Hello <new data center builder contact>,

I/We understand that you are planning to build a new data center in <location>. I/We **recommend that the new facility be designed to be heat-reuse-ready** (i.e., build-in cooling loop tees/taps and allocating space that will allow future connection to and installation of heat recovery systems). It is much more feasible and cost-effective to do so while the project is in the front-end planning stages, before the scope and engineering designs get locked-in.

The heat can be reused as-is for mild-temperature applications, or augmented via heat pumps to boost the temperature for more demanding applications or even to provide air conditioning (**see schematic below**). Attached for your information is a 2-page summary excerpted from Open Compute Project (OCP) guidelines for local authorities on how to take advantage of opportunities to reuse heat from data centers. It includes links to OCP and the heat reuse activities.

With suitable planning, coordination and incentives, **the data center could export and even monetize its waste heat for use by nearby communities and businesses**, reducing overall energy and water use as well as carbon footprint. Note: Heat reuse is also a way to offset the power diversions associated with "behind the meter" connections. **Making provisions for heat reuse could therefore help facilitate key approvals for the project**, e.g., from the Federal Energy Regulatory Commission and other permitting authorities.

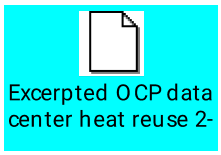
<optional> I/We did a quick search on <data base, GIS system, Google Maps, etc.> to see if there were nearby potential large-quantity users for the (low grade) heat rejected by the new data center. Indeed there are: <list specifically identified sites, e.g., campuses, industrial parks, greenhouses, hotels, shopping centers, hospitals>, and more. See <annotated maps> below.

We would be happy to discuss these concepts in more detail, if you would like to arrange a meeting.

Respectfully,

- <sender>

<attach 2-pager OCP local authorities excerpt>


Excerpted OCP data center heat reuse 2-

Data Center – Future Ready for Waste Heat Recovery & Recycle