

How Should Care About The

Tips from an  political Hacktivist

Manuel [@StuFFmc](#) Carrasco Molina

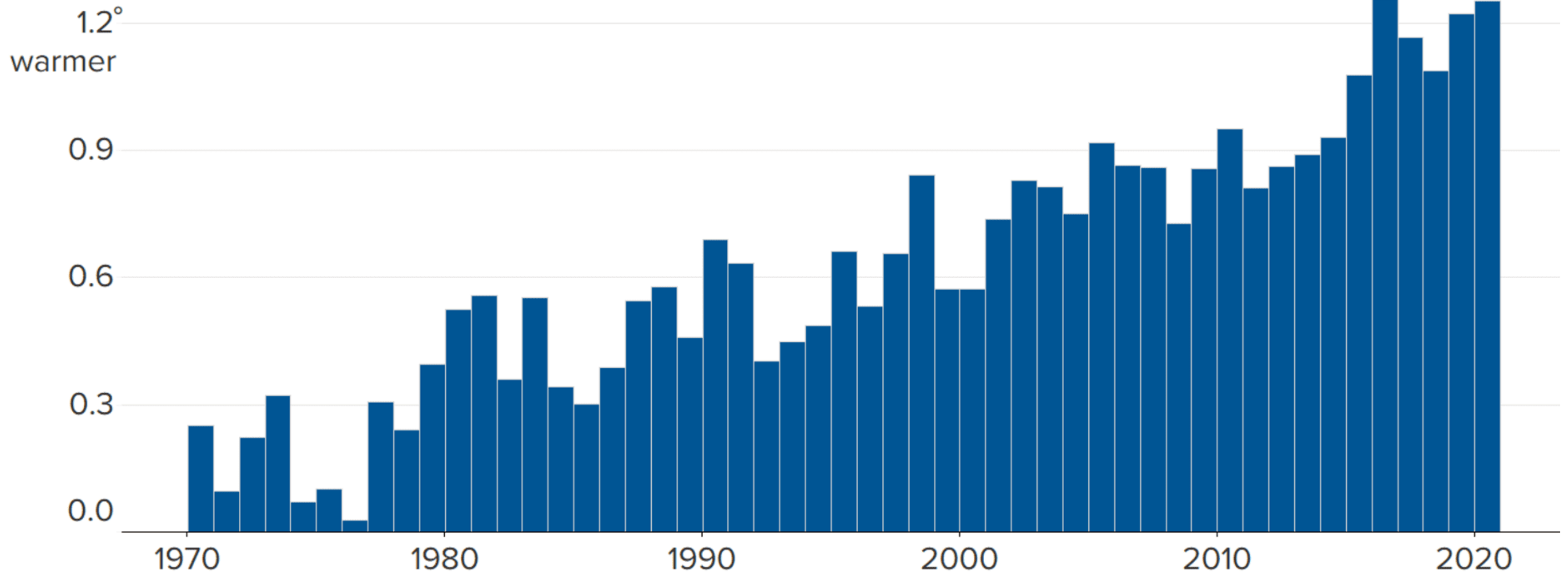
bleibt.org





Global surface temperature compared to the pre-industrial period

Surface air temperatures in 2020 were 1.25 degrees Celsius above the 1850-1900 pre-industrial period



SOURCE: Copernicus Climate Change Service



@stuffmc 🧑🏻 🧑🏻 should care about the 🌍

A large elephant is the central focus, standing in a museum or gallery. The background is dimly lit, showing taxidermy specimens on the wall, a chandelier, and a large wheel. The overall tone is dark and moody.

That tiny IT problem



Can we fix it
together?

Means of Activism outside of IT

#1 — Civil disobedience



Civil Disobedience Action against Gas in Northern Germany

Fossil fuels stop NOW!

Biggest Polluter in Germany

Every year the power plant in Neurath produces 32.1 Million Tons of CO₂.

As much as New Zealand in the same time.



Means of Activism outside of IT

#2 Plant-based food

-  In 25 years, the world will be mostly vegan.
-  Start today. Reduce Meat. Now.

2046



IN 20-30 YEARS THE WORLD WILL BE MOSTLY VEGAN

You think politics will solve it?

