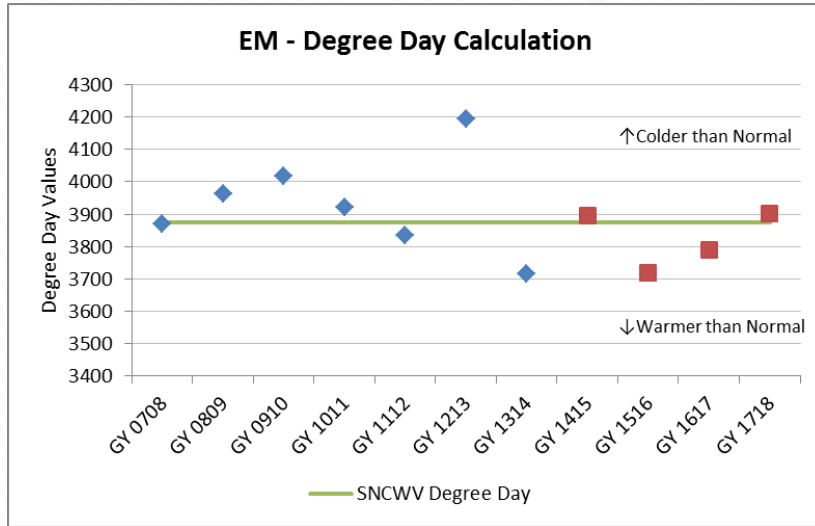
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (EM)



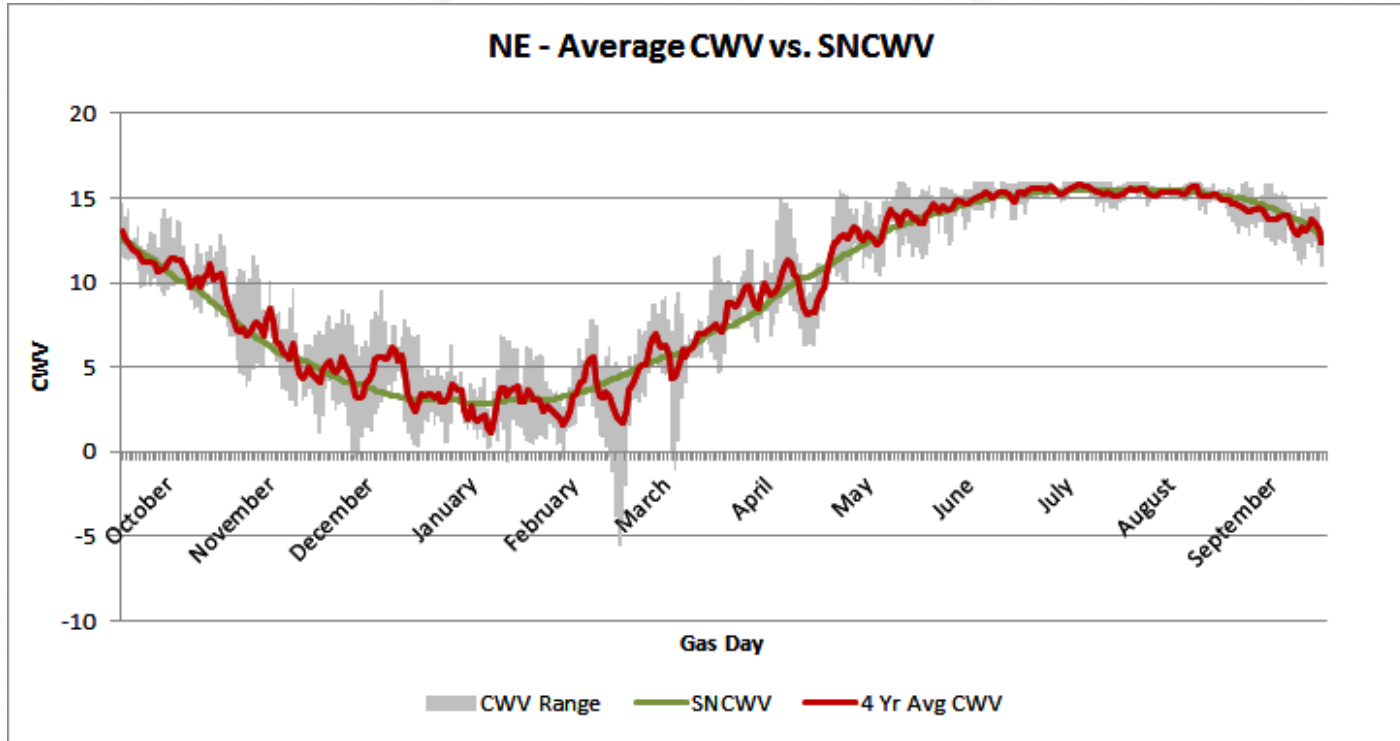
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (EM)



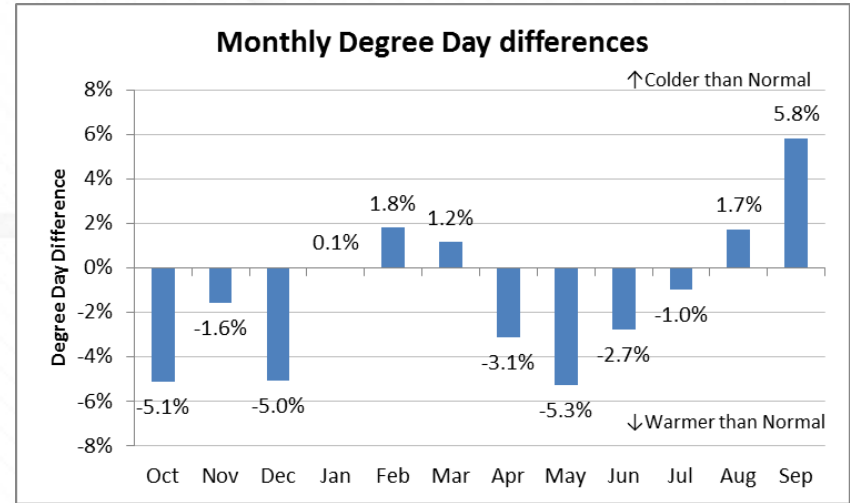
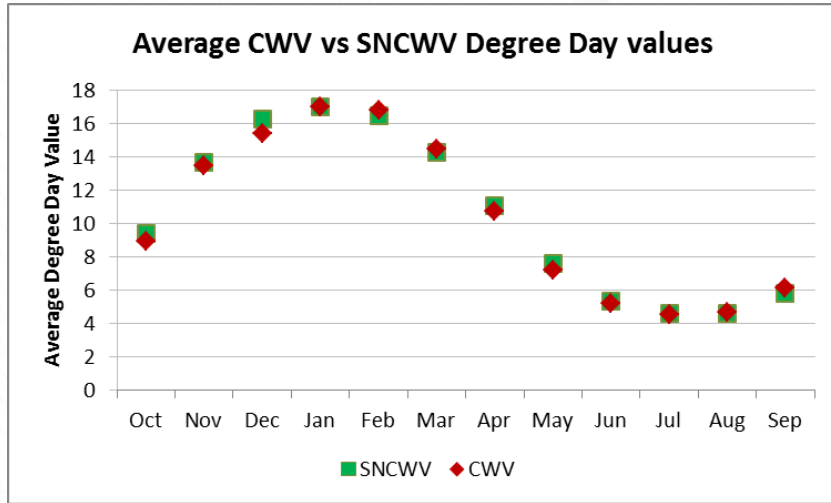
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that EM was approximately 1.27% warmer than Seasonal Normal

Review of SNCWV (NE)



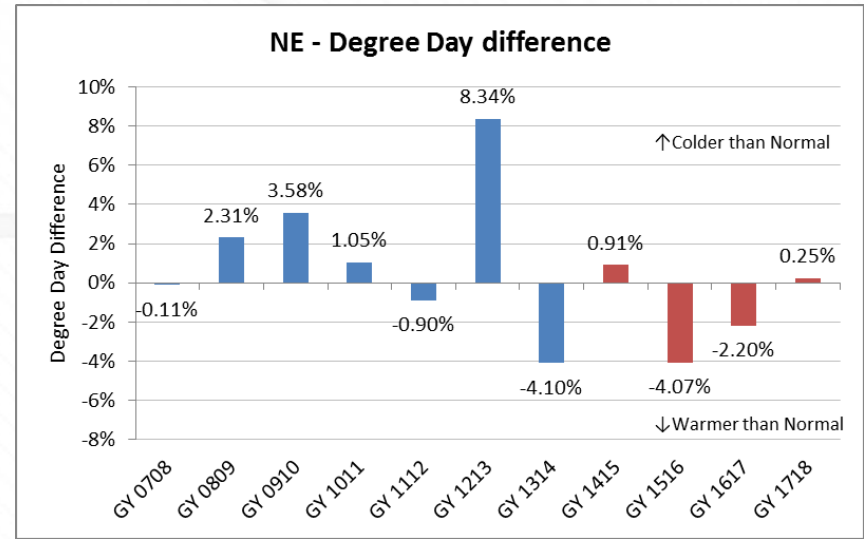
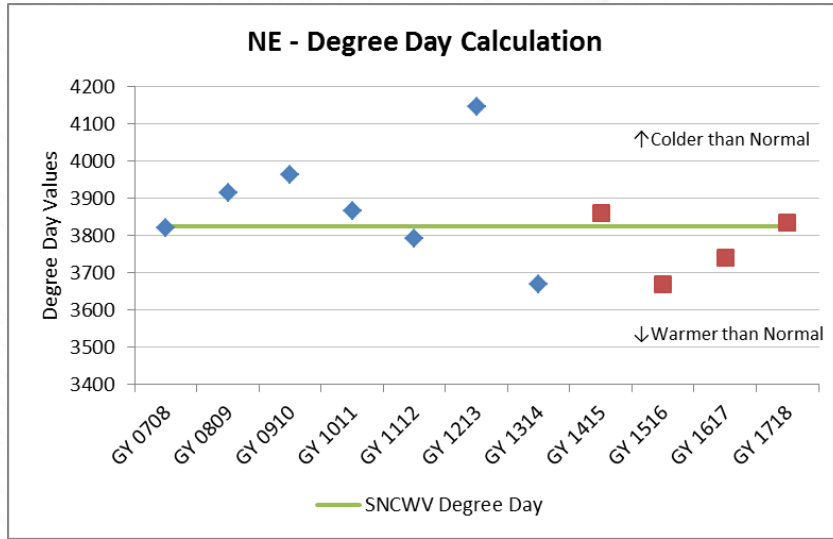
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (NE)



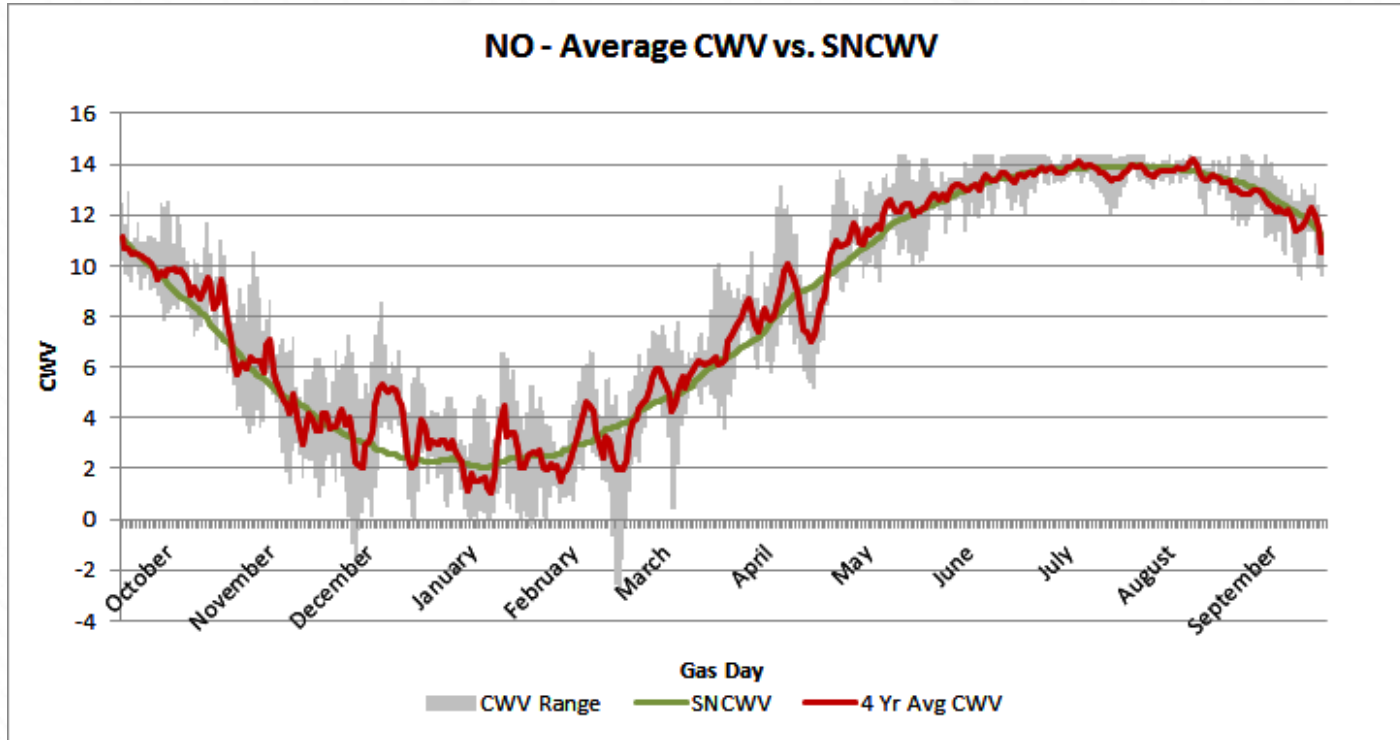
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (NE)



