

Before the
Federal Communications Commission
Washington, D.C. 20554

In the Matter of
Assessment and Collection of Regulatory Fees for
Fiscal Year 2020
MD Docket No. 20-105

REPORT AND ORDER AND FURTHER NOTICE OF PROPOSED RULEMAKING

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TABLE OF CONTENTS

I. INTRODUCTION 1
II. BACKGROUND 2
III. REPORT AND ORDER 5
A. Allocating FTEs 6
B. Direct Broadcast Satellite Regulatory Fees 12
C. Television Broadcaster Regulatory Fees 18
D. Radio Broadcaster Regulatory Fees 24
E. Toll Free Numbering Regulatory Fees 28
F. Market Access Space Station Regulatory Fees 30
G. Non-Geostationary Orbit Space Station Regulatory Fees 48
H. International Bearer Circuit Regulatory Fees 53
1. Using Capacity to Assess IBC Regulatory Fees 56
2. Division of IBC Regulatory Fees 61
3. IBC Regulatory Fee Tiers 64
4. Submarine Cable IBC Regulatory Fees 68
I. Flexibility for Regulatory Payors Given the COVID-19 Pandemic 76
IV. FURTHER NOTICE OF PROPOSED RULEMAKING 88
V. PROCEDURAL MATTERS 94
VI. ORDERING CLAUSES 113
APPENDIX A—LIST OF COMMENTERS
APPENDIX B—CALCULATION OF FY 2020 REVENUE REQUIREMENTS AND PRO-RATA FEES
APPENDIX C—FY 2020 REGULATORY FEES
APPENDIX D—SOURCES OF PAYMENT UNIT ESTIMATES FOR FY 2020
APPENDIX E—FACTORS, MEASUREMENTS, AND CALCULATIONS THAT DETERMINE
SIGNAL CONTOURS AND ASSOCIATED POPULATION COVERAGES
APPENDIX F—SATELLITE CHARTS
APPENDIX G—FY 2020 FULL-SERVICE BROADCAST TELEVISION STATIONS, BY CALL SIGN
APPENDIX H—FY 2019 REGULATORY FEES
APPENDIX I—FINAL REGULATORY FLEXIBILITY ANALYSIS
APPENDIX J—INITIAL REGULATORY FLEXIBILITY ANALYSIS
APPENDIX K—RULE CHANGES

I. INTRODUCTION

1. Each year, the Commission must adopt a new schedule of regulatory fees for regulatory payors, i.e., those entities required to fund the Commission's activities. In this Report and Order, we adopt a schedule to collect the \$339,000,000 in congressionally required regulatory fees for fiscal year (FY) 2020.¹ The regulatory fees for all payors are due in September 2020. In the attached Further Notice of Proposed Rulemaking, we seek comment on regulatory fee subcategories for FY 2021, for nongeostationary orbit (NGSO) satellites, as proposed by several commenters.

II. BACKGROUND

2. The Commission is required by Congress to assess regulatory fees each year in an amount that can reasonably be expected to equal the amount of its appropriation.² Regulatory fees recover direct costs, such as salary and expenses; indirect costs, such as overhead functions; and support costs, such as rent, utilities, and equipment.³ Regulatory fees also cover the costs incurred in regulating entities that are statutorily exempt from paying regulatory fees (i.e., governmental and nonprofit entities, amateur radio operators, and noncommercial radio and television stations),⁴ de minimis entities,⁵ and entities whose regulatory fees are waived.⁶

3. The Commission's methodology for assessing regulatory fees must "reflect the full-time equivalent number of employees within the bureaus and offices of the Commission, adjusted to take into account factors that are reasonably related to the benefits provided to the payor of the fee by the Commission's activities."⁷ Since 2012, the Commission has assessed the allocation of full-time equivalents (FTEs)⁸ by first determining the number of FTEs in each core bureau that carries out licensing activities (i.e., the Wireless Telecommunications Bureau, Media Bureau, Wireline Competition Bureau, and International Bureau) and then attributing all other FTEs to payor categories based on these core FTE allocations.⁹

4. Since 2013, the Commission has adopted numerous reforms to the regulatory fee schedule.¹⁰ Earlier this year, in the *2020 Regulatory Fee Reform Order*, we adopted several reforms regarding non-U.S. licensed space stations with U.S. market access grants, the apportionment of FTEs within the International Bureau for international bearer circuits and satellite issues, the apportionment of

¹ Consolidated Appropriations Act, 2020, Pub. L. No. 116-93 (appropriating \$339,000,000 to the Commission for salaries and expenses and directing the Commission to assess and collect the same amount in offsetting collections) (FY 2020 Appropriation).

² 47 U.S.C. § 159(a), (b); FY 2020 Appropriation.

³ *Assessment and Collection of Regulatory Fees for Fiscal Year 2004*, Report and Order, 19 FCC Rcd 11662, 11666, para. 11 (2004) (*FY 2004 Report and Order*).

⁴ 47 U.S.C. § 159(e)(1).

⁵ 47 U.S.C. § 159(e)(2).

⁶ 47 CFR § 1.1166.

⁷ 47 U.S.C. § 159(d).

⁸ One FTE, a "Full Time Equivalent" or "Full Time Employee," is a unit of measure equal to the work performed annually by a full time person (working a 40-hour workweek for a full year) assigned to the particular job, and subject to agency personnel staffing limitations established by the U.S. Office of Management and Budget.

⁹ *Procedures for Assessment and Collection of Regulatory Fees*, Notice of Proposed Rulemaking, 27 FCC Rcd 8458, 8460, para. 5 & n.5 (2012) (*FY 2012 NPRM*).

¹⁰ For a summary of the regulatory fee reforms, see *Assessment and Collection of Regulatory Fees for Fiscal Year 2019*, Report and Order and Further Notice of Proposed Rulemaking, 34 FCC Rcd 8189, 8191, para. 4 (2019) (*FY 2019 Report and Order*).

FTEs within the Satellite Division of the International Bureau for geostationary orbit (GSO) and NGSO space station regulatory fee, and we adopted a limitation on population counts for certain VHF television broadcast stations.¹¹ In the accompanying *FY 2020 NPRM*, we sought comment on a proposed fee schedule and also on certain issues for International Bureau and Media Bureau regulatees.¹² Specifically, we sought comment on a schedule of proposed regulatory fees as well as certain issues: adjusting the allocation of international bearer circuit (IBC) fees between submarine cable and terrestrial and satellite IBCs from 87.6%-12.4% to 95%-5%; combining the submarine cable regulatory fee tiers with new tiers for terrestrial and satellite IBCs in a unified tier structure; basing full-power broadcast television fees on the population covered by the station's contour; and continuing to increase the direct broadcast satellite (DBS) regulatory fees by 12 cents, to 72 cents, per subscriber, per year.¹³ In addition, we sought comment on economic effects due to the COVID-19 pandemic on regulatory fee payors.¹⁴

III. REPORT AND ORDER

5. Pursuant to section 9 of the Communications Act of 1934, as amended (Communications Act or Act), in this Report and Order we adopt the regulatory fee schedule proposed in the *FY 2020 NPRM* for FY 2020, as modified herein, to collect \$339,000,000 in regulatory fees as required by Congress.¹⁵

A. Allocating FTEs

6. In the *FY 2020 NPRM*, the Commission proposed that non-auctions funded FTEs will be classified as direct only if in one of the four core bureaus, i.e., in the Wireline Competition Bureau, the Wireless Telecommunications Bureau, the Media Bureau, or the International Bureau.¹⁶ The indirect FTEs are from the following bureaus and offices: Enforcement Bureau, Consumer and Governmental Affairs Bureau, Public Safety and Homeland Security Bureau, Chairman and Commissioners' offices, Office of the Managing Director, Office of General Counsel, Office of the Inspector General, Office of Communications Business Opportunities, Office of Engineering and Technology, Office of Legislative Affairs, Office of Workplace Diversity, Office of Media Relations, Office of Economics and Analytics, and Office of Administrative Law Judges, along with some employees in the Wireline Competition Bureau and the International Bureau that the Commission previously classified as indirect.¹⁷

¹¹ *Assessment and Collection of Regulatory Fees for Fiscal Year 2020*, Report and Order and Notice of Proposed Rulemaking, 35 FCC Rcd 4976, 4978-4997, paras. 6-52 (2020) (*2020 Regulatory Fee Reform Order and FY 2020 NPRM*), pet. for review pending, *Telesat Canada, Eutelsat S.A., Kineis, Hiber, Inc., and Immarsat Group Holdings Ltd. v FCC & USA*, No. 20-1234 (D.C. Cir.) (Telesat Petition for Review) (Petition for Review filed on July 2, 2020). In the Telesat Petition for Review, petitioners challenge the FCC's decision to assess regulatory fees on operators of non-U.S. licensed space stations granted access to the market in the United States under the space station fee categories.

¹² *FY 2020 NPRM*, 35 FCC Rcd at 4997-5005, paras. 53-76.

¹³ *Id.*

¹⁴ The list of commenters is in Appendix A.

¹⁵ *FY 2020 NPRM*, 35 FCC Rcd at 5015, Appendix C.

¹⁶ *Id.* at 4998, paras. 56-58.

¹⁷ In 2013, the Commission allocated all FTEs except for 28 in the International Bureau as indirect. *Assessment and Collection of Regulatory Fees for Fiscal Year 2013*, Report and Order, 28 FCC Rcd 12351, 12355-356, para. 14 (2013) (*FY 2013 Report and Order*). Subsequently, the Commission allocated an additional four FTEs, working on market access requests for non-U.S. licensed space stations, as indirect, *Assessment and Collection of Regulatory Fees for Fiscal Year 2015*, Report and Order and Further Notice of Proposed Rulemaking, 30 FCC Rcd 10268, 10278, para. 24 (2015) (*FY 2015 Report and Order*); however, those have since been reclassified as direct. In 2017, the Commission allocated 38 FTEs in the Wireline Competition Bureau who work on non-high cost programs of the Universal Service Fund as indirect. *Assessment and Collection of Regulatory Fees for Fiscal Year 2017*, Report and

(continued....)

7. We will continue to apportion regulatory fees across fee categories based on the number of direct FTEs in each core bureau and the proportionate number of indirect FTEs and to take into account factors that are reasonably related to the payor's benefits.¹⁸ As a general matter, we expect that the work of the FTEs in the four core bureaus will remain focused on the industry segment regulated by each of those bureaus. The first step in this process is to allocate appropriated amounts to be recovered proportionally based on the number of direct FTEs within each core bureau (with indirect FTEs allocated in proportion to the direct FTEs).¹⁹ Those proportions are then subdivided within each core bureau into fee categories among the regulatees served by the core bureau. Finally, within each fee category, the amount to be collected is divided by a unit that allocates the regulatee's proportionate share based on an objective measure, such as subscribers or revenue.

8. In sum, there were 311 direct FTEs for FY 2020, distributed among the core bureaus as follows: International Bureau (28), Wireless Telecommunications Bureau (73), Wireline Competition Bureau (94), and the Media Bureau (116). This results in 9.00% of the FTE allocation for International Bureau regulatees; 23.47% of the FTE allocation for Wireless Telecommunications Bureau regulatees; 30.23% of the FTE allocation for Wireline Competition Bureau regulatees; and 37.30% of FTE allocation for Media Bureau regulatees. There are 911 indirect FTEs that are allocated proportionally to the 311 direct FTEs: Enforcement Bureau (181), Consumer and Governmental Affairs Bureau (113), Public Safety and Homeland Security Bureau (89), part of the International Bureau (56), part of the Wireline Competition Bureau (38), Chairman and Commissioners' offices (23), Office of the Managing Director (132), Office of General Counsel (70), Office of the Inspector General (45), Office of Communications Business Opportunities (8), Office of Engineering and Technology (72), Office of Legislative Affairs (8), Office of Workforce Diversity (6), Office of Media Relations (14), Office of Economics and Analytics (53), and Office of Administrative Law Judges (3). Allocating these indirect FTEs based on the direct FTE allocations yields an additional 82.0 FTEs attributable to International Bureau regulatees, 213.8 FTEs attributable to Wireless Telecommunications Bureau regulatees, 275.4 FTEs attributable to Wireline Competition Bureau regulatees, and 339.8 FTEs attributable to Media Bureau regulatees.