🌱 In some ways, it can.

🌱 COP? I don't trust it.

🌱 Blah Blah Blah



Search Engine

We search all day long, right?

- 🌱 "Convert SwiftUI Font to UIFont"
- 🌱 "Ruby version not found"
- 🌱 "How many engineers does it take to save the world?"
- 🌱 ...

Are you still
googling?

Stop searching, Start Planting



Christian Kroll

1. You search the web with Ecosia
 2. (Good) ads generate income
 3. 80% of it plant trees w/ partners
- 🌱 The company cannot be bought!
 - 🌱 Office catering is vegan 😊



On Demand α PID 35... 🟢 ⏸

- CPU 0%
- Memory 142,5 MB
- Energy Impact **Very High**
- Disk Zero KB/s
- Network Zero KB/s

Average Energy Impact



Very High Energy Impact

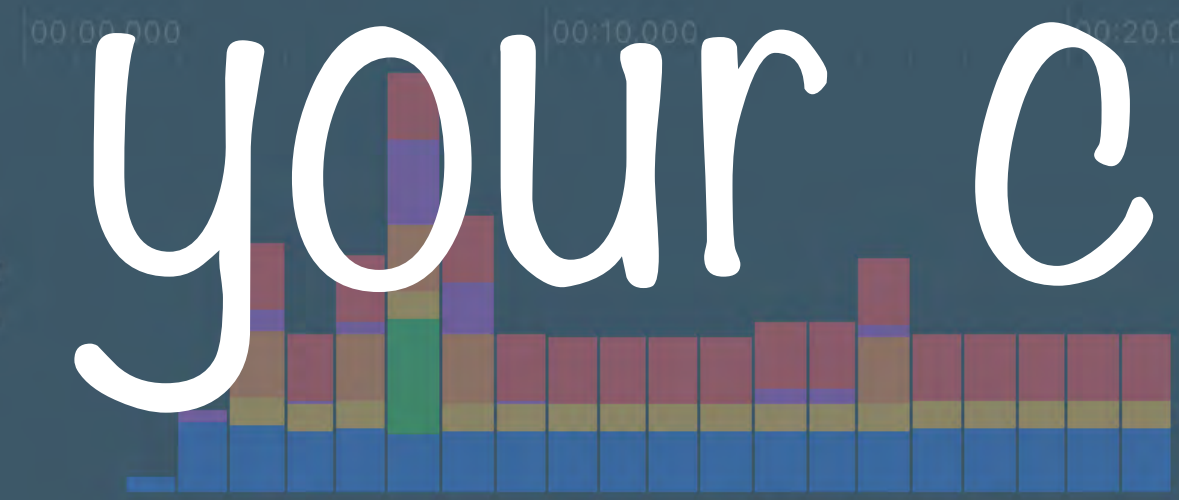
Average Component Utilization



Overhead	34,4 %	Location	13,8 %
CPU	5,9 %	GPU	3 %
Network	8,7 %	Display	34,3 %

Tune your code

Energy Impact



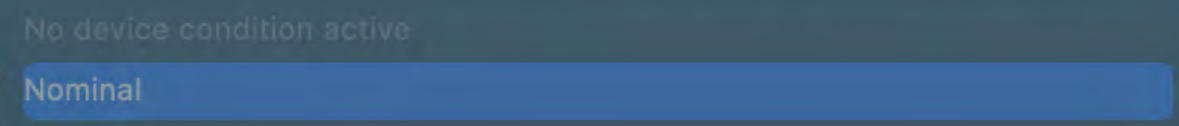
Component Utilization

Overhead	CPU	Network	Location	GPU	Display	Background
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Application State



