

Williams, Stephanie

From: t <slowlearner@yahoo.com>
Sent: Thursday, July 16, 2020 3:10 PM
To: City Clerk
Subject: [EXTERNAL] Fw: add to small cell study session on 7/21
Attachments: Santa Barbara-5GFreeSB-2020June.pdf

RECEIVED
JUL 16 2020
CITY OF SANTA ROSA
CITY CLERK'S OFFICE

cityclerk@srcity.org

Please include this attachment to the public record and under public correspondence for the small cell study session on 7/21/20.

Sincerely,
Tom Laporta

OUR TOWN

by Joanne A. Calitri

Joanne is a professional international photographer and journalist.
Contact her at: artraks@yahoo.com



Interview with 5G Free SB

5G Free SB is a local grassroots group whose mission is, "To advocate for wired technology known as Fiber Optic To The Premises (FTTP) in Santa Barbara County. To stop unnecessary and excessive densification of wireless microwave radio frequency radiation which science has proven to be harmful to our health and the environment. Wired technology is safer, faster, less expensive, more energy efficient, private and secure." It has 472 people via Facebook with over 2,400 signatures on their petitions.

Representing 5G Free SB in this news interview are Miriam Lindbeck and Lesley Weinstock:

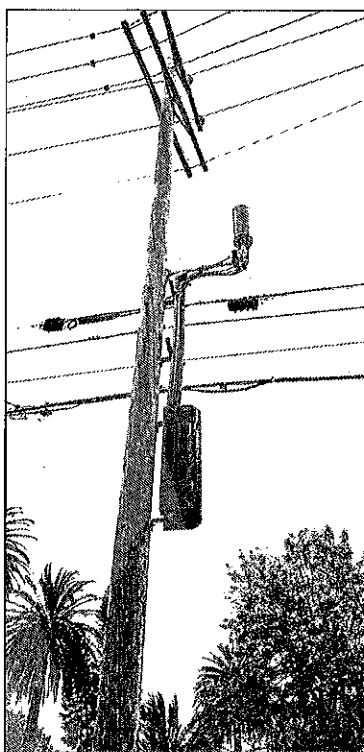
Q. Is 5G Free SB working with the SB City Council Members and/or City Attorneys?

A. The draft Telecommunications Ordinance is being reviewed within the city departments. The City Attorney has offered to meet with 5G Free Santa Barbara to go over the ordinance line by line. We look forward to working together to make it the best and most protective ordinance it can be.

What are the most pertinent issues 5G Free SB wants everyone to know before any ordinance, public policy or contracts with telecom is established?

With 3G/4G/5G the issues are serious health effects to humans, animals and nature, an increased risk of fires, it adds huge financial cost to the city and county, could result in increased surveillance, is a threat to our safety, well-being, privacy and choice. Lloyds of London research into the science proves that RFR is harmful and in 2018, in Exclusion Clause 32, they eliminated any coverage to claims of any kind related to EMFs/RFR. Exclusion Clause 32 is standard across the industry, leaving the Telecom Communication Industry uninsurable.

Radio-frequency Electromagnetic Microwave Radiation (RF-EMR), is a man-made, toxic agent that causes systemic biological damages at frequency levels thousands of times lower than the current, extremely outdated FCC radiation exposure guidelines. Per new scientific evidence, former World Health Organization advisor Dr. Anthony Miller said RF radiation from any source, such as cell phones and wireless devices, fully meets criteria to be classified as a Group 1 carcinogen. Thousands of



5G at Garden & Los Olivos Streets

scientists and medical doctors around the world are calling for a halt to 5G. Countries like Switzerland, Italy, France, Israel, Russia and China have set RF exposure limits 100 to 10,000 times less than the USA. Over 10,000 Supreme Court admissible medical studies show negative health effects of pulse modulated microwave radiation, supported by 26,000 scientists and doctors who have signed petitions to oppose 5G. Thousands of peer reviewed scientific studies link RF Radiation to cancer, DNA damage, metabolic dysfunction, headaches, insomnia, dizziness, irritability, fatigue, nausea, cognitive impairment, depression and anxiety. In the US alone, over 13 million people are severely affected by radio frequency radiation. 5G cellular technology is dangerous because it emits pulse-modulated microwave radiation, at ultra high intensities, compared to earlier technologies, and because of the limits of the frequencies used, in order for users to have good reception with 5G, it is estimated they will need to put a mini cell station every eight to ten houses, instead of the current average of 3,000 feet. This would multiply the amount of radiation we will be exposed to by 10 to 100,000 times. If we cover the planet with densely placed Wireless

Telecom Facilities (WTFs), there will be no escape for anyone, including other living organisms. [References: 5G Summit Report by Dr. Martin Pall, PhD Professor Emeritus of Biochemistry and Basic Medical Sciences, Washington State University, June 1 - 6, 2020 and www.ehtrust.org.]

Are there the same concerns with 2G, 3G, and 4G?

What most people do not know is 5G is dependent upon 4G. Because the 5G millimeter wave is too short to travel any distance yet can pack in exponentially more data, it relies upon the longer, wall penetrating 4G microwave to reach its destination. When 5G itself is deployed, it will use a narrow beam formed wave, that is accelerated and steerable, so that it can reach the user. 5G is "on demand" while 4G transmits 24/7/365. With 4G as the backbone of 5G, all the 4G frequencies will be in close proximity 24/7/365. In the recent past, the 4G towers were anywhere from one half mile to two miles away. Now they will be within feet of us. Given that 4G transmits without ceasing, and 5G will be on demand by countless users, these over laying, pulsed, modulated, multi-level frequencies will be penetrating our bodies in varying degrees, from within our airways, our homes, cars, buildings, everywhere, non-stop, for as long as 5G is broadcast. It will also penetrate our animals, plants, bugs and bees. It is the pulsed (meaning there are very high, fast, frequent spikes or peaks in the frequencies), modulated, data packed over-laying frequencies that interfere with delicate biology and are therefore harmful.

