

Case Study:

Improved Flow with Larger Wellheads & LoCI Measurement Devices

Using real-time data and actionable insights, landfills across the U.S. increase gas capture through larger wellheads and measurement devices

Customer Problem

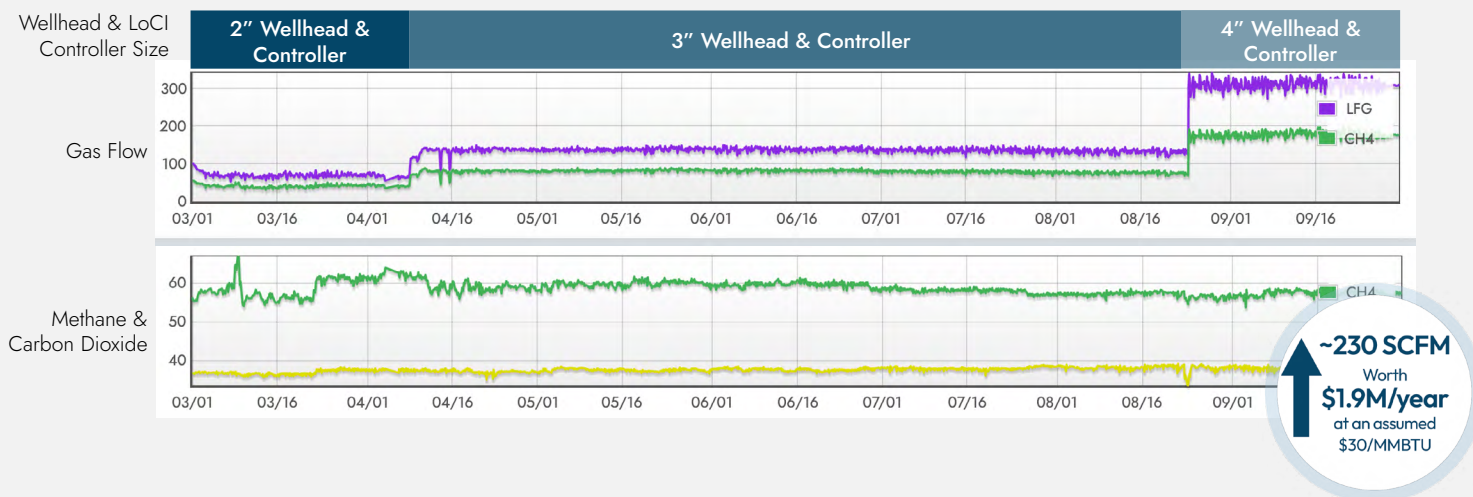
Landfill owners and operators — as well as RNG plant owners and operators — were looking for ways to increase and improve landfill gas collection at their projects. Operations teams had historically relied on 2" wellheads as the best means for landfill gas capture and were interested in easy-to-implement options that could increase overall gas capture.

LoCI Solution

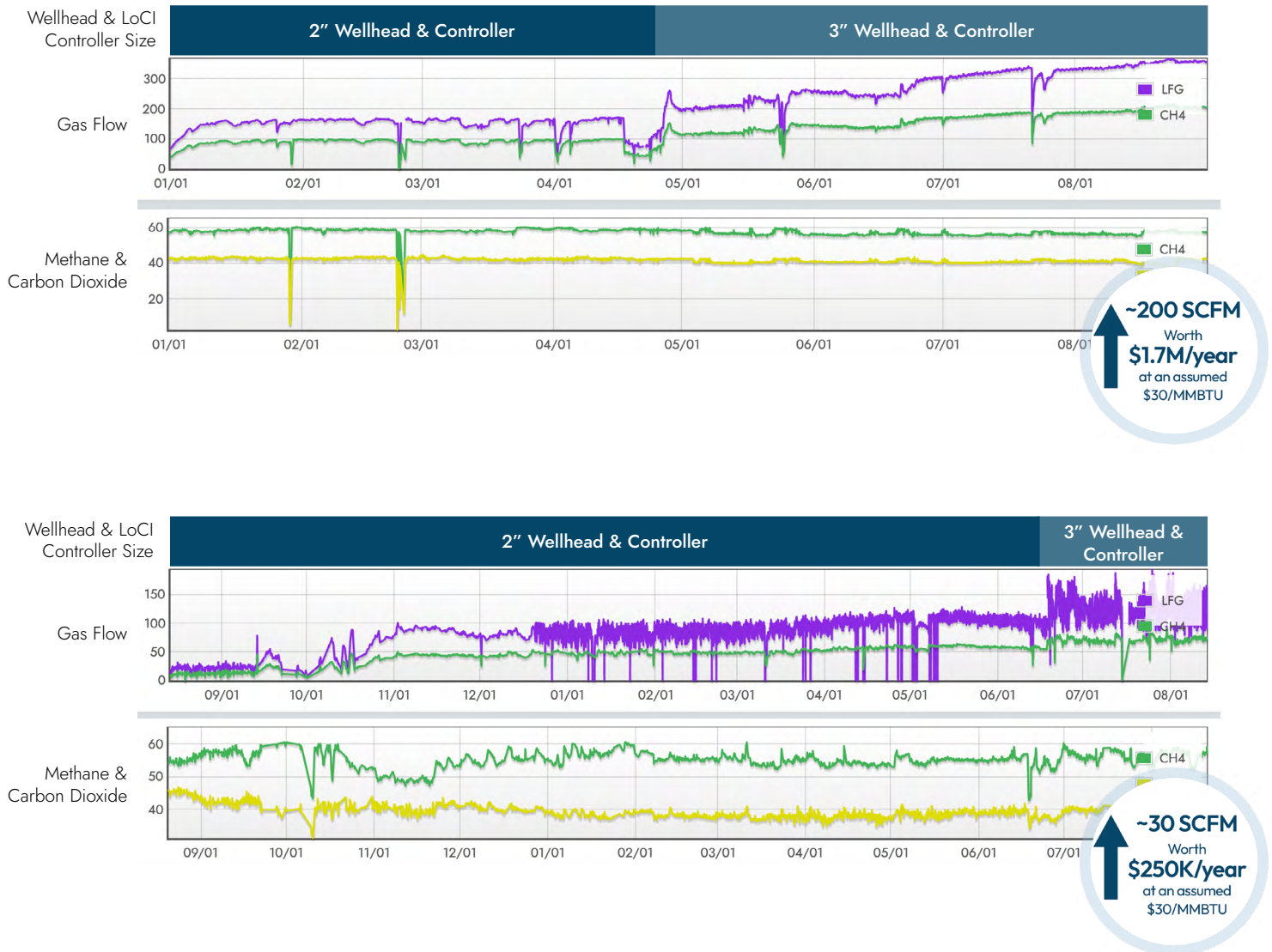
By leveraging LoCI's historical data trends, the LoCI team identified 2" wellheads where valves were fully open and the collectors demonstrated both excellent quality and healthy pressures. At these collection points, LoCI recommended upsizing the wellheads. Landfill teams replaced their existing wellheads with larger versions and took note of sustained gains. Leveraging insights from the real-time data, the landfill and LoCI teams iteratively increased wellhead and Controller sizes to 3" — and even 4" — to maximize gas capture.

Results Across Projects

LoCI's customers could see flow improvements in real time on the WellWatcher® platform and stay informed with the *Daily Action Report*, leveraging data analytics to regularly review upsizing opportunities to increase methane capture and add even greater value to RNG projects. LoCI and customer teams monitored all locations closely, whether the increased flow was seen immediately or over a longer period based on available gas. The result: **significant and sustained improvements in gas capture.**



Results Across Projects



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