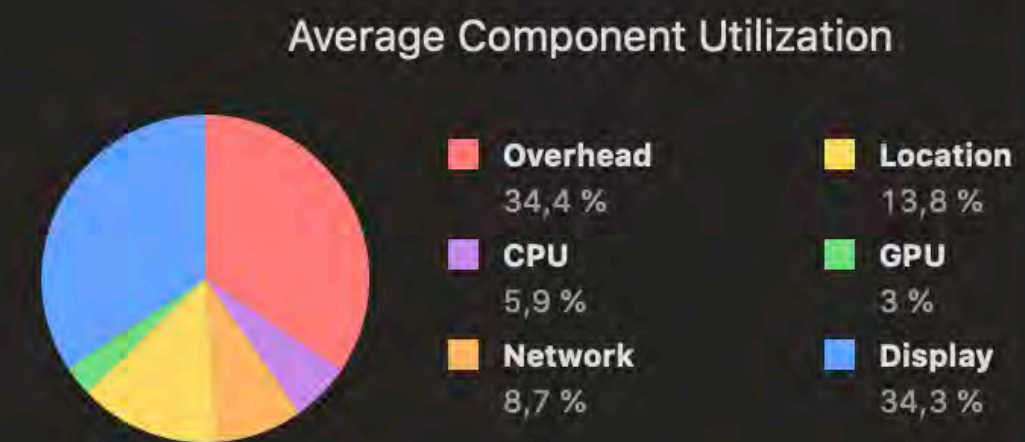
Thermal State



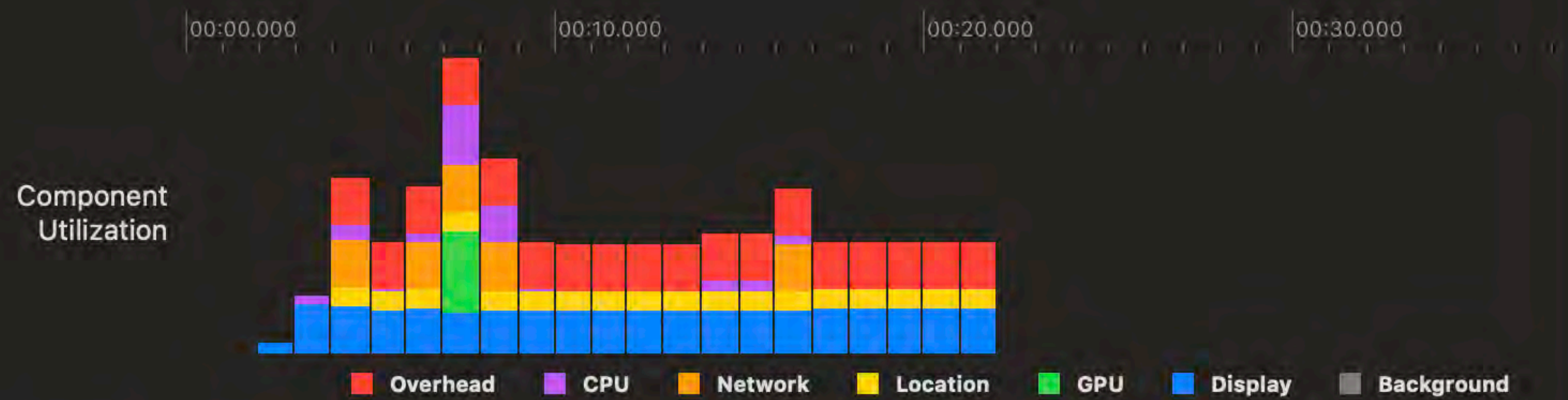
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On Demand α PID 35... 🟢 ⏸

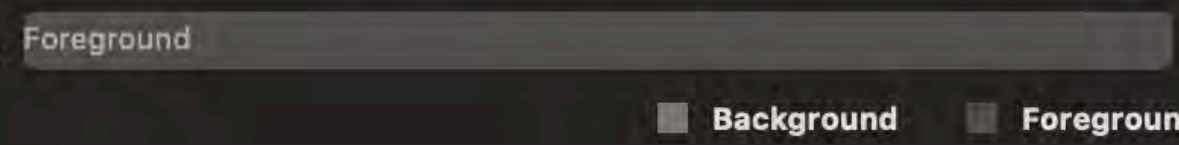
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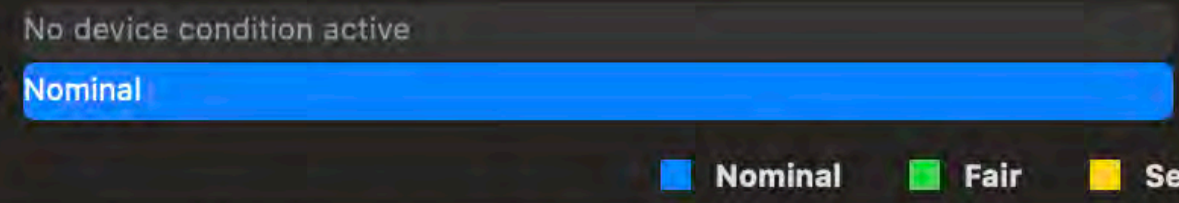
Energy Impact