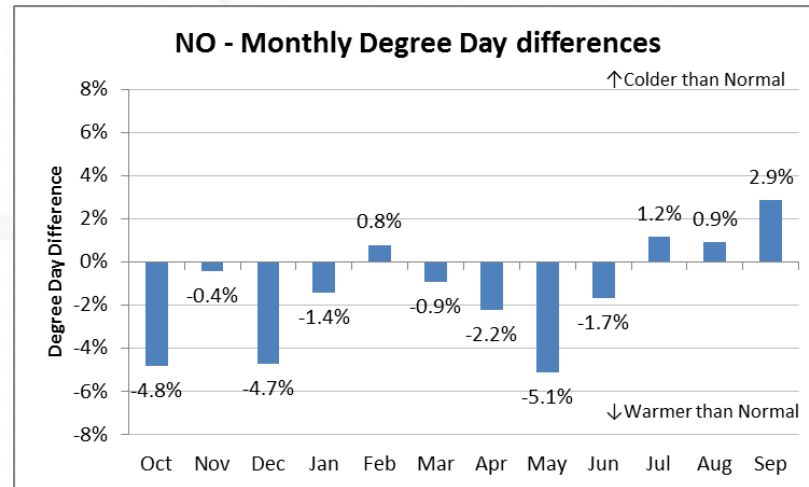
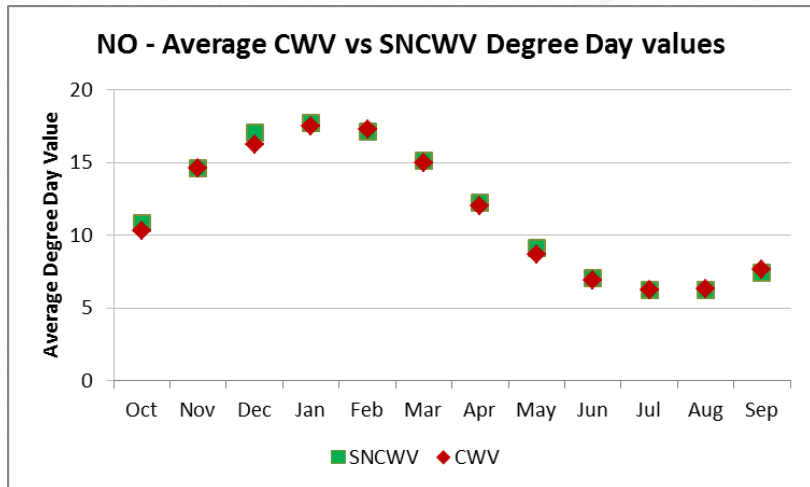
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that NE was approximately 1.28% warmer than Seasonal Normal

Review of SNCWV (NO)



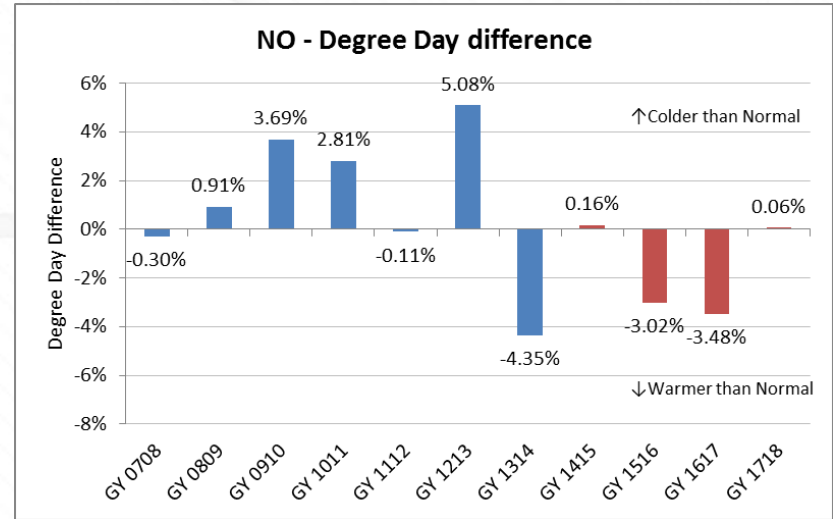
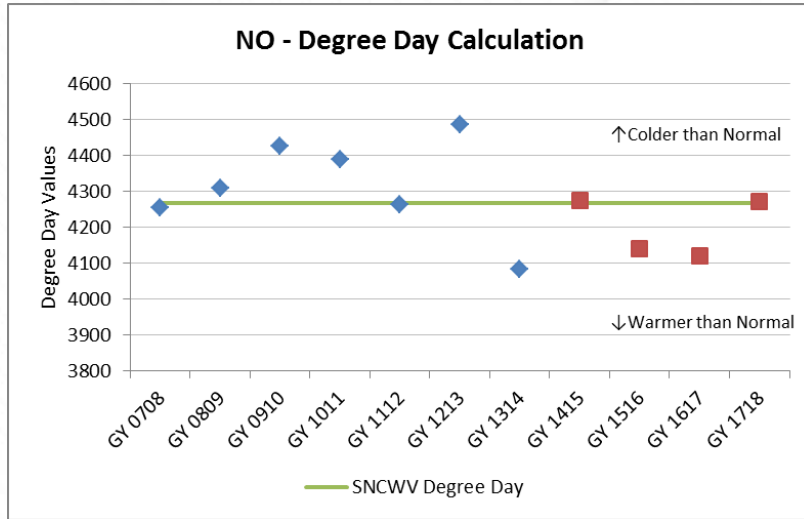
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (NO)



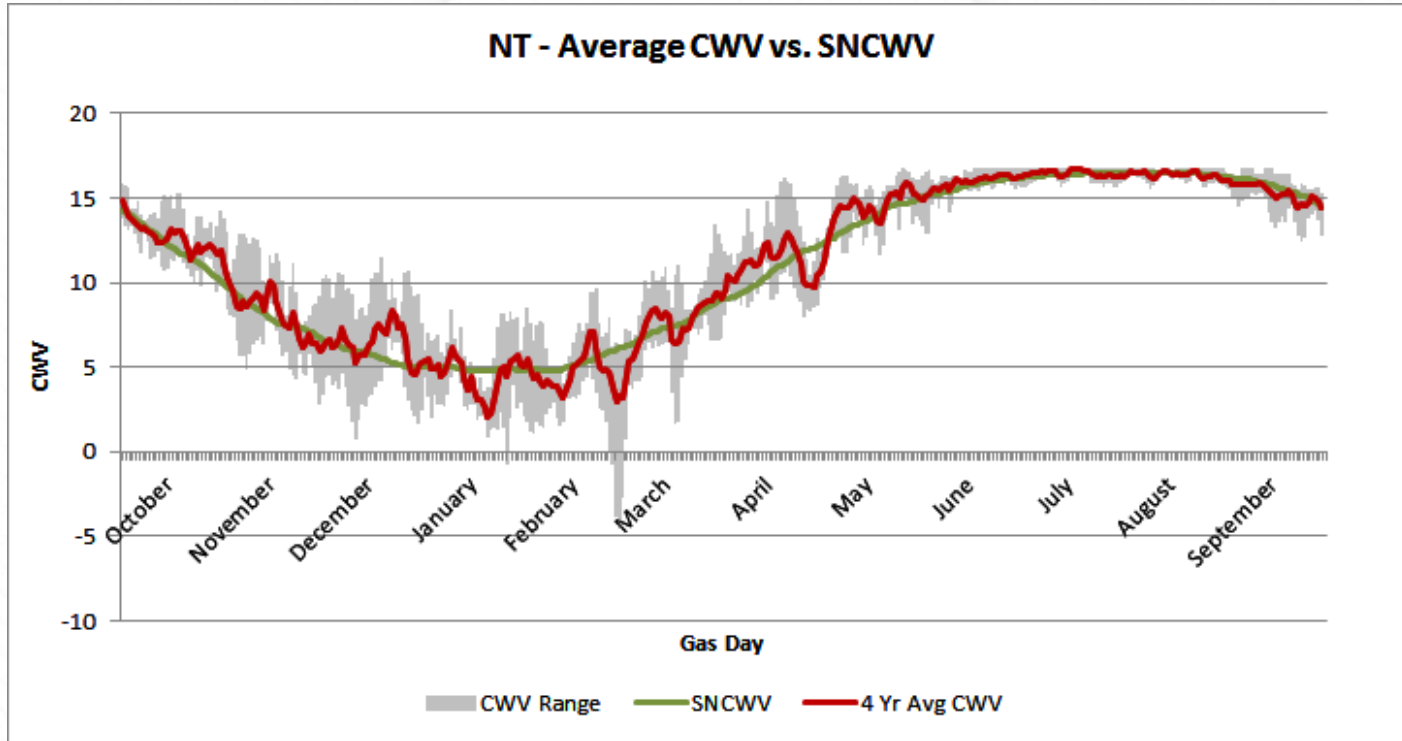
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (NO)



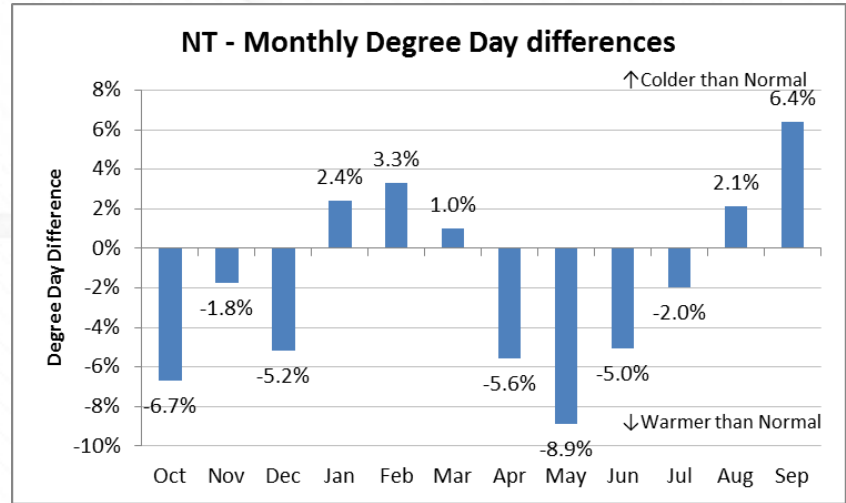
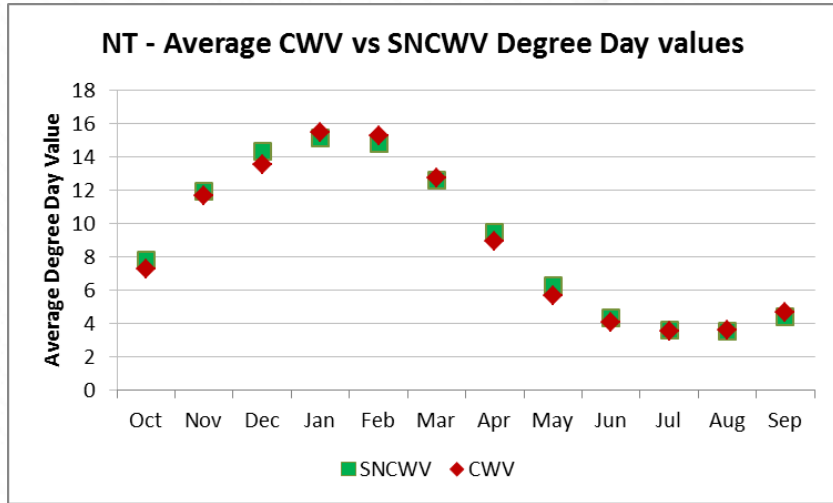
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that NO was approximately 1.57% warmer than Seasonal Normal

Review of SNCWV (NT)