9. As in prior years, broadcasters take issue with the Commission's practice of allocating costs associated with indirect FTEs in proportion to each core bureau's direct FTEs. Broadcasters suggest that the methodology should instead consider whether the functions of specific indirect FTEs benefit specific regulatory fee payors.²⁰ We affirm the findings in our FY 2019 regulatory fee proceeding, where we explained in detail our existing methodology for assessing fees, noted the changes in the statute, and sought comment on what changes to our regulatory fee methodology, if any, were necessary to implement

Order and Further Notice of Proposed Rulemaking, 32 FCC Rcd 7057, 7061-64, paras. 10-15 (2017) (*FY 2017 Report and Order*).

¹⁸ The phrase core bureaus was first adopted in the *FY 2012 NPRM* where the Commission explained that under (prior) section 9(b)(1)(A), the Commission was instructed to calculate the regulatory fees by determining the FTEs performing the activities enumerated in section 9(a)(1) within the Private Radio Bureau, Mass Media Bureau, and Common Carrier Bureau, and other offices of the Commission, and those bureaus had subsequently been renamed as the Wireless Telecommunications Bureau, Media Bureau, and Wireline Competition Bureau, and a new International Bureau had been formed. *FY 2012 NPRM*, 27 FCC Rcd at 8460, para. 5 & n.5. The Commission explained that "[f]or simplicity and ease of reference, in this Notice we will refer to these four bureaus as the 'core' bureaus or the 'core licensing' bureaus." *Id.*

¹⁹ The Commission observed in the *FY 2013 Report and Order* that "the high percentage of the indirect FTEs is indicative of the fact that many Commission activities and costs are not limited to a particular fee category and instead benefit the Commission as a whole." See *FY 2013 Report and Order*, 28 FCC Rcd at 12357, para. 17.

²⁰ NAB Comments at 4-6 and Reply at 2-5; Letter from Rick Kaplan, General Counsel and Executive Vice President, Legal and Regulatory Affairs, National Association of Broadcasters, to Marlene H. Dortch, Secretary, Federal Communications Commission (Aug. 14, 2020) (NAB Ex Parte) at 2-3; State Broadcaster Comments at 6-18.

the RAY BAUM'S Act amendments to our regulatory fee authority.²¹ After review of the comments received, we determined in the *FY 2019 Report and Order* that because the new section 9 closely aligned to how the Commission assessed and collected fees under the prior section 9, we would hew closely to the existing methodology.²² In particular, we expressly rejected any suggestion that the Commission should abandon the step in our process whereby we designate FTEs as either direct or indirect and allocate indirect FTEs in proportion to the direct FTEs in each of the core bureaus.²³ As the *FY 2019 Report and Order* stated, “we must allocate indirect FTEs among regulatees somehow (per Congress’s direction), and relying on the allocation of direct FTEs gives us an objective, easily administrable measure to do just that. [The broadcasters do not] identify an objective, easily administrable alternative.... We have long relied on direct FTE allocations because the Commission has found those allocations because the Commission has found those allocations best reflect the ‘benefits provided to the payor of the fee by the Commission’s activities.’”²⁴

10. We affirm those conclusions here. As we stated in 2019, direct FTE allocations best reflect “the benefits provided to the payor” – in the case of broadcast licensees, the work Media Bureau FTEs do to grant licenses and oversee and regulate their operation. As the Commission explained in both the *FY 2015 Report and Order*²⁵ and in the *FY 2019 Report and Order*,²⁶ FTEs work on a wide range of issues and it is difficult to attribute their work to a specific category. Moreover, the wide variety of issues handled in non-core bureaus may also include services that are not specifically correlated with one core bureau, let alone one category of regulatees. In addition, most Commission attorneys, engineers, analysts, and other staff work on a variety of issues even during a single fiscal year. A snapshot of staff assignments in a single division in any bureau, for example, may misrepresent the work being done six months or even six weeks later. Thus, even if we could calculate staff assignments at this granular level with accuracy, such assignments would not be accurate for the entire fiscal year and would result in significant unplanned shifts in regulatory fees as assignments change over time. And finally, much of the work that could be assigned to a single category of regulatees is likely to be interspersed with the work that our staff does on behalf of many entities that do not pay regulatory fees, e.g., governmental entities, non-profit organizations, and other exempt regulatees.

11. NAB also asserts after evaluating the FTE allocations within the bureaus and offices, the Commission failed to also consider other factors that reasonably related to the benefits provided to the payors, particularly the radio industry. But as noted above, it has been the Commission’s longstanding

²¹ *Assessment and Collection of Regulatory Fees for Fiscal Year 2019*, Notice of Proposed Rulemaking, 34 FCC Rcd 3272, 3275-79, paras. 6-15 (2019) (*FY 2019 NPRM*).

²² *FY 2019 Report and Order*, 34 FCC Rcd at 8192-93, para. 7.

²³ *Id.* at 8193, para. 8.

²⁴ *Id.* at 8194-95, para. 14. NAB suggests that all indirect FTEs in the Office of Engineering and Technology should be excluded from the calculation of the radio industry’s allocation percentage claiming that the industry “receives no benefits whatsoever from OET.” NAB Ex Parte at 3-4. NAB’s contention misses the mark, given that the Commission has engaged in numerous proceedings in FY 2020 involving the radio industry, which involve a large number of employees generally in the indirect FTE categories, including employees in the Office of General Counsel, Office of Economics and Analytics, Office of Communications Business Opportunities, and Office of the Secretary. See, e.g., *Amendment of Section 73.3556 of the Commission’s Rules Regarding Duplication of Programming on Commonly Owned Radio Stations*, MB Docket No. 19-310, Report and Order, FCC 20-109, Statement of Chairman Pai; see also generally MB Docket No. 17-105 (Modernization of Media Regulation Initiative). The Enforcement Bureau’s portfolio also includes a substantial amount of work on broadcaster issues. Furthermore, it is undisputed that Media Bureau regulatees as a whole benefit from the work of the Office of Engineering and Technology. NAB’s attempt to cherry-pick the work of a particular office only demonstrates the wisdom of our prior conclusion that the current methodology provides the most objective, administrative method of allocating indirect FTE costs.

²⁵ *FY 2015 Report and Order*, 30 FCC Rcd at 10274-76, paras. 15-17.

²⁶ *FY 2019 Report and Order*, 34 FCC Rcd at 8196, para. 18.

methodology to use direct FTEs as a measure of the benefits provided, and the Commission engages in a fresh review of the FTE allocations each year as part of its annual proceeding.²⁷ Furthermore, in establishing the apportionment of fees between regulatees within the same core bureau and/or within regulatory fee classes, the Commission is continuously refining its methodology to capture the benefits afforded the payor. For example, in many regulatory fee categories, the Commission uses an apportionment methodology that is tied to the benefits of oversight and regulation received by the license as measured by different criteria.²⁸ We reject NAB's suggestion that the Commission should ignore the statutory requirement to consider full-time employees and provide the radio industry with a downward adjustment based on its unsubstantiated assertion that there have been no changes in the benefits received by the radio industry. The methodology described above accounts for those benefits, which are further reflected in the numerous proceedings the Commission has conducted this year that benefit radio broadcasters.²⁹

B. Direct Broadcast Satellite Regulatory Fees

12. Direct broadcast satellite service is a nationally distributed subscription service that delivers video and audio programming via satellite to a small parabolic dish antenna at the subscriber's location. The two DBS providers, AT&T and DISH Network, are multichannel video programming distributors (MVPDs).³⁰ In 2015, the Commission adopted an initial regulatory fee for DBS, as a subcategory in the cable television and IPTV category.³¹ In lieu of directly including DBS providers in the cable television/IPTV category at the same regulatory fee rate, the Commission phased in the new Media Bureau-based regulatory fee for DBS, starting at 12 cents per subscriber per year.³² Each year, the Commission has increased the DBS regulatory fee, bringing it closer to the per-subscriber rate paid by cable television/IPTV. Accordingly, the Commission increased the regulatory fee for DBS operators from 12 cents to 24 cents (plus a three cent moving fee), then 36 cents (plus a two cent moving fee), 48 cents,³³ and to 60 cents for FY 2019.³⁴ For FY 2020, the Commission proposed to increase the fee to 72 cents per subscriber, per year.³⁵

13. AT&T and DISH—the two DBS operators in the United States—claim that the proposed fee increase of 12 cents is not “because the nation's two DBS providers have caused the Commission to incur significant full-time equivalent (‘FTE’) employee costs commensurate with this calculation, but rather because the Commission apparently desires regulatory fee parity between cable operators and DBS

²⁷ See, e.g., *FY 2017 Report and Order*, 32 FCC Rcd at 7061-7064, paras. 9-15 (the Commission reallocated as indirect 38 FTEs in the Wireline Competition Bureau assigned to work on non-high cost programs of the Universal Service Fund); *id.* at 7064-65, paras. 16-17 (the Commission reallocated for regulatory fee purposes four FTEs assigned to work on numbering issues from the Wireline Competition Bureau to the Wireless Telecommunications Bureau).

²⁸ *FY 2019 Report and Order*, 34 FCC Rcd at 8205, para 43 (“[t]he Commission has long assessed regulatory fees—larger licensees receive greater benefits from the license and hence should (and are able to) pay a larger proportion of the costs. That is as true in the context of submarine cables as it is where wireless providers, ITSPs, and broadcasters are concerned.”).

²⁹ NAB Ex Parte at 4.

³⁰ MVPD is defined in section 602(13) of the Act, 47 U.S.C. § 522(13).

³¹ *FY 2015 Report and Order*, 30 FCC Rcd at 10276-77, paras. 19-20.

³² *FY 2017 Report and Order*, 32 FCC Rcd at 7066, para. 19.

³³ *Assessment and Collection of Regulatory Fees for Fiscal Year 2018*, Report and Order and Order, 33 FCC Rcd 8497, 8500, para. 10 (2018) (*FY 2018 Report and Order*); *FY 2017 Report and Order*, 32 FCC Rcd at 7067, para. 20; *Assessment and Collection of Regulatory Fees for Fiscal Year 2016*, Report and Order, 31 FCC Rcd 10339, 10350, para. 30 (2016) (*FY 2016 Report and Order*).

³⁴ *FY 2019 Report and Order*, 34 FCC Rcd at 8198, para. 24.