Application State

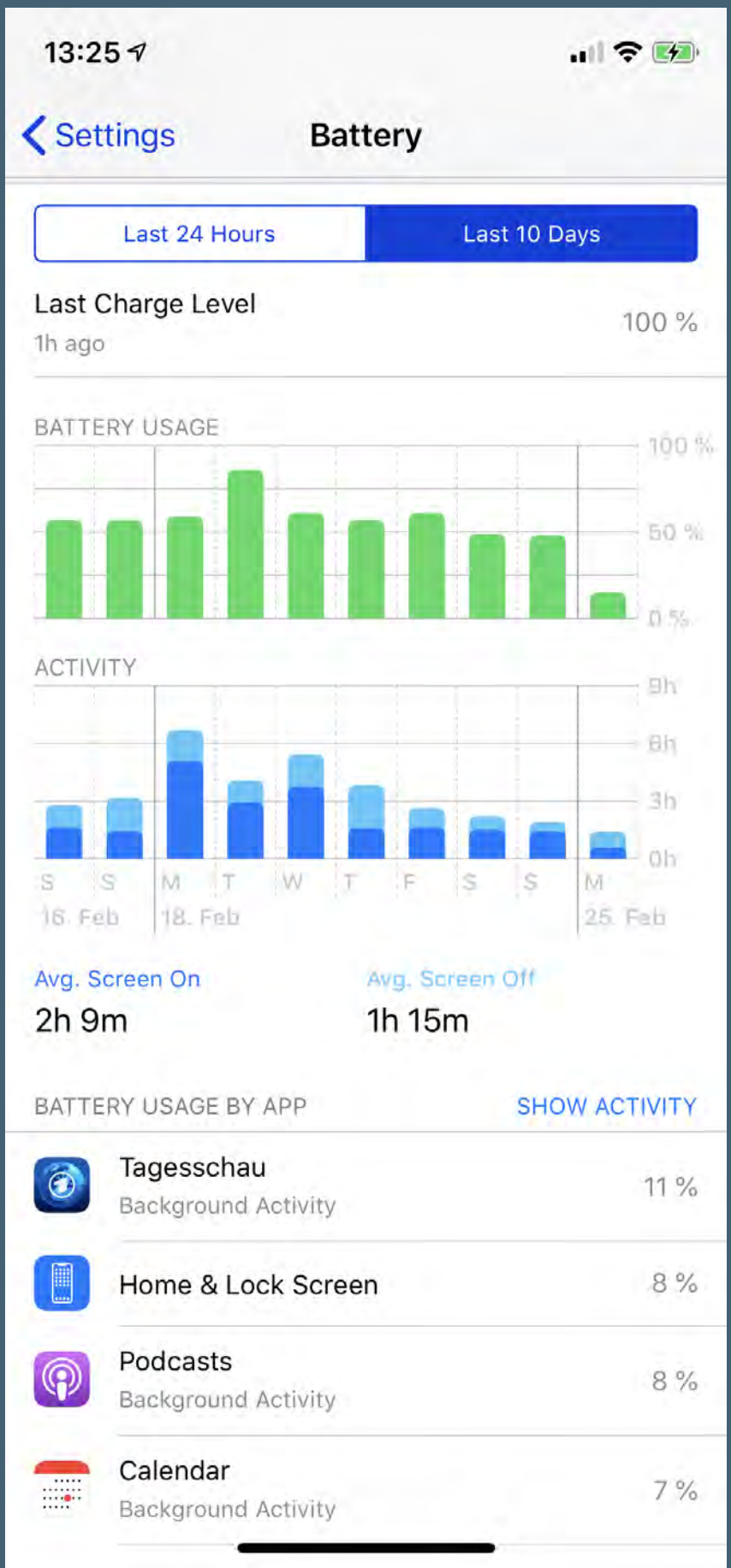
