DELTA
Energy & Environment

Gas Micro-CHP: A Limited Low Carbon Window of Opportunity?

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Gas micro-CHP is a low-carbon technology – compared to the incumbent fossil fuel alternatives of supplying heat and power. This underlies the argument for governments to support its market introduction and widespread deployment.

Delta's report explores when – if at all - gas micro-CHP will cease to be a low carbon technology.

As the electricity grid decarbonises, micro-CHP's carbon savings will be squeezed. How squeezed depends what micro-CHP is compared with

- To a condensing boiler and:
  - the average grid carbon intensity and a condensing boiler.
  - a combined cycle gas turbine power plant – and a condensing boiler
  - the average of the fossil fuel part of the grid mix
- To a heat pump and any of the above.

Depending on the approach taken and the type of technology, the low carbon window of opportunity may close before 2025, or after 2040.

Delta's micro-CHP Service Report on *Gas Micro-CHP: A Limited Low Carbon Window of Opportunity?* is available for subscribers.

Please contact David Morgado (david.morgado@delta-ee.com) for a copy of the executive summary.

For more on the Delta's micro-CHP service, visit, www.delta-ee.com/studies_and_services_micro_chp.asp

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