Recommendations from 5G Free SB

5G Free Santa Barbara is for safe technology and striking a balance between how this technology is operated and made available. It is unreasonable to remove all wireless service. We need to have phone/text service in our public rights of way, (PROW). It is essential to First Responders and everyone else. GPS, also necessary, is provided via satellite. The distinction 5G Free Santa Barbara makes is the fact that we need very little power to provide wireless phone/text service in the PROW: 0.01 Watts will provide a half-mile radius of five-bar cell service. The towers now being erected all over town and in your area, transmit up 22,000 Watts per tower and are being placed anywhere from every 1,000 feet or every eight to ten buildings depending upon the terrain and density of buildings.

5G Free Santa Barbara recommends Fiber Optics to The Premises for health concerns and it is the best engineering option: it's the fastest, safest, the most reliable, secure, and

the most energy-efficient broadband that exists. It eliminates the problem of fires where wireless facilities can explode, and their very transmissions can cause fires in trees due to the trees' increased production and secretion of Terpenes, being above high power lines and being near foliage that has been sprayed with VOC pesticides, to name just a few of its benefits.

What are the key positions from pro-5G-ers, telecom and the FCC? Are there legal options for cities and towns to work with?

Industry is promising with 4G/5G, faster download speeds, (or blisteringly fast download speeds), low latency, and fewer dropped calls all of which falls into "Connectivity." 4G/5G will allow for higher levels of Artificial Intelligence (AI), real-time autonomous driving, and robotics. The technology itself behind these services is extremely complex and is yet evolving as they work to find how it can be made more efficient. Technology is the purview of telecom. The FCC auctions off the frequency bands that each carrier purchases for their intended use. Some carriers purchase lower frequencies, some purchase frequencies in the mid band, and some purchase those in the high band. Only one company thus far will be using all three bands.

It is against Federal Law to outright prohibit the telecom industry. However, the Federal Government did provide and is providing even more of a level of local power to all municipalities that if exercised to its fullest extent, could potentially strike a balance between the telecom companies and every city in the U.S.

The problem that exists is the over-reach of the FCC and telecom that is currently being challenged in the Federal Courts. Many cases are coming before the courts to produce a greater balance in power.

It is our hope that wisdom and insight prevail in the judges, and better outcomes will be achieved. But until that time, it is up to the people to move their cities into a much more enlightened position. This is most difficult due to the fact that telecom has persuaded 40,000 municipalities for over 24 years that their way is the right way. It's up to the people to say what is right for them. It is after all, our lives that are being impacted, and the sovereign right to protect them and the lives of those we love, is in our hands right now.

411: www.5gfreesantabarbara.org
www.facebook.com/groups/5G-FreeSantaBarbara/; <https://nextdoor.com/g/zk6byo7wx> and www.youtube.com/channel/UCWfzHNb2kMAAjUOBpo8DB9g

Williams, Stephanie

From: Kim Schroeder <kim_schroeder@sbcglobal.net>
Sent: Thursday, July 16, 2020 3:19 PM
To: City Clerk
Cc: _CityCouncilListPublic
Subject: [EXTERNAL] Attachment for 7.21.20 study session
Attachments: IRREGULATORsvFCCBIGWIN.pdf

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JUL 16 2020

CITY OF SANTA ROSA
CITY CLERK'S OFFICE

Madame city clerk,

Please place the attached file into public record and attach it to the agenda regarding item 3.2 (study session) for the 7/21/20 city council meeting.

Thank you,
Kim Schroeder

IRREGULATORS

Digital Inclusion, lower prices, bring in competition and end the cross subsidization of 5G by the public utility. And it provides a national broadband plan which is not funded by government subsidies but by dismantling this financial shell game.

This is a partial list of what this decision means going forward:

- **IRREGULATOR Treasure Map: Billions for Broadband in Your State and Refunds on Your Communications Bills.**
- **We help to take down the billions in Corporate Operations overcharging:** In NY, Verizon Local Service was overcharged an estimated \$1.5 billion dollars a year for the corporate jets, the executive pay, and the lawyers and lobbyists pushing anti-customer agendas. Now a state can now stop the billions of dollars in unrelated expenses that has been put into local service and caused rate increases.
- **We help to take down billions in tax losses:** Today, the state utility pays the majority of expenses, even if it has nothing to do with Local Service. In NY, Verizon has been showing artificial losses of \$2 billion annually. The states can stop the cross-subsidies and let these companies pay their fair share of taxes.
- **All subsidies to wireless can now be stopped by the states:** The states are free to stop the cross subsidies where the fiber optic networks are being built for the benefit of the wireless company, instead of properly upgrading cities and towns, especially in more rural areas.
- **5G Is Not Profitable Once We Do This.**
- **We take down the 75-25% rule with this decision:** Today, 75% of the costs of the wired network expenses (even for wireless, broadband and internet) are dumped into 'local service'; wireless and these other services got a free ride -- Not anymore. The states can come up with their own allocation factors.
- **We just lowered prices billions of dollars if the state decides to go after the money:** After all of this shell game is exposed and removed, a state can make the price be 'incremental' -- and it can decide that local service and the wired networks should only be based on the actual costs, and not made up expenses.
- **We now present billions in new found cash to solve the Digital Divide:** Removing this long standing shell game means billions can now be properly allocated to build out the wired state-utility infrastructure for broadband to EVERYONE in the state.
- **Cities can now build out their networks. NYC's Master Internet Plan** to solve the Digital Divide requires government funds and never held Verizon NY accountable. The City of New York, like all cities across America trying to get a digital future for every citizen, should have examined the financial cross-subsidies that were exposed in this case and the bait-and-switch funding for wireless. Now, NYC can go after the money and provide a fiber optic future to everyone.