³⁵ *FY 2020 NPRM*, 35 FCC Rcd at 5004, para. 72.

providers.”³⁶ These commenters contend that the appropriate level of regulatory fee parity was reached several years ago and any further increase is unfairly shifting cable-caused FTE costs to the DBS providers.³⁷ AT&T and DISH contend that MVPD issues are predominantly cable-specific with no applicability to DBS providers.³⁸

14. We reject AT&T’s and DISH’s claim that we should not adopt a fee increase and that such an increase would result in shifting cable-caused costs to DBS providers. The Media Bureau relies on a common pool of FTEs to carry out its oversight of MVPDs and other video distribution providers. When the Commission initially adopted a Media Bureau based regulatory fee for DBS providers of 12 cents, the Commission concluded there was no reasonable basis to continue to exclude DBS providers from sharing in the cost of MVPD oversight and regulation with cable television/IPTV.³⁹

15. NCTA and ACA contend that the proposed DBS fee places an unfair burden on cable/IPTV providers by increasing the DBS fee to 72 cents and the cable/IPTV fee to 89 cents.⁴⁰ These commenters state that this will only marginally close the gap between DBS and the cable/IPTV providers.⁴¹ A significant number of Media Bureau FTEs work on MVPD issues such as market modifications, must-carry and retransmission consent disputes, program carriage complaints, media modernization efforts, and proposed transactions, that affect all MVPDs.⁴² For example, NCTA and ACA observe that AT&T filed lengthy compliance reports regarding merger conditions, AT&T engaged in an ongoing retransmission consent complaint proceeding, AT&T and DISH filed joint comments in the Media Modernization docket, DISH has ongoing carriage disputes, and AT&T and/or DISH have numerous market modification proceedings.⁴³ In addition, other Media Bureau dockets impact all MVPDs, including DBS providers.⁴⁴ NCTA and ACA also argue that the DBS providers have failed to demonstrate that the regulatory fees would result in rate shock and there is no justification for the continued phase-in of the regulatory fee.⁴⁵

16. We adopt the proposal in the *FY 2020 NPRM* to continue to phase in the DBS regulatory fee by 12 cents, to 72 cents per subscriber, per year. This increase will result in a regulatory fee of 89 cents per subscriber, per year, for cable television/IPTV, and bring DBS closer to parity with cable television/IPTV. Media Bureau employees dedicate substantially similar amounts of time and resources to the regulation of DBS as they do to cable television and IPTV and DBS providers participate in numerous Media Bureau dockets. We find that it is reasonable, based on the record, to continue to phase in this fee. We do not agree with the DBS providers’ argument that MVPD issues are predominantly cable specific and that we should not continue to move closer to parity.

17. Finally, the DBS providers contend that the Commission should use an MVPD subscriber snapshot closer in time to the regulatory fee order release date due to declining subscriber counts.⁴⁶ The Commission has a number of quantity-based regulatory fees (e.g., Commercial Mobile Radio Service

³⁶ AT&T and DISH Comments at 1-2.

³⁷ *Id.* at 2.

³⁸ *Id.* at 3.

³⁹ *FY 2015 NPRM*, 30 FCC Rcd at 5364-68, paras. 28-31.

⁴⁰ NCTA and ACA Comments at 3; ACA and NCTA Reply at 3-6.

⁴¹ NCTA and ACA Comments at 3.

⁴² NCTA and ACA Comments at 4 (citing *FY 2018 Report and Order*, 33 FCC Rcd at 7057, para. 8); ACA and NCTA Reply at 6.

⁴³ NCTA and ACA Comments at 4-5.

⁴⁴ *Id.* at 5-6.

⁴⁵ *Id.* at 6-7.

⁴⁶ AT&T and DISH Comments at 4.

(CMRS) cell phones, Cable, Paging, Interstate Telecommunications Service Provider (ITSP), Toll Free Numbers, Submarine Cable, and Terrestrial and Satellite IBCs), and for each of them the fee is based on a quantity count as of December of the prior year. Thus, using a DBS count in December of the previous year is consistent with how the Commission measures all of its other quantity-based fees. Furthermore, many companies use end of calendar year subscriber or customer counts for their year-end official reports, and this provides the Commission sufficient time to obtain this data and use it to calculate fees at the time the Notice of Proposed Rulemaking is drafted. Use of a more recent customer data, such as in June or July, would preclude the Commission from retrieving, reviewing, and using the information while drafting the Notice of Proposed Rulemaking and seeking comment on proposed fees, a critical step in the annual regulatory fee process. Accordingly, we decline to adjust the date of the MVPD subscriber count snapshot.

C. Television Broadcaster Regulatory Fees

18. Historically, regulatory fees for full-power television stations were based on the Nielsen Designated Market Area (DMA) groupings 1-10, 11-25, 26-50, 51-100, and remaining markets (DMAs 101-210). In the *FY 2018 NPRM*, we sought comment on whether using the actual population covered by the station's contours instead of DMAs would more accurately reflect the market served by a full-power broadcast television station for purposes of assessing regulatory fees.⁴⁷ In the *FY 2018 Report and Order*, we adopted the new methodology. We determined that we would fully transition to the new methodology by FY 2020, and in the interim, for FY 2019, we adopted a blended fee based partly on the historical DMA methodology and partly on the new population-based methodology.⁴⁸

19. In the *FY 2020 NPRM*, we proposed to complete the transition to a population-based full-power broadcast television regulatory fee.⁴⁹ We proposed the population-based methodology and began to phase it in because, on balance, it is more equitable and avoids the numerous problems associated with stations located at the edge of a DMA. Accordingly, we now adopt FY 2020 fees for full-power broadcast television stations based on the population covered by a full-power broadcast television station's contour, as we proposed in the *FY 2020 NPRM*. We also adopt a factor of .78 of one cent (\$.007837) for FY 2020 full-power broadcast television station fees.⁵⁰ The population data for broadcasters' service areas are extracted from the TVStudy database, based on a station's projected noise-limited service contour.⁵¹ Appendix G lists this population data for each licensee and the population-based fee (population multiplied by \$.007837) for each full-power broadcast television station, including each satellite station. And we accordingly disagree with NJBA's attempt to relitigate this issue, contending that the DMA approach is a more accurate way to assess fees correlating with how a station derives revenue.⁵² We recognize that the adoption of the population-based methodology increases fees for some licensees and reduces fees for others but in the end the population-based metric better conforms with the actual service authorized here—broadcasting television to the American people.

20. In the *FY 2020 NPRM*, we also proposed to adjust the fees of Puerto Rico broadcasters in two discrete ways. *First*, we proposed to account for the objectively measurable reduction in population by reducing the population counts used in TVStudy by 16.9%, which reflects the decline between the last

⁴⁷ *Assessment and Collection of Regulatory Fees for Fiscal Year 2018*, Report and Order and Notice of Proposed Rulemaking, 33 FCC Rcd 5091, 5102, para. 28 (2018) (*FY 2018 NPRM*).

⁴⁸ *FY 2018 Report and Order*, 33 FCC Rcd at para.14.

⁴⁹ *FY 2020 NPRM*, 35 FCC Rcd at 5002, paras. 66-67.

⁵⁰ The factor of .78 of one cent (\$.007837) was derived by taking the revenue amount required from all television fee categories and dividing it by the total population count of all feeable call signs.

⁵¹ 47 CFR § 73.622(e).

⁵² NJBA Comments at 3.

census in 2010 and the current population estimate.⁵³ *Second*, we proposed to limit the market served by a primary television stations and commonly owned satellite broadcast stations in Puerto Rico to no more than 3.10 million people, the latest population estimate.⁵⁴ Under this scenario, the fee for television broadcasters and commonly owned satellites, using the proposed population fee of \$.007837, would not exceed \$24,300.

21. Commenter ACV agrees that the proposed adjustments in the *FY 2020 NPRM* will mitigate the burdens of the population decline and the severe and rugged terrain.⁵⁵ The Joint Puerto Rico Commenters also agree with the proposed adjustments.⁵⁶ Accordingly, we adopt those adjustments and the proposed regulatory fees for these television broadcasters.

22. We disagree with arguments attempting to relitigate our treatment of VHF stations. NJBA, for example, contends that UHF stations should pay a higher fee than VHF stations because VHF stations have to overcome additional background interference that is prevalent in large cities.⁵⁷ In the *2020 Regulatory Fee Reform Order*, we declined to categorically lower regulatory fees for VHF stations to account for signal limitations.⁵⁸ We concluded that there is nothing inherent in VHF transmission that creates signal deficiencies but that environmental noise issues can affect reception in certain areas and situations.⁵⁹ As such, we recognized that the Media Bureau had granted waivers to allow VHF stations that demonstrate signal disruptions to exceed the maximum power level specified for channels 2-6 in 73.622(f)(6) and for channels 7-13 in 73.622(f)(7)—and that we would not “penalize” such stations by assessing them at their higher power levels needed to overcome such interference but instead at the power levels authorized by our rules.⁶⁰ Such an approach, we find, more narrowly targets the issue that NJBA complains about by ensuring that VHF broadcasters that actually experience increased interference can get the relief they need to reach consumers without sweeping other broadcasters into the mix.

23. We also reject the arguments of PMCM TV, operator of WJLP Channel 3 serving Middletown Township, NJ and surrounding areas that appear to seek a carve-out for that one station from our proposed regulatory fees. Its arguments, that it experiences a high degree of interference from environmental noise and signal blockage from tall buildings near its transmitter and that it had relatively low revenues compared to major network stations in New York City,⁶¹ lead it to propose a reduction in its own regulatory fee by 75%, to \$41,378.⁶² PCPM’s arguments appear to seek a waiver of a portion of their fee based on its individual financial circumstances and we decline to grant this request—adjudicating the circumstances of every station in the context of a cross-industrywide rulemaking would be administratively impractical, and the Commission’s rule already provide a more appropriate venue for relief: Parties can seek a waiver, reduction, or deferment, on a case-by-case basis of the fee, interest

⁵³ *FY 2020 NPRM*, 35 FCC Rcd at 5003, para. 69.

⁵⁴ *Id.* at 5003, para. 70; see United States Census, Quick Facts, Puerto Rico, <https://www.census.gov/quickfacts/PR> (last visited Aug. 5, 2020).

⁵⁵ ACV Comments at 3-5.

⁵⁶ Joint Puerto Rico Comments at 4-5.

⁵⁷ NJBA Comments at 3-4. NJBA also contends that UHF stations can offer a variety of ATSC 3.0 services in the future that traditional VHF stations cannot offer. *Id.* Whatever the merits of that contention, such an argument does not go to the present benefits that VHF stations enjoy vis-à-vis UHF stations.

⁵⁸ *FY 2020 NPRM*, 35 FCC Rcd at 4997, para. 52.

⁵⁹ *Id.*

⁶⁰ *Id.*

⁶¹ PMCM TV Comments at 3-5.

⁶² *Id.* at 7-8.

charge, or penalty “in any specific instance for good cause shown, where such action would promote the public interest.”⁶³

D. Radio Broadcaster Regulatory Fees

24. The *FY 2020 NPRM* proposed the same methodology for assessing radio broadcasters as in prior years.⁶⁴ This methodology involves first identifying the FTEs doing work directly benefitting regulatees.⁶⁵ Because the work of the FTEs in the indirect bureaus and offices benefits the Commission and the telecommunications industry generally and is not specifically focused on the regulatees and licensees of one core bureau, the *FY 2020 NPRM* proposed that, consistent with past practices, the total FTEs for each fee category include an allocation of indirect FTEs proportional to the direct FTEs associated with that category.⁶⁶ The total collection target is then allocated across all regulatory fee categories based on the number of total FTEs. Each regulatee within a fee category then pays its proportionate share based on an objective measure of size (e.g., revenues or number of subscribers).⁶⁷ The Commission adjusted the methodology for assessing regulatory fees on radio stations in FY 2016.⁶⁸ The methodology, as is the case with many regulatees, uses both population and type of license as a metric for benefit afforded the payor.⁶⁹

25. Use of this methodology results in net increases in the amount of regulatory fees assessed to radio broadcast categories compared to FY 2019.⁷⁰ In continuing to review our unit numbers, however, we discovered a computational error and correct it here by increasing the number of units used in the calculation from 9,636 to 9,831 which results in lower fees than proposed in the *FY 2020 NPRM*. Below is a chart showing the regulatory fees by category of radio broadcaster for FY 2020 adjusted to account for the correction:

⁶³ 47 U.S.C. § 159A(d).

