

## Nine9s.cloud Environmental Survey

1	# Nine9s Power Requirements	
2	$n\_linodes = 1$	1
3	$p\_linode = .00266 \text{ kW}$	0.003 kW
4	$p\_yearly = p\_linode \times n\_linodes \times 8766 \text{ hours}$	23.318 hour kilowatts
5		
6	# Equinix Carbon Footprint	0.115
7	# <a href="https://equinix.app.box.com/embed/s/4fwyabb231nh3wpjsxca05hyyhsyt42h">https://equinix.app.box.com/embed/s/4fwyabb231nh3wpjsxca05hyyhsyt42h</a>	
8	$E\_total = 5,740 \times (1000^2) \text{ kWh}$	$5.74 \times 10^9$ h kW
9	$E\_renewable = 5,250 \times (1000^2) \text{ kWh}$	$5.25 \times 10^9$ h kW
10	$emissions = (40,700 + 2,079,000 + 306,000) \text{ mtCO2e}$	2,425,700
11		
12	$E\_carbon = E\_total - E\_renewable$	$4.9 \times 10^8$ hour kilowatts
13	$R\_carbon\_emissions = emissions / E\_carbon // \text{ mtCO2e per kWh}$	0.005 per hour kilowatt
14		
15	$footprint = p\_yearly \times R\_carbon\_emissions // \text{ mtCO2e}$	0.115

**Total: (null)**