NOTE: We lost this DC Court decision on standing: Since the rules don't apply, we can't be harmed. We now have clarity about these cost accounting rules. The states are free to do what they want. Our strategy in bringing this case was to secure a definitive answer about the rights of states vs the control by the FCC over the financial accounting.

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The Court made it clear that the states are independent from the FCC and from the application of the federal accounting formulas known as "Part 36".

"This means that any injuries the petitioners suffer through the application of outmoded Part 36 rules to price-cap carriers are traceable not to the Commission's freeze order but to the states' voluntary and independent decisions to use the rules of Part 36 for their own purposes." (PAGE 9)

"Price Caps" Need Investigation and Repair: AT&T et al. and the states may say: "We are under price caps and the utility expenses are no longer examined."

ANSWER: The States can now go back, do the audits, and stop the financial shell game. "Price caps" is a form of regulation that was supposed to keep prices capped and reasonable, which never worked. This was to increase the companies' profits, which were supposed to be used to replace the existing copper wires with fiber optics—and that never happened. Instead, using the FCC's corrupted formulas, it allowed for this massive overcharging. Prices are no longer 'just and reasonable' when you can charge local phone customers to build the wireless networks or pay for the corporate jets.

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Williams, Stephanie

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From: Jennifer LaPorta <jenniferlaporta1@gmail.com>
Sent: Thursday, July 16, 2020 3:21 PM
To: _CityCouncilListPublic; City Clerk
Subject: [EXTERNAL] Fwd: add to Small Cell Study Session 7/21
Attachments: Redacted Verizon Report Hiding Why America's Wireless, Broadband & Internet Services
Cost 3 to 14 Ti.pdf

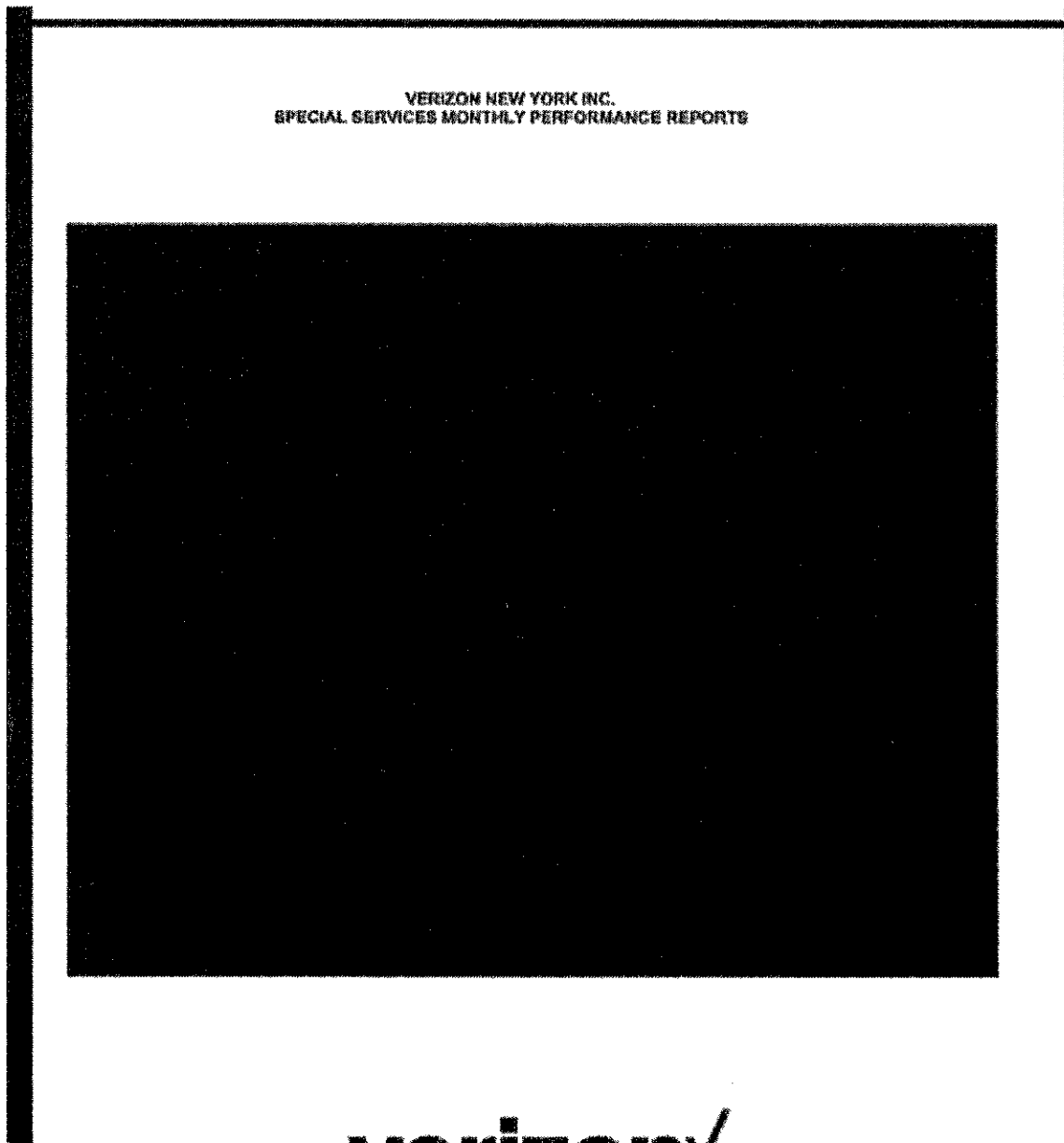
Please attach this attachment to the public record on agenda item 3.2 for the small cell study session on 7/21/20.

