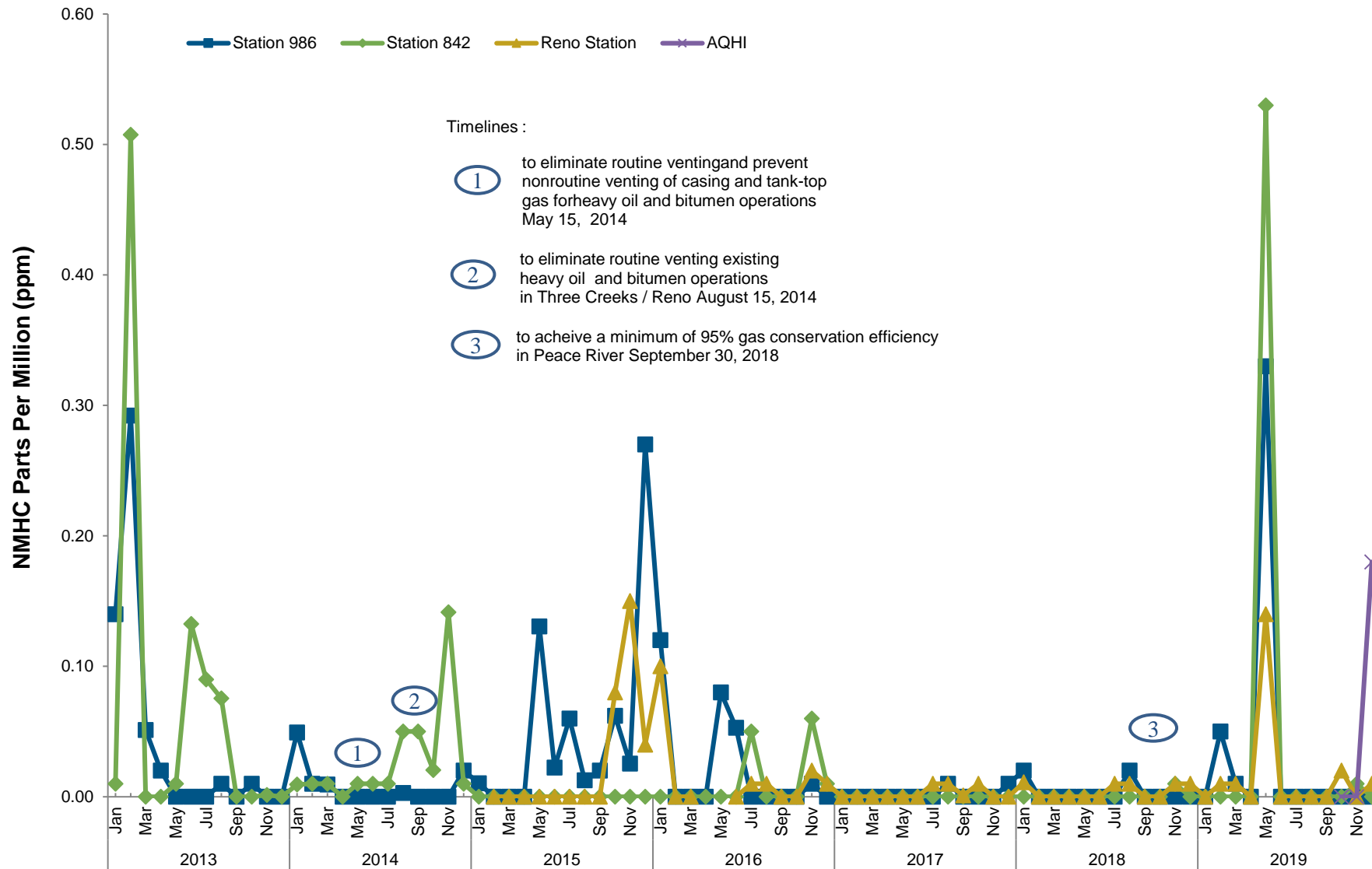


Figure 17 – Comparison of Nonmethane Hydrocarbon 99th Percentile Monthly One-Hour Measurements at 986, 842, Reno and AQHI Stations



Nonmethane hydrocarbon (NMHC) monitoring occurs at two stations in Three Creeks (near highways 986 and 842) and at a third station in Reno. NMHC monitoring measures hydrocarbon concentrations, not including methane, in the ambient air and is measured in units of parts per million (ppm). NMHC are representative of the odours and emissions. The data presented are the 99th percentile of the hourly measurements gathered in any given month. One per cent of the hourly measurements in any given month would be higher than the values plotted in this graph.

The Reno field was shut-in during February and March 2016 and the Reno station was removed during April and May 2016. Monitoring resumed in June 2016 when production resumed.

A period of elevated NMHC concentrations were recorded beginning on May 30, 2019. The cause was likely the forest fire smoke from the High Level area. Three NMHC-triggered events were recorded in May.

Data obtained from PRAMP. Note the reporting resolution of the measurements was decreased from 0.1 to 0.01 ppm in January 2016.

AQHI
Cadotte Lake Station was installed on October 1, 2019.

Chart published **March 2020**.
See disclaimer provided on outcome page.