⁶⁴ *FY 2020 NPRM*, 35 FCC Rcd at 4497-87, paras. 53-58.

⁶⁵ *Id.* at 4498, para. 56.

⁶⁶ *Id.*

⁶⁷ *Id.* at 4998, para. 57. The categories and calculations used in assessing regulatory fees were also provided. *Id.* at Appendices B, D, and E.

⁶⁸ *FY 2016 Report and Order*, 31 FCC Rcd at 10351, para. 33.

⁶⁹ *See FY 2020 NPRM*, 35 FCC Rcd at 5015-17, Appendix C.

⁷⁰ NAB states that radio broadcasters’ proposed regulatory fees would increase by an average of 4 percent for FY 2020. NAB Comments at 4 (further stating that, under the Commission’s proposal, regulatory fees for AM Class A stations with the smallest reach would increase 5.3 percent, and some FM stations in the largest markets would increase 4.3 percent increase.”).

FY 2020 RADIO STATION REGULATORY FEES						
Population Served	AM Class A	AM Class B	AM Class C	AM Class D	FM Classes A, B1 & C3	FM Classes B, C, C0, C1 & C2
<=25,000	\$975	\$700	\$610	\$670	\$1,075	\$1,225
25,001 – 75,000	\$1,475	\$1,050	\$915	\$1,000	\$1,625	\$1,850
75,001 – 150,000	\$2,200	\$1,575	\$1,375	\$1,500	\$2,425	\$2,750
150,001 – 500,000	\$3,300	\$2,375	\$2,050	\$2,275	\$3,625	\$4,150
500,001 – 1,200,000	\$4,925	\$3,550	\$3,075	\$3,400	\$5,450	\$6,200
1,200,001 – 3,000,000	\$7,400	\$5,325	\$4,625	\$5,100	\$8,175	\$9,300
3,000,001 – 6,000,000	\$11,100	\$7,975	\$6,950	\$7,625	\$12,250	\$13,950
>6,000,000	\$16,675	\$11,975	\$10,425	\$11,450	\$18,375	\$20,925

26. Radio broadcasters argue that any increases to their regulatory fees for FY 2020 are unreasonable because the total amount appropriated to the Commission for FY 2020 did not increase from FY 2019, and the number of FTEs in the Media Bureau increased by only one from FY 2019.⁷¹ Accordingly, they claim that the regulatory fees for radio broadcast categories for FY 2020 should be frozen at their FY 2019 levels.⁷² The radio broadcasters' arguments, however, reflect an incomplete understanding of the methodology that the Commission has used for years. As described above and in the *FY 2020 NPRM*, the long-standing methodology for assessing regulatory fees involves multiple factors besides the amount of appropriation to be recovered and the number of direct FTEs. Specifically, two factors affecting calculation of radio broadcasters' fees changed significantly between FY 2019 and FY 2020, and resulted in the increase in regulatory fees for radio broadcasters. *First*, the Media Bureau's allocation percentage increased from 35.9% in FY 2019 to 37.3% in FY 2020.⁷³ (Mathematically, the year-to-year change in the absolute number of direct FTEs in a core bureau does not by itself determine the share of overall regulatory fees that should be borne by regulatees of that bureau, because the bureau's allocation percentage also depends on the overall number of Commission direct FTEs, which changes year to year.) Furthermore, because indirect FTEs are proportionately allocated by a bureau's share of direct FTEs, this increase in the percentage of direct FTEs also resulted in an increase in the amount of indirect FTEs being allocated to Media Bureau fee categories.⁷⁴ This then resulted in an increase in the overall fees for radio broadcasters as a group. *Second*, the total number of radio broadcasters (projected

⁷¹ NAB Comments at 1-2, 4.

⁷² Colorado Broadcasters Comments at 3-6; NAB Comments at 4-6.

⁷³ *FY 2020 NPRM*, 35 FCC Rcd at 4998, para. 58; *FY 2019 Report and Order*, 34 FCC Rcd at 8194, para. 12.

⁷⁴ As discussed in paragraphs 9-10 above, we reject arguments that the Commission should change its longstanding methodology for allocating indirect FTEs in proportion to the allocation of direct FTEs, which provides an objective, administrable standard for implementing the statutory directive that regulatory fees reflect the benefits provided to the payor of the fee by the Commission's activities. 47 U.S.C. § 159(d).

fee-paying units) unexpectedly dropped by 180 from FY 2019 to FY 2020.⁷⁵ The net effect of these two changes resulted in increased regulatory fees for individual radio broadcaster fee paying units for FY 2020.

27. We disagree with the radio broadcasters that we should ignore our long-standing methodology in order to freeze regulatory fees for (and thus benefit) radio broadcasters at the expense of other regulatees (such as television broadcasters). Because the Commission is statutorily obligated to recover the amount of its appropriation through regulatory fees, these fees are a zero-sum situation. Thus, if the Commission freezes one set of regulatees' fees, it would need to increase another set of regulatees' fees to make up for any resulting shortfall in a way that is inconsistent with the longstanding methodology described in the *FY 2020 NPRM*. Such an outcome would be arbitrary and not in the public interest as a whole, particularly when compared to the alternative of following our long-standing methodology for assessing regulatory fees. We accordingly decline to freeze the radio broadcaster regulatory fees at their FY 2019 levels and instead, we adopt the radio broadcaster fees as adjusted in this Report and Order.⁷⁶

E. Toll Free Numbering Regulatory Fees

28. Toll free numbers allow callers to reach the called party without being charged for the call.⁷⁷ With toll free calls, the charge for the call is paid by the called party (the toll free subscriber) instead.⁷⁸ For reasons discussed in the *FY 2014 Report and Order*⁷⁹ and the *FY 2015 Report and Order*,⁸⁰ the Commission established a regulatory fee obligation for Responsible Organizations (RespOrgs)⁸¹ that manage toll free numbers, beginning in FY 2015.⁸² These reasons include empowering the Commission to ensure that toll free numbers, a valuable national public resource, are allocated in an equitable and orderly manner that serves the public interest, a fundamental purpose of section 251(e)(1) of the Act.⁸³

29. On May 20, 2020, ATL Communications, a RespOrg, filed comments to the Commission's proposed regulatory fees for fiscal year 2020. In its comments, ATL does not address the

⁷⁵ *FY 2019 Report and Order*, 34 FCC Rcd at 8223, Appendix B; *FY 2020 NPRM*, 35 FCC Rcd at 5012, Appendix B.

⁷⁶ *FY 2020 NPRM*, 35 FCC Rcd at Appendix C.

⁷⁷ Toll free numbers are telephone numbers for which the toll charges for completed calls are paid by the toll free subscriber. See 47 CFR § 52.101(f). These are 800, 888, 877, 866, 855, and 844 numbers. SMS/800 (or the 800 Service Management System) is a centralized system that performs toll free number management. For a list of RespOrgs on the SMS/800, Inc. website, see <http://www.sms800.com/Controls/NAC/Serviceprovider.aspx>.

⁷⁸ 47 U.S.C. §§ 52.101 (e), (f).

⁷⁹ *Assessment and Collection of Regulatory Fees for Fiscal Year 2014*, Report and Order and Further Notice of Proposed Rulemaking, MD Docket No. 14-92, 29 FCC Rcd 10767, 10777-79, paras. 25-28 (2014) (*FY 2014 Report and Order*).

⁸⁰ *FY 2015 Report and Order*, 30 FCC Rcd at 5362-64, paras. 23-27.

⁸¹ A Responsible Organization (RespOrg) is a company that manages toll free telephone numbers for subscribers. RespOrgs use the SMS/800 data base to verify the availability of specific numbers and to reserve the numbers for subscribers. See 47 CFR § 52.101(b).

⁸² Prior to the *FY 2014 Report and Order*, the Commission did not assess regulatory fees on toll free numbers based on the assumption that the entities controlling the numbers—wireline and wireless common carriers—were paying regulatory fees based on either revenues or subscribers. See *FY 2014 Report and Order*, 29 FCC Rcd at 10777, para. 25, note 74 (citing *Universal Service Contribution Methodology*, Further Notice of Proposed Rulemaking, 27 FCC Rcd 5357, 5463-64, para. 306 (2012)). In the *FY 2014 NPRM*, the Commission observed this was no longer the case because many toll free numbers were controlled or managed by RespOrgs that were not common carriers. *Assessment and Collection of Regulatory Fees for Fiscal Year 2014*, Notice of Proposed Rulemaking, Second Further Notice of Proposed Rulemaking, and Order, MD Docket Nos. 14-92, 13-140, and 12-201, 29 FCC Rcd 6417, 6435, para 51 (2014) (*FY 2014 NPRM*).

⁸³ *FY 2014 Report and Order*, 29 FCC Rcd at 10776, para. 26.

issues that are the subject of this proceeding, but instead raises specific questions related to international toll free calls involving Canada, tracking fee exemptions, control and ownership of toll free numbers, and the consequences for failure to pay assessed regulatory fees.⁸⁴ Upon review, we find no convincing evidence in ATL's comments that warrants a change to the regulatory fee obligation, as it applies to toll free numbers.

F. Market Access Space Station Regulatory Fees

30. In the *2020 Regulatory Fee Reform Order*, we concluded that non-U.S. licensed space stations granted access to the market in the United States (market access grants) will be included in the FY 2020 GSO and NGSO space station regulatory fees.⁸⁵ In the *FY 2020 NPRM*, we accordingly proposed to collect regulatory fees from most, but not all, non-U.S. licensed space stations granted U.S. market access,⁸⁶ and we follow through and adopt such fees here.

31. We disagree with the two commenters that assert that we do not have such authority.⁸⁷ We will not repeat the lengthy analysis from the *2020 Regulatory Fee Reform Order* here, but will summarize the issues.

32. In our order, the Commission provided a history of section 9 of the Communications Act, the legislative history text associated with the original statute enacted in 1993, the subsequent

⁸⁴ Although it is outside the scope of this proceeding, we provide the following answers in response to ATL's questions. Regarding identification and shared use of Canadian numbers, the Commission clarified in the *FY 2014 Report and Order* that the regulatory fee, assessed on RespOrgs for toll free numbers is limited to toll free numbers that are accessible within the United States. See *FY 2014 Report and Order*, 29 FCC Rcd at 10778, para. 27. Further, the *FY 2015 Report and Order* notes that the regulatory fee assessed on RespOrgs for toll free numbers managed by a RespOrg, is payable for all toll free numbers unless calls from only other countries can be completed using those toll free numbers. *FY 2015 Report and Order*, 30 FCC Rcd at 5364, para. 24. Regarding ATL's questions about tracking numbers for exemptions and determining control and ownership, as discussed in the *FY15 Report and Order*, the basis for identifying the toll free number count upon which the regulatory fee is assessed is derived from data available as of or around December 31st of each year that is provided by SMS/800, Inc, the entity which provides administration and routing for all toll free numbers in North America. *FY 2015 Report and Order*, 30 FCC Rcd at 5364, para. 26. Regarding ATL's question about failure to pay for assessed fees, the Commission held in the *FY 2015 Report and Order* that a RespOrg that fails to pay the regulatory fee assessed by the FCC will be subject to penalties. *FY 2015 Report and Order*, 30 FCC Rcd at 5363, para. 24. We also note that the *FY 2015 Report and Order* required the Managing Director to coordinate with the Toll Free Numbering Administrator to ensure that all RespOrgs owing regulatory fees had sufficient information about the regulatory fee process and opportunity to pay the regulatory fee before the RespOrg is placed in red light status and enforcement procedures are initiated. *FY 2015 Report and Order*, 30 FCC Rcd at 5364, para. 25.