Redacted Verizon Report Hiding Why America's Wireless, Broadband & Internet Services Cost 3 to 14 Times More Than Overseas...?



bruce kushnick
Jul 3 · 8 min read

[CLICK FOR FULL 19 PAGE REDACTED REPORT!](#)



(THIS IS PAGE 15; LOGO ADDED.)

Imagine our surprise when we found that this 19 page report, provided by Verizon New York to the NY Public Service Commission, pertaining to something called “Special Access”, had been totally redacted. This has been going on month after month, year after year (since at least 2013).

In 2020, the term “Special Access” is now usually referred to as “Backhaul” or “Backbone” or “Business Data Services”, “BDS”. Moreover, these network services and wires are not special. These can be copper or fiber optic wires to the homes or business, ATM machines or hospitals, but most recently, they connect to the wireless 5G small cell sites.

New Data and Financials: On June 8th, 2020, the Verizon NY 2019 Annual Report was released and Verizon has redacted multiple important information. We have filed to have this data made available immediately.

Most people do not know that Verizon NY is the primary public telecommunications utility in New York State and controls critical infrastructure — backhaul.

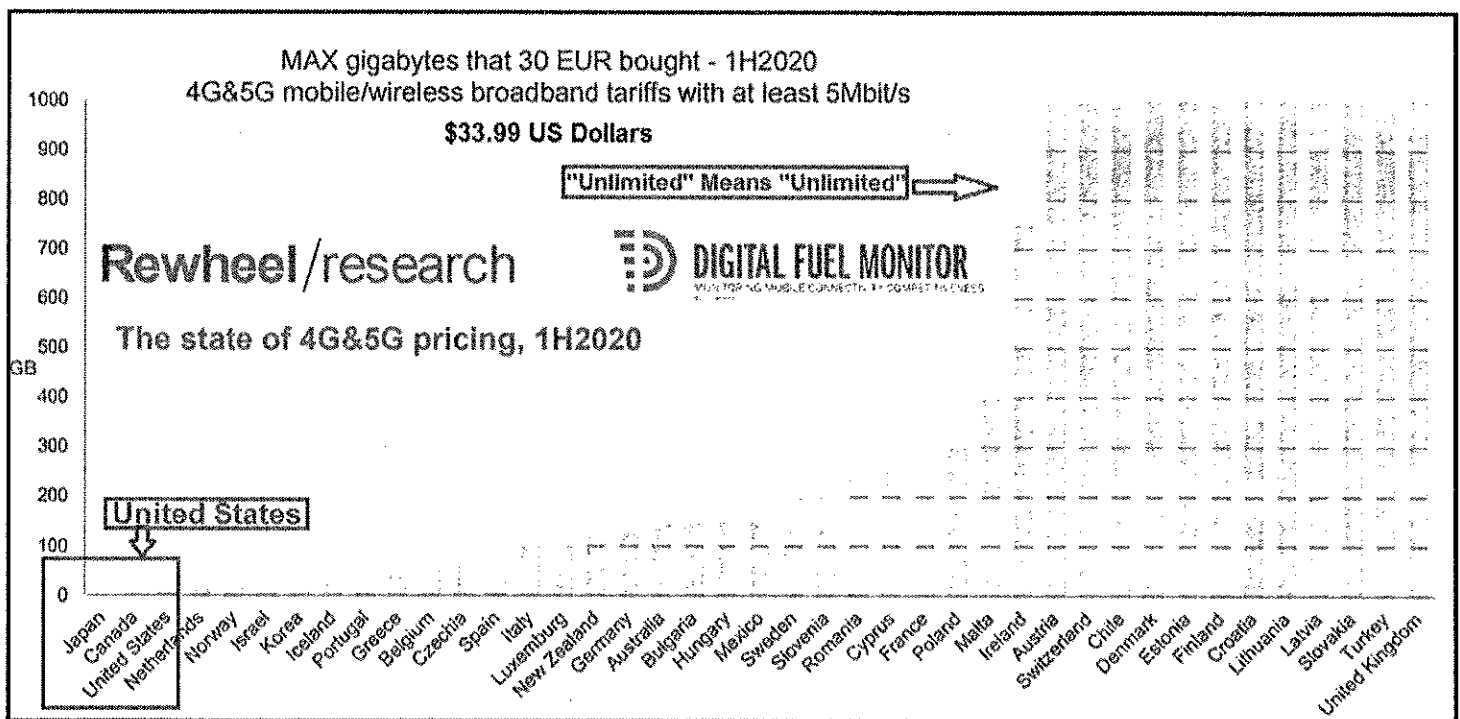
By redacting information, combined with the FCC and states’ deregulatory strip-mining campaign to remove all obligations and regulations on the wired networks, the FCC now claims that 5G is the answer. What we uncovered is that the backhaul being constructed for the wireless networks has been funded by cross-subsidizing/charging local phone customers. At the same time, the companies have figured out how to manipulate the FCC accounting formulas, (in use in these financial reports) to have ‘backhaul’ reap excessive profit margins, which keeps the prices of all end-user services inflated, and, at the same time, they even figured out how to make the utility networks appear unprofitable.

