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To: Asthana, Manu; Bresler, Frederick S. (Stu) III; Bryson, Mike E.; O'Brien, Thomas; Swimm, Nora; Drauschak, Lisa; Glazer, Craig; Haque, Asim, Z; Keech, Adam J.; O'Hara, Chris; Seiler, Kenneth; Almgren, Ake; Blackwell, Terry L.; Foster, Neel; Loebel, Margaret; Oskvig, Ordean; Charles F. Robinson; Rogers, Sarah S.; Smith, Neil H.; Takahashi, Mark

Subject: Announcing Our Third Decade of Climate Action: Realizing a Carbon-free Future

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Mr. Chairman, Manu, and the entire PJM leadership team:

Sustainability has been a core value since our founding in 1998. By the end of our first decade, in 2007, we were the [first major company to be carbon neutral](#) in our operations. Since then, across all of our products, every search, Gmail sent, YouTube video streamed, has had zero carbon footprint from our data centers. At the end of our second decade, we became the [largest corporate purchaser of renewable energy](#) in the world and the only company of our size to match 100% of our operation's annual electricity consumption with renewable energy for three years in a row.

At Google, we have always viewed a challenge as an opportunity to be helpful and make things better for everyone. Climate change is no different.

The science is clear: the world must act now if we're going to avert the worst consequences of climate change. **In our third decade of climate action, we are going even further to help build a carbon-free future for everyone**

By 2030 Google is aiming to run our business on carbon-free energy everywhere, at all times. This is our biggest sustainability moonshot yet, with enormous practical and technical complexity. We are the first major company that's set out to do this, and we aim to be the first to achieve it.

We know that no company, no matter how ambitious, can solve a challenge like climate change alone. **That's why we are committed to action far beyond our own operations, by creating tools and investing in technologies to help everyone move towards a carbon-free world.** We're starting with a commitment to help more than 500 cities or local governments reduce an aggregate of 1 gigaton (that's one billion tons) of carbon emissions per year by 2030 and beyond by enabling tools like the Environmental Insights Explorer.

As our [CEO Sundar Pichai announced this morning](#), we are committing to :

- **Operate on 24/7 carbon-free energy in all our data centers and campuses by 2030**
- **Immediately eliminate all our legacy carbon emissions**

- **Deploy \$5.75 billion in sustainability bonds** to support investment in both environmental and social initiatives
- Enable **5 gigawatts of new carbon-free energy in manufacturing regions** by 2030
- Help **over 500 cities or local governments to reduce 1 gigaton of carbon emissions annually** by 2030 and beyond with the Environmental Insights Explorer
- **Remove carbon from the atmosphere** with science-based tree planting and support the global restoration movement
- Support nonprofits and social enterprises by launching a [€10 million Google.org Impact Challenge](#) in Europe on Climate
- Scale up **Artificial Intelligence and Machine Learning efficiency solutions** for buildings, data centers, and facilities
- Offer **1 billion people new ways to live more sustainably** by 2022 via our core products.
- Support sustainability **public policies that help create a carbon free future**

We've published a white paper today that details our commitments and vision - [Our Third Decade of Climate Action: Realizing a Carbon-free Future](#). We've also released a discussion paper about our operational carbon-free goals - [24/7 by 2030: Realizing a Carbon-free Future](#)

We'll be hosting two virtual events in the coming weeks featuring executive leaders from Google, NGO climate leaders, and elected officials to dive deeper. Please join us!

- Register for virtual discussion on September 29th, [Operating on 24/7 Carbon-Free Energy Everywhere, by 2030](#), with Google SVP Urs Hölzle and the Climate Group CEO Helen Clarkson
- [Register](#) for virtual discussion on September 30th, [Unlocking City Ambition: Data, Insights, and Innovation to Overcome Today's Climate Challenge](#) with Google Earth Director Rebecca Moore, Global Covenant of Mayors Executive Director Amanda Eichel, and the Mayors from around the globe

We're optimistic that by harnessing new technologies, investing in the right infrastructure and tools, and empowering partners, nonprofits and people, this can be the most decisive decade for climate action yet. We're proud to do our part, and to help move the world closer to a carbon-free future for all.

Best,
Jeff

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