

Filtering Out the Bots: What Americans Actually Told the FCC about Net Neutrality Repeal

A state-by-state, district-by-district look at unique comments filed to the FCC in the 2017 repeal proceedings

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Executive Summary

This report aims to shed light on the unprecedented level of public comment to the FCC on its proposed 2017 order to repeal net neutrality protections. More than 22 million comments were filed to the FCC ahead of its December vote.

Unfortunately, millions of these comments were fake, including ones that were deliberately filed using other people's email addresses, including those of Senators, journalists and dead people. These automated campaigns were apparently intended to disrupt the public comment process, and they successfully made any attempts by journalists, lawmakers or policy groups to analyze the comments next to impossible.

The FCC's comment system does not include any mechanism for validating comments, and the FCC made no attempt to help the public, policymakers, academics or journalists make sense of the overwhelming number of comments.

Thus, a giant, unknown question remains: What did the American people tell the FCC about its 2017 vote to abolish net neutrality protections and to no longer ensure that Americans were free to choose what sites, services and applications they use without interference from the companies they pay to get online?

This report is intended to help answer that question and allow journalists, policy makers and the public understand the volume and sentiment of the comments to the FCC about its net neutrality repeal.

This report does so by focusing exclusively on the 800,000+ comments that are semantic outliers, e.g. not part of a form letter campaign. This report aims to make this large group of comments understandable by further breaking the corpus into reports of unique comments for every Congressional district and state. This was done by matching unique comments with physical addresses to Congressional districts.

In all, 646,041 unique comments were matched to Congressional districts. *UPDATE 10/24: After accounting for redistricting in Pennsylvania, the total count is now 646,099.*

The unique comments are overwhelmingly in support of retaining the protections of the 2015 Open Internet Order. A manual analysis of 1,000 of these comments showed that 99.7% of the comments opposed the repeal.

While this report does not take into consideration the large number of real but pre-written comments filed to the FCC via online campaigns, the unique comments show:

- Support for net neutrality protections is geographically widespread. Contrary to assertions that rural voters don't care about net neutrality, the reports show that **citizens in rural areas who have extremely limited choice of broadband providers are concerned about what happens if their only choice of broadband provider is allowed to block, throttle or create paid fast lanes.**
- **Contrary to assertions that net neutrality supporters don't understand the issue, the reports show that commenters grasp the issue**, including many referencing the once-arcaic issue of whether the FCC classifies broadband providers under Title I or Title II of the Communications Act.
- **Polls have consistently shown that net neutrality protections are popular across party lines. This is supported by the geographical breakdown of the comments.** While the highest number of unique comments come from traditionally Democratic urban districts, the average number of comments in all districts was 1,489, with an average of 1,202 in Republican-held districts. *UPDATE 10/24: After accounting for redistricting in Pennsylvania, the average number of comments in all districts was 1,468; with an average of 1,854 for Democratic districts and 1,196 for Republican districts.*
- **The report also found that the number of unique comments is higher than average in districts labeled by the Cook Political Report as Toss-Up and Lean Democratic** (Lean districts are considered competitive). In districts rated as Lean Republican, the average number of unique comments was significantly higher than the average for a Republican district: 1,467 for the Lean Republican district vs. a 1,202 average for Republican districts. *UPDATE 10/24: After accounting for redistricting in Pennsylvania, the average number of comments in Lean Republican districts was 1,456 versus 1,196 average for Republican districts.*

Given recent polling showing that support for net neutrality would influence the votes of 56% of both Independent and undecided voters, these reports can help journalists and lawmakers have a better understanding of the strength of support for net neutrality in these battleground districts.

- The report also includes **suggestions for how the FCC and other agencies that are open to public comment can better combat fraudulent comment campaigns and comment stuffing, while also lowering the barriers to public participation.**

Links to individual district and state reports and to zip files of all the reports can be found in Appendices A and B at the end of this report.

Introduction:

In April 2017, the Federal Communications Commission released a Notice of Proposed Rulemaking (NPRM) seeking comment on a proposal to repeal the FCC's 2015 Open Internet Order.

Nearly 24 million comments were filed in response to the "Restoring Internet Freedom" order through the FCC's Electronic Comment Filing System (ECFS).¹ That set a new record that passed the nearly four million comments filed leading up to the 2015 Open Internet Order.²

The deluge exposed and exploited flaws in ECFS. For instance, the FCC claimed that the system went down due to a Denial of Service Attack at the same time that the popular TV show *Last Week Tonight With John Oliver* directed viewers to file comments opposing net neutrality repeal.³ Those claims were later shown by the FCC Inspector General to be false, and that the system failed because of architecture choices that caused the system to make unnecessary and burdensome API calls on each submission.⁴

Additionally, the system was flooded during the course of the proceedings with millions of fake comments. These included campaigns that falsely used people's names and email addresses, including those of senators, dead people and journalists.⁵ The FCC made no effort to investigate the source of the fake comments and stonewalled an attempt by the New York Attorney General's office to investigate.⁶

ECFS makes no attempt to verify that users of its website or its API are submitting legitimate comments. For instance, the system does not send a confirmation email to an email address submitted in a comment to get confirmation or denial that the comment attributed to an email address was actually submitted by that email address's account owner.

Despite receiving 22 million comments by the end of the official comment deadline in August, the FCC said it was able to process all the comments and incorporate them into the proposed order that it released on November 22, 2017.⁷

¹ https://apps.fcc.gov/edocs_public/attachmatch/DA-17-1089A1.pdf

² <https://www.fcc.gov/news-events/blog/2014/12/23/setting-record-straight-open-internet-comments>

³ <https://www.wired.com/story/fcc-net-neutrality-investigation/>

⁴ <https://gizmodo.com/heres-the-internal-report-proving-the-fcc-made-up-a-cyb-1828166991>

⁵ https://motherboard.vice.com/en_us/article/wjzjv9/net-neutrality-fraud-ny-attorney-general-investigation

⁶ <https://medium.com/@NewYorkStateAG/an-open-letter-to-the-fcc-b867a763850a>

⁷ <https://www.fcc.gov/document/proposal-restore-internet-freedom>

However for the public, academics, policy makers and researchers, the morass of fake comments made it nearly impossible to gain any insight into genuine public participation in the momentous proceeding.

This report aims to help journalists, policy groups, legislative staff, lawmakers and academics gain better insight into how Americans responded to the proposed repeal of net neutrality protections.

The report does this by focusing on the 800,000+ unique comments (e.g. non-form letter comments). Comments submitted with physical addresses were then geo-tagged to Congressional districts by zip code and the Census Bureau's API. *UPDATE 10/24: To account for redistricting in Pennsylvania, which was not reflected in the Census Bureau's zip code file or API, all commenters reporting Pennsylvania addresses were re-processed using Google's Civic API.*

This report then groups these 646,041 unique and geo-coded comments into separate reports for each Congressional district and state. *UPDATE 10/24: After accounting for redistricting in Pennsylvania, the total number of unique comments that were geo-coded was 646,099.*

This report builds on work done on this corpus by data scientists and policy groups.

Most importantly for this report was the work of Jeff Kao, who used machine learning models to separate the 2017 comments into a number of identifiable "campaigns," each comprised of comments virtually identical to one another. To do this, he took the 60+GB dataset of comments, mapping each comment into semantic space vectors. Then Kao further clustered the comments based on their meaning, which resulted in approximately 150 clusters of comment submissions.

Kao's grouping work also filtered out approximately 800,000 comments that were semantic outliers, which this report calls "unique comments."⁸ Kao generously provided the dataset of labeled campaigns, which allowed this report's further work on the unique comments.

This is not to say that all non-unique comments filed to the FCC via online campaigns are fake.

Subsequent work done by Kao involved attempting to contact commenters by emailing them and asking them if they submitted the comment attributed to their email address. Kao found a wide variance in response and bounce rates across campaigns, but the work also showed that

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<https://hackernoon.com/more-than-a-million-pro-repeal-net-neutrality-comments-were-likely-faked-e9f0e3ed36a6>

many of the form letter submitters, especially those submitting pro-net neutrality comments, confirmed that they did submit the comment.⁹

However, due to the large amount of noise created by fake comments, it remains very difficult to locate the real signals in the non-unique comments.