NOTE: Missing Data is Common: New York State is the only state we know of that requires a full annual report. The FCC stopped publishing this information in 2007. This means that what is happening in your state with your state-based utility will require FOIL requests and potentially legal actions to pry loose the basic information, much less the requiring discovery.

Let's start and present data showing that prices in Europe and overseas are a fraction of what America is paying.

1) America's Wireless 4G and 5G Users Are Being Overcharged, Big Time.

This chart from [Rewheel Research](#) supplies how many Gigabytes a customer gets for 30 Euros for 1st quarter, 2020, country by country.



On the right you can see a collection of 12 countries with red markers to the top of the chart. For 30 Euros, (about \$33.70-\$33.99 dollars) these countries have providers offering business and residential 4G or 5G wireless broadband which comes with over 1000GBs. In the middle of the chart there is another group of 8 countries that supply 200–700 GB for 30 Euros. All the way on the left side at the bottom there is a box which shows the ‘worst in class’; the US shows the 3rd worst result.

In fact, in 2019, Rewheel wrote:

“US Wireless median mobile broadband gigabyte prices were 6 times higher than the median price in the 36 OECD countries (from South Korea and Japan to Spain, Slovakia and the UK), and 10 times higher than the median price in European Union (EU28) markets.”

NOTE: Rewheel did not include the taxes, fees and surcharges in the US; most of Europe only applies the VAT tax, unlike the made-up ‘cost recovery charge’ or ‘admin’ charge.

2) The Wired Broadband and Cable Networks Are Also Overcharged.

In comparing the Triple Play pricing using the European Commission and OECD data, we found that America’s basic Triple Play is being overcharged between \$70-\$155 a month, not counting add-ons.

- **OECD-EU: Triple Play ‘basic’ averaged \$44.77** a month in 2017, but the ‘cheapest’ was only \$15 a month.
- **US Bait and Switch:** AT&T, Verizon, Comcast and Spectrum et al. have an advertised averaged price of \$88.95, but the actual first bill has added fees, which comes to about \$115.00 a month.
- **Post-Promotion:** The average cable Triple Play after the promotion ends, is around \$205.00.
- **US Triple Play Prices are 258%-479%** above the OECD-EU average; 766–1410% above the ‘cheapest’ basic Triple Play service offered by some OECD-EU countries’ carriers.

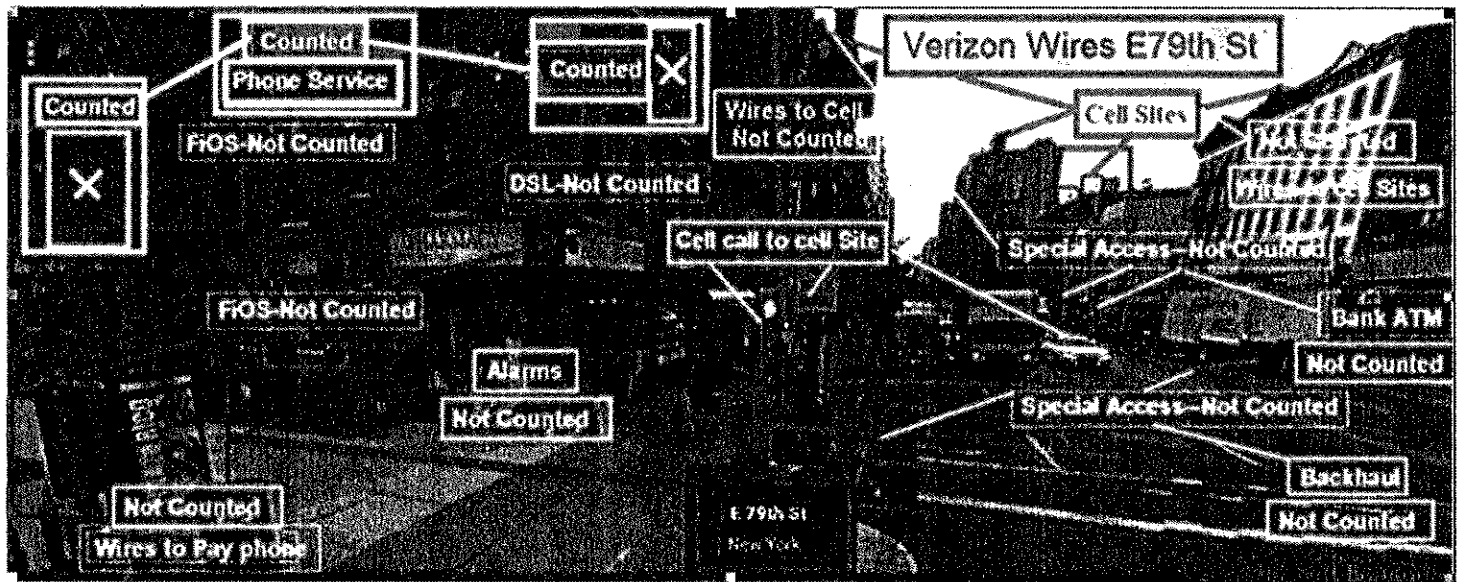
Without direct competition or even with the current ‘duopoly’ in some cities and states, the inflated rates for broadband, internet and cable TV, as well as phone, on the wireline side, are all inflated as compared to overseas.

At \$15 a month for the cheapest price or \$45.00 a month on average vs \$200.00 a

month in the US, this difference is too large to continue to be neglected and not fixed.

3) The Hidden Backhaul Wired Networks

On any given block in almost every town or city, there has been a utility telecommunications provider who has had the monopoly on most of the existing wires, fiber optics or copper.



This is a picture of E79th Street in New York City and there are wires everywhere, yet virtually know one knows that as they walk down the street, under their feet or on the poles, or connecting on roof tops, are wires, physical wires, that connect the wireless cell sites, for example.