⁸⁵ *FY 2020 NPRM*, 35 FCC Rcd at 4979-91, paras. 7-34.

⁸⁶ The Commission adopted this new fee category in *2020 Regulatory Fee Reform Order*, 35 FCC Rcd at 4979-91, paras. 7-34; the proposed fees were listed in Appendix C.

⁸⁷ See, e.g., Telesat Comments at 1-2; Kineis Comments at 2-3. Kineis, who did not participate in the proceeding below, but is participating in the Petition for Review of the *2020 Regulatory Fee Reform Order* pending in the Court of Appeals for the D.C. Circuit, generally repeats arguments previously made by commenters to the Further Notice of Proposed Rulemaking attached to the *FY 2019 Report and Order*. See Kineis Comments at 2-3 (arguing that the FCC lacks authority to include market access grants in space station regulatory fees and also arguing that the benefits afforded market grants are different from those afforded U.S. licensees for purposes of regulatory fee assessments). Compare *2020 Regulatory Fee Reform Order*, 35 FCC Rcd at 4982, para. 13 (commenters argued that based on legislative history, the Commission does not have the authority to impose such a fee, citing to Telesat Comments at 2; Eutelsat Comments at 4-5; Inmarsat Reply at 2-3).

Commission proceedings⁸⁸ discussing the question of assessing regulatory fees on market access grants, and the recent amendments to the statute.⁸⁹

33. The core of our analysis started with our review of the language of section 9 and our conclusion that it supported adoption of regulatory fees for non-U.S. licensed space stations with U.S. market access. We explained that the Act contemplates that we impose fees on regulatees that reflect the “benefits provided to the payor of the fee by the Commission’s activities.”⁹⁰ As part of such review, we explained that the text of the statute did not support an exemption or exclusion for non-U.S. licensed space stations granted market access.⁹¹ And we concluded that holders of market access grants clearly benefit from the activities of the Commission—and nothing in the language of the Act suggests Congress intended to preclude such entities from the ambit of regulatory fees. We also addressed arguments that the 1991 legislative history associated with the statute precluded assessing regulatory fees on market access grants and concluded that it did not.⁹² We provided historical context of the 1991 legislative history language explaining that when viewed in context this legislative history referred to entities such as INTELSAT and INMARSAT, which were international governmental organizations formed as a result of international treaties and with explicit support by the United States through statutory and regulatory mechanisms, and as such did not preclude adopting our proposal.⁹³ We concluded that the legislative

⁸⁸ 2020 Regulatory Fee Reform Order, 35 FCC Rcd at 4979-4991, paras. 7-34.

⁸⁹ *Id.* at 4980-4981, para. 10.

⁹⁰ *Id.* (explaining 47 U.S.C. § 159(d)).

⁹¹ *Id.* at 4980-4981, paras. 10-11. Our conclusions are in line with prior review of the statute in *PanAmSat Corp. v. F.C.C.*, 198 F.3d 890, 895 (D.C. Cir. 1999) (explaining if Congress intended an exemption for an entity one might find it in the section of the statute devoted to exemptions).

⁹² 2020 Regulatory Fee Reform Order, 35 FCC Rcd at 4982-4985, paras. 14-18. The legislative history is found in the House and Senate Reports, Committee on Energy and Commerce, 102 H. Rpt. 207, September 17, 1991, in which the Committee stated: “The Committee intends that fees in this category be assessed on operators of U.S. facilities, consistent with FCC jurisdiction. Therefore, these fees will apply only to space stations directly licensed by the Commission under Title III of the Communications Act. Fees will not be applied to space stations operated by international organizations subject to the International Organizations Immunities Act, 22 U.S.C. Section 288 et seq.” House and Senate Reports, Committee on Energy and Commerce, 102 H. Rpt. 207, at 33 (Sept. 17, 1991). The language of the 1991 House and Senate Report was incorporated by reference in the Conference Report accompanying the 1993 Budget Reconciliation Act, which included the regulatory fee program. See Conference Report H. Rept. No. 213, 103d Cong., 1st Sess. 499 (1993). The 1991 language related to a comparable bill that passed the House in 1991 but was not passed into law. See *PanAmSat Corp. v. FCC*, 198 F.3d 890, 895 (D.C. Cir. 1999).

⁹³ INTELSAT and INMARSAT, however, were fully privatized and now operate as commercial enterprises. INTELSAT became a private company in 2001, Intelsat, Ltd., after 37 years as an International Governmental Organization, its corporate headquarters are in Luxembourg and the United States, and a fleet of more than 50 satellites. See *Application of Intelsat LLC for Authority to Operate, and to Further Construct, Launch, and Operate C-band and Ku-band Satellites that Form a Global Communications System in Geostationary Orbit*, Memorandum Opinion, Order and Authorization, 15 FCC Rcd 15460, *recon. denied*, 15 FCC Rcd 25234 (2000), *further proceedings*, 16 FCC Rcd 12280 (2001). INMARSAT, now Inmarsat, Inc., is headquartered in London, England, has offices in over 40 countries, and owns and operates 13 satellites. See *Comsat Corporation et al.*, Memorandum Opinion, Order and Authorization, 16 FCC Rcd 21661 (2001); *Inmarsat Group Holdings Limited Petition for Declaratory Ruling Pursuant to Section 621(5)(F) of the ORBIT Act*, Memorandum Opinion and Order, 20 FCC Rcd 11366 (2005).

history of the Act posed no bar to assessing regulatory fees on non-U.S. licensed space stations granted U.S. market access⁹⁴ via the formal process first adopted by the Commission in 1997.⁹⁵

34. Kineis, which did not previously participate in the proceeding, presents two variations on arguments raised by other commenters in the underlying proceeding. For procedural reasons we conclude that we are not required to address these additional arguments. Kineis admits that in challenging (for the first time here) the Commission's May 2020 decision assessing regulatory fees on non-U.S. market grants, it is not responding to anything in the *2020 Regulatory Fee Reform Order*.⁹⁶ And while we might nevertheless treat its arguments as a petition for reconsideration of the *2020 Regulatory Fee Reform Order*, Kineis has not sought such treatment nor has it met the procedural requirements for a petition for reconsideration.⁹⁷ Thus, we dismiss the Kineis filing to the extent it challenges the basis for our decision to assess regulatory fees on non-U.S. market grant or seeks reconsideration of that decision.

35. Turning to comments received in response to the *FY 2020 NPRM*, on separate and independent grounds, we reject Kineis's arguments on their merits. We address the two arguments that might be considered new under a generous analysis, but we will not rehash the other aspects of our prior decision. First, Kineis argues that the Commission "conflates ancillary generalized benefits that may arguably arise from FCC activities with the status of actually being an FCC-regulated entity."⁹⁸ This argument shows that Kineis misunderstands the focus of the annual regulatory fee proceeding. The Commission is required by Congress to assess regulatory fees each year in an amount that can reasonably be expected to equal the amount of its appropriation.⁹⁹ The Commission's methodology for assessing regulatory fees must "reflect the full-time equivalent number of employees within the bureaus and offices of the Commission, adjusted to take into account factors that are reasonably related to the benefits provided to the payor of the fee by the Commission's activities."¹⁰⁰ Our order amply explained how requests for market access have become a significant portion of the applications processed by the Commission and that holders of market access grants regularly participate in Commission activities.¹⁰¹ Thus, such entities derive many benefits from the activities of Commission staff. Adding market access

⁹⁴ *2020 Regulatory Fee Reform Order*, 35 FCC Rcd at 4983, para. 17.

⁹⁵ *Id.* at 4982-4983, paras. 14-16 (explaining the history of surrounding the Commission's adoption in 1997 of a framework under which to consider requests for access by non-U.S. licensed satellites into the United States known as *DISCO II* with many granular details described in note 46, 47, and 49). Under the *DISCO II* process, requests for market access include all the same information as operators seeking a Commission license and also information addressing whether operators are licensed by WTO member nations, with respect to covered services, and if not sufficient information to determine whether the ECO-SAT analysis is satisfied. *Amendment of the Commission's Regulatory Policies to Allow Non-U.S. Licensed Space Stations to Provide Domestic and International Satellite Service in the United States*, Report and Order, 12 FCC Rcd 24094 (1997) (*DISCO II*).

⁹⁶ Kineis Comments at 1.

⁹⁷ *See, e.g.*, 47 CFR 1.429(b) (requirement to explain why arguments on reconsideration could not have been raised previously). We also note that Kineis has joined with other parties in filing a petition for judicial review of the *2020 Regulatory Fee Reform Order*.

⁹⁸ Kineis Comments at 4-5.

⁹⁹ *2020 Regulatory Fee Reform Order*, 35 FCC Rcd at 4977-4978, paras. 2-3; 47 U.S.C. §§ 159(a) ("shall assess and collect regulatory fees"), 159(b) ("Commission shall assess and collect regulatory fees at such rates as the Commission shall establish in a schedule of regulatory fees that will result in the collection, in each fiscal year, of an amount that can reasonably be expected to equal the amounts described in subsection (a) with respect to such fiscal year."); *see also* 47 U.S.C. § 156(b).

¹⁰⁰ 47 U.S.C. § 159(d).

¹⁰¹ *2020 Regulatory Fee Reform Order*, 35 FCC Rcd at 4983-4986, paras 17, 19, 20, & 21. Space X Comments at 2-3 (noting that in other proceedings, the non-U.S. operators stress the similarities between grants of market access and Commission space-station licenses). We also address this point below wherein we discuss the rationale for assessing the same fee on market access grants as space station licenses.

grants to the space station regulatory fee category thus will fulfill Congress's mandate that the Commission recover through regulatory fees the FTE resources costs associated with its activities.¹⁰² In this regard, we note that the Commission generally measures the benefits provided to regulatory fee payors in section 9 through analysis of FTE time devoted to the activities of the Commission funded by our salaries and expense appropriation.¹⁰³ Additionally, Kineis argues that non-U.S.-licensed space stations are not subject to regulatory fees because they provide "nonregulated services."¹⁰⁴ The argument ignores the fact that operators of non-U.S.-licensed space stations granted market access are subject to the same service rules and operating conditions as those that apply to U.S. licensed operators.¹⁰⁵ Moreover, as explained in detail in our *2020 Regulatory Fee Reform Order*, we have re-evaluated our prior conclusions stemming from the legislative history.¹⁰⁶

36. Finally, turning to the suggestion that the Commission should adopt a contingency plan in the event our decision is reversed on appeal, we decline to do so. In the event of reversal on appeal, a remand or other similar possibilities, the FCC would review the decision and abide by any court order as well as its statutory duties.

37. We also disagree with arguments that the proposed regulatory fees for non-U.S. licensed space stations with U.S. market access grants are too high because we set the same regulatory fee for U.S. licensed and non-U.S. licensed space stations.¹⁰⁷ As we discussed in the *FY 2020 NPRM*, the number of space stations seeking U.S. market access has continued to increase each year; in 2019 there were more market access petitions than U.S. space station applications.¹⁰⁸ In addition, as we noted, foreign-licensed space station operators participate actively in Commission rulemaking proceedings and benefit from Commission monitoring and enforcement activities.¹⁰⁹ We concluded that the Commission devotes significant resources to processing the growing number of market access petitions of non-U.S. licensed satellites and that those foreign licensed satellites with U.S. market access benefit from much of the same oversight and regulation by the Commission as the U.S. licensed satellites.¹¹⁰ For that reason, we concluded that assessing the same regulatory fees on non-U.S. licensed space stations with market access

¹⁰² *2020 Regulatory Fee Reform Order*, 35 FCC Rcd at 4988, para. 26. In discussion of the benefit conferred on regulatory fee payors, it is important to note that the benefit in this context is measured in FTE time, the burden imposed on the FCC in order to exercising its statutory responsibilities. *FY 2007 Report and Order*, 22 FCC Rcd at 15719-15720, para. 19.