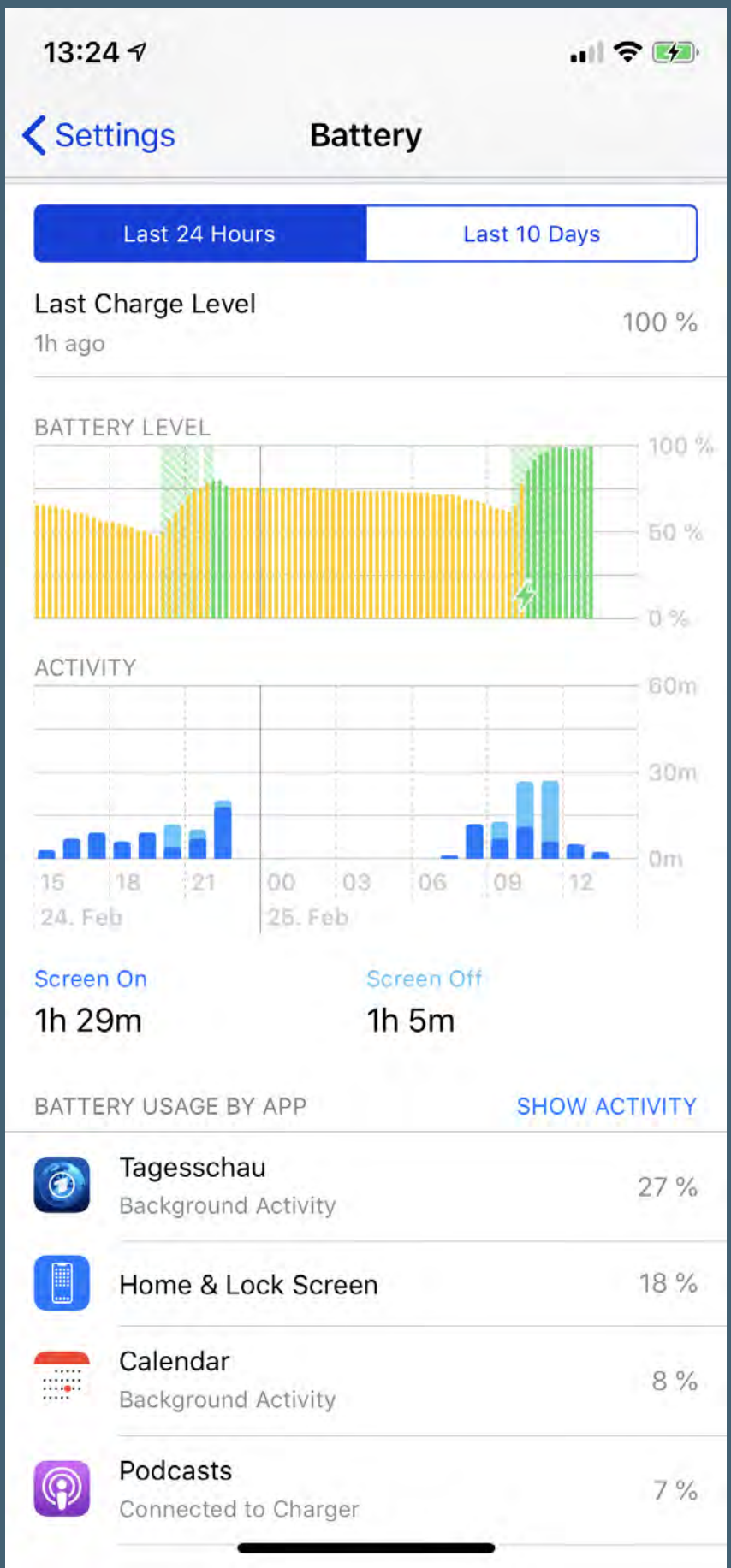