In many cities, there are other providers of backhaul or who own control the wires used in certain buildings, but, there have been very few competitors that came in to offer wired services to homes, or even wireless by installing wires. Google, for example, started the wiring of cities, like Kansas City, but soon found it to be a daunting task, for many reasons.

We bring up the idea of the number of lines in service because Verizon NY has decided to redact the basic accounting of lines in the current annual report.

4) Redacted Accounting of Lines

How many Backhaul lines are there? On June 30th, 2020 we filed with the NY Public Service Commission about Verizon redacting even the basic lines in service.

“We request that the NY Public Service Commission (NYPSC) immediately deny Verizon’s motion to hide basic information and to require Verizon NY to supply the redacted information for Schedules 3, 8 and 61 of the Annual Report of Verizon NY Inc. for the Year Ending December 31, 2019, which was released on June 8th, 2020.”

This was the only information supplied about access lines, Schedule 61. If you compare the lines that are ‘not counted’ in the last graphic it is clear that most of the lines were never included in this accounting.

Annual Report of VERIZON NEW YORK INC. For the period ending DECEMBER 31, 2019

61. ACCESS LINES IN SERVICE								
1. Access lines are any and all facilities appearing at a customer's premises for which an access line charge is made as provided for in company tariffs. 2. Multi-line business access lines shall include all access lines provided to businesses with two or more lines on the same premises (i.e., two line service, key telephone system services, PBX system services). 3. Public access lines shall include all access lines provided to serve public coin telephones, semi-public coin telephones, customer owned coin operated telephones (COCOTS) and credit card telephones. 4. Private Line Circuits are telephone facilities furnished under contracts providing exclusive service, i.e., service not requiring central office switching operations.								
Line No.	Division of Territory (a)	Number of Access Lines						
		At Beginning of the Year (b)	During the Year		At End of the Year (e)			
		Added (c)	Discontinued (d)					
1	Manhattan (Bronx, Brooklyn Staten Island, N Manhattan, Queens, Manhattan)	Confidential	Confidential	Confidential	Confidential			
2	Midstate wo Connecticut (Midstate 132, Midstate 133)	Confidential	Confidential	Confidential	Confidential			
3	Connecticut	Confidential	Confidential	Confidential	Confidential			
4	Long Island - Suffolk NY AFA	Confidential	Confidential	Confidential	Confidential			
5	Upstate East NY AFA	Confidential	Confidential	Confidential	Confidential			
10		0	0	0	0			
NUMBER AT END OF THE YEAR								
Line No.	Access Lines Classified by Type						Mobile Access Lines (l)	Private Circuits (Instr. 4) (m)
	Business		Public	Residential				
	Single Line (f)	Multi-Line (Instr. 2) (g)	(Instr. 3) (h)	One Party (i)	Two Party (j)	Four or More Parties (k)		
1	Not Available	Confidential	Confidential	Confidential	Confidential	Confidential	Confidential	
2	Not Available	Confidential	Confidential	Confidential	Confidential	Confidential	Confidential	
3	Not Available	Confidential	Confidential	Confidential	Confidential	Confidential	Confidential	
4	Not Available	Confidential	Confidential	Confidential	Confidential	Confidential	Confidential	
5	Not Available	Confidential	Confidential	Confidential	Confidential	Confidential	Confidential	
10	0	0	0	0	0	0	0	

REDACTED

223-91

5) Inflated 55% EBIDTA Profit Margins of Backhaul.

The Verizon NY 2019 Annual Report supplied some basic information about the revenues and expenses for “Backhaul” — and it is seriously problematic.

**Verizon New York 2019 Annual Report, Highlights,
Published June 8th, 2020**

	Local Service	Access (BDS)	%
Revenues	\$863,900,772	\$1,945,072,618	125%
Total Operating Expenses	\$ 2,784,315,438	\$1,416,588,815	97%
Net Operating Revenues	\$ (1,920,414,666)	\$528,483,803	463%
BUSINESS DATA SERVICE	EBITDA		55%

Source: Verizon NY Annual Reports

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Revenue and Profits (Losses)

- **Local Service** in 2019 had revenues of \$864 million and showed a loss of \$1.92 billion, which gave a ‘tax benefit’ to Verizon Communications, Inc., the holding company.
- **Access Services**, including Special Access, had \$1.94 billion in revenue, 125% more revenue than Local Service but somehow paid half of the expenses charged to Local Service.
- (It is coincidental that Local Service had a loss of \$1.9 billion and backhaul had \$1.9 billion in revenues, rounded.)

In fact, Backhaul shows a 55% profit margin (Earnings Before Income Taxes, Depreciation and Amortization) “EBITDA”.

Zero Actual Lines in Service for Special Access. This is important — Verizon NY 2019 Annual Report showed these revenues and expenses, but no access lines in use are listed.

6) Context: 55% Compared to 11.25%

On October 15th, 2002, a previous version of AT&T filed a Petition with the FCC to

investigate the “special access” service rates, claiming that they were grossly excessive.

These were and are controlled by the “Bell” companies, now AT&T, Verizon and Centurylink. Historically, these services would have a profit margin of 11.25%, not 55%. This second version of AT&T (1984–2005) merged with SBC, one of the Bells, that would then change its name to AT&T. From the Petition:

AT&T's Petition to Investigate Special Access Services, October 15th, 2002

“THE BELLS’ SPECIAL ACCESS RATES ARE GROSSLY EXCESSIVE AND UNLAWFUL AND ARE BECOMING MORE! SO...”; “THE BELLS’ UNLAWFUL SPECIAL ACCESS RATES ARE HAVING SEVERE AND GROWING ANTICOMPETITIVE EFFECTS.”