¹⁰³ 47 U.S.C. §§ 156 (a) (b) (authorizes appropriations to carry out the functions of the Commission to be derived from fees authorized by section 159); 159(a) ("Commission shall assess and collect regulatory fees to recover the costs of carrying out the activities described in section 156(a) of this title only to the extent, and in the total amounts, provided for in Appropriations Acts."); 159(b) ("The Commission shall assess and collect regulatory fees at such rates as the Commission shall establish in a schedule of regulatory fees that will result in the collection, in each fiscal year, of an amount that can reasonably be expected to equal the amounts described in subsection (a) with respect to such fiscal year."); FY 2020 Appropriation (providing a salaries and expenses appropriation and further providing "..., That the sum herein appropriated shall be reduced as such offsetting collections are received during fiscal year 2020 so as to result in a final fiscal year 2020 appropriation estimated at \$0:").

¹⁰⁴ Kineis Comments at 3 (citing *Assessment and Collection of Regulatory Fees for Fiscal Year 2013*, Report and Order, 28 FCC Rcd 12351, 12352-53, para. 6 & n.10 (2013)).

¹⁰⁵ The request for U.S. market access requires the submission and review of the same legal and technical information for the non-U.S. licensed space station as would be required in a license application for that space station. 47 CFR § 25.137; *DISCO II*.

¹⁰⁶ *2020 Regulatory Fee Reform Order*, 35 FCC Rcd at 4982-4985, at paras. 14-18.

¹⁰⁷ Eutelsat Comments at 7; Myriota Comments at 8; Kineis Reply at 4-5.

¹⁰⁸ *FY 2020 NPRM*, 35 FCC Rcd at 4985, para. 19 & note 67.

¹⁰⁹ *Id.* at 4986, para. 21.

¹¹⁰ *Id.*

grants as we assess on U.S. licensed space stations will better reflect the benefits received by these operators through the Commission's adjudicatory, enforcement, regulatory, and international coordination activities and will promote regulatory parity and fairness among space station operators by evenly distributing the regulatory cost recovery. And we disagree that the recategorization of four FTEs five years ago from direct to indirect should determine the space station regulatory fee for FY 2020.¹¹¹ Whatever the relative apportionment of work between U.S. licensees and non-U.S. licensed space stations with market access, our current assessment of the work performed by FTEs leads us to find that equal treatment is in order.

38. Finally, the non-U.S. licensed satellite operators argue that they should not pay the same amount of indirect costs as the U.S. licensed satellite operators because they receive fewer benefits from the Commission.¹¹² They contend that the Commission's regulatory activity at international organizations is designed to promote and protect the interests of U.S. satellite operators and that the indirect FTEs across the agency largely support U.S. telecommunications policy.¹¹³ Commenters contend that FTE-based costs associated with non-U.S. licensed space stations are a fraction of those associated with U.S. licensed space stations, imposing the same regulatory fee would require the foreign-licensed space stations to subsidize U.S. licensed satellite operators.¹¹⁴

39. U.S. licensed satellite operators disagree and observe that the non-U.S. licensed satellite operators receive the same or more benefits from the Commission as do U.S. licensed satellite operators.¹¹⁵ They observe that in another proceeding the non-U.S. licensed operators in the C-Band Alliance have stressed the practical similarities between the market access grants and U.S. licensed space stations.¹¹⁶ SpaceX contends that the foreign licensed operators overlook the tremendous benefit of access to the U.S. market and that the Commission's regulatory activities maximize the value of the market access.¹¹⁷

40. We find that the non-U.S. licensed operators are ignoring the fact that the Commission devotes significant resources to processing the growing number of market access petitions of foreign licensed satellites and that the foreign licensed satellite operators benefit from much of the same oversight and regulation by the Commission as the U.S. licensed satellites. For example, processing a petition for market access requires evaluation of the same legal and technical information as required of U.S. licensed applicants. The operators of non-U.S. licensed space stations also benefit from the Commission's oversight efforts regarding all space and earth station operations in the U.S. market, since enforcement of Commission rules and policies in connection with all operators provides a fair and safe environment for all participants in the U.S. marketplace. The Commission's adjudication, rulemaking, and international coordination efforts benefit all U.S. marketplace participants by evaluating and minimizing the risks of radiofrequency interference, increasing the number of participants in the U.S. satellite market, opening up additional frequency bands for use by satellite services, providing a level and uniform regime for mitigating the danger of orbital debris, and streamlining Commission rules that apply to all providers of satellite services in the United States.¹¹⁸ The active participation of operators of non-U.S. licensed space

¹¹¹ Eutelsat Comments at 7; Myriota Comments at 8; Kineis Reply at 4-5.

¹¹² Eutelsat Comments at 11; Myriota Reply at 6-7.

¹¹³ Eutelsat Comments at 11-12; Myriota Reply at 6.

¹¹⁴ Eutelsat Comments at 10; Myriota Comments at 9.

¹¹⁵ SpaceX Reply at 2-5.

¹¹⁶ *Id.* at 2-3 (citing the C-Band Alliance Comments in GN Docket No. 18-122, filed July 3, 2019).

¹¹⁷ *Id.* at 3-5.

¹¹⁸ *FY 2019 Report and Order*, 34 FCC Rcd at 8212-13, para. 63 (citing *Mitigation of Orbital Debris in the New Space Age*, IB Docket No. 18-313, Notice of Proposed Rulemaking and Order on Reconsideration, 33 FCC Rcd 11352 (2018) (*Orbital Debris NPRM*); *Amendment of Parts 2 and 25 of the Commission's Rules to Facilitate the*

(continued....)

stations in these adjudications and rulemakings demonstrates that they recognize benefits from Commission action to their operations within the U.S. market.¹¹⁹ Thus, the significant benefits to non-U.S. licensed satellites with U.S. market access support including them in the GSO and NGSO regulatory fee categories for U.S. licensed space stations.

41. To the extent some commenters argue that foreign licensed space stations do not benefit from Commission regulatory activity after the space station is operational,¹²⁰ and that compliance with market access conditions are pre-operational assessments that occur before the licensee is subject to any regulatory fees, we disagree. Both U.S. licensed space stations and non-U.S. licensed space stations often make changes to their operations after they have been brought into service, through modification applications or petitions.¹²¹ Ongoing U.S. licensed and non-U.S. licensed space station operations are subject to, and benefit from, the rulemaking and other regulatory activities described above during the entire service period of the space station. In addition, we do not agree that the relevant processing costs incurred should only be assessed in the country where the space station is licensed, and that assessing fees in the United States for the same processing costs would be duplicative.¹²² The processing costs assessed by the licensing country correspond to work that is independent to that performed by the Commission. Moreover, the Commission's substantial regulatory efforts for satellite services benefit non-U.S. licensed space station operators with market access and it would be inequitable to continue charging only U.S. licensees for these benefits to foreign operators.

42. Commenters also argue that we should exempt or adopt a reduced fee for non-U.S. licensed GSO satellites in certain circumstances. We adopt one of these proposals and reject the others.

43. Eutelsat argues that U.S. licensed earth stations onboard vessels (ESVs) operating outside U.S. territorial waters and communicating with foreign licensed satellites should not be subject to regulatory fees.¹²³ These operations are similar, in regulatory treatment, to those of earth stations aboard aircraft (ESAAs) operating outside the United States and communicating with non-U.S. licensed space stations. In the *2020 Regulatory Fee Reform Order*, the Commission excluded from regulatory fee obligations operators of non-U.S. licensed space stations that are listed as a point of communication on

Use of Earth Stations in Motion Communicating with Non-Geostationary Orbit Space Stations in Frequency Bands Allocated to the Fixed-Satellite Service, IB Docket No. 18-315, Notice of Proposed Rulemaking, 33 FCC Rcd 11416 (2018) (*ESIM NPRM*); *Amendment of the Commission's Policies and Rules for Processing Applications in the Direct Broadcast Satellite Service*, IB Docket No. 06-160, Second Notice of Proposed Rulemaking, 33 FCC Rcd 11303 (2018); *Amendment of Parts 2 and 25 of the Commission's Rules to Facilitate the Use of Earth Stations in Motion Communicating with Geostationary Orbit Space Stations in Frequency Bands Allocated to the Fixed Satellite Service*, IB Docket No 17-95, Report and Order and Further Notice of Proposed Rulemaking, 32 FCC Rcd 9327 (2018); *Further Streamlining Part 25 Rules Governing Satellite Services*, IB Docket No. 18-314, Notice of Proposed Rulemaking, 33 FCC Rcd 11502 (2018) (*Part 25 Further Streamlining NPRM*); *Streamlining Licensing Procedures for Small Satellites*, IB Docket No. 18-86, Notice of Proposed Rulemaking 33 FCC Rcd 4152 (2018); *Update to Parts 2 and 25 Concerning Non-Geostationary, Fixed-Satellite Service Systems and Related Matters*, IB Docket No. 16-408, Report and Order and Further Notice of Proposed Rulemaking, 32 FCC Rcd 7809 (2017); *Amendment of Parts 2 and 25 of the Commission's Rules to Facilitate the Use of Earth Stations in Motion Communicating with Geostationary Orbit Space Stations in Frequency Bands Allocated to the Fixed-Satellite Service*, IB Docket No. 17-95, Notice of Proposed Rulemaking, 32 FCC Rcd 4239 (2017).

¹¹⁹ Market access recipients filed comments in nearly all of the Commission's recent satellite rulemaking proceedings. See, e.g., Comments of WorldVu Satellites Limited d/b/a OneWeb, SES Americom and Eutelsat in *Orbital Debris NPRM*, (filings made Apr. 5, 2019); *ESIM NPRM* (filings made Feb. 11, 2019) and *Part 25 Further Streamlining NPRM* (filings made Mar. 18, 2019).

¹²⁰ Kineis Comments at 3-5; Eutelsat Comments at 9-10.

¹²¹ See generally 47 CFR §§ 25.117, 25.137.

¹²² Kineis Comments at 4.

¹²³ Eutelsat Comments at 16.

ESAA licenses, if the ESAA license clearly limits U.S. licensed ESAA terminals' access to these non-U.S. licensed space stations to situations in which these terminals are in foreign territories and/or over international waters and the license does not otherwise allow the non-U.S. licensed space station access to the U.S. market.¹²⁴ We agree that the same rationale also applies here. Accordingly, non-U.S. licensed space stations that are listed as a point of communication on ESV licenses are exempt from the regulatory fee obligations if the ESV license clearly limits U.S. licensed ESV terminals' access to these non-U.S. licensed space stations to situations in which these terminals are in foreign territories and/or international waters and the license does not otherwise allow the non-U.S. licensed space station access to the U.S. market.