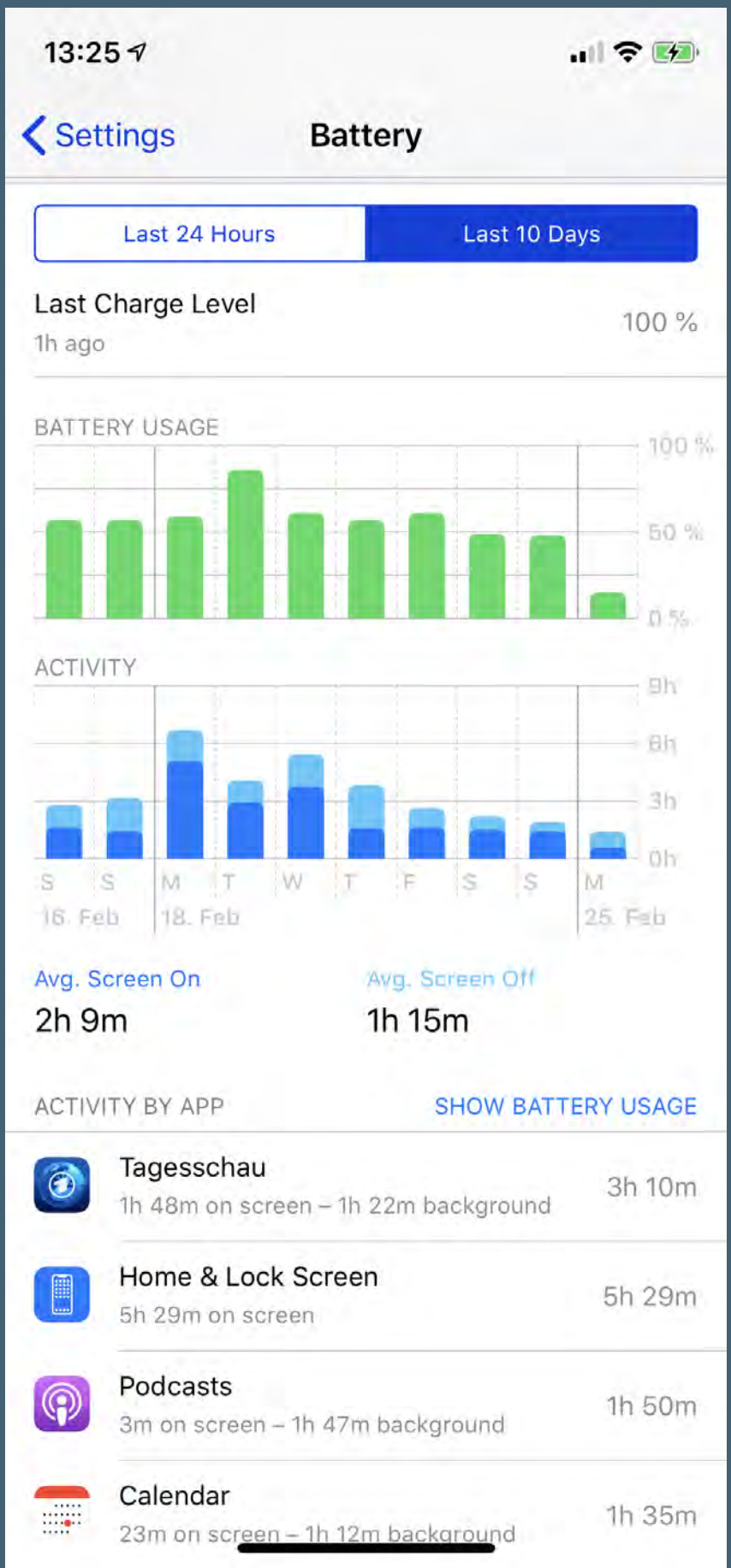