7) ADDING IT ALL UP

§ There are basic copper and fiber optic wires, known as ‘backhaul’ that are part of the state utility, in this case Verizon New York.

§ While “backhaul” is now very profitable, 55% EBITDA, Local Service, which relies on much of the same infrastructure, has \$1.9 billion in losses.

§ Part of the Backhaul profits are created because this line of business is being cross-subsidized by basic Local Service.

§ By keeping this critical infrastructure at record profits and the prices are multiples of what should be charged, ALL of America’s wireless services have inflated rates, as well as all broadband, internet, cable and even voice services –not to mention the Triple Play bundle.

§ These inflated rates and the ability to block competition and add multiple extra made up fees, make America’s communications services some of the most expensive in the world.

Going forward, there is a continued trend to redact and hide basic information, even

though Verizon NY is still a state-based public telecommunications utility.

8) POSTSCRIPT: Excerpts from the Redacted Docs

I leave you with excerpts from 2 separate letters filed 6 years apart (and once a month), though this all started earlier. It would seem that the NY State would notice over 70 letters and then 70 redacted reports. Isn't it time to let the public see what's been redacted all these years.

Do you think that the Verizon lawyers have a bag of key words and put them into different configurations to liven up the letters?

Albany, New York 12223-1350

verizon[✓]

Re: Case 00-C-2051 – Request for Trade Secret Protection – Verizon New York Inc.'s Special Services Service Inquiry Reports for May 2014

Dear Ms. Giliberto:

In accordance with the Commission's June 15, 2001 Order in Case 00-C-2051, enclosed please find copies of Verizon New York Inc.'s ("Verizon") Service Inquiry Reports. These reports identify non-threshold performance in Special Services reporting entities. Verizon asks that the enclosed documents be treated as trade secrets and confidential commercial information pursuant to the Freedom of Information Law ("FOIL") and the Commission's Rules promulgated thereunder, on the grounds that the documents contain trade secrets and confidential, commercially sensitive information, the public disclosure of which would place Verizon at an unfair competitive disadvantage.¹

Re: Case 00-C-2051 – Request for Confidential Treatment March 11, 2020

Dear Ms. Vigars:

Verizon New York Inc. ("Verizon") respectfully requests that the accompanying Special Services Service Inquiry Reports be treated by the Commission and the Department of Public Service as trade secret and confidential commercial information within the meaning of the State Freedom of

Information Law ("FOIL"), Publ. Off. L. §§ 87(2)(d) and 89(5), and the Department's regulations implementing FOIL. These reports identify non-threshold performance in Special Services reporting entities. Confidential treatment is sought on the grounds that public disclosure of the information contained in the reports would place Verizon at an unfair competitive disadvantage.

Part II: The FCC's "5G Fast's" attack is to remove the wired networks' obligations and regulations.

While the FCC and Congress plan massive financial give-aways for 5G, our next article will highlight how the Wireless services are not paying market prices for Backhaul and Access to the networks; they are being illegally cross-subsidized charging local phone customers.

i.e. 5G is a con and it is not profitable once these cross-subsidies are removed.

Moreover, fixing all of these cross-subsidies can lower rates dramatically and help to fund a fiber optic based state-public utility, open to all competitors and customers at reasonable rates.

[Verizon](#) [Fiber Optic Cable](#) [Net Neutrality](#) [5g](#) [Wireless](#)

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Williams, Stephanie

From: David Schroeder <davidschroeder@nordby.net>
Sent: Thursday, July 16, 2020 3:26 PM
To: City Clerk
Cc: _CityCouncilListPublic
Subject: [EXTERNAL] Attachment for 7.21.20 City Council Mtg
Attachments: Reinventing Wires.pdf

RECEIVED

JUL 16 2020

CITY OF SANTA ROSA
CITY CLERK'S OFFICE

Madame city clerk,
Please place the attached file into public record and attach it to the agenda regarding item 3.2 for the 7.21.20 city council meeting.
Thank you.

David A. Schroeder

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From a broad analysis of available data, *"Re-Inventing Wires: The Future of Landlines and Networks"* demonstrates wireless systems cannot provide long-term solutions for universal, reliable and affordable Internet accessibility, nor support the ever-increasing data rates that will be needed in the near future for each American home and business. Investment in wired, not wireless, information infrastructure is needed across the U.S. right now.

Schoechle says, *"Government officials have been misled about the adequacy of wireless communications. Legislators should stop enabling the wireless industry's plans for massive new deployments of 4G LTE and soon 5G millimeter wave antennas throughout American neighborhoods, and instead commit to supporting reliable, energy-efficient and enduring hard-wired telecommunications infrastructure that meets the nation's immediate and long-term needs."*

"Re-Inventing Wires: The Future of Landlines and Networks" explains why on *technological*, and other grounds, including the energy guzzling nature of wireless antennas and networks, an intensely wireless approach to communications, now being planned by the wireless industry, is the wrong direction, and very clearly not in the public's best interest.

"Largely due to failures and consequences of the Telecommunications Act of 1996," Schoechle says, *"the Internet is not living up to its potential. It has been hijacked by the commercial motivations that have come to re-define and constrain the availability, quality, content, and media of high-speed access in the United States... While other countries are investing to assure citizens' access to a fast and reliable information highway, U.S. legislators appear asleep at the switch, captured by the wireless industry and its lobbyists."*

Importantly, *"Reinventing Wires: The Future of Landlines and Networks"* explains the renaissance that has occurred in wired technologies in recent years and how these advances offer tremendous potential for America's sustainable connectivity of the future, one that is fast, equitable, safe, secure, and energy-efficient.