44. Two commenters propose fee exemptions for certain non-U.S. licensed satellite systems based on the theory that they are not actually providing services in the United States.¹²⁵ Astranis proposes that foreign licensed satellites accessing U.S. gateway/feeder link earth stations should be exempt from regulatory fees, because these satellites are not providing commercial services to the U.S. market but are just obtaining services from the U.S.-based earth stations.¹²⁶ Like the earth stations only providing telemetry, tracking, and command (TT&C) services that were exempted from regulatory fees, Astranis argues, the provision of gateway or feeder link services to foreign satellites is a benefit to the earth station operators.¹²⁷ AWS proposes that non-U.S. licensed NGSO systems that downlink traffic to U.S. licensed earth stations, solely for immediate transit outside the United States and not intended for U.S. customers, should be exempt from regulatory fees.¹²⁸

45. We disagree with both proposals. Unlike the limited exemptions adopted for operations exclusively outside the United States or for TT&C operations that are directed to the safe and effective operation of the satellite in orbit, the proposed exceptions are for services provided in the United States and involve data operations unrelated to the safe and effective satellite operations in orbit. These data services could involve significant data exchange traffic in the United States. Feeder link earth stations are located in the United States and carry data to and from various users. Further, the direction of the data flow is irrelevant in the context of regulatory fees. Whether the U.S. market access is allowing an earth station to provide service to a space station, or a space station is providing service to an earth station does not affect our cost of regulating GSOs and NSGOs. Space stations also benefit from our regulatory actions regardless of the direction of the data flow or whether services are provided ultimately to end users in the United States. We see no basis to exempt this half of the satellite data link for regulatory fee purposes. Further, the fact that data is immediately transferred out of the United States does not affect the spectrum usage or the need for Commission efforts to ensure interference-free operations for links from NGSO systems in the United States. We therefore reject both proposals.

46. Two commenters propose exemptions or reduced fees based on coverage area. Astranis proposes that we adopt a tiered fee structure based on the U.S. population with the satellite's coverage area, so that the non-U.S. licensed satellite regulatory fee can more directly relate to the costs incurred by the Commission and benefits received by the U.S. and foreign licensed payors.¹²⁹ SES proposes that foreign licensed satellites whose U.S. coverage is limited to one or more territories in the Pacific Ocean (Guam, American Samoa, Midway Island, Wake Island, and the Northern Mariana Islands) be exempt from regulatory fees because of the distance from mainland United States and the few number of potential

¹²⁴ *FY 2020 NPRM*, 35 FCC Rcd at 4990, para. 30.

¹²⁵ See AWS Comments at 3; Astranis Reply at 6-7.

¹²⁶ Astranis Reply at 6-7.

¹²⁷ *Id.* at 7.

¹²⁸ AWS Comments at 3. Alternatively, AWS suggests that we assess a nominal fee for NGSO systems with five or fewer U.S. licensed earth stations for TT&C and non-domestic data downlink purposes. AWS Comments at 6. We are seeking comment on this proposal in the attached Further Notice of Proposed Rulemaking.

¹²⁹ Astranis Reply at 6.

customers located on these islands.¹³⁰ According to SES, while this is not a concrete problem in the current regulatory fee cycle, it is a recurring issue that will arise when a customer on a U.S. territory in the Pacific needs satellite capacity and the regulatory fee would create an economic barrier to providing access.¹³¹ Astranis contends that similar considerations apply to other remote and underserved areas, such as Alaska, Hawaii, and U.S. Caribbean territories.¹³² It argues an exception for these areas would allow satellite operators to better meet the Commission's goal of affordable, high-speed Internet access in those underserved areas.¹³³ Astranis proposes that we exempt from regulatory fees a satellite with a service area outside the contiguous United States comprising less than one percent of the U.S. population.¹³⁴

47. Telesat disagrees with this proposal to exempt non-U.S. licensed satellites from regulatory fees because these factors would apply equally to U.S. licensed satellites and also to other geographic areas.¹³⁵ Telesat suggests that if a foreign or U.S. licensed operator contends that under certain facts it would be inappropriate to pay regulatory fees, they should request a waiver.¹³⁶ We agree with Telesat and reject the argument for exemptions or reduced fees based on the U.S. geographic areas served by the space station. Commenters have not shown that providing service to a remote area would reduce the International Bureau's costs or affect the benefits to the regulatee.

G. Non-Geostationary Orbit Space Station Regulatory Fees

48. In the *2020 Regulatory Fee Reform Order* we decided to allocate 80% of space station fees to GSO space stations and 20% of space stations fees to NGSO space stations based upon the number of applications processed, the rulemakings, and the number of FTEs working on oversight for each category of operators.¹³⁷ In response to the proposed GSO and NGSO regulatory fees in the *FY 2020 NRPM*, commenters assert that we should adopt separate fee categories for distinct types of NGSO systems,¹³⁸ argue we should phase in the NGSO fee increase and not increase by more than 7.5% per year,¹³⁹ and question the accuracy of our list of non-U.S. licensed space stations granted market access that would be subject to regulatory fees.¹⁴⁰ We find that there is not sufficient evidence in the record to establish different fees for NGSO systems at this time and are seeking comment on the issue in the attached Further Notice of Proposed Rulemaking. We decline to phase in the NGSO fee increase as inconsistent with section 9 of the Act and adopt the proposed fees, adjusted to take into account changes to the number of assessable satellites. We agree, however, with the suggestion to publish a list of the space stations and systems in operation that would be subject to regulatory fees and attach such list in Appendix F.

49. We disagree with commenters that object to the proposed fees for NGSO systems as too high for certain NGSOs and contend that the Commission should adopt separate fee categories for distinct types of NGSO systems,¹⁴¹ that the Commission should apportion the FTEs based on different types of

¹³⁰ SES Comments at 2.

¹³¹ *Id.* at 2-3.

¹³² Astranis Reply at 4-5.

¹³³ *Id.* at 5.

¹³⁴ *Id.*

¹³⁵ Telesat Repls at 2-3.

¹³⁶ *Id.* at 3.

¹³⁷ *2020 Regulatory Fee Reform Order*, 35 FCC Rcd at 4993-4995, paras. 40-45.

¹³⁸ Kineis Comments at 5-10; Myriota Comments at 4-7 & Reply at 2.

¹³⁹ Planet Comments at 2; SpaceX Reply at 7.

¹⁴⁰ Eutelsat Comments at 16; SES Comments at 4; SpaceX Reply at 7-8.

¹⁴¹ Kineis Comments at 5-10; Myriota Comments at 4-7 & Reply at 2.

NGSOs,¹⁴² or that we have not established that the actual benefits provided to NGSO payors are equal.¹⁴³ That NGSO systems may differ in size or other characteristics does not preclude grouping them in the same fee category. The Commission groups similar services for regulatory fee purposes, regardless of the varying regulatory obligations of each entity and without calculating how many FTEs are devoted to each individual regulation, because activity levels and participation in specific proceedings may change from year to year. As the Commission discussed in the *FY 2017 Report and Order*,¹⁴⁴ services that are not identical nevertheless warrant placement in the same regulatory fee category, e.g., ITSP includes a range of carriers that may not be regulated identically but must pay fees on the same basis.¹⁴⁵ When interconnected Voice over Internet Protocol (VoIP) providers were added to the ITSP category in a permitted amendment the Commission observed that “the costs and benefits associated with our regulation of interconnected VoIP providers are not identical as those associated with regulating interstate telecommunications service and CMRS [Commercial Mobile Radio Service].”¹⁴⁶ IPTV is not regulated in all the same ways as cable television, and yet the Commission requires them to pay fees on the same basis.¹⁴⁷ Neither the Communications Act nor Commission precedent require an entity to pay regulatory fees exactly equal to an entity’s FTE interaction with a Bureau or Commission office.¹⁴⁸ We did not propose differential treatment of NGSOs in the *FY 2020 NPRM*, and we do not see compelling reasons to deviate from our traditional assessment methods based on the record before us now.

50. Some contend that given the broad range of NGSO networks serving or planning to serve the United States market, the Commission should adopt a multi-tiered approach based on total number of satellites deployed and total transmit bandwidth.¹⁴⁹ SpaceX contends that these commenters have not shown any meaningful tie between the number of satellites in an NGSO system and the use of Commission resources.¹⁵⁰ We agree that there is not sufficient evidence in the record to establish different fees for sized NGSO systems. Accordingly, we seek further comment in the attached Further Notice of Proposed Rulemaking.

51. We disagree with commenters who argue that the proposed increase in NGSO regulatory fees requires us to phase in the fee increase over time, and not increase by more than 7.5% per year.¹⁵¹ SpaceX argues that the significant increase in fees for NGSO systems justify a 7.5% cap.¹⁵² We disagree. A cap for one fee category would result in an increase in the other fee categories. We are required under section 9 of the Act to adopt fees that “reflect the full-time equivalent number of employees within the bureaus and offices of the Commission, adjusted to take into account factors that are reasonably related to

¹⁴² Myriota Reply at 7-9.

¹⁴³ *Id.* at 4, 8.

¹⁴⁴ *FY 2017 Report and Order*, 32 FCC Rcd at 7068, para. 24.

¹⁴⁵ ITSP, regulated by the Wireline Competition Bureau, includes interexchange carriers (IXCs), incumbent local exchange carriers (LECs), toll resellers, Voice over Internet Providers (VoIP), and other service providers, all of which involve different degrees of regulatory oversight.

¹⁴⁶ *See Assessment and Collection of Regulatory Fees for Fiscal Year 2007*, Report and Order and Further Notice of Proposed Rulemaking, 22 FCC Rcd 15712, 15719, para. 19 (2007) (*FY 2007 Report and Order*).

¹⁴⁷ *FY 2013 Report and Order*, 28 FCC Rcd at 12362, para. 32.

¹⁴⁸ *Assessment and Collection of Regulatory Fees for Fiscal Year 2016*, Notice of Proposed Rulemaking, 31 FCC Rcd 5757, para. 9 & n.41 (2016) (*FY 2016 NPRM*); *FY 2015 NPRM*, 30 FCC Rcd at 5369, para. 33.

¹⁴⁹ Kineis Comments at 9.

¹⁵⁰ SpaceX Reply at 6-7.

¹⁵¹ Planet Comments at 2; SpaceX Reply at 7.

¹⁵² SpaceX Reply at 7.

the benefits provided to the payor of the fee by the Commission's activities."¹⁵³ And given the large amount of work the Commission has done on NGSO systems over the past year,¹⁵⁴ we find the benefits of Commission oversight for such systems substantial. For these reasons, we decline to adopt a phased in approach or a cap in regulatory fees. Parties can seek a waiver, reduction, or deferment, on a case-by-case basis of the fee, interest charge, or penalty "in any specific instance for good cause shown, where such action would promote the public interest."¹⁵⁵

52. Finally, commenters raise issues with the accuracy of our list of non-U.S. licensed space stations granted market access that would be subject to regulatory fees. Eutelsat contends that the Commission erroneously included Eutelsat 172B as both U.S. and foreign licensed and it should be removed from the foreign licensed list.¹⁵⁶ Commenters propose that the Commission identify the U.S. licensed and foreign licensed GSO and NGSO space stations that will be subject to regulatory fees to enable operators to review the list for accuracy.¹⁵⁷ Telesat disagrees and suggests that any errors can be resolved by discussions with individual operators.¹⁵⁸ We agree with the suggestion to publish list the space stations and systems in operation that would be subject to regulatory fees. We have attached the list of U.S. licensed operators and foreign licensed operators with U.S. market access in Appendix F and any party identifying an error should advise Commission staff by contacting the Financial Operations Help Desk at 877-480-3201, Option 6.

H. International Bearer Circuit Regulatory Fees

53. In the *FY 2020 NPRM*, we sought comment on the allocation of IBC fees and adopting new tiers for the fees.¹⁵⁹ As discussed below, we find that capacity is an appropriate measure by which to assess IBC fees. We also find that the allocation between submarine cables and terrestrial and satellite circuits should be changed to reflect the changing distribution of international capacity as more and larger submarine cables are put into service. We do not adopt a unified tier structure at this time but will continue to assess fees based on active terrestrial and satellite circuits and on lit capacity of submarine cables. We do, however, adjust the tiers for submarine cables.