For instance, Kao found 1.3 million comments in a single campaign that attempted to mimic real comments by substituting synonyms in a form comment. Five such variations are shown in the image below.¹⁰

"In the matter of restoring Internet freedom. I'd like to recommend the commission to undo The Obama/Wheeler power grab to control Internet access. Americans, as opposed to Washington bureaucrats, deserve to enjoy the services they desire. The Obama/Wheeler power grab to control Internet access is a distortion of the open Internet. It ended a hands-off policy that worked exceptionally successfully for many years with bipartisan support.",

"Chairman Pai: With respect to Title 2 and net neutrality. I want to encourage the FCC to rescind Barack Obama's scheme to take over Internet access. Individual citizens, as opposed to Washington bureaucrats, should be able to select whichever services they desire. Barack Obama's scheme to take over Internet access is a corruption of net neutrality. It ended a free-market approach that performed remarkably smoothly for many years with bipartisan consensus.",

"FCC: My comments re: net neutrality regulations. I want to suggest the commission to overturn Obama's plan to take over the Internet. People like me, as opposed to so-called experts, should be free to buy whatever products they choose. Obama's plan to take over the Internet is a corruption of net neutrality. It broke a pro-consumer system that performed fabulously successfully for two decades with Republican and Democrat support.",

"Mr Pai: I'm very worried about restoring Internet freedom. I'd like to ask the FCC to overturn The Obama/Wheeler policy to regulate the Internet. Citizens, rather than the FCC, deserve to use whichever services we prefer. The Obama/Wheeler policy to regulate the Internet is a perversion of the open Internet. It disrupted a market-based approach that functioned very, very smoothly for decades with Republican and Democrat consensus.",

"FCC: In reference to net neutrality. I would like to suggest Chairman Pai to reverse Obama's scheme to control the web. Citizens, as opposed to Washington bureaucrats, should be empowered to buy whatever products they prefer. Obama's scheme to control the web is a betrayal of the open Internet. It undid a hands-off approach that functioned very, very successfully for decades with broad

Image courtesy Jeff Kao

Attempting to understand more about how fake comments such as these were filed, independent journalist Jason Prechtel sued the FCC for not fulfilling his FOIA request for data about the submissions.¹¹ For its part, the New York Times filed suit as well, arguing that the FCC was not releasing data that could reveal possible interference in the proceeding by Russian nationals.¹²

⁹

<https://hackernoon.com/we-are-uncovering-more-fake-pro-repeal-net-neutrality-comments-that-suggest-large-scale-244c900f5043>

¹⁰ *ibid*

¹¹

<https://arstechnica.com/tech-policy/2018/09/judge-fcc-cant-hide-records-that-may-explain-net-neutrality-comment-fraud/>

¹² <https://www.engadget.com/2018/09/21/nyt-sues-fcc-over-foia-requests/>

This report, however, attempts a different tactic in attempting to better understand the 2017 comments. By stripping away all non-unique comments - including those legitimately filed -- and then grouping these unique comments by geography where available, one is left with a much more manageable corpus.

Kao's study found over 800,000 unique comments that were filed from April 2017 to October 27.

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To understand the sentiment of these comments, Kao sampled a random selection of 1000 unique comments and then he categorized each comment's sentiment. Kao found that 99.7% of the sampled comments supported retaining the protections of the 2015 Open Internet Order.¹⁴

However, even at 800,000 unique comments, this corpus is difficult for policy makers, researchers and individuals to work with. Even for those with expertise in machine learning and the financial ability to work with a large dataset, insights into the comments have been limited. For its part, the FCC has made no efforts to help the public or policy makers to make sense of the submitted comments.

That's unfortunate as the public policy debate over net neutrality protections most certainly did not end with the FCC vote in 2017 to repeal the 2015 protections.

The Senate voted in May 2018 to repeal the FCC's 2017 Order, and members of the House are now considering whether to support the Congressional Review Act resolution to restore the 2015 Open Internet Order.

Net neutrality is likely to be a key issue in some midterm Congressional elections, with a recent poll in four battlegrounds showing that candidates' stands and actions on net neutrality would affect a majority of voters' decisions.¹⁵

Thus the goal of this report is to create digestible and localized reports can help lawmakers, candidates and journalists better understand how and why net neutrality resonates with voters.

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<https://hackernoon.com/more-than-a-million-pro-repeal-net-neutrality-comments-were-likely-faked-e9f0e3ed36a6> "Even though the Net Neutrality Public Comment Period ended on August 30, 2017, the FCC ECFS system continued to take comments afterwards, which were included in the analysis." Kao's corpus does not include all of the comments filed in the proceeding as additional comments were filed up until the official repeal vote on December 2017. Additionally Kao estimated that his script to pull in comments likely missed 50K or so comments due to technical issues.

¹⁴ As it is statistically impossible that sentiment level would change dramatically in any individual geographic breakdown, this sampling was not redone on individual reports.

¹⁵ <https://morningconsult.com/2018/05/23/democrats-net-neutrality-push-resonates-with-base-poll-shows/>

Findings:

Commenters Understand Net Neutrality:

While it's not uncommon for lawmakers and journalists to say that people don't actually understand what net neutrality is, the reports show that a large number of commenters grasp the issue.

Reading through any of these reports make it clear that commenters clearly understand what net neutrality is. Many commenters also showed a nuanced understanding that classifying broadband providers under Title II allows the FCC to regulate those companies as common carrier, while a classification of broadband providers as "information services" under Title I of the Communications Act of 1996 would not allow the FCC to impose common carrier obligations.

While an understanding of this distinction used to be limited to academics, policy makers, activists and some journalists, it is clear from the comments that these classifications are much more widely understood.

Perceived Differences in Rural vs. Urban Concerns Appear Unfounded:

It's also quite common for net neutrality opponents to suggest that Americans living in rural areas don't care about net neutrality. The data suggests otherwise.

Rural commenters who have slow and expensive internet service with few, if any, choices of providers express strong concerns about the ability of their provider to unfairly interfere with their choices about what they do online.

Moreover, the Republican district with the largest number of pro-net neutrality comments is Montana's 1st district, which encompasses the entire state. Montana is the third most rural state in the country.

Here are a few [comments from Montana](#) that specifically refer to the effect of net neutrality on those living in rural areas:

Audrey, Martin City, MT, 59926

KEEP NET NEUTRALITY!! Do NOT repeal net neutrality!! Once again the big companies want to take away our freedom of what information we receive by slowing down sites they deem unfit or that haven't paid them the amount of money they could get

if access to the internet was controlled by them the supplier. WE ALREADY PAY FOR THOSE LINES THAT BRING US THE INTERNET INTO OUR HOMES. DONT FORGET THAT PEOPLE!! There is NO FREEDOM FOR YOUR CONSTITUENTS ONLY FREEDOM TO CORPORATIONS THAT ARE GOING TO DECIDE WHAT SPEED CERTAIN INFORMATION IS GIVEN TO US! We all own the internet. The people that supply the link are already getting paid by us through cable, phone companies, etc. These companies are influencing our government by allowing their greed for more money to come before the American People. People, by the way, pay the FCC salary. So what about the people, you as the FCC commission, are suppose to look out for? and make sure the people of the United States are not getting taken advantage of? If you repeal net neutrality you will be slapping the face of every rural and regular Joe that voted for trump. There will be backlash far and fast. Everyone uses the internet. But us out in the boonies aren't able to get fast connections and now you want to make it worse. The internet is part of our infrastructure. It should be a utility that is for everyone, not only for the rich. No one should be controlling any information that is FREE to us THE AMERICAN PEOPLE! USING THE WORD "FREEDOM" for corporations isn't going to fool anyone. DO NOT CONTROL WHAT WE SEE AND WHEN WE SEE IT.

Kimberly Jakubowski, Lolo, MT, 59847

Net neutrality is vital when you live in a very Rural area where access is limited to 1.5mbps bandwidth. To be subjected to further constraints in user access, to be determined by the ISP, when the ISP (in this case Centurylink) won't even provide a decent pipeline to access the internet in the first place, is unthinkable. There are NO alternatives where I live. The landline telephone (and therefore slow DSL) is the only link to the outside world. There is no cable, there is no cell service. Paragraph 82 asks for input on throttling, when I'm throttled so severely by the 1990's version of the internet as my only option, further restrictions are simply unacceptable. As a consumer, I should be able to determine what is a priority to access, not Centurylink who already limits my access by virtue of a lack of investment in their plant.

Bronwyn George, Great Falls, MT, 59401

Do not repeal net neutrality rules! Please support Net Neutrality backed by title 2 oversight on ISPs. Repealing these rules would be disastrous for consumers like me, who already have limited choices when it comes to high speed ISP selection (being in a relatively rural area- but even when I lived in a metro area we really only had one choice- Time Warner!) and getting rid of Net Neutrality would mean that prices for my services online would skyrocket, and effectively cut me off from the VITAL access to the web. My livelihood is dependent on net neutrality and I urge you not to allow businesses to artificially create roadblocks and fleece consumers for more and more money.

