

Nuclear PBMR district heating

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- *From:* "Giuseppe" <pr@xxxxxxxxxxx>
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I read something about these small "pebble bed" modular reactors to be built in South Africa. They are high temperature nuclear reactors, graphite moderated and helium cooled. The core heats up helium from 500 to 900 °C, after that is discharged at 140 °C. Could it be possible to heat up water at temperatures high enough for district heating or district cooling in the hot months? Have you got any estimate about max water temperature achievable with helium at 140 °C?

<http://www.pbmr.com/>

http://www.atomicinsights.com/AI_06-07-05.html