54. IBC regulatory fees reflect the work performed by the International Bureau, primarily the Telecommunications and Analysis Division and the Office of the Bureau Chief, for the benefit of all U.S. international telecommunications service providers, and our submarine cable licensees. International telecommunications service is provided over terrestrial, satellite, and submarine cable facilities. In the

¹⁵³ 47 U.S.C. § 159(d).

¹⁵⁴ See, e.g., *Mitigation of Orbital Debris in the New Space Age*, Report and Order and Further Notice of Proposed Rulemaking, 35 FCC Rcd 4156 (2020); *Amendment of Parts 2 and 25 of the Commission's Rules to Facilitate the Use of Earth Stations in Motion Communicating with Geostationary Orbit Space Stations in Frequency Bands Allocated to the Fixed Satellite Service and Facilitating the Communications of Earth Stations in Motion with Non-Geostationary Orbit Space Stations*, Second Report and Order, Report and Order, and Further Notice of Proposed Rulemaking, 35 FCC Rcd 5137 (2020); *Kuiper Systems, LLC Application for Authority to Deploy and Operate a Ka-Band Non-Geostationary Satellite Orbit System*, Order and Authorization, FCC 20-102, 2020 WL 4436490 (July 30, 2020); *ViaSat, Inc. Petition for Declaratory Ruling Granting Access for a Non-U.S.-Licensed Non-Geostationary Orbit Satellite Network*, Order and Declaratory Ruling, 35 FCC Rcd 4324 (2020).

¹⁵⁵ 47 U.S.C. § 159A(d).

¹⁵⁶ Eutelsat Comments at 16.

¹⁵⁷ SES Comments at 4; SpaceX Reply at 7-8.

¹⁵⁸ Telesat Reply at 3-4.

¹⁵⁹ *FY 2020 NPRM*, 35 FCC Rcd at 4998-5002, paras. 59-65.

2020 *Regulatory Reform Order*, we concluded, based on a review by the International Bureau, that eight FTEs should be allocated to IBCs for regulatory fee purposes, and 20 FTEs to the satellite category.¹⁶⁰

55. IBC fees consist of (1) active terrestrial and satellite circuits, and (2) lit submarine cable systems.¹⁶¹ Prior to 2009, IBC fees were collected based on the number of 64 kbps circuits for each of the three types of facilities used to provide international service. In 2009, the Commission changed the methodology for assessing IBC fees from basing the fee on 64 kbps circuits for all types of IBCs to assessing fees for submarine cable operators on a per cable landing license basis, with higher fees for larger capacity submarine cable systems and lower fees for smaller capacity submarine cable systems.¹⁶² The Commission concluded that this methodology served the public interest and was competitively neutral because it included both common carriers and non-common carriers.¹⁶³ Under this bifurcated approach, based on the 2009 Consensus Proposal from the submarine cable operators, 87.6% of IBC fees were assessed to submarine cable systems and 12.4% to terrestrial and satellite facilities based on relative capacity at the time.¹⁶⁴ The Commission adopted a five-tier structure for assessing fees on submarine cables systems, with larger systems paying more based on lit capacity, and a per gigabits per second (Gbps) assessment for terrestrial and satellite facilities based on active circuits.¹⁶⁵ The fee assessment on submarine cables cover the costs for regulatory activity concerning submarine cables as well as the services provided over the submarine cables.¹⁶⁶

1. Using Capacity to Assess IBC Regulatory Fees

56. We start by reaffirming that IBC regulatees with higher capacity receive a greater benefit from the Commission's work and should be assessed accordingly. The Commission has historically used capacity to assess IBCs. When Congress established the Commission's regulatory fee authority in 1993 it adopted a statutory schedule of regulatory fees that included assessing a fee on carriers based on active 64 kbps international circuits.¹⁶⁷ The Commission continued to assess IBC fees on active 64 kbps circuits

¹⁶⁰ *Id.* at 4992, para. 36. Previously, we had determined that 6.9 FTEs were allocated to IBCs. The total number of direct FTEs in the International Bureau is 28.

¹⁶¹ Regulatory fees for terrestrial and satellite IBCs are paid based on active (used or leased) international bearer circuits as of December 31 of the previous year in any terrestrial or satellite transmission facility for the provision of service to an end user or resale carrier. Active circuits include backup and redundant circuits as of December 31. Whether circuits are used specifically for voice or data is not relevant for purposes of determining that they are active circuits.

¹⁶² *Assessment and Collection of Regulatory Fees for Fiscal Year 2008*, Second Report and Order, 24 FCC Rcd 4208, 4214-17, paras. 13-22 (2009) (*Submarine Cable Order*). The Commission did not change the methodology of assessing regulatory fees for terrestrial and satellite facilities on a per bearer circuit basis and did not change the 87.6/12.4 apportionment. *Id.* at 4223, para. 20.

¹⁶³ *Submarine Cable Order*, 24 FCC Rcd at 4212-13, paras. 8-9.

¹⁶⁴ Initially, this fee category was for common carrier IBCs. The Commission added non-common carrier satellite IBCs to this regulatory fee category in 1997. *See FY 1997 Report and Order*, 12 FCC Rcd at 17189, para. 71. More recently, the Commission added non-common carrier terrestrial IBCs to this regulatory fee category in 2017. *See FY 2017*, 32 FCC Rcd at 7071-72, paras. 34-35.

¹⁶⁵ *See FY 2019 Report and Order*, 34 FCC Rcd at 8203-04, paras. 37, 40.

¹⁶⁶ *See, e.g., FY 2015 Report and Order*, 30 FCC Rcd 10268, 10273, para. 12 ("The International Bureau's regulatory activity concerning submarine cable includes licensing, reviewing the Circuit Capacity Reports and filed quarterly reports. In addition, all International Bureau services provided to common carriers using the submarine cable circuits, such as benchmarks enforcement, protection from anticompetitive actions by foreign carriers, foreign ownership rulings (Petitions for Declaratory Rulings, or PDRs), section 214 authorizations, and bilateral and multilateral negotiations and representation of U.S. interests at international organizations, are all provided by the International Bureau on behalf of the common carriers using submarine cable circuits.") (Footnotes omitted).

¹⁶⁷ Section 6002(a) of the Omnibus Budget Reconciliation Act of 1993. *See* Pub. L. No. 103-66, Title VI, § 6002(a), 107 Stat. 397 (approved Aug. 10, 1993).

until 2009 when it adopted a new fee structure that assesses fees on international submarine cable systems, but that new structure still used capacity of the cable system for determining the fees with smaller submarine cable systems paying a lower fee than larger systems.¹⁶⁸ Terrestrial and satellite facilities continued to have IBC fees assessed on a 64 kbps circuit capacity basis until 2018 when the Commission began assessing the fees based on Gbps.¹⁶⁹

57. This year the International Bureau undertook a review of its work, staffing, and distribution of responsibilities benefiting its fee payors, between the Telecommunications and Analysis Division and the Satellite Division and based on this review, we allocated eight FTEs to the international bearer circuit category.¹⁷⁰ The Commission found that almost all of the IBC work benefits all international telecommunications service providers no matter what facilities those services are provided over—submarine cable systems, terrestrial facilities, or satellites.¹⁷¹ Submarine cable licensees benefit from work that includes among others, maintaining the licensing database, enforcing benchmarks, coordination with other U.S. government agencies, including coordinating with other U.S. agencies' undersea activities to protect submarine cables, protecting U.S. customers and consumers from anticompetitive actions by foreign carriers, licensing international section 214 authorizations and submarine cables including review of transactions, and representing U.S. interests at bilateral and multilateral negotiations and at international organizations.¹⁷² The Commission's activities make it possible for submarine cable operators and other IBC providers to provide service to their customers. Those operators of facilities with larger capacity to carry more data derive a greater benefit from the Commission's work in this regard.¹⁷³

58. Several commenters retread well-trodden ground to object to this assessment, but we find yet again that they have not provided a rationale to alter our assessment of fees within the IBC category based on capacity.¹⁷⁴ Contrary to the Submarine Cable Coalition's argument that basing fees on capacity is unlawful,¹⁷⁵ use of capacity is a fundamental premise of how the Commission assesses regulatory fees. Licensees with larger facilities benefit more from the Commission's work and thus should pay a larger proportion of the Commission's costs—just as we have found that licensees with more customers (like MVPD subscribers or CMRS subscribers) or with more revenues (such as ITSPs) benefit more from the Commission's activities.¹⁷⁶ CenturyLink states that to the extent that those FTEs working on issues that benefit IBC regulates as a whole, it is reasonable to use capacity to allocate the fees among the regulatees.¹⁷⁷ It further states that the Commission's activities make it possible for submarine cable operators and other IBC providers to provide service and the entities that carry more traffic are greater

¹⁶⁸ *Submarine Cable Order*, 24 FCC Rcd 4208. The Commission established five tiers for the assessment of fees on submarine cable systems. *Id.* at 4214-15, para. 16.

¹⁶⁹ *FY 2018 Report and Order*, 33 FCC Rcd 8501, para. 12.

¹⁷⁰ *FY 2020 NPRM*, 35 FCC Rcd at 4992, para. 36.

¹⁷¹ *Id.* at 4992, 4999, paras. 37, 61. One exception is the work in the Telecommunications and Analysis Division on foreign ownership issues under section 310 of the Communications Act, 47 U.S.C. § 310, which benefits domestic common carrier wireless providers by facilitating foreign investment in wireless carriers. The work of those FTEs is not included in the eight FTEs allocated to IBCs.

¹⁷² *Id.* at 4999-5000, para. 61.

¹⁷³ CenturyLink Reply at 3.

¹⁷⁴ PC Landing Comments at 2,4; NASCA Comments at 6; Submarine Cable Coalition Comments at 5.

¹⁷⁵ Submarine Cable Coalition Comments at 3-8 & Reply at 3.

¹⁷⁶ See *FY 2020 NPRM*, 35 FCC Rcd at 5000, para. 61 (citing *FY 2019 Report and Order*, 34 FCC Rcd at 8205, para. 43).

¹⁷⁷ CenturyLink Reply at 3.

beneficiaries of the Commission's work.¹⁷⁸ We agree (as the Commission has long held) that capacity is a reasonable basis in the context of IBCs to assess those costs among the regulatees that benefit from that work.

59. We also once again reject assertions that only the work of two FTEs benefits submarine cable operators.¹⁷⁹ NASCA points to a 2014 order, arguing that the Commission found that only two FTEs work to the benefit of submarine cable operators and that should be reflected in the regulatory fees.¹⁸⁰ Although the Commission explained in 2015 that this was a misstatement,¹⁸¹ NASCA continues to cite this as part of its arguments.¹⁸² The Submarine Cable Coalition similarly argues that the Commission provides limited benefits to submarine cable operators.¹⁸³ CenturyLink disagrees and argues the commenters have not provided a sound explanation why using capacity is unreasonable or prohibited by section 9.¹⁸⁴ It notes that the Commission has determined the number of FTEs that should be assigned to IBCs after an analysis of the work done within the International Bureau.¹⁸⁵ And indeed, we reject NASCA's and the Submarine Cable Coalition's arguments that submarine cables benefit only from a limited number of FTEs as suggested six years ago—we conducted an FTE reevaluation prior to setting the FY 2020 IBC fees and the benefits attributable submarine cables are reflected in the proposed fees.

60. We also reject the argument that submarine cables do not benefit from the Commission's IBC work because most submarine cables operate on a non-common carriage (or private carriage) basis.¹⁸⁶ Since 2009, the Commission has assessed regulatory fees on both common carrier and non-common carrier submarine cable systems, as requested by industry in the Consensus Plan, and because both benefit from the landing licenses issued by the Commission.¹⁸