Jebediah Rosen, Victor, MT, 59875

As a student, software developer, and internet citizen, I depend heavily on my service provider(s) to remain fair in their offerings. Without regulations, internet companies such

as Comcast and Verizon will further abuse their effective monopolies and will strongarm content providers, streaming services, and whatever else in their ends profit. Their tactics hurt customers, in such a way that the customer doesn't always know or might never know. Deregulation especially hurts rural customers, where there is often only one internet provider to choose from. The control content providers have over the market and the proposal to open that up even more again can only hurt internet freedom, not restore it.

Net Neutrality Support is Strong in Democratic and Republican Districts:

While there were more comments on average from House districts represented by Democrats, a substantial number of unique comments were filed in Republican districts as well.

The districts with the ten largest numbers of unique comments are represented by Democrats, and cover the San Francisco Bay Area, Seattle, Portland, Los Angeles, New York City, Denver and Minneapolis.

But as would be expected by polling that shows that net neutrality is popular across the political spectrum - a recent poll put support for net neutrality higher among Republicans than Democrats¹⁶, the unique comments were hardly limited to traditionally Democratic urban areas.

25 districts currently represented by Republican legislators had over 2,000 unique comments filed to the FCC. The lowest number of comments in any Republican Congressional district was 249 unique comments from the 21st district in California. While that number looks low in comparison to many other districts, that's still an impressive number of constituents who took the time to file unique comments to a federal agency in any proceeding.

The average number of comments for each state Congressional district was 1,489. State Congressional districts currently represented by Democrats had an average of 1,846 comments. In comparison, state Congressional districts represented by Republicans had an average of 1,202. *UPDATE 10/24: After accounting for redistricting in Pennsylvania, the average number of comments in Democratic districts is now 1,854, while Republican-held districts average 1,196.*

It's not possible to identify commenters by political party with the FCC data, though it's not uncommon for commenters to reference their political leanings in the comments.

¹⁶ <https://morningconsult.com/2018/05/23/democrats-net-neutrality-push-resonates-with-base-poll-shows/>

Net Neutrality Comments are Higher in Battleground Districts:

A recent survey of four battleground districts in the 2018 midterms (CA-25, CO-06, FL-18, NY-19) found that 57% percent of all voters surveyed, 56% of Independents and 56% of undecided voters said that net neutrality was important to them in their voting decision in the midterm.¹⁷

These voters overwhelmingly support net neutrality and said they want their member of Congress to force a vote to overturn the FCC repeal and restore net neutrality protections. These districts had 1,225, 2,227, 1,115 and 1,865 unique comments, respectively.

To add further insight into how voters in battleground districts responded to the repeal of net neutrality, the following charts break out the number of unique comments for Congressional races labeled as Toss-Ups, Lean Democratic and Lean Republican. These designations rely on the Cook Political Report's ratings from September 19, 2018.¹⁸

The average number of unique comments in the toss-up races is 1,531 -- slightly higher than the 1,489 unique average for a Congressional district. *UPDATE 10/24: After accounting for redistricting in Pennsylvania, the average number of comments in a Congressional district is 1,468.*

The lean Democratic races average number of unique comments is substantially higher than that of the average Congressional district at 1,777 vs 1,489. This approaches the average number of comments in Democratic districts - 1,846. *UPDATE 10/24: After accounting for redistricting in Pennsylvania, the average number of comments in lean Dem races is 1,770 vs. the average Congressional district at 1,468. The average in Democratic districts is now 1,854.*

The lean Republican races have just slightly fewer unique comments than the average Congressional district - at 1,467 versus 1,489. But these districts have substantially more unique comments than the average Republican district, which is 1,202. *UPDATE 10/24: After accounting for redistricting in Pennsylvania, the lean Republican races still have slightly fewer unique comments than the average Congressional district at 1,456 vs. 1,468.*

¹⁷

<http://www.netfreedom.us/wp-content/uploads/2018/07/IMGE-Insights-NN-July-House-Battleground-Survey-Memo.pdf>

¹⁸ <https://www.cookpolitical.com/ratings/house-race-ratings/185417>

All of the data and calculations for this section can be found in this public spreadsheet:
<https://docs.google.com/spreadsheets/d/18NjSfsp7QEfjoiZ0NduLKAtypor2ZMHfBV9scVLgAjA/edit?usp=sharing>

Toss-Up Races

Representative Name	State	District	Party	Unique Comment Count
Jeff Denham	CA	10	Republican	867
Steve Knight	CA	25	Republican	1,225
Edward Royce	CA	39	Republican	1,365
Mimi Walters	CA	45	Republican	2,377
Dana Rohrabacher	CA	48	Republican	2,038
Mike Coffman	CO	6	Republican	2,227
Ileana Ros-Lehtinen	FL	27	Republican	1,417
David Young	IA	3	Republican	1,662
Peter Roskam	IL	6	Republican	2,046
Lynn Jenkins	KS	2	Republican	1,326
Kevin Yoder	KS	3	Republican	2,136
Garland Barr	KY	6	Republican	1,376
Bruce Poliquin	ME	2	Republican	953
Mike Bishop	MI	8	Republican	2,013
Dave Trott	MI	11	Republican	1,783
Timothy Walz	MN	1	Democrat	1,074
Richard Nolan	MN	8	Democrat	974
Robert Pittenger	NC	9	Republican	854
Tom MacArthur	NJ	3	Republican	1,115
Leonard Lance	NJ	7	Republican	1,870
Stevan Pearce	NM	2	Republican	969
John Faso	NY	19	Republican	1,865
Claudia Tenney	NY	22	Republican	1,231
Steve Chabot	OH	1	Republican	1,436
John Culberson	TX	7	Republican	1,522
Pete Sessions	TX	32	Republican	1,838
Scott Taylor	VA	2	Republican	1,361
David Brat	VA	7	Republican	1,447
David Reichert	WA	8	Republican	2,023
			Total	44,390
			Average	1,531

Lean Democratic Districts

Representative Name	State	District	Party	Unique Comment Count
Martha McSally	AZ	2	Republican	2,254
Darrell Issa	CA	49	Republican	2,157
Rod Blum	IA	1	Republican	1,230
Jason Lewis	MN	2	Republican	1,805
Erik Paulsen	MN	3	Republican	2,224
Rodney Frelinghuysen	NJ	11	Republican	1,677
Jacky Rosen	NV	3	Democrat	1,690
Patrick Meehan*+	PA	7	Republican	1975
Matthew Cartwright*+	PA	17	Democrat	428
Barbara Comstock	VA	10	Republican	2,263
			Total	17,703
			Average	1,770

* This report's original Pennsylvania reports are based on older district lines that were invalidated in February 2018.

+This chart and report was updated on 10/24 once the comments were be geo-tagged to the new districts.

Lean Republican Districts

Representative Name	State	District	Party	Unique Comment Count
French Hill	AR	2	Republican	968
Duncan Hunter	CA	50	Republican	1,323
Vern Buchanan	FL	16	Republican	1,346
Carlos Curbelo	FL	26	Republican	1,025
Karen Handel	GA	6	Republican	2,340
Rob Woodall	GA	7	Republican	1,207
Rodney Davis	IL	13	Republican	1,600
Randy Hultgren	IL	14	Republican	1,596
Ann Wagner	MO	2	Republican	1,867
Greg Gianforte	MT	1	Republican	2,753
George Holding	NC	2	Republican	1,341
Don Bacon	NE	2	Republican	1,807
Chris Collins	NY	27	Republican	1,224
Patrick Tiberi	OH	12	Republican	1,666
Tom Marino**	PA	10	Republican	606
Lloyd Smucker**	PA	16	Republican	1,053
Marshall Sanford	SC	1	Republican	1,251
Will Hurd	TX	23	Republican	634
John Carter	TX	31	Republican	1,879
Mia Love	UT	4	Republican	1,921
Thomas Garrett	VA	5	Republican	1,394
Jaime Herrera Beutler	WA	3	Republican	2,105
Cathy McMorris Rodgers	WA	5	Republican	2,021
Paul Ryan	WI	1	Republican	1,074
Evan Jenkins	WV	3	Republican	398
			Total	36,399
			Average	1,456

* This report's original Pennsylvania reports are based on older district lines that were invalidated in February 2018.

+This chart and report was updated on 10/24 once the comments were be geo-tagged to the new districts.

Improving the Comment Process:

This study does not address the vast majority of comments that had the exact same or very similar language to other submissions, e.g. all the comments identified as non-unique.

This is not to say that those comments are either all fake or that they are unimportant. The research this report draws on found that these campaigns varied widely in their likelihood of having been fraudulently submitted. Some campaigns contained a large or complete percentage of fake submissions including using fake email addresses or borrowed identities.

But some of these campaigns had a high percentage of real comments submitted by real people.

