This is a brainstorm of ideas we thought should be included as part of the conversation for the EMP:

1. Liquid Air Energy Storage: This technology makes use of off-the-shelf components that together are able to provide a turnkey system. It is inexpensive (compared to lithium) and scalable. One company has set up shop in Brooklyn for the local market. [https://www.highviewpower.com/news_announcement/world-first-liquid-air-energy-storage-plant/](https://www.highviewpower.com/news_announcement/world-first-liquid-air-energy-storage-plant/)

2. Atmospheric carbon sequestration to oil fuel conversion: This technology is now available for commercialization. It is capable of providing on site fuel production (gasoline and clean burning diesel) at $1/liter. This would allow for all municipalities to manufacture their own fuel locally and not be dependent on monopolistic companies or global markets. It would reduce the requirements of oil extraction dramatically, thereby making an immense impact on climate change very quickly. The fuel extracted from the air would be carbon neutral provided renewable energy is used for the extraction and manufacturing process. [http://carbonengineering.com/](http://carbonengineering.com/)


4. Resource monitoring via satellite imagery: [https://www.planet.com/](https://www.planet.com/)


7. Plasma technology for resource recovery and hazardous material destruction. [https://tetronics.com/](https://tetronics.com/)


12. Biochar: Improve agricultural yields, sequester atmospheric carbon, reduce forest fires and reduce flooding: [https://biochar.international/the-biochar-opportunity/what-is-biochar/](https://biochar.international/the-biochar-opportunity/what-is-biochar/)


15. Smart Cities technology and protocols: https://smartcitiescouncil.com/

_GCP is in no way affiliated with these companies._

Very truly yours,

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