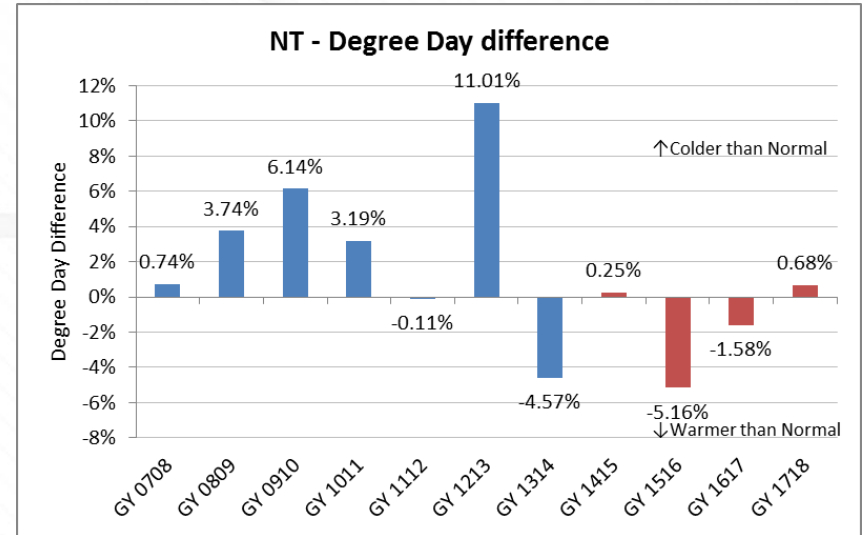
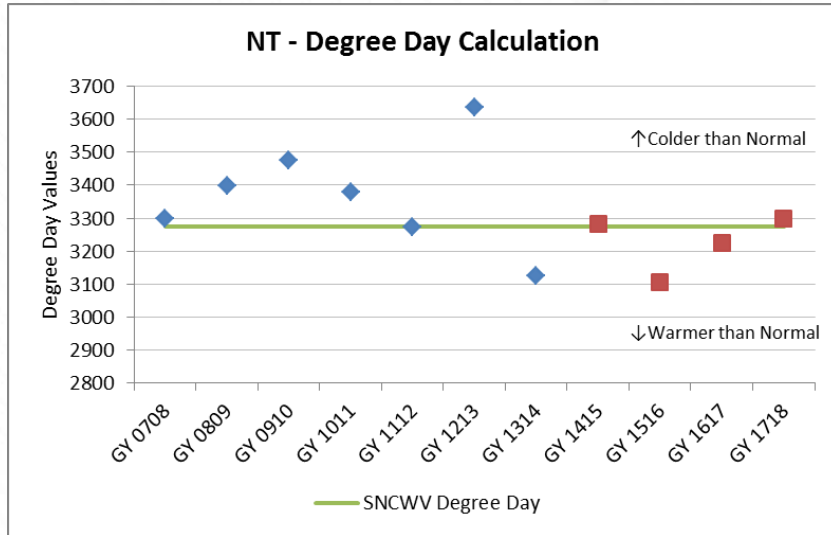
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (NT)



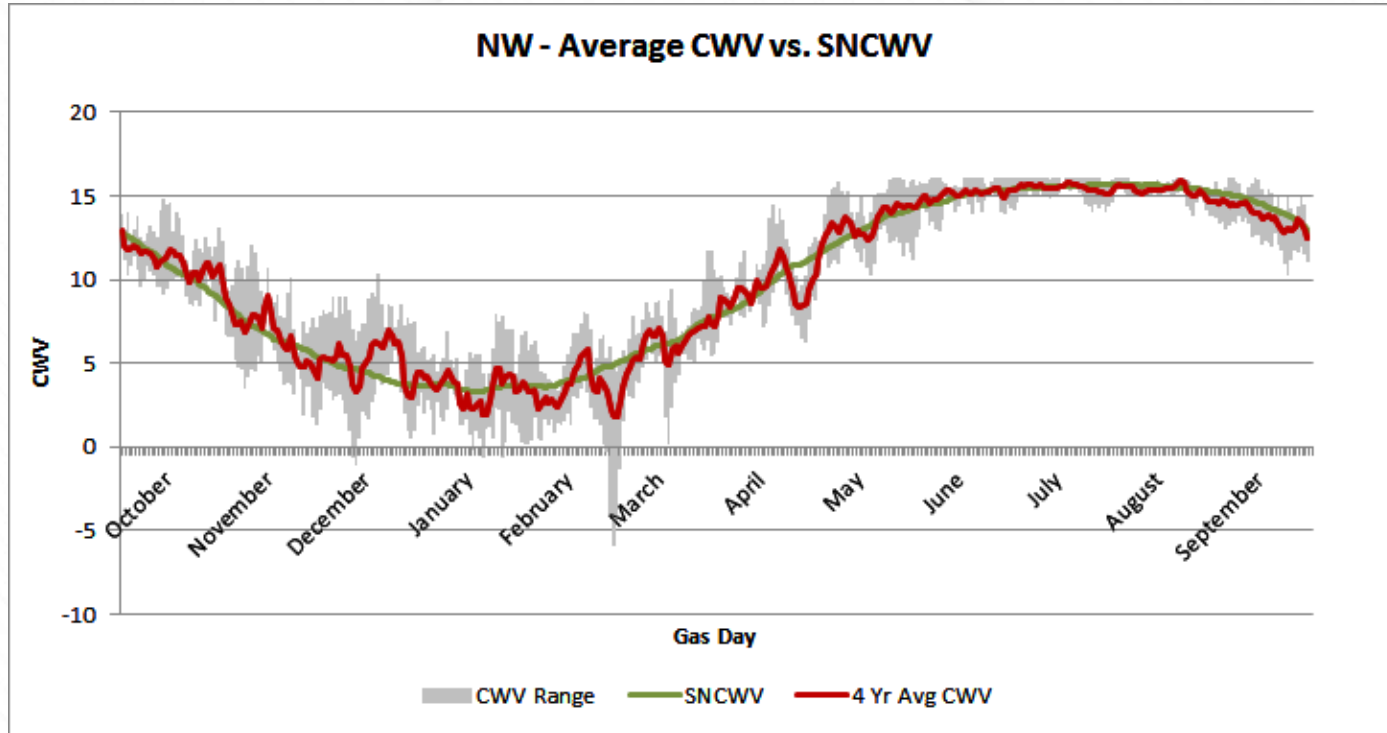
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (NT)



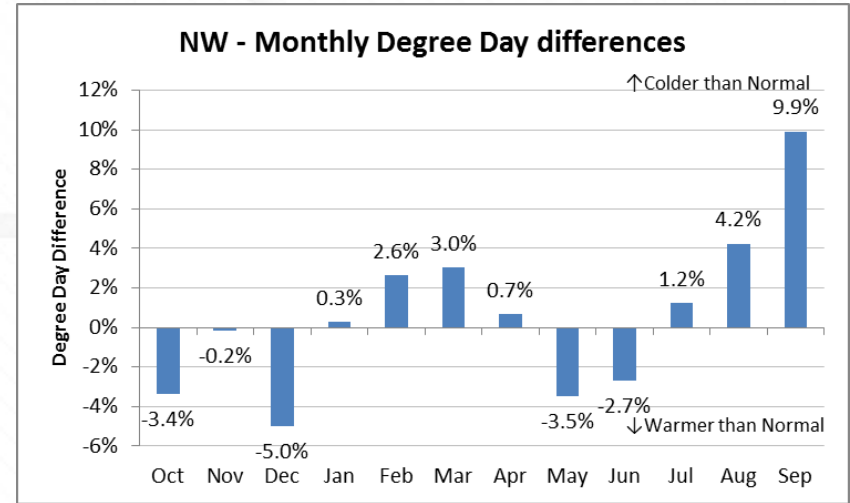
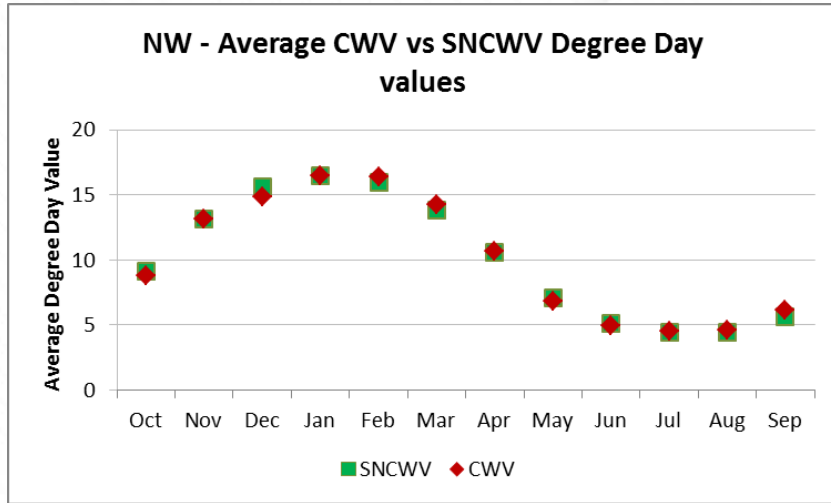
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that NT was approximately 1.45% warmer than Seasonal Normal

Review of SNCWV (NW)



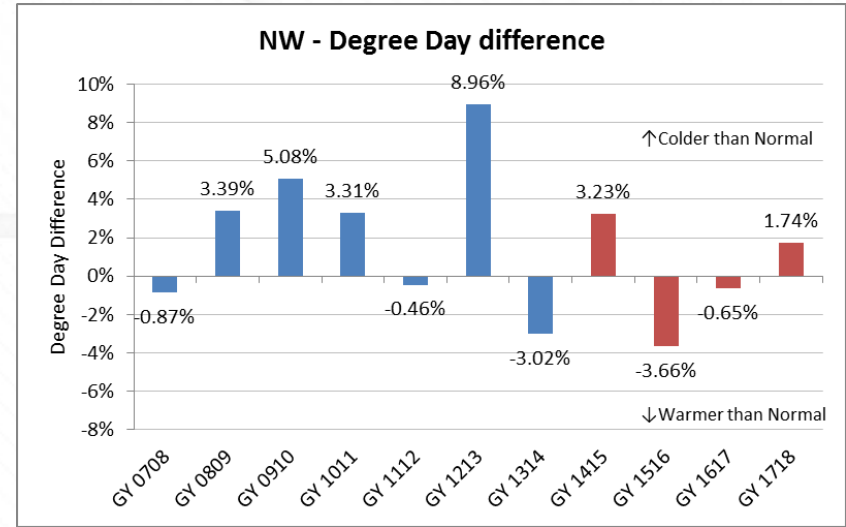
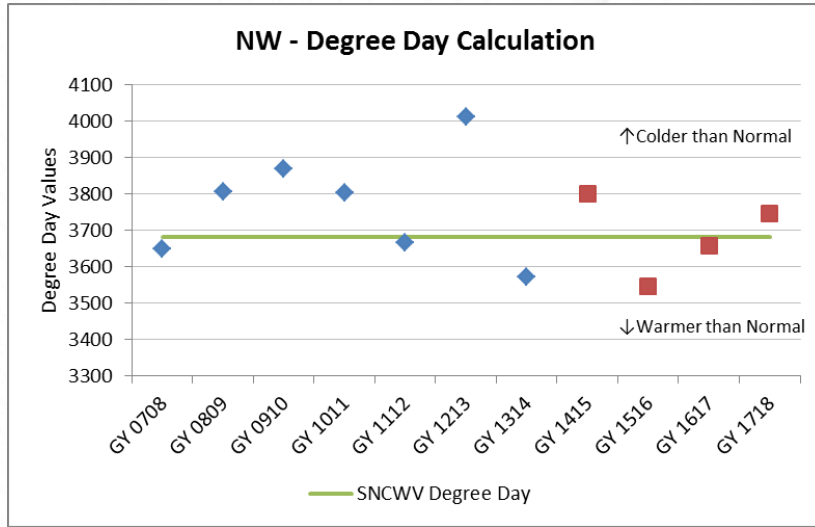
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (NW)