A huge percentage of comments were filed to the FCC by third-party sites that submit to the FCC by its API. There are a wide range of reasons this is done, but one of the major contributors is that the FCC's comment platform is hard to navigate and prone to falling over when there is substantial traffic.

For instance, organizations can't share a direct FCC link that lets people immediately comment on a given docket. Instead, those who wish to add comment need to search for a specific docket, and then find the link to the page to submit a comment.

The FCC's own instructions tell people that they need to load the comments via a search of its database to get to the express filing page:

"Those who wish to file individual comments should submit them electronically via the Electronic Comment Filing System (ECFS) by going to Proceeding 17-108 at [https://www.fcc.gov/ecfs/search/proceedings?q=name:\(\(17-108\)\)](https://www.fcc.gov/ecfs/search/proceedings?q=name:((17-108))) and clicking on the "+ Express" link to file an express comment."¹⁹

If, however, the Express commenting page itself could be directly visited and hotlinked to, the system would be far easier to navigate and would go far to reducing the load on the ECFS system.

¹⁹ <https://www.fcc.gov/restoring-internet-freedom-comments-wc-docket-no-17-108>

https://www.fcc.gov/ecfs/filings

Submit a Filing

1
FILING

2
REVIEW

3
CONFIRMATION

Proceeding(s)	17-108 ✕
Name(s) of Filer(s)	*Required - Add Filer(s). Press ENTER key after each entry
Law Firm(s)	Add Lawfirm(s). Press ENTER key after each entry
Attorney/Author Name(s)	Add Author(s). Press ENTER key after each entry
Primary Contact Email	example@email.com

Note that the URL of this Express comment page does not allow any parameters that would direct the commenter to the correct docket.

If such a page had existed before the 2014 comment rush that took down ECFS or been fixed before the 2017 comment rush, ECFS would most likely not have been ground to a halt by Americans eager to participate in the FCC proceedings.

The FCC indicated in July that it intended to upgrade its comment system by implementing a CAPTCHA tool that submitters would have to solve before submitting a comment.²⁰

Given that even the most advanced CAPTCHAs are easily broken by determined adversaries²¹, this solution seems to be inadequate and not targeted to the actual threat.

Additionally, it's unclear whether the FCC intends to integrate a CAPTCHA with its API submission tool and if so, how it would do so.

Given that the vast majority of comments, including legitimate online campaigns, were filed with the FCC via its API, instituting a CAPTCHA that only works with the FCC's own submission page and removing the API submission process would likely have the effect of reducing real public participation, while not substantially curtailing bot submissions.

²⁰

<https://arstechnica.com/tech-policy/2018/07/ajit-pai-finally-gets-around-to-fighting-fraud-in-fcc-comment-system/>

²¹ <https://nakedsecurity.sophos.com/2017/11/01/now-anyone-can-fool-recaptcha/>

A better approach would be to send a confirmation email to an email address provided with a comment, asking the owner of that email to confirm or deny if they sent the comment. As email addresses are not required to file a comment, filers should be notified that if an email address is not provided, their comment will be marked as “no email address given.”

Comments could then be labeled as “confirmed,” “unconfirmed,” “denied,” “invalid email address,” or “no email address given.” This would aid researchers and policy makers looking to analyze the comments to triage likely fake comments.

Knowing what comments were denied by an email address’s account holder could also be helpful in investigations aimed at rooting out intentional fraud campaigns in a given proceeding. Additionally, information on what email addresses are supplied by fraud campaigns in one proceeding could be shared and used across the federal agencies to combat the growing trend of “comment stuffing.”²²

Additionally, to discourage automated submissions and confirmations from bot-controlled email address, the system could mark each comment with a count of the number of submissions from that email address. That way if an email address was associated with 500 comments, it could easily be filtered out of data analysis.

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<https://www.techdirt.com/articles/20181001/14155040759/fake-comments-are-plaguing-government-agencies-nobody-much-seems-to-care.shtml>

Methodology:

These reports build upon the impressive work of Jeff Kao, who did the initial work of collecting the FCC comments and then later grouping them into distinct campaigns. He also did the work of sampling the unique comments and manually classifying them.

His methodology and code are available to share, and he also kindly shared his dataset, which made this analysis possible.

This analysis took the 800,000+ unique comments and mapped them, where possible, to Congressional districts and states.

No filtering of any sort was done on the 800,000 unique comments. The overwhelmingly pro-net neutrality sentiment in the unique comments is not attributable to any work done by this report, and Jeff Kao's work does not show any attempt to alter the content of comments.

This report's matching of unique comments to Congressional district was done using the self-reported physical addresses provided by commenters submitting unique comments, and which were then matched to Congressional districts. It's important to note that not all unique comments include street addresses that were matchable to districts and some had no address given at all.

The initial mapping was done using the U.S. Census Bureau's lists of Congressional districts and the zip codes they represent. These can be downloaded individually from the Census bureau,²³ or downloaded in bulk from our collection of them.²⁴

Some zip codes are fully within a given Congressional district. All comments that reported being from zip codes that match one-to-one to a Congressional district were then assigned to that district. This simplified and speeded up the geo-location matching.

If a comment was from a zip code that spans multiple Congressional districts, the comment needed to be geolocated. To do so, we took all comments that were not matched by zip code

²³ https://www.census.gov/geo/maps-data/data/cd_state.html - Under "Congressional Districts by ZIP Code Tabulation Areas (ZCTAs)"

²⁴ <https://www.dropbox.com/s/gullg0hevg1eih4/StateZCTAs.zip?dl=0> These were downloaded individually and then uploaded in the summer of 2018.

and submitted them to the U.S. Census API²⁵, which matches an address to a Congressional district if there is enough information in the location data to do so.

Comments that lacked a physical address or had incomplete data are not included in the reports.

For privacy reasons, this report does not include all of the location or personal data submitted by commenters. Instead, the reports simply include the submitted name, city, state and zip code. Those who wish to verify a given comment can do so by searching the [ECFS comment system](#) under the docket number 17-108.

One large caveat: the reports for Pennsylvania do not correspond to the districts as redrawn in February 2018. This redistricting was not reflected in the U.S. Census Bureau's zip code to Congressional district files, nor in its API that maps addresses to Congressional districts. We hope be able to correctly match these unique comments to the new districts shortly.

UPDATE 10/24: This report was updated to account for the redistricting. To do so, all unique comments from Pennsylvania were checked for their updated district via Google's Civic API.²⁶ This resulted in 58 more unique comments being matched to Congressional districts, a difference likely due to the differing quality of matching of self-reported addresses to districts between the Google API and the Census Bureau's. The recalculation also shifted the number of comments per district, per Republican district and per Democratic district. Comparisons throughout the report were updated to reflect the new districts (even though the comments came when the older districts were in effect), and the spreadsheet with the data was also updated. The older reports for the Pennsylvania districts were replaced with the previous reports' urls pointing to the new reports.

²⁵ <https://www.census.gov/geo/maps-data/data/geocoder.html>
https://geocoding.geo.census.gov/geocoder/Geocoding_Services_API.pdf

Layers 54 and 55 yield the Congressional district.

An example query:

<https://geocoding.geo.census.gov/geocoder/geographies/address?street=421+Bryant+Street&city=San+Francisco&state=California&zip=94109&benchmark=4&vintage=4&layers=54,55>

²⁶ <https://developers.google.com/civic-information/>

Appendix A

Unique Comments to the FCC's 2017 Net Neutrality Repeal Proceeding (17-108) By Congressional District

You can download individual reports via the links below or download all of them in one .zip file (300MB) at <https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments.zip>.