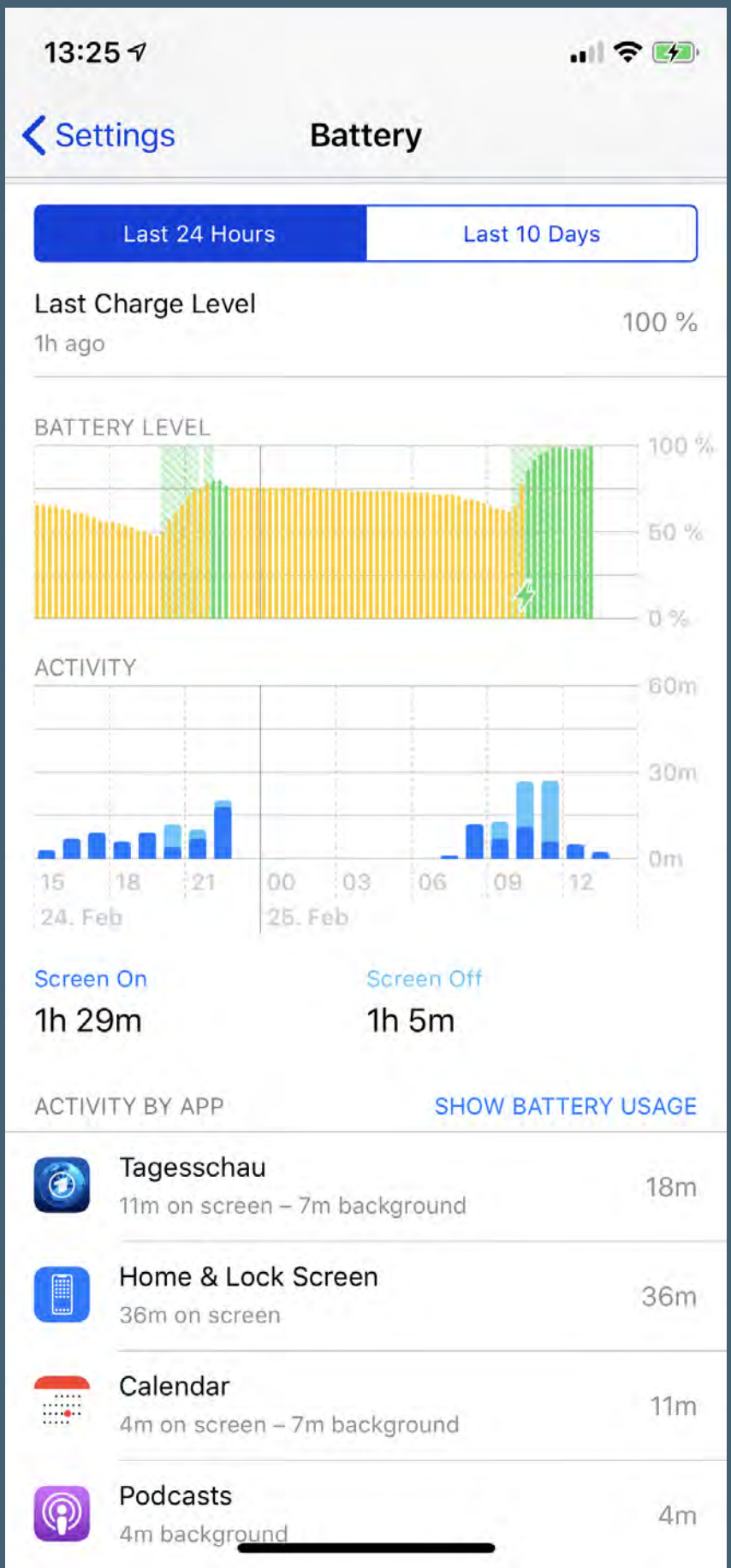
Thermal State