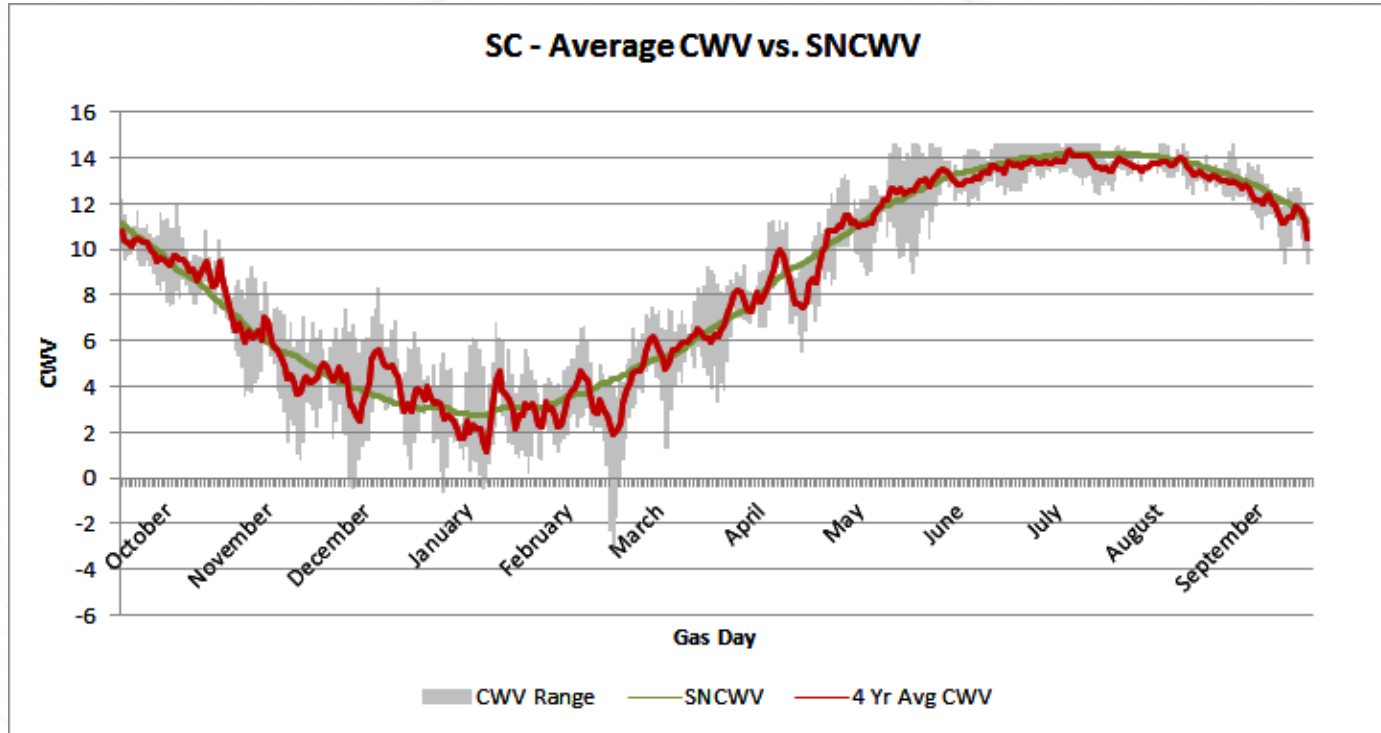
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (NW)



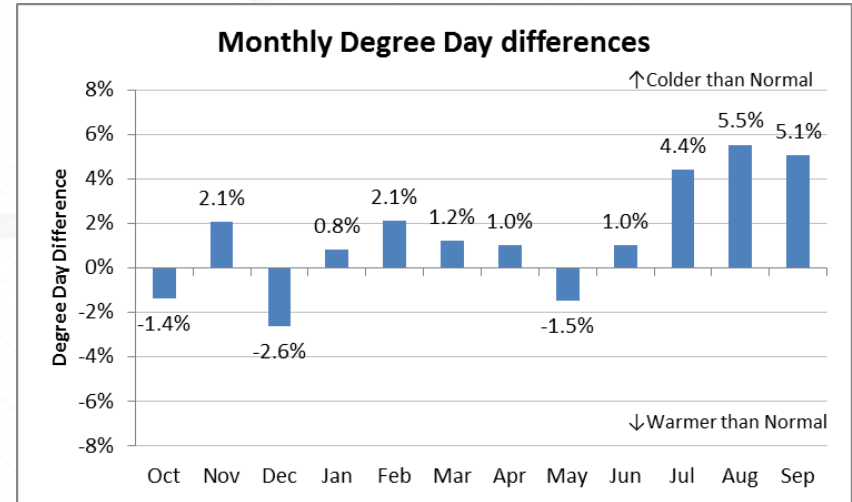
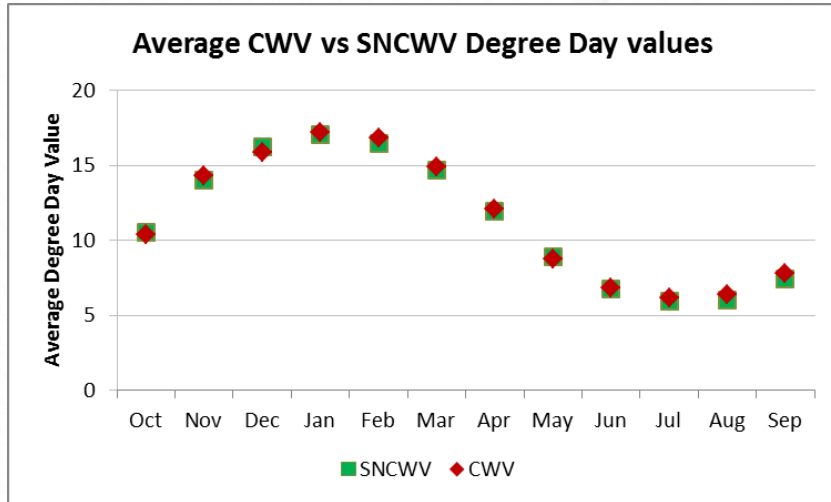
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that NW was approximately 0.17% colder than Seasonal Normal

Review of SNCWV (SC)



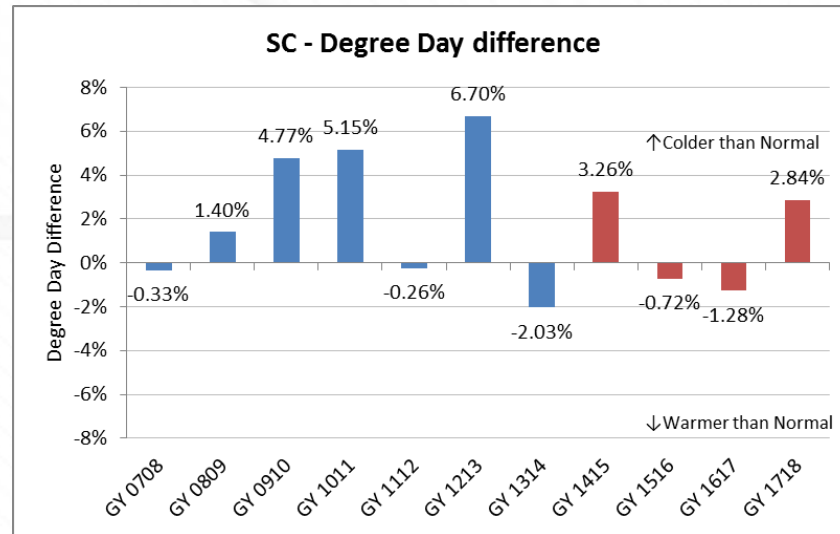
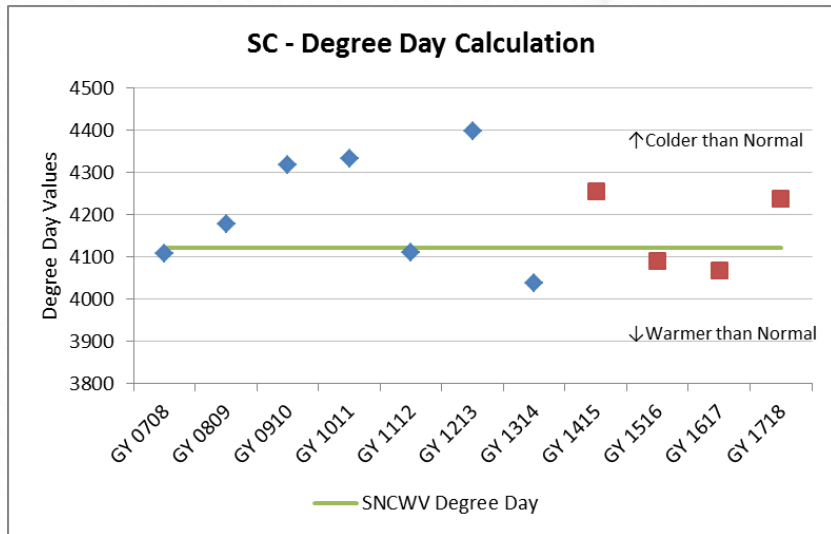
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (SC)



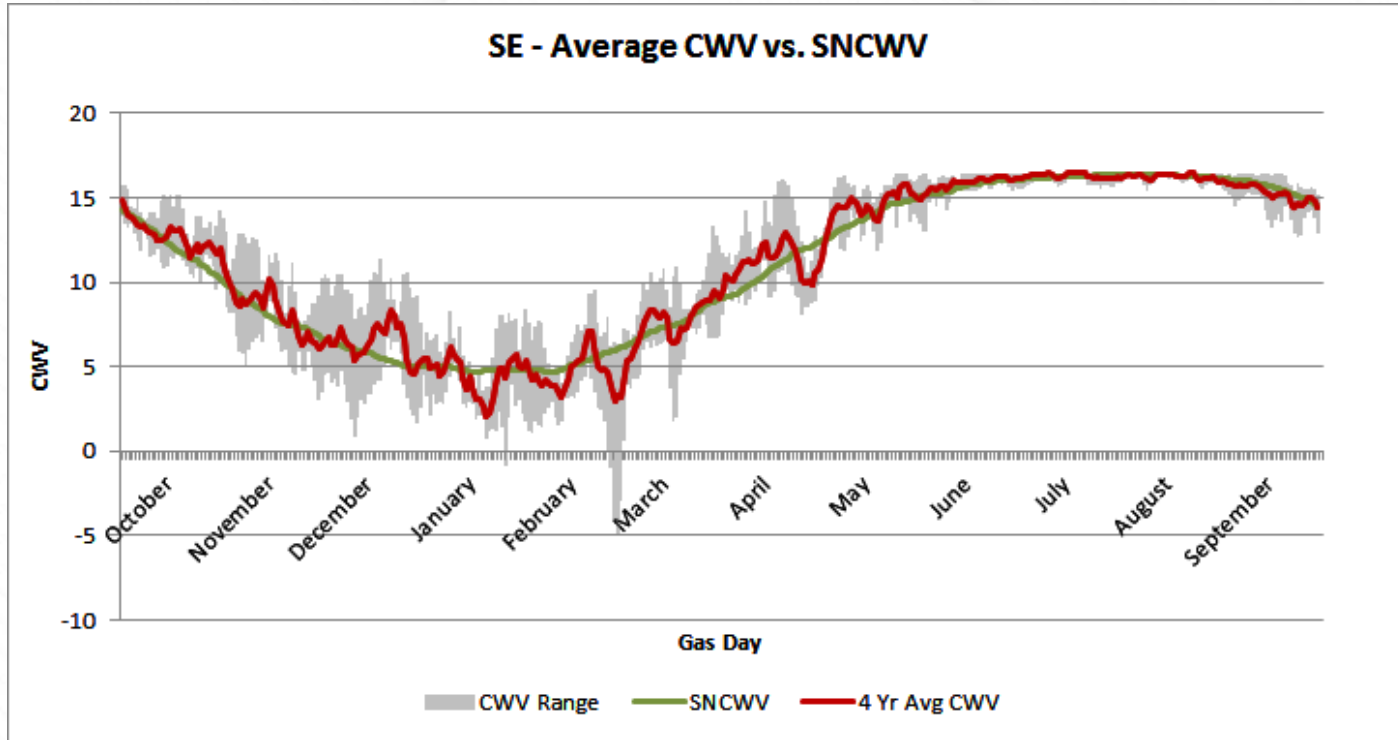
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (SC)