Representative Name	State	District	Party	Unique Comment Count	Report URL
Don Young	AK	1	Republican	1945	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AK-1-public.pdf
Bradley Byrne	AL	1	Republican	584	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AL-1-public.pdf
Martha Roby	AL	2	Republican	459	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AL-2-public.pdf
Mike Rogers	AL	3	Republican	562	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AL-3-public.pdf
Robert Aderholt	AL	4	Republican	343	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AL-4-public.pdf
Mo Brooks	AL	5	Republican	1100	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AL-5-public.pdf
Gary Palmer	AL	6	Republican	893	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AL-6-public.pdf
Terri Sewell	AL	7	Democrat	430	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AL-7-public.pdf
Eric Crawford	AR	1	Republican	422	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AR-1-public.pdf
French Hill	AR	2	Republican	968	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AR-2-public.pdf
Steve Womack	AR	3	Republican	1217	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AR-3-public.pdf
Bruce Westerman	AR	4	Republican	335	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AR-4-public.pdf
Aumua Amata	AS	1	Republican	2	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AS-1-public.pdf

Tom O'Halleran	AZ	1	Democrat	1075	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AZ-1-public.pdf
Martha McSally	AZ	2	Republican	2254	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AZ-2-public.pdf
Raul Grijalva	AZ	3	Democrat	907	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AZ-3-public.pdf
Paul Gosar	AZ	4	Republican	949	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AZ-4-public.pdf
Andy Biggs	AZ	5	Republican	1618	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AZ-5-public.pdf
David Schweikert	AZ	6	Republican	2105	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AZ-6-public.pdf
Ruben Gallego	AZ	7	Democrat	989	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AZ-7-public.pdf
Trent Franks	AZ	8	Republican	1239	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AZ-8-public.pdf
Kyrsten Sinema	AZ	9	Democrat	2611	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/AZ-9-public.pdf
Doug LaMalfa	CA	1	Republican	1857	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-1-public.pdf
Jared Huffman	CA	2	Democrat	3889	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-2-public.pdf
John Garamendi	CA	3	Democrat	1685	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-3-public.pdf
Tom McClintock	CA	4	Republican	1739	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-4-public.pdf
Mike Thompson	CA	5	Democrat	2280	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-5-public.pdf
Doris Matsui	CA	6	Democrat	1819	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-6-public.pdf
Ami Bera	CA	7	Democrat	1726	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-7-public.pdf
Paul Cook	CA	8	Republican	907	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-8-public.pdf
Jerry McNerney	CA	9	Democrat	788	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-9-public.pdf
Jeff Denham	CA	10	Republican	867	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-10-public.pdf
Mark DeSaulnier	CA	11	Democrat	2691	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-11-public.pdf

Nancy Pelosi	CA	12	Democrat	8276	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-12-public.pdf
Barbara Lee	CA	13	Democrat	6182	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-13-public.pdf
Jackie Speier	CA	14	Democrat	3186	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-14-public.pdf
Eric Swalwell	CA	15	Democrat	1903	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-15-public.pdf
Jim Costa	CA	16	Democrat	519	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-16-public.pdf
Ro Khanna	CA	17	Democrat	2717	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-17-public.pdf
Anna Eshoo	CA	18	Democrat	4881	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-18-public.pdf
Zoe Lofgren	CA	19	Democrat	1996	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-19-public.pdf
Jimmy Panetta	CA	20	Democrat	2139	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-20-public.pdf
David Valadao	CA	21	Republican	249	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-21-public.pdf
Devin Nunes	CA	22	Republican	784	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-22-public.pdf
Kevin McCarthy	CA	23	Republican	835	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-23-public.pdf
Salud Carbajal	CA	24	Democrat	2803	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-24-public.pdf
Steve Knight	CA	25	Republican	1225	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-25-public.pdf
Julia Brownley	CA	26	Democrat	1874	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-26-public.pdf
Judy Chu	CA	27	Democrat	2090	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-27-public.pdf
Adam Schiff	CA	28	Democrat	4205	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-28-public.pdf
Tony Cárdenas	CA	29	Democrat	1337	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-29-public.pdf
Brad Sherman	CA	30	Democrat	3150	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-30-public.pdf
Pete Aguilar	CA	31	Democrat	829	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-31-public.pdf

Grace Napolitano	CA	32	Democrat	737	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-32-public.pdf
Ted Lieu	CA	33	Democrat	4166	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-33-public.pdf
Norma Torres	CA	35	Democrat	627	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-35-public.pdf
Raul Ruiz	CA	36	Democrat	898	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-36-public.pdf
Karen Bass	CA	37	Democrat	3318	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-37-public.pdf
Linda Sanchez	CA	38	Democrat	782	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-38-public.pdf
Edward Royce	CA	39	Republican	1365	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-39-public.pdf
Lucille Roybal-Allard	CA	40	Democrat	381	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-40-public.pdf
Mark Takano	CA	41	Democrat	778	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-41-public.pdf
Ken Calvert	CA	42	Republican	859	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-42-public.pdf
Maxine Waters	CA	43	Democrat	1081	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-43-public.pdf
Nanette Barragán	CA	44	Democrat	417	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-44-public.pdf
Mimi Walters	CA	45	Republican	2377	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-45-public.pdf
J. Correa	CA	46	Democrat	855	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-46-public.pdf
Alan Lowenthal	CA	47	Democrat	1770	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-47-public.pdf
Dana Rohrabacher	CA	48	Republican	2038	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-48-public.pdf
Darrell Issa	CA	49	Republican	2157	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-49-public.pdf
Duncan Hunter	CA	50	Republican	1323	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-50-public.pdf
Juan Vargas	CA	51	Democrat	577	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-51-public.pdf
Scott Peters	CA	52	Democrat	3358	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-52-public.pdf

Susan Davis	CA	53	Democrat	2457	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CA-53-public.pdf
Diana DeGette	CO	1	Democrat	4867	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CO-1-public.pdf
Jared Polis	CO	2	Democrat	5709	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CO-2-public.pdf
Scott Tipton	CO	3	Republican	1832	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CO-3-public.pdf
Ken Buck	CO	4	Republican	1787	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CO-4-public.pdf
Doug Lamborn	CO	5	Republican	2256	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CO-5-public.pdf
Mike Coffman	CO	6	Republican	2227	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CO-6-public.pdf
Ed Perlmutter	CO	7	Democrat	2635	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CO-7-public.pdf
John Larson	CT	1	Democrat	1268	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CT-1-public.pdf
Joe Courtney	CT	2	Democrat	1406	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CT-2-public.pdf
Rosa DeLauro	CT	3	Democrat	1388	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CT-3-public.pdf
James Himes	CT	4	Democrat	1572	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CT-4-public.pdf
Elizabeth Esty	CT	5	Democrat	1241	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/CT-5-public.pdf
Eleanor Norton	DC	1	Democrat	3	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/DC-1-public.pdf
Lisa Blunt Rochester	DE	1	Democrat	1797	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/DE-1-public.pdf
Matt Gaetz	FL	1	Republican	1165	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-1-public.pdf
Neal Dunn	FL	2	Republican	929	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-2-public.pdf
Ted Yoho	FL	3	Republican	1764	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-3-public.pdf
John Rutherford	FL	4	Republican	1673	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-4-public.pdf
Al Lawson	FL	5	Democrat	889	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-5-public.pdf

Ron DeSantis	FL	6	Republican	1175	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-6-public.pdf
Stephanie Murphy	FL	7	Democrat	2350	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-7-public.pdf
Bill Posey	FL	8	Republican	1536	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-8-public.pdf
Darren Soto	FL	9	Democrat	1004	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-9-public.pdf
Val Demings	FL	10	Democrat	1285	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-10-public.pdf
Daniel Webster	FL	11	Republican	783	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-11-public.pdf
Gus Bilirakis	FL	12	Republican	1380	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-12-public.pdf
Charlie Crist	FL	13	Democrat	1603	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-13-public.pdf
Kathy Castor	FL	14	Democrat	1495	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-14-public.pdf
Dennis Ross	FL	15	Republican	1047	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-15-public.pdf
Vern Buchanan	FL	16	Republican	1346	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-16-public.pdf
Thomas Rooney	FL	17	Republican	792	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-17-public.pdf
Brian Mast	FL	18	Republican	1115	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-18-public.pdf
Francis Rooney	FL	19	Republican	1139	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-19-public.pdf
Alcee Hastings	FL	20	Democrat	595	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-20-public.pdf
Lois Frankel	FL	21	Democrat	1196	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-21-public.pdf
Theodore Deutch	FL	22	Democrat	1568	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-22-public.pdf
Debbie Wasserman Schultz	FL	23	Democrat	1243	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-23-public.pdf
Frederica Wilson	FL	24	Democrat	644	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-24-public.pdf

Mario Diaz-Balart	FL	25	Republican	716	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-25-public.pdf
Carlos Curbelo	FL	26	Republican	1025	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-26-public.pdf
Ileana Ros-Lehtinen	FL	27	Republican	1417	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/FL-27-public.pdf
Buddy Carter	GA	1	Republican	958	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-1-public.pdf
Sanford Bishop	GA	2	Democrat	327	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-2-public.pdf
A. Ferguson	GA	3	Republican	718	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-3-public.pdf
Henry Johnson	GA	4	Democrat	993	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-4-public.pdf
John Lewis	GA	5	Democrat	2519	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-5-public.pdf
Karen Handel	GA	6	Republican	2340	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-6-public.pdf
Rob Woodall	GA	7	Republican	1207	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-7-public.pdf
Austin Scott	GA	8	Republican	492	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-8-public.pdf
Doug Collins	GA	9	Republican	663	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-9-public.pdf
Jody Hice	GA	10	Republican	998	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-10-public.pdf
Barry Loudermilk	GA	11	Republican	1434	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-11-public.pdf
Rick Allen	GA	12	Republican	616	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-12-public.pdf
David Scott	GA	13	Democrat	621	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-13-public.pdf
Tom Graves	GA	14	Republican	582	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GA-14-public.pdf
Madeleine Bordallo	GU	1	Democrat	1	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/GU-1-public.pdf
Colleen Hanabusa	HI	1	Democrat	1529	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/HI-1-public.pdf
Tulsi Gabbard	HI	2	Democrat	2087	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/HI-2-public.pdf