Settings > Battery

- 🌱 Where a user go if the battery is draining.
- 🌱 You don't want your app in this list.
- 🌱 It's like the losers list.

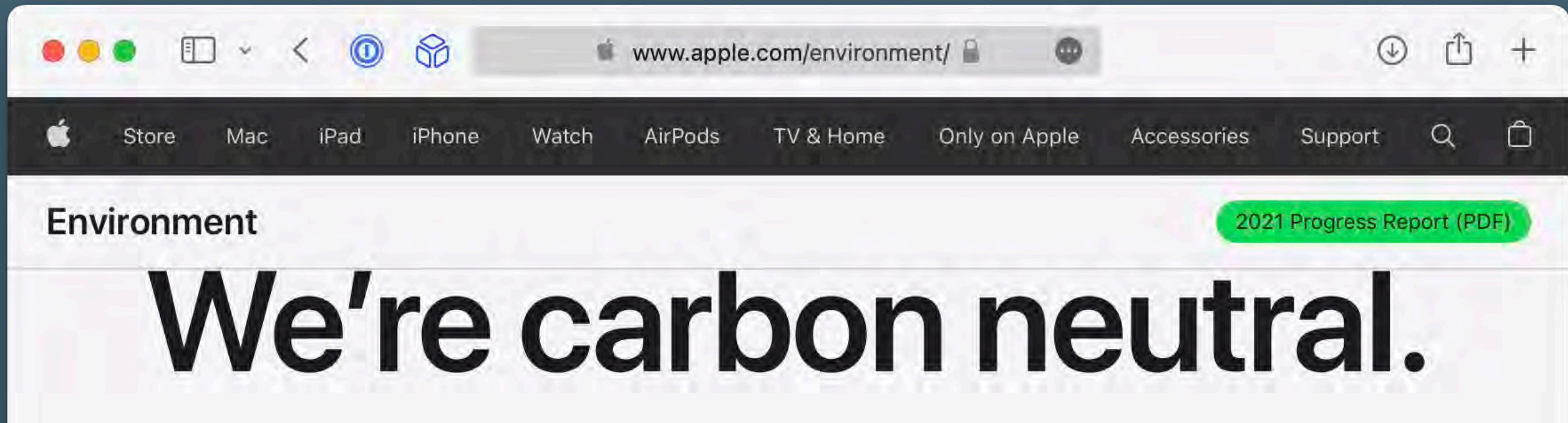




Run 100% renewable energy

- 🌱 **Best case: Have your own PVs**
 - 🌱 **Generate more than 100% if possible!**
- 🌱 **If not possible, run from a 100% renewable energy provider**
 - 🌱 **Don't pick a "mixed" company!**

Apple goes...



It's not enough, but...



Go Vegan

- 🌱 You, but more your company, e.g. during lunch like Ecosia!
- 🌱 It's easy and better for the environment
- 🌱 Fruits belongs to Startups anyways! :-)

Go Plastic and Packaging Free!

- 🌱 Order your Pizzas e.g. with [order.green](https://www.order.green), and without cheese
- 🌱 Offer breakfast at your company!
- 🌱 Cereals, in 10kg packages
- 🌱 Use ceramic cups, not plastic
- 🌱 Go out to eat with the company!





More Home Office, less cost!

- Means less traffic 🚗 🚝, less CO2
- Downside: Each takes its decisions (e.g. ⚡)
- Upside: Way better work-life and family-balance
- My current company has an office for 35 people
 - Employee number is 70. Get it?

If you have to go to the Office

- 🌱 Walk or Bike?
- 🌱 Train, please
- 🌱 Worst case: EV?
 - 🌱 My car is 100% renewable energies
- 🌱 At the very least do some car sharing



Reduce (or quit!) flying!

- 🌱 Last time I took a plane was 2018
- 🌱 Online Conferences are great, otherwise train!
- 🌱 And please stop going for a company week end in Mallorca

Start your own company?

- 🌱 Make an App that does good for the world.
- 🌱 Be that CEO, one that cares about the world.
- 🌱 Fix a problem the world has. It's a mess out there.

Optimize your Website?

- 🌱 Basically the size should be small
- 🌱 Use the inspectors (network) to see which part is bad
- 🌱 Do you really need that 100 MB Video on the front page?
- 🌱 Please don't autoplay! It's not only bad for the environment.

Small things every user can do

- 🌱 Use dark mode on OLED screens. Really.
- 🌱 Turn off automatic updates.
- 🌱 Turn OFF your TV. Use a power switch.

19:42







Settings iTunes & App Stores

Apple ID:

Face ID is enabled for all purchases.

AUTOMATIC DOWNLOADS

-  Music
-  Apps
-  Books & Audiobooks
-  App Updates

Automatically download new purchases (including free) made on other devices.

MOBILE DATA

Automatic Downloads

App Downloads Ask If Over 200 MB >

Only allow apps under 200 MB to download automatically using mobile data.

Video Autoplay Off >

Automatically play app preview videos in the App Store.

In-App Ratings & Reviews

Help developers and other users know what you think by letting apps ask for product feedback



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