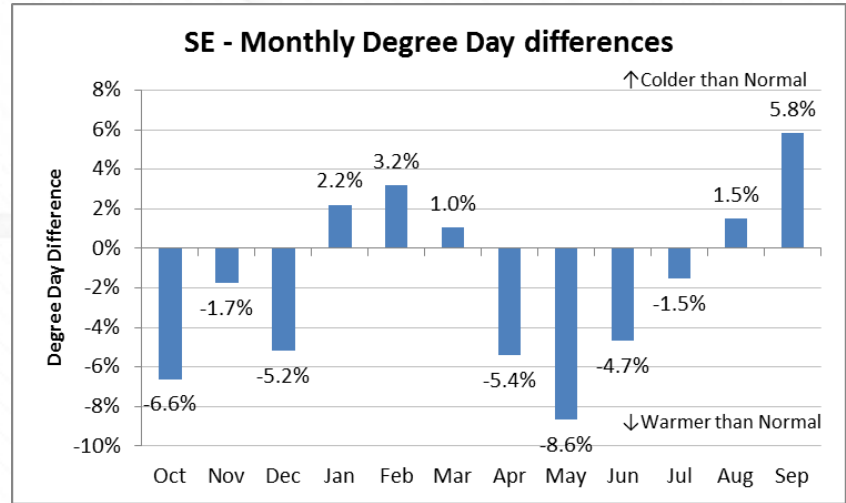
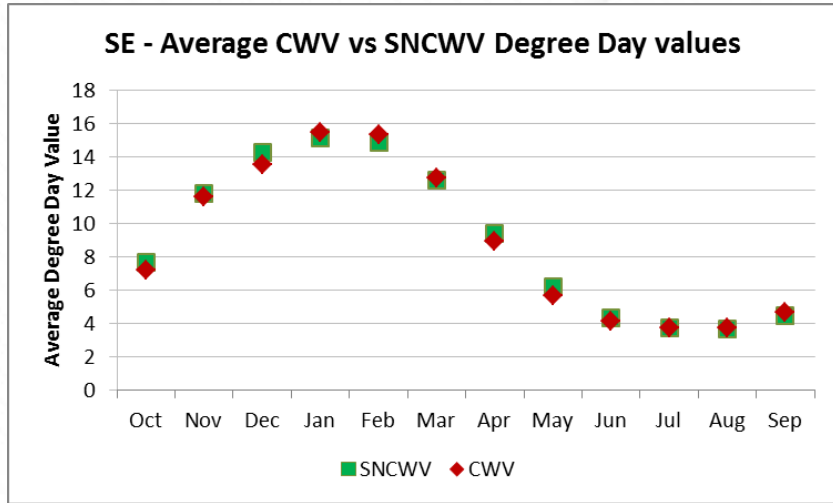
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that SC was approximately 1.02% colder than Seasonal Normal

Review of SNCWV (SE)



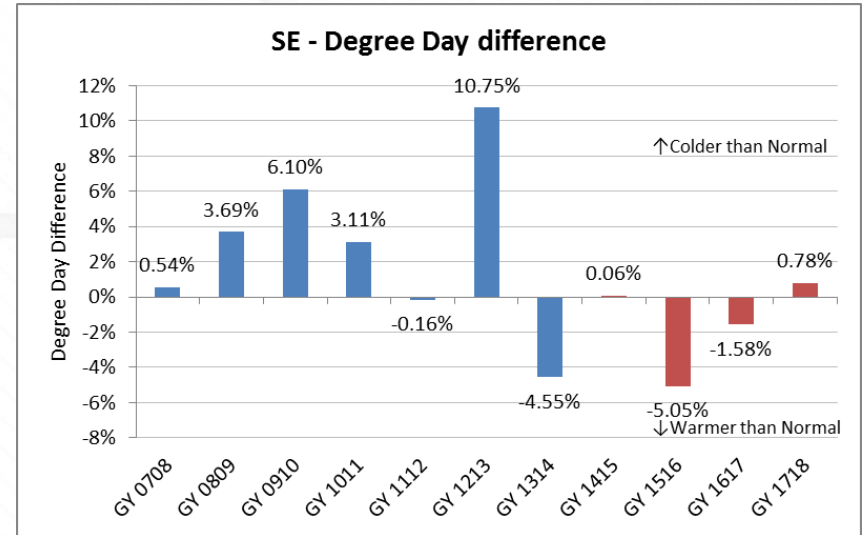
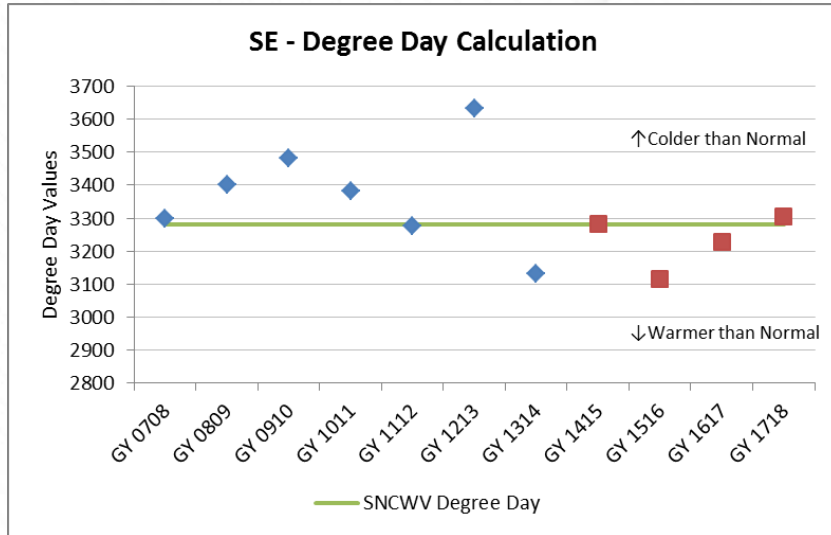
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (SE)



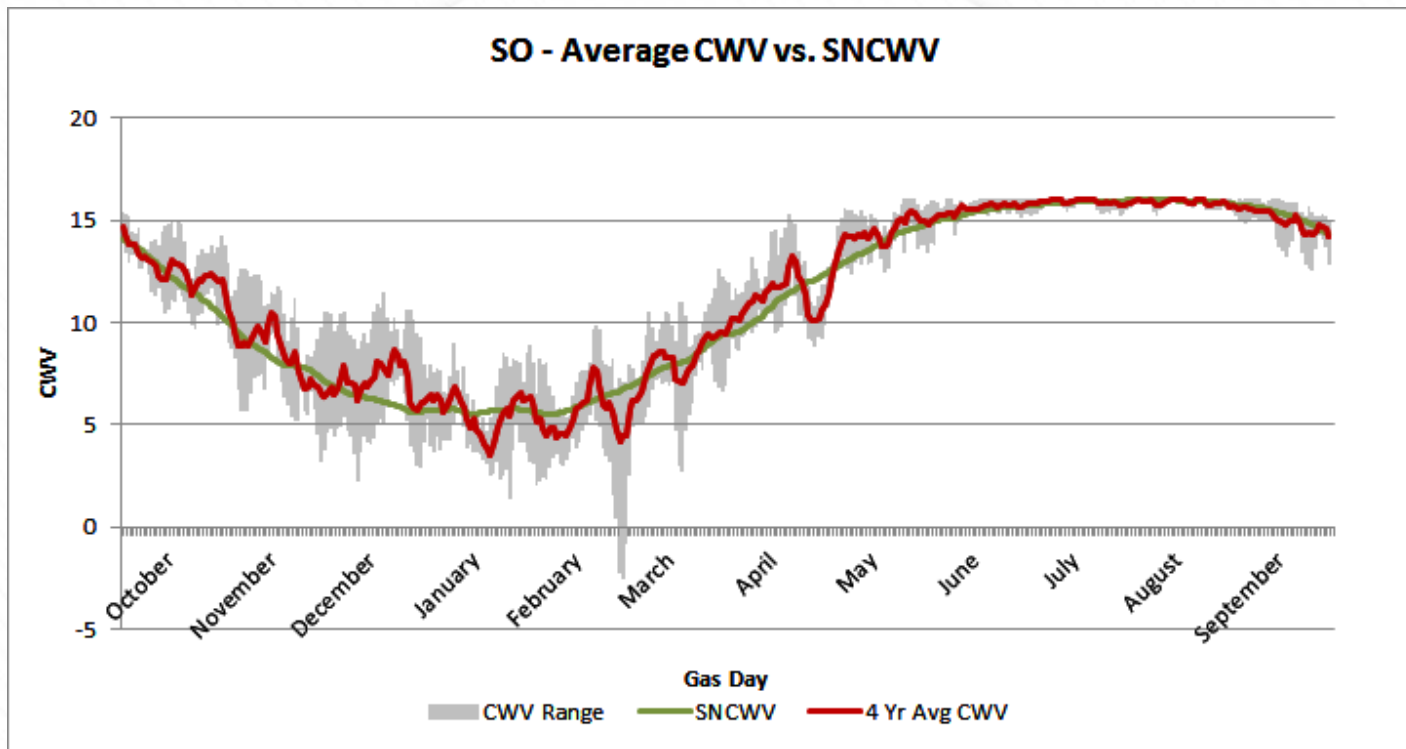
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (SE)



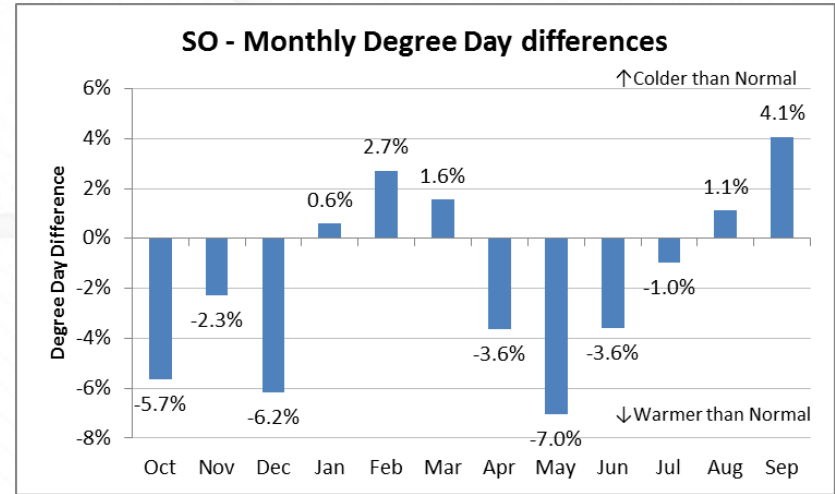
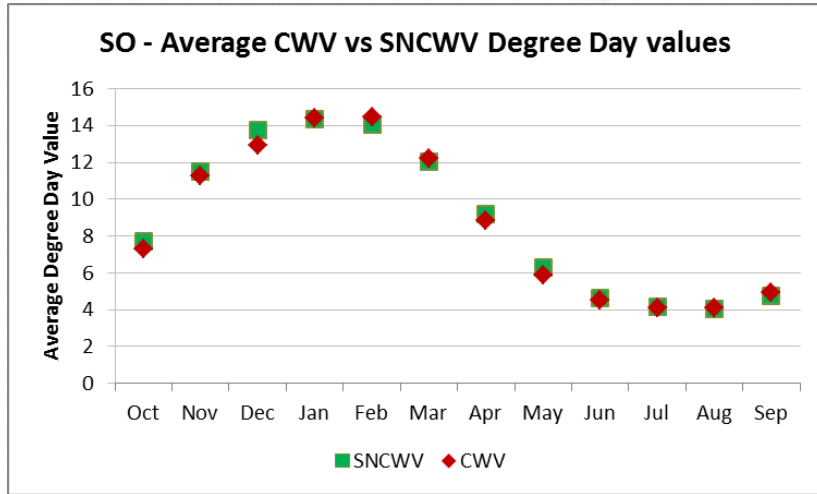
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that SE was approximately 1.45% warmer than Seasonal Normal

Review of SNCWV (SO)



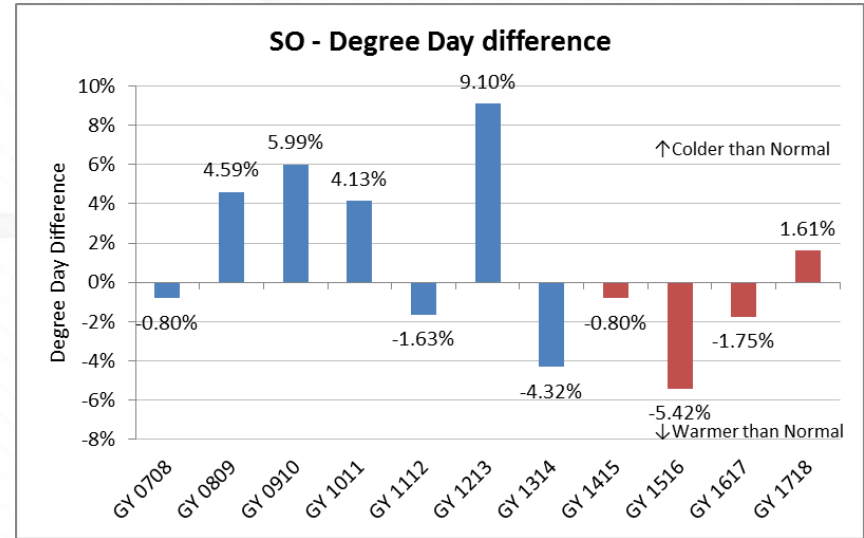
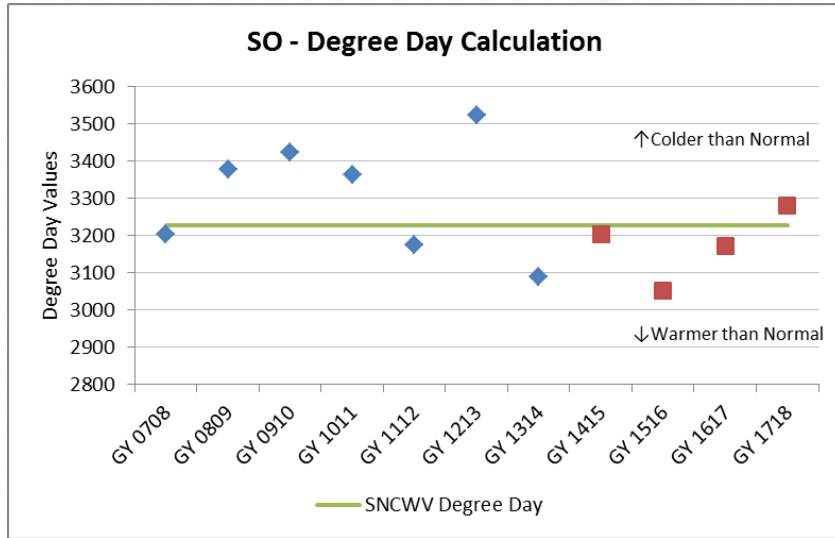
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (SO)