Rod Blum	IA	1	Republican	1230	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IA-1-public.pdf
David Loeb sack	IA	2	Democrat	1534	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IA-2-public.pdf
David Young	IA	3	Republican	1662	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IA-3-public.pdf
Steve King	IA	4	Republican	1002	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IA-4-public.pdf
Raul Labrador	ID	1	Republican	1678	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/ID-1-public.pdf
Michael Simpson	ID	2	Republican	1830	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/ID-2-public.pdf
Bobby Rush	IL	1	Democrat	946	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-1-public.pdf
Robin Kelly	IL	2	Democrat	529	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-2-public.pdf
Daniel Lipinski	IL	3	Democrat	959	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-3-public.pdf
Luis Gutierrez	IL	4	Democrat	1621	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-4-public.pdf
Mike Quigley	IL	5	Democrat	3399	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-5-public.pdf
Peter Roskam	IL	6	Republican	2046	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-6-public.pdf
Danny Davis	IL	7	Democrat	2369	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-7-public.pdf
Raja Krishnamoorthi	IL	8	Democrat	1370	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-8-public.pdf
Janice Schakowsky	IL	9	Democrat	3270	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-9-public.pdf
Bradley Schneider	IL	10	Democrat	1586	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-10-public.pdf
Bill Foster	IL	11	Democrat	1361	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-11-public.pdf
Mike Bost	IL	12	Republican	901	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-12-public.pdf
Rodney Davis	IL	13	Republican	1600	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-13-public.pdf
Randy Hultgren	IL	14	Republican	1596	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-14-public.pdf

John Shimkus	IL	15	Republican	545	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-15-public.pdf
Adam Kinzinger	IL	16	Republican	983	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-16-public.pdf
Cheri Bustos	IL	17	Democrat	814	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-17-public.pdf
Darin LaHood	IL	18	Republican	1148	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IL-18-public.pdf
Peter Visclosky	IN	1	Democrat	968	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IN-1-public.pdf
Jackie Walorski	IN	2	Republican	1005	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IN-2-public.pdf
Jim Banks	IN	3	Republican	979	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IN-3-public.pdf
Todd Rokita	IN	4	Republican	1206	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IN-4-public.pdf
Susan Brooks	IN	5	Republican	1677	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IN-5-public.pdf
Luke Messer	IN	6	Republican	833	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IN-6-public.pdf
André Carson	IN	7	Democrat	1292	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IN-7-public.pdf
Larry Bucshon	IN	8	Republican	845	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IN-8-public.pdf
Trey Hollingsworth	IN	9	Republican	1573	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/IN-9-public.pdf
Roger Marshall	KS	1	Republican	773	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/KS-1-public.pdf
Lynn Jenkins	KS	2	Republican	1326	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/KS-2-public.pdf
Kevin Yoder	KS	3	Republican	2136	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/KS-3-public.pdf
Ron Estes	KS	4	Republican	1132	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/KS-4-public.pdf
James Comer	KY	1	Republican	509	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/KY-1-public.pdf
Brett Guthrie	KY	2	Republican	722	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/KY-2-public.pdf
John Yarmuth	KY	3	Democrat	1562	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/KY-3-public.pdf

Thomas Massie	KY	4	Republican	1016	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/KY-4-public.pdf
Harold Rogers	KY	5	Republican	383	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/KY-5-public.pdf
Garland Barr	KY	6	Republican	1376	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/KY-6-public.pdf
Steve Scalise	LA	1	Republican	951	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/LA-1-public.pdf
Cedric Richmond	LA	2	Democrat	1066	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/LA-2-public.pdf
Clay Higgins	LA	3	Republican	598	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/LA-3-public.pdf
Mike Johnson	LA	4	Republican	492	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/LA-4-public.pdf
Ralph Abraham	LA	5	Republican	326	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/LA-5-public.pdf
Garret Graves	LA	6	Republican	887	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/LA-6-public.pdf
Richard Neal	MA	1	Democrat	1218	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MA-1-public.pdf
James McGovern	MA	2	Democrat	1916	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MA-2-public.pdf
Niki Tsongas	MA	3	Democrat	1856	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MA-3-public.pdf
Joseph Kennedy	MA	4	Democrat	2186	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MA-4-public.pdf
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Stephen Lynch	MA	8	Democrat	1916	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MA-8-public.pdf
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Andy Harris	MD	1	Republican	1133	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MD-1-public.pdf
C. Ruppersberger	MD	2	Democrat	1181	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MD-2-public.pdf

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Steny Hoyer	MD	5	Democrat	1470	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MD-5-public.pdf
John Delaney	MD	6	Democrat	1661	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MD-6-public.pdf
Elijah Cummings	MD	7	Democrat	1682	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MD-7-public.pdf
Jamie Raskin	MD	8	Democrat	2791	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MD-8-public.pdf
Chellie Pingree	ME	1	Democrat	1770	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/ME-1-public.pdf
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Justin Amash	MI	3	Republican	1562	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MI-3-public.pdf
John Moolenaar	MI	4	Republican	882	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MI-4-public.pdf
Daniel Kildee	MI	5	Democrat	839	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MI-5-public.pdf
Fred Upton	MI	6	Republican	1480	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MI-6-public.pdf
Tim Walberg	MI	7	Republican	1123	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MI-7-public.pdf
Mike Bishop	MI	8	Republican	2013	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MI-8-public.pdf
Sander Levin	MI	9	Democrat	1656	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MI-9-public.pdf
Paul Mitchell	MI	10	Republican	902	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MI-10-public.pdf
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Brenda Lawrence	MI	14	Democrat	975	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MI-14-public.pdf
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Erik Paulsen	MN	3	Republican	2224	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MN-3-public.pdf
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Keith Ellison	MN	5	Democrat	4392	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MN-5-public.pdf
Tom Emmer	MN	6	Republican	1097	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MN-6-public.pdf
Collin Peterson	MN	7	Democrat	776	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MN-7-public.pdf
Richard Nolan	MN	8	Democrat	974	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MN-8-public.pdf
Wm. Clay	MO	1	Democrat	1826	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MO-1-public.pdf
Ann Wagner	MO	2	Republican	1867	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MO-2-public.pdf
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Vicky Hartzler	MO	4	Republican	1105	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MO-4-public.pdf
Emanuel Cleaver	MO	5	Democrat	1643	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MO-5-public.pdf
Sam Graves	MO	6	Republican	1076	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MO-6-public.pdf
Billy Long	MO	7	Republican	1152	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MO-7-public.pdf
Jason Smith	MO	8	Republican	572	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MO-8-public.pdf
Gregorio Sablan	MP	1	Democrat	0	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MP-1-public.pdf
Trent Kelly	MS	1	Republican	422	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MS-1-public.pdf

Bennie Thompson	MS	2	Democrat	203	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MS-2-public.pdf
Gregg Harper	MS	3	Republican	436	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MS-3-public.pdf
Steven Palazzo	MS	4	Republican	533	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MS-4-public.pdf
Greg Gianforte	MT	1	Republican	2753	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/MT-1-public.pdf
George Butterfield	NC	1	Democrat	1282	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-1-public.pdf
George Holding	NC	2	Republican	1341	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-2-public.pdf
Walter Jones	NC	3	Republican	731	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-3-public.pdf
David Price	NC	4	Democrat	3402	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-4-public.pdf
Virginia Foxx	NC	5	Republican	990	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-5-public.pdf
Mark Walker	NC	6	Republican	808	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-6-public.pdf
David Rouzer	NC	7	Republican	876	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-7-public.pdf
Richard Hudson	NC	8	Republican	703	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-8-public.pdf
Robert Pittenger	NC	9	Republican	854	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-9-public.pdf
Patrick McHenry	NC	10	Republican	1162	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-10-public.pdf
Mark Meadows	NC	11	Republican	1299	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-11-public.pdf
Alma Adams	NC	12	Democrat	1527	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-12-public.pdf
Ted Budd	NC	13	Republican	950	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NC-13-public.pdf
Kevin Cramer	ND	1	Republican	1173	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/ND-1-public.pdf
Jeff Fortenberry	NE	1	Republican	1326	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NE-1-public.pdf
Don Bacon	NE	2	Republican	1807	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NE-2-public.pdf