The paper, *"Re-Inventing Wires: The Future of Landlines and Networks,"* will be presented as part of a panel at The Commonwealth Club of California, Monday, February 5th at 5:30 p.m. in San Francisco, CA.

Contacts

National Institute for Science, Law & Public Policy (NISLAPP)

Camilla Rees, MBA, Senior Policy Advisor

(917)-359-8450

or

NISLAPP

Timothy D. Schoechle, PhD

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September 1, 2018

Dear Members of Congress,

“Re-Inventing Wires: The Future of Landlines and Networks”, published by the National Institute for Science, Law & Public Policy (NISLAPP), is being sent to you personally because it is critically important that Members of Congress understand that ‘antenna densification’ in America, i.e., deployment of 4G/5G wireless antennas densely throughout our neighborhoods, is a very serious mistake.

Congress should not be blindly enabling what will be a disservice to the American people.

Elected officials have been misled about the adequacy of wireless Internet access networks, which cannot provide the reliable, energy-efficient and enduring telecommunications infrastructure this country needs and deserves.

The present ‘wireless densification’ approach only serves the financial interests of wireless companies. The U.S. needs to weigh in on the far superior, hard-wired technological options that some cities in the U.S., and many other countries, are wisely pursuing.

Legislators should under no circumstances enable the wireless industry’s plans for massive new deployments of 4G LTE, and soon, millimeter wave 5G antennas.

“Re-Inventing Wires: The Future of Landlines and Networks” explains how it came to be that an extremely inferior technology laden with risks is being mistakenly perceived as an advancement, and why fiber to the premises (i.e., not fiber to support more wireless antennas) is unquestionably the very best technological option to support our economy and society.

There are 13 important reasons why fiber to the premises is preferable to wireless access networks, and each reason is of great concern to your constituents. There are negative impacts from wireless access networks, and from ‘antenna densification’, on:

- Speed of Internet access
- Equal Internet access
- Quality of voice communication
- Reliability
- Energy usage and efficiency
- Resiliency in extreme weather events
- Value, for the money
- Safety and cybersecurity

(continued)

- Public health
- Personal privacy
- The biological ecosystem
- Landline phone access when the power goes out, and
- The integrity of the communications system as a whole, which has become, as described by the paper's author, Timothy Schoechle, PhD, "hijacked by commercial motivations" and riddled with planned obsolescence and unnecessary future costs for us all.

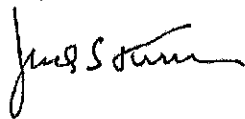
All of these would be successfully addressed by a hard-wired, fiber optic approach to our communications.

NISLAPP published this paper to provide historical understanding and technological facts to support an informed dialogue on this subject. It is important that government officials stop taking their lead from the wireless industry, which naturally wants to promote its own technologies and the growth of the wireless industry overall. The advantages and disadvantages of different approaches to communications must be weighed before we go further down an ill-considered wireless trajectory for which, from many different perspectives, as Dr. Schoechle describes in "*Re-Inventing Wires*", there is absolutely no justification.

"*Re-Inventing Wires*" clearly explains why wireless access networks are laden with risks, technologically limited, undependable, energy-intensive and relatively inefficient, and should be used as an adjunct service only and primarily for things that move, and also why investment in fiber to the premises should be the foundation of telecommunications in the United States.

We ask for your serious and prompt investigation of the issues raised in "*Re-Inventing Wires: The Future of Landlines and Networks*". A lot is at stake for our society and economy; thus, your attention is gratefully appreciated.

Very sincerely,



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Enclosures

RECEIVED

Williams, Stephanie

JUL 16 2020

From: catherine dodd <catherine.dodd@gmail.com>
Sent: Thursday, July 16, 2020 3:56 PM
To: _CityCouncilListPublic
Subject: [EXTERNAL] Meeting July 21 Item 3.2 WIRELESS SMALL CELL DEPLOYMENTS ON CITY OWNED STREET LIGHTS AND JOINT UTILITY POLES

CITY OF SANTA ROSA
CITY CLERK'S OFFICE

Dear Honorable Mayor and Members of the City Council,

Thank you for having this study session. I am hoping that in advance you might consider the attached monograph published by the Harvard Center for Ethics. It's a quick and fascinating read. "Captured Agency: How the Federal Communications Commission is Dominated by the Industries"

https://ethics.harvard.edu/files/center-for-ethics/files/capturedagency_alster.pdf

This analysis reviews the influence over the FCC, through the financial (and other) ties, the telecom and wireless industry uses to accomplish their industry goals. Investigative journalist Norm Alster shows that the regulatory agency is being controlled by the very industry it regulates. In the monograph, "Alster reports not only on financial connections but also describes how the telecom industry is using the same playbook as tobacco did as described in the book and documentary: "Doubt" about the Tobacco industry's tactics to create "doubt" and convince the public that cigarettes were safe. Alster calls out the actions the FCC has and is taking such eliminating funding for science on health effects after the NTP findings were made public, trivializing credible peer reviewed science and scientists, refusing to even acknowledge the science, passing minimal regulation requirements **and eliminating local control**, as well as using industry influence on members of key Congressional committees. All these actions while the telecom industry is conducting the largest public relations campaign in history. A list of additional examples of industry influence can be found at: <https://ehtrust.org/science/research-industry-influence-emfs/>.

Please consider the unethical actions of this industry and make decisions based on the well-being of Santa Rosa residents and visitors. I hope you will act to restore and retain as much local control as possible.

Stay Safe, 707-595-3769

Catherine Dodd PhD RN (pronouns she, her, hers)



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Aristotle: "Even calamities have a soul and can teach us a wise life."