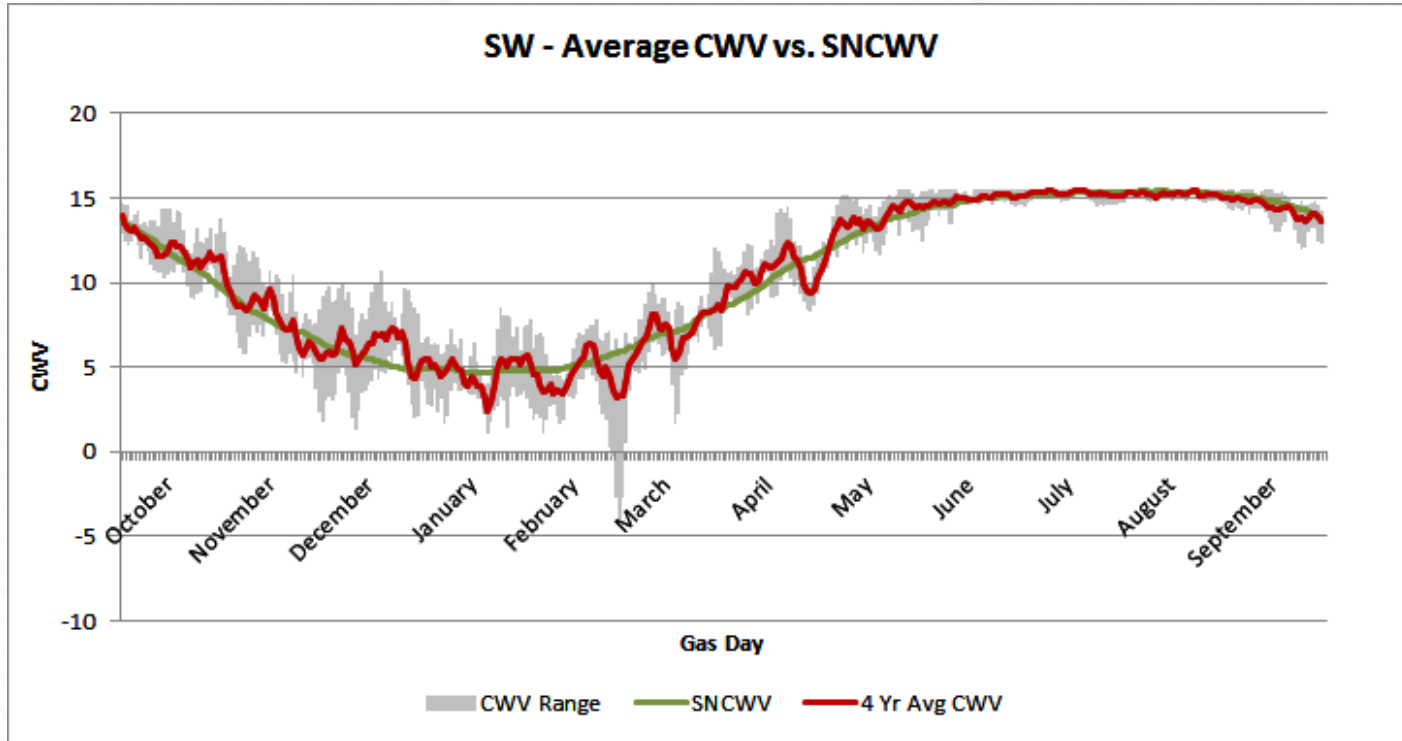
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (SO)



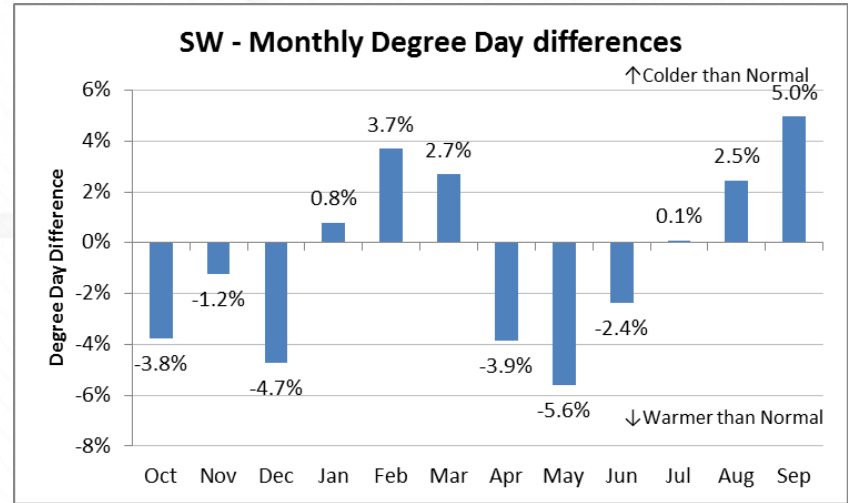
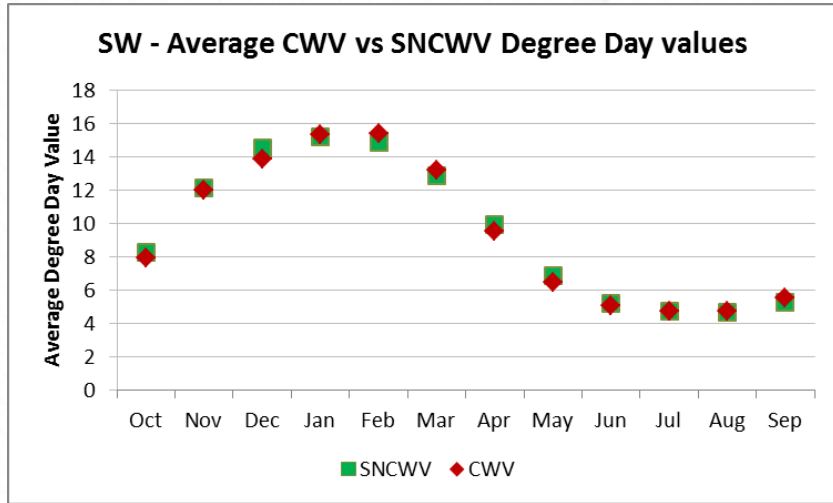
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that SO was approximately 1.59% warmer than Seasonal Normal

Review of SNCWV (SW)



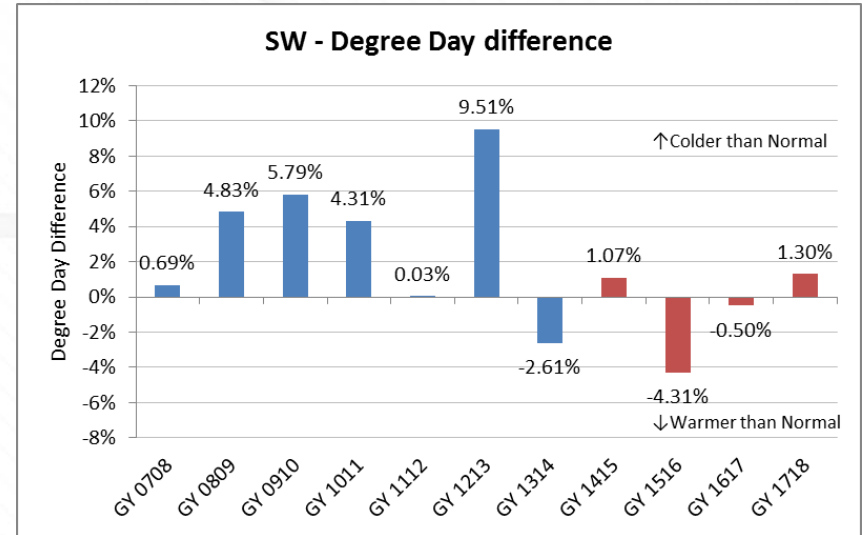
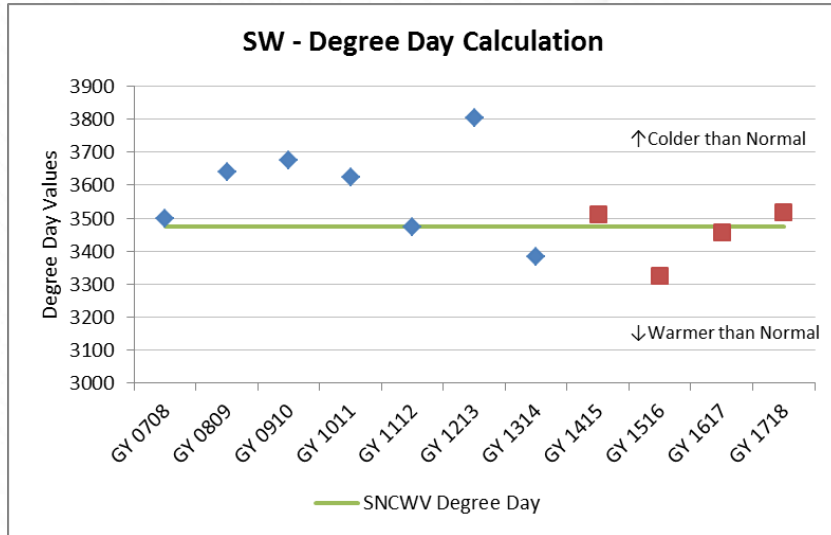
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (SW)



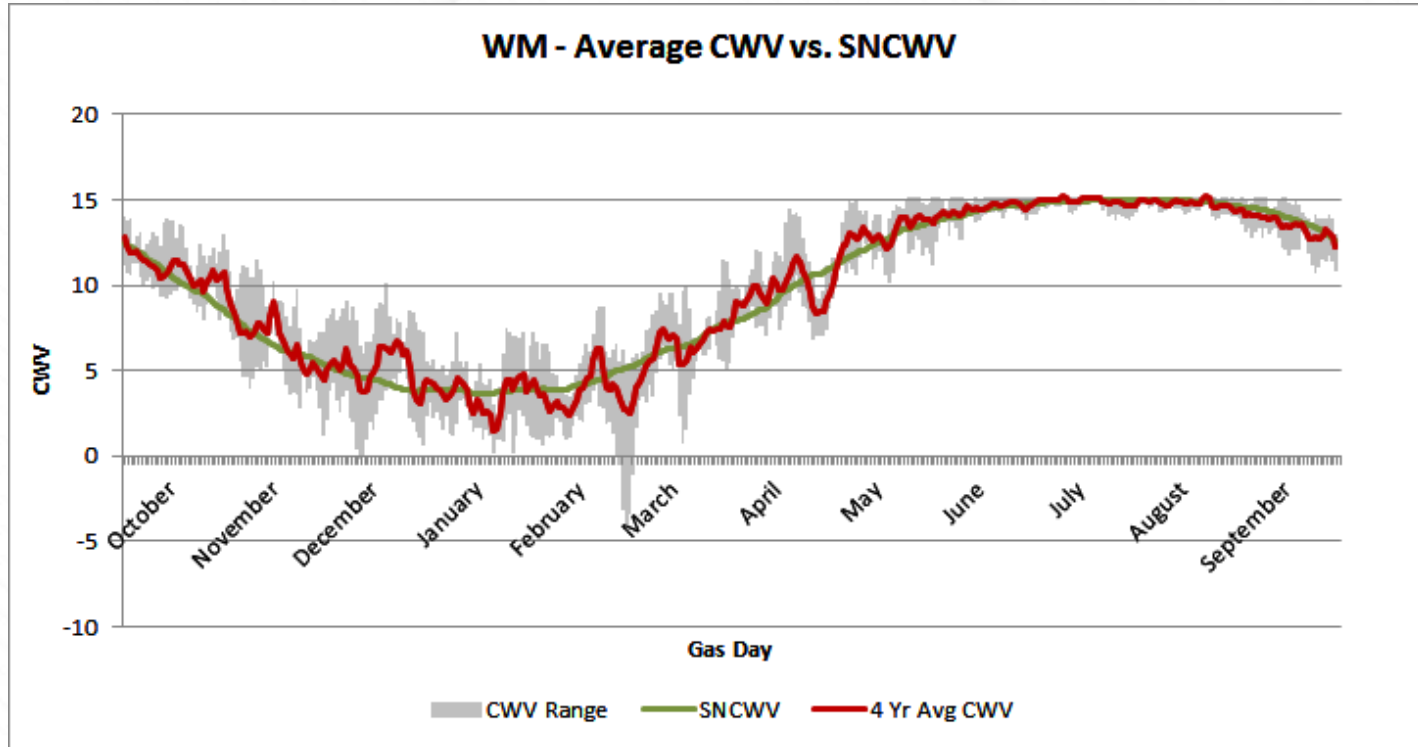
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (SW)



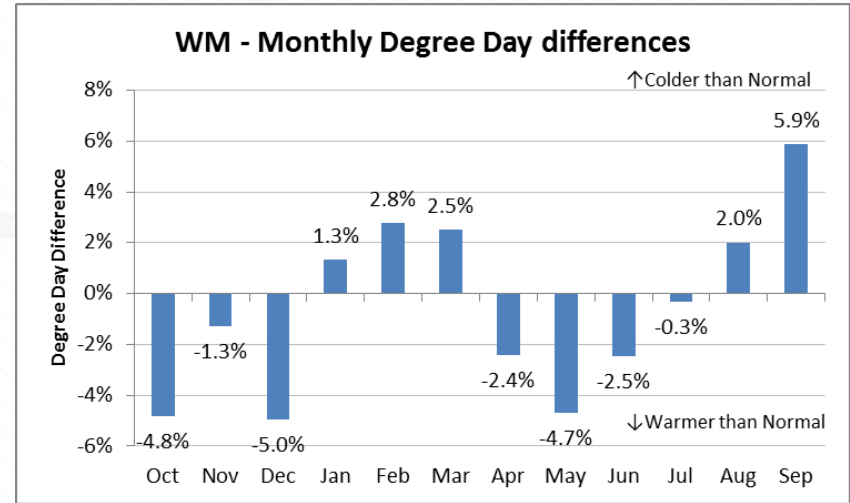
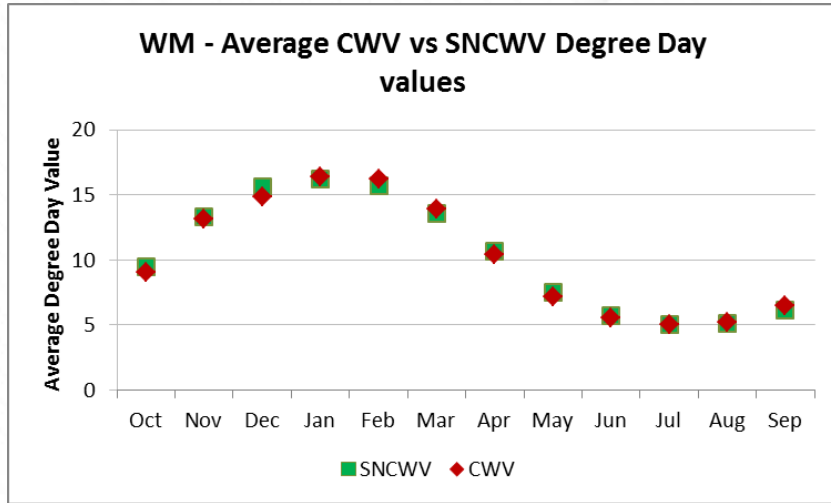
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that SW was approximately 0.61% warmer than Seasonal Normal

Review of SNCWV (WM)



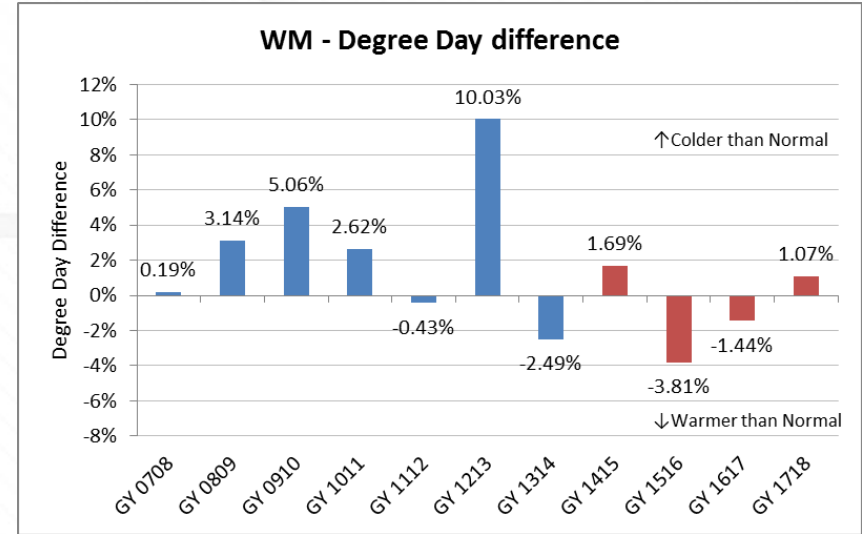
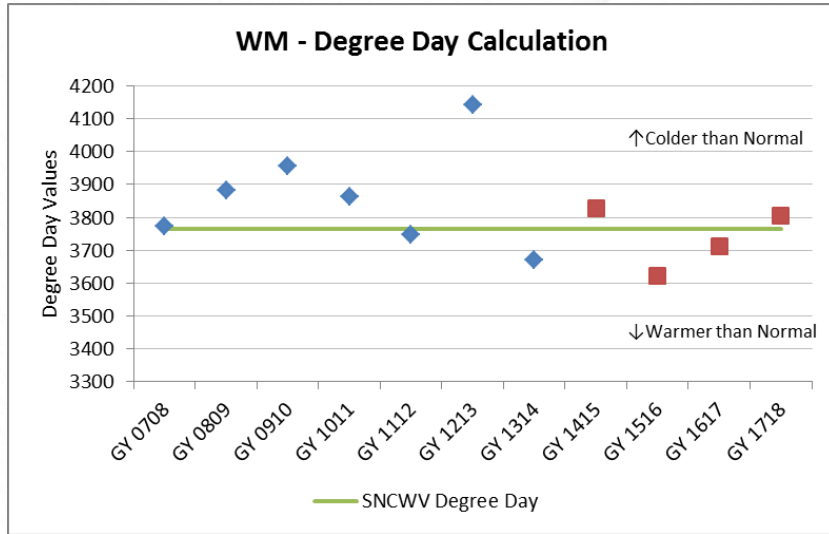
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (WM)



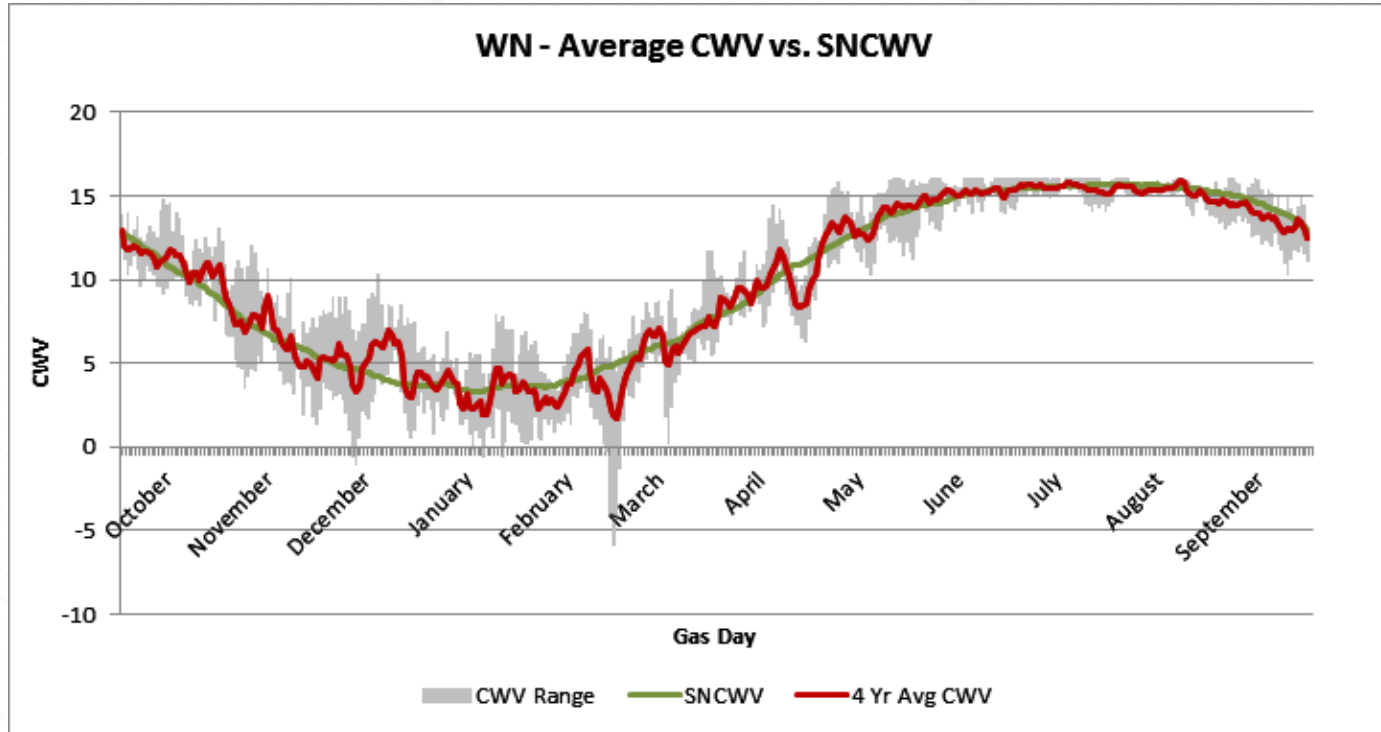
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (WM)



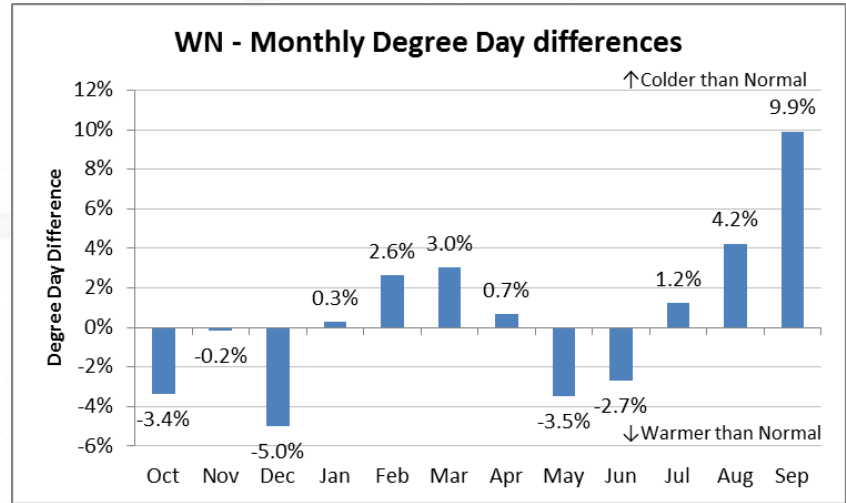
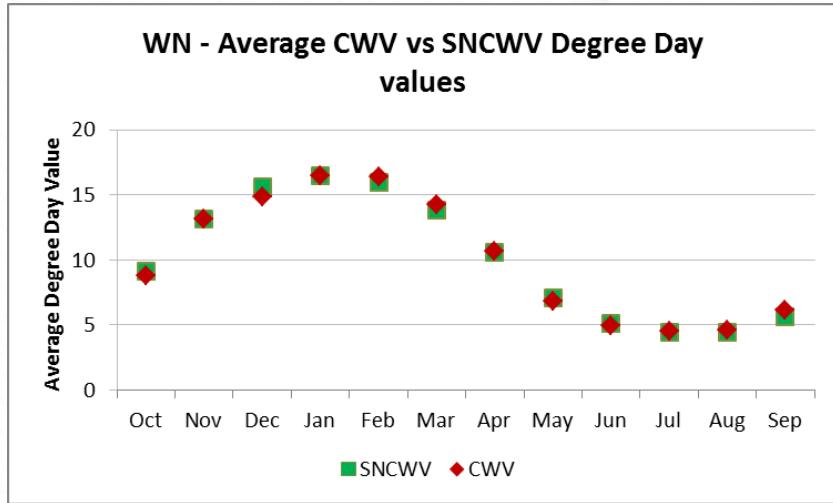
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that WM was approximately 0.62% warmer than Seasonal Normal

Review of SNCWV (WN)



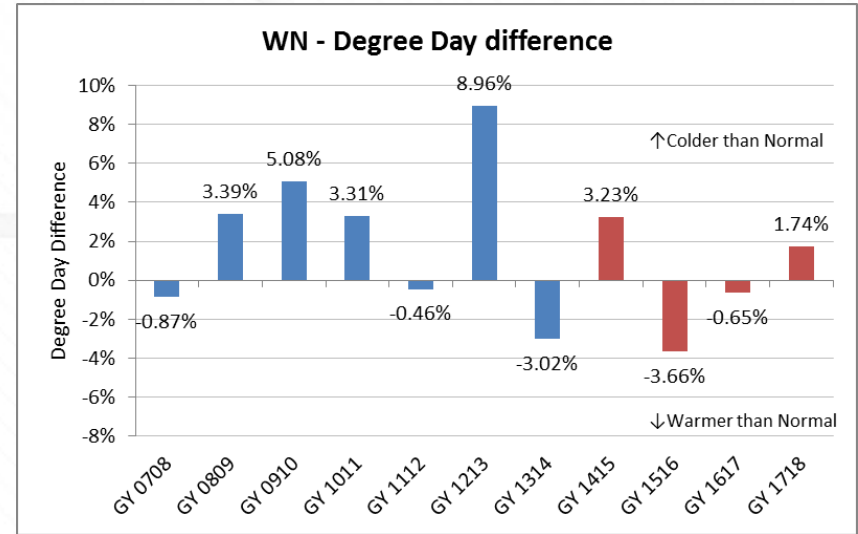
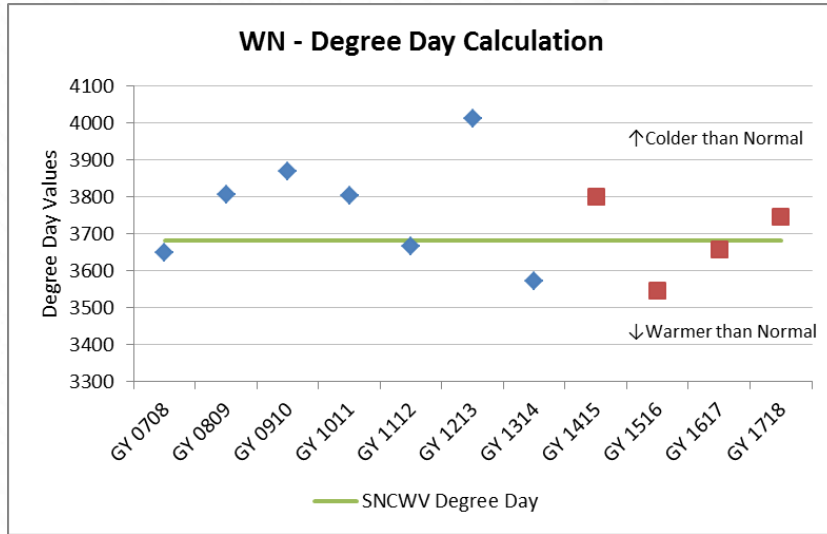
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (WN)



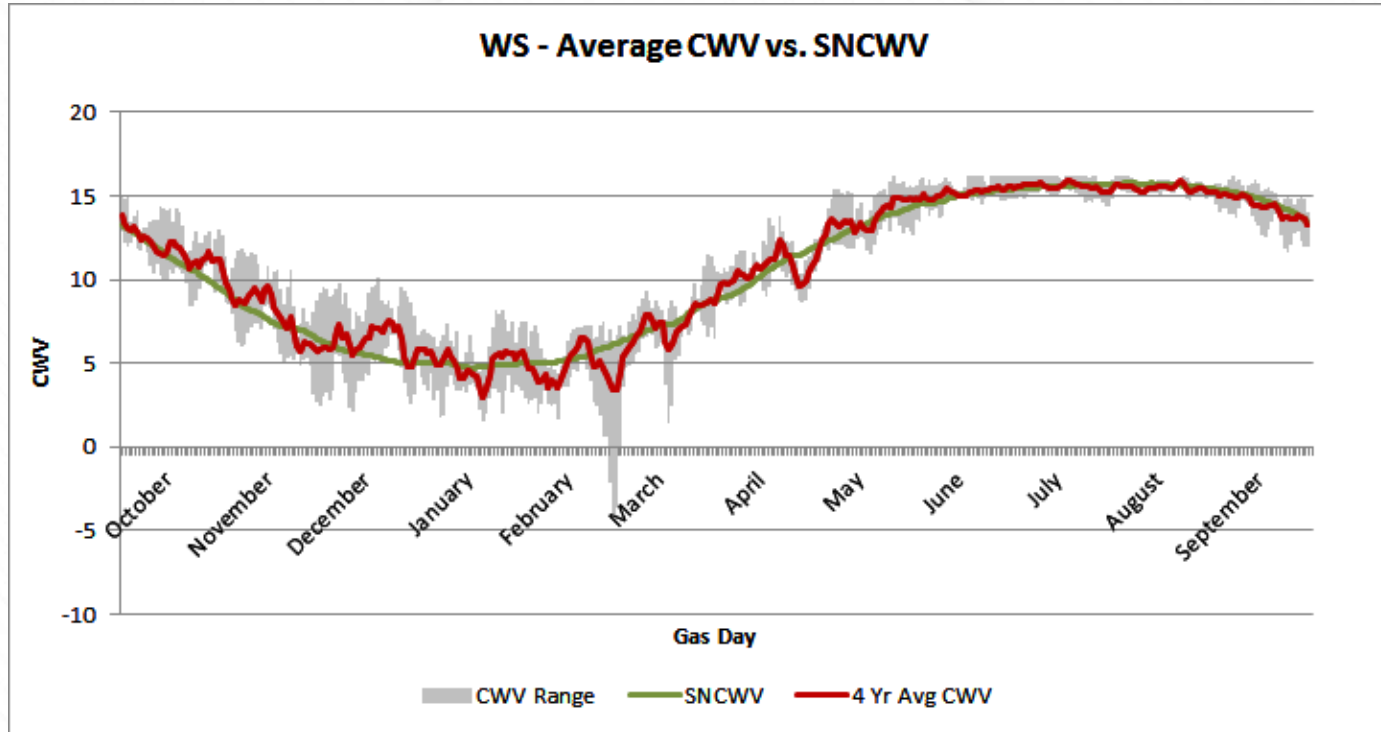
- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (WN)



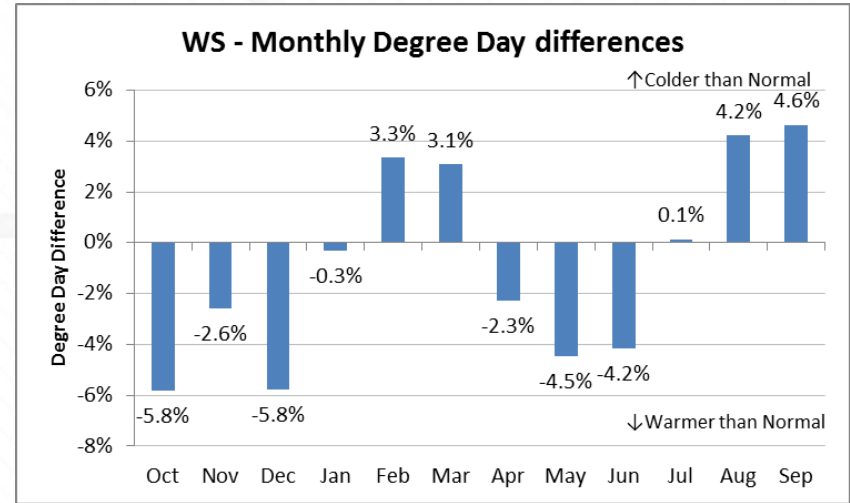
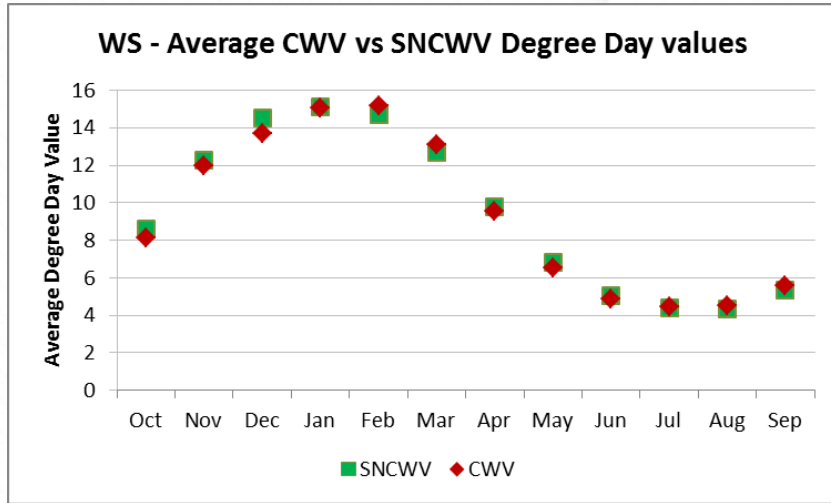
- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that WN was approximately 0.17% colder than Seasonal Normal

Review of SNCWV (WS)



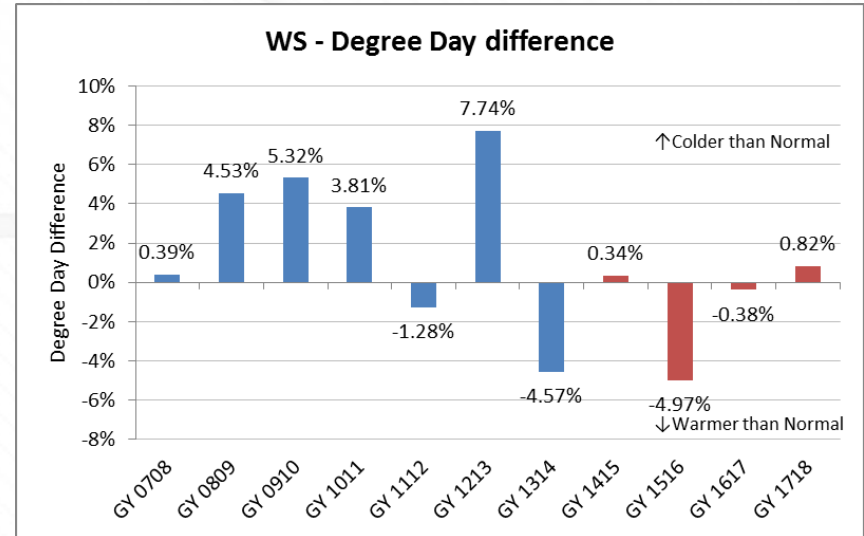
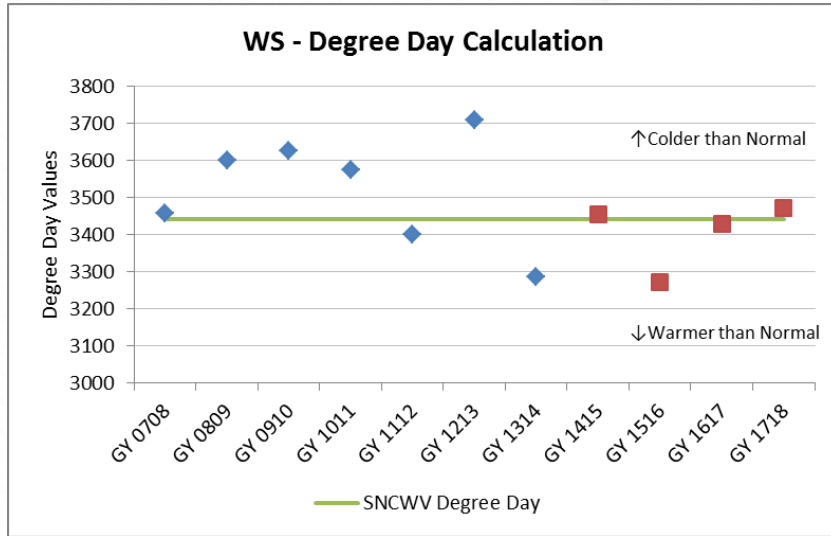
- Comparison of the range and average daily value of Composite Weather Variable (CWV) values for previous 4 complete gas years vs the Seasonal Normal Composite Weather Variable (SNCWV)

Review of SNCWV 'Shape' (WS)



- Comparison of average CWV Degree Day values by month for past 4 complete gas years compared to SNCWV equivalent
- Monthly Degree Day % difference by month (+ values indicate where CWV was Colder than SNCWV)

Review of SNCWV 'Levels' (WS)



- Charts show a degree day calculation for each of the previous 10 gas years
- The degree day calculation for the recent 4 complete gas year's daily average values indicates that WS was approximately 1.05% warmer than Seasonal Normal