Adrian Smith	NE	3	Republican	481	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NE-3-public.pdf
Carol Shea-Porter	NH	1	Democrat	1605	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NH-1-public.pdf
Ann Kuster	NH	2	Democrat	1591	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NH-2-public.pdf
Donald Norcross	NJ	1	Democrat	1159	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-1-public.pdf
Frank LoBiondo	NJ	2	Republican	803	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-2-public.pdf
Tom MacArthur	NJ	3	Republican	1115	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-3-public.pdf
Christopher Smith	NJ	4	Republican	1062	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-4-public.pdf
Josh Gottheimer	NJ	5	Democrat	1417	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-5-public.pdf
Frank Pallone	NJ	6	Democrat	1192	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-6-public.pdf
Leonard Lance	NJ	7	Republican	1870	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-7-public.pdf
Albio Sires	NJ	8	Democrat	1323	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-8-public.pdf
Bill Pascrell	NJ	9	Democrat	903	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-9-public.pdf
Donald Payne	NJ	10	Democrat	936	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-10-public.pdf
Rodney Frelinghuysen	NJ	11	Republican	1677	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-11-public.pdf
Bonnie Watson Coleman	NJ	12	Democrat	1486	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NJ-12-public.pdf
Michelle Lujan Grisham	NM	1	Democrat	2336	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NM-1-public.pdf
Stevan Pearce	NM	2	Republican	969	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NM-2-public.pdf
Ben Luján	NM	3	Democrat	1702	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NM-3-public.pdf
Dina Titus	NV	1	Democrat	880	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NV-1-public.pdf
Mark Amodei	NV	2	Republican	1734	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NV-2-public.pdf

Jacky Rosen	NV	3	Democrat	1690	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NV-3-public.pdf
Ruben Kihuen	NV	4	Democrat	986	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NV-4-public.pdf
Lee Zeldin	NY	1	Republican	1443	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-1-public.pdf
Peter King	NY	2	Republican	1043	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-2-public.pdf
Thomas Suozzi	NY	3	Democrat	1520	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-3-public.pdf
Kathleen Rice	NY	4	Democrat	1190	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-4-public.pdf
Gregory Meeks	NY	5	Democrat	446	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-5-public.pdf
Grace Meng	NY	6	Democrat	875	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-6-public.pdf
Nydia Velazquez	NY	7	Democrat	2511	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-7-public.pdf
Hakeem Jeffries	NY	8	Democrat	1475	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-8-public.pdf
Yvette Clarke	NY	9	Democrat	2194	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-9-public.pdf
Jerrold Nadler	NY	10	Democrat	3391	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-10-public.pdf
Daniel Donovan	NY	11	Republican	1001	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-11-public.pdf
Carolyn Maloney	NY	12	Democrat	4865	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-12-public.pdf
Adriano Espaillat	NY	13	Democrat	2023	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-13-public.pdf
Joseph Crowley	NY	14	Democrat	1104	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-14-public.pdf
José Serrano	NY	15	Democrat	373	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-15-public.pdf
Eliot Engel	NY	16	Democrat	1299	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-16-public.pdf
Nita Lowey	NY	17	Democrat	1775	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-17-public.pdf
Sean Maloney	NY	18	Democrat	1494	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-18-public.pdf

John Faso	NY	19	Republican	1865	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-19-public.pdf
Paul Tonko	NY	20	Democrat	2018	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-20-public.pdf
Elise Stefanik	NY	21	Republican	1104	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-21-public.pdf
Claudia Tenney	NY	22	Republican	1231	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-22-public.pdf
Tom Reed	NY	23	Republican	1613	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-23-public.pdf
John Katko	NY	24	Republican	1465	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-24-public.pdf
Louise Slaughter	NY	25	Democrat	2039	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-25-public.pdf
Brian Higgins	NY	26	Democrat	1452	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-26-public.pdf
Chris Collins	NY	27	Republican	1224	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/NY-27-public.pdf
Steve Chabot	OH	1	Republican	1436	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-1-public.pdf
Brad Wenstrup	OH	2	Republican	1376	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-2-public.pdf
Joyce Beatty	OH	3	Democrat	1577	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-3-public.pdf
Jim Jordan	OH	4	Republican	681	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-4-public.pdf
Robert Latta	OH	5	Republican	929	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-5-public.pdf
Bill Johnson	OH	6	Republican	479	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-6-public.pdf
Bob Gibbs	OH	7	Republican	711	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-7-public.pdf
Warren Davidson	OH	8	Republican	1000	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-8-public.pdf
Marcy Kaptur	OH	9	Democrat	1007	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-9-public.pdf
Michael Turner	OH	10	Republican	1425	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-10-public.pdf
Marcia Fudge	OH	11	Democrat	1327	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-11-public.pdf

Patrick Tiberi	OH	12	Republican	1666	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-12-public.pdf
Tim Ryan	OH	13	Democrat	974	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-13-public.pdf
David Joyce	OH	14	Republican	1276	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-14-public.pdf
Steve Stivers	OH	15	Republican	1420	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-15-public.pdf
James Renacci	OH	16	Republican	1185	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OH-16-public.pdf
Jim Bridenstine	OK	1	Republican	1335	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OK-1-public.pdf
Markwayne Mullin	OK	2	Republican	446	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OK-2-public.pdf
Frank Lucas	OK	3	Republican	651	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OK-3-public.pdf
Tom Cole	OK	4	Republican	1097	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OK-4-public.pdf
Steve Russell	OK	5	Republican	1214	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OK-5-public.pdf
Suzanne Bonamici	OR	1	Democrat	3969	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OR-1-public.pdf
Greg Walden	OR	2	Republican	2032	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OR-2-public.pdf
Earl Blumenauer	OR	3	Democrat	6734	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OR-3-public.pdf
Peter DeFazio	OR	4	Democrat	3691	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OR-4-public.pdf
Kurt Schrader	OR	5	Democrat	2594	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/OR-5-public.pdf
Robert Brady	PA	1	Democrat	1765	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-1-public.pdf
Dwight Evans	PA	2	Democrat	2441	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-2-public.pdf
Mike Kelly	PA	3	Republican	853	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-3-public.pdf
Scott Perry	PA	4	Republican	1162	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-4-public.pdf
Glenn Thompson	PA	5	Republican	1133	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-5-public.pdf

Ryan Costello	PA	6	Republican	1868	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-6-public.pdf
Patrick Meehan	PA	7	Republican	1712	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-7-public.pdf
Brian Fitzpatrick	PA	8	Republican	1729	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-8-public.pdf
Bill Shuster	PA	9	Republican	630	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-9-public.pdf
Tom Marino	PA	10	Republican	821	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-10-public.pdf
Lou Barletta	PA	11	Republican	910	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-11-public.pdf
Keith Rothfus	PA	12	Republican	1160	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-12-public.pdf
Brendan Boyle	PA	13	Democrat	1525	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-13-public.pdf
Michael Doyle	PA	14	Democrat	2431	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-14-public.pdf
Charles Dent	PA	15	Republican	1203	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-15-public.pdf
Lloyd Smucker	PA	16	Republican	1125	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-16-public.pdf
Matthew Cartwright	PA	17	Democrat	753	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-17-public.pdf
Tim Murphy	PA	18	Republican	1233	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PA-18-public.pdf
Jennifer Gonzalez-Colon	PR	1	Republican	3	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/PR-1-public.pdf
David Cicilline	RI	1	Democrat	1004	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/RI-1-public.pdf
James Langevin	RI	2	Democrat	881	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/RI-2-public.pdf
Marshall Sanford	SC	1	Republican	1251	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/SC-1-public.pdf
Joe Wilson	SC	2	Republican	865	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/SC-2-public.pdf
Jeff Duncan	SC	3	Republican	631	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/SC-3-public.pdf
Trey Gowdy	SC	4	Republican	978	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/SC-4-public.pdf

Ralph Norman	SC	5	Republican	619	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/SC-5-public.pdf
James Clyburn	SC	6	Democrat	501	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/SC-6-public.pdf
Tom Rice	SC	7	Republican	500	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/SC-7-public.pdf
Kristi Noem	SD	1	Republican	1186	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/SD-1-public.pdf
David Roe	TN	1	Republican	766	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TN-1-public.pdf
John Duncan	TN	2	Republican	1348	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TN-2-public.pdf
Charles Fleischmann	TN	3	Republican	1038	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TN-3-public.pdf
Scott DesJarlais	TN	4	Republican	908	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TN-4-public.pdf
Jim Cooper	TN	5	Democrat	1950	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TN-5-public.pdf
Diane Black	TN	6	Republican	742	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TN-6-public.pdf
Marsha Blackburn	TN	7	Republican	926	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TN-7-public.pdf
David Kustoff	TN	8	Republican	674	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TN-8-public.pdf
Steve Cohen	TN	9	Democrat	700	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TN-9-public.pdf
Louie Gohmert	TX	1	Republican	530	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-1-public.pdf
Ted Poe	TX	2	Republican	1581	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-2-public.pdf
Sam Johnson	TX	3	Republican	2120	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-3-public.pdf
John Ratcliffe	TX	4	Republican	646	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-4-public.pdf
Jeb Hensarling	TX	5	Republican	681	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-5-public.pdf
Joe Barton	TX	6	Republican	1014	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-6-public.pdf
John Culberson	TX	7	Republican	1522	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-7-public.pdf

