

Restoring Power in Puerto Rico

Hurricane Maria and Tesla Microgrid

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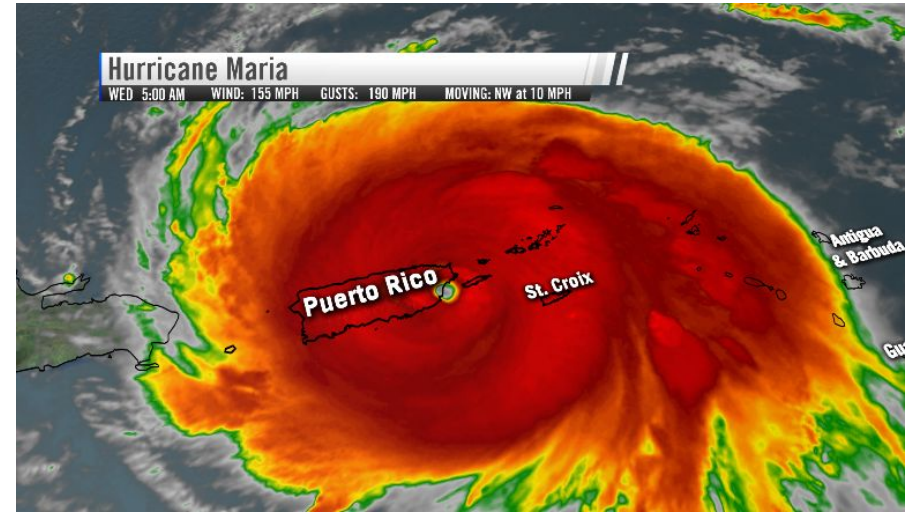


What We'll Be Talking About Today

- Hurricane Maria
- Puerto Rico's crisis
- Tesla's aid and technology
- Puerto Rico today

Hurricane Maria & Damages

- Strongest storm to hit Puerto Rico since 1928
- 280km/h wind speeds
- Knocked down 80% of power lines
- 60% unsafe water, ruined roads, power affecting hospitals



<http://whnt.com/2017/09/20/hurricane-maria-makes-puerto-rico-landfall-wednesday-morning/>

Government Response

- Government was already providing aid due to other hurricanes in the previous weeks
- Puerto Rico Governor Ricardo Rosello requested \$94.4 billion
- Only \$5 billion was granted from US
- Sought aid from private sources

Elon Musk & Tesla



The image shows a screenshot of a Twitter thread. At the top, a tweet from Scott Stapf (@stapf) asks if Elon Musk could go to Puerto Rico to rebuild its electricity system with solar and battery systems. Below it, a reply from Elon Musk (@elonmusk) explains that the Tesla team has done this for smaller islands but that scalability is not a limit, and that the decision for Puerto Rico would be made by the local government and stakeholders.

Scott Stapf @stapf 5 Oct
Could @elonmusk go in and rebuild #PuertoRico's electricity system with independent solar & battery systems?
earther.com/puerto-rico-ha...

Elon Musk ✓ @elonmusk
The Tesla team has done this for many smaller islands around the world, but there is no scalability limit, so it can be done for Puerto Rico too. Such a decision would be in the hands of the PR govt, PUC, any commercial stakeholders and, most importantly, the people of PR.
9:58 AM - Oct 5, 2017
34.4K likes 11.4K people are talking about this

Rossello's Response



Ricardo Rossello 

@ricardorossello



@elonMusk Let's talk. Do you want to show the world the power and scalability of your #TeslaTechnologies? PR could be that flagship project. [twitter.com/elonmusk/statu...](https://twitter.com/elonmusk/status...)

8:34 PM - Oct 5, 2017

 10.5K  6,026 people are talking about this



Tesla's Microgrid

- Solar panels laid in rows
- Rotating panels for maximum sunlight
- Power Packs in clusters
- The power pack contains modular 16 pods



Result



Tesla ✓

@Tesla



Hospital del Niño is first of many solar+storage projects going live.

Grateful to support the recovery of Puerto Rico with

[@ricardorossello](#)

11:00 AM - Oct 24, 2017

♡ 43.3K 💬 17K people are talking about this

Puerto Rico Today

- Tesla helped to restore 84% of electricity
 - Water runs freely from taps
 - A lot of island is cleaned up from debris
- But,
- 16% of island still without power.
 - Citizens have not recovered mentally

If you want to help you can donate here:

<https://www.generosity.com/emergencies-fundraising/maria-puerto-rico-real-time-recovery-fund>

Thank you!

Questions?