

From: Joe Ellis [joe.ellis@bp.com]
Sent: 4/17/2020 6:50:18 PM
To: Gunasekara, Mandy [gunasekara.Mandy@epa.gov]
Subject: BP Supercomputer to Aid in COVID-19 Research

Mandy,

I hope that you and your loved ones are doing well during these unprecedented times.

I wanted to let you know that BP's supercomputer will be used as part of the COVID-19 High Performance Computing Consortium. The Consortium invites healthcare researchers from around the world to submit COVID-19 related research proposals to the Consortium via the online portal, which will be reviewed and matched with computing resources from one of the partner institutions. The Consortium is led by the White House, DOE and IBM; it also includes Amazon, Google, HP and a number of universities. More information is here on the consortium.

BP will provide access to its Center for High-Performance Computing (CHPC) in Houston, which houses one of the world's largest supercomputers for commercial research.

- BP's CHPC processes enormous amounts of data for BP. It has 16.3 petaflops of computing capability, allowing it to process more than 16 million billion calculations per second and complete a problem in an hour that would take a laptop nine years.
- The Center's staff includes experts in data science, applied mathematics, and systems architecture.

BP will also make available the expertise of its Biosciences Center, located in San Diego, California.

- The center consists of dozens of scientists who have capabilities in biological sciences, chemical engineering and chemistry, and works across BP to support many aspects of its operations.
- These scientists will work closely with BP's high-performance computing team to understand research proposals as they come in and help prioritize work.

BP is a purposeful company, committed to supporting society, notably during this global health pandemic. As digital technology is at the heart of our ambition to be a net zero company by 2050 or sooner, we are proud to leverage these unique technological capabilities to support healthcare researchers worldwide.

If possible, please share this message with your network.

Please let me know if you have any questions.

All the best,

Joe Ellis

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