Kevin Brady	TX	8	Republican	1065	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-8-public.pdf
Al Green	TX	9	Democrat	641	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-9-public.pdf
Michael McCaul	TX	10	Republican	2229	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-10-public.pdf
K. Conaway	TX	11	Republican	530	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-11-public.pdf
Kay Granger	TX	12	Republican	1278	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-12-public.pdf
Mac Thornberry	TX	13	Republican	585	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-13-public.pdf
Randy Weber	TX	14	Republican	763	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-14-public.pdf
Vicente Gonzalez	TX	15	Democrat	438	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-15-public.pdf
Beto O'Rourke	TX	16	Democrat	702	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-16-public.pdf
Bill Flores	TX	17	Republican	1739	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-17-public.pdf
Sheila Jackson Lee	TX	18	Democrat	948	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-18-public.pdf
Jodey Arrington	TX	19	Republican	686	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-19-public.pdf
Joaquin Castro	TX	20	Democrat	960	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-20-public.pdf
Lamar Smith	TX	21	Republican	2601	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-21-public.pdf
Pete Olson	TX	22	Republican	1266	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-22-public.pdf
Will Hurd	TX	23	Republican	634	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-23-public.pdf
Kenny Marchant	TX	24	Republican	1898	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-24-public.pdf
Roger Williams	TX	25	Republican	2222	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-25-public.pdf
Michael Burgess	TX	26	Republican	1910	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-26-public.pdf
Blake Farenthold	TX	27	Republican	551	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-27-public.pdf

Henry Cuellar	TX	28	Democrat	470	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-28-public.pdf
Gene Green	TX	29	Democrat	437	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-29-public.pdf
Eddie Johnson	TX	30	Democrat	690	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-30-public.pdf
John Carter	TX	31	Republican	1879	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-31-public.pdf
Pete Sessions	TX	32	Republican	1838	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-32-public.pdf
Marc Veasey	TX	33	Democrat	399	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-33-public.pdf
Filemon Vela	TX	34	Democrat	309	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-34-public.pdf
Lloyd Doggett	TX	35	Democrat	1418	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-35-public.pdf
Brian Babin	TX	36	Republican	669	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/TX-36-public.pdf
Rob Bishop	UT	1	Republican	1697	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/UT-1-public.pdf
Chris Stewart	UT	2	Republican	2453	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/UT-2-public.pdf
Jason Chaffetz	UT	3	Republican	2345	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/UT-3-public.pdf
Mia Love	UT	4	Republican	1921	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/UT-4-public.pdf
Robert Wittman	VA	1	Republican	1378	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VA-1-public.pdf
Scott Taylor	VA	2	Republican	1361	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VA-2-public.pdf
Robert Scott	VA	3	Democrat	973	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VA-3-public.pdf
A. McEachin	VA	4	Democrat	1372	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VA-4-public.pdf
Thomas Garrett	VA	5	Republican	1394	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VA-5-public.pdf
Bob Goodlatte	VA	6	Republican	1129	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VA-6-public.pdf
David Brat	VA	7	Republican	1447	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VA-7-public.pdf

Donald Beyer	VA	8	Democrat	3576	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VA-8-public.pdf
H. Griffith	VA	9	Republican	994	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VA-9-public.pdf
Barbara Comstock	VA	10	Republican	2263	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VA-10-public.pdf
Gerald Connolly	VA	11	Democrat	2391	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VA-11-public.pdf
Stacey Plaskett	VI	1	Democrat	0	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VI-1-public.pdf
Peter Welch	VT	1	Democrat	2971	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/VT-1-public.pdf
Suzan DelBene	WA	1	Democrat	3556	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WA-1-public.pdf
Rick Larsen	WA	2	Democrat	3202	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WA-2-public.pdf
Jaime Herrera Beutler	WA	3	Republican	2105	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WA-3-public.pdf
Dan Newhouse	WA	4	Republican	1000	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WA-4-public.pdf
Cathy McMorris Rodgers	WA	5	Republican	2021	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WA-5-public.pdf
Derek Kilmer	WA	6	Democrat	2733	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WA-6-public.pdf
Pramila Jayapal	WA	7	Democrat	9308	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WA-7-public.pdf
David Reichert	WA	8	Republican	2023	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WA-8-public.pdf
Adam Smith	WA	9	Democrat	3669	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WA-9-public.pdf
Denny Heck	WA	10	Democrat	2039	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WA-10-public.pdf
Paul Ryan	WI	1	Republican	1074	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WI-1-public.pdf
Mark Pocan	WI	2	Democrat	3705	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WI-2-public.pdf
Ron Kind	WI	3	Democrat	1283	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WI-3-public.pdf
Gwen Moore	WI	4	Democrat	1670	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WI-4-public.pdf

F. Sensenbrenner	WI	5	Republican	1257	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WI-5-public.pdf
Glenn Grothman	WI	6	Republican	982	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WI-6-public.pdf
Sean Duffy	WI	7	Republican	845	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WI-7-public.pdf
Mike Gallagher	WI	8	Republican	990	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WI-8-public.pdf
David McKinley	WV	1	Republican	664	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WV-1-public.pdf
Alex Mooney	WV	2	Republican	612	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WV-2-public.pdf
Evan Jenkins	WV	3	Republican	398	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WV-3-public.pdf
Liz Cheney	WY	1	Republican	990	https://cis-static.law.stanford.edu/downloads/2017-FCC-Comments/WY-1-public.pdf

Appendix B

Unique Comments to the FCC's 2017 Net Neutrality Repeal Proceeding (17-108) By State

You can download individual state-level reports via the links below or download all of them in one .zip file (257MB) at

<https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments.zip>.

State	Report URL
Alaska	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/AK-public.pdf
Alabama	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/AL-public.pdf
Arkansas	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/AR-public.pdf
Arizona	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/AZ-public.pdf
California	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/CA-public.pdf
Colorado	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/CO-public.pdf
Connecticut	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/CT-public.pdf
Delaware	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/DE-public.pdf
Florida	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/FL-public.pdf
Georgia	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/GA-public.pdf
Hawaii	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/HI-public.pdf
Iowa	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/IA-public.pdf
Idaho	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/ID-public.pdf
Illinois	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/IL-public.pdf
Indiana	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/IN-public.pdf
Kansas	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/KS-public.pdf
Kentucky	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/KY-public.pdf
Louisiana	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/LA-public.pdf
Massachusetts	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/MA-public.pdf
Maryland	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/MD-public.pdf
Maine	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/ME-public.pdf
Michigan	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/MI-public.pdf
Minnesota	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/MN-public.pdf

Missouri	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/MO-public.pdf
Mississippi	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/MS-public.pdf
Montana	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/MT-public.pdf
North Carolina	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/NC-public.pdf
North Dakota	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/ND-public.pdf
Nebraska	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/NE-public.pdf
New Hampshire	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/NH-public.pdf
New Jersey	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/NJ-public.pdf
New Mexico	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/NM-public.pdf
Nevada	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/NV-public.pdf
New York	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/NY-public.pdf
Ohio	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/OH-public.pdf
Oklahoma	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/OK-public.pdf
Oregon	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/OR-public.pdf
Pennsylvania	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/PA-public.pdf
Rhode Island	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/RI-public.pdf
South Carolina	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/SC-public.pdf
South Dakota	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/SD-public.pdf
Tennessee	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/TN-public.pdf
Texas	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/TX-public.pdf
Utah	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/UT-public.pdf
Virginia	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/VA-public.pdf
Vermont	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/VT-public.pdf
Washington	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/WA-public.pdf
Wisconsin	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/WI-public.pdf
West Virginia	https://cis-static.law.stanford.edu/downloads/2017-FCC-UniqueComments/WV-public.pdf

About the Author

Ryan Singel is a media and strategy fellow at Stanford Law School's Center for Internet and Society. He's also the founder and CEO of Contextly, a recommendation and engagement platform for publishers. Prior to Contextly, Singel covered tech policy for ten years as an editor and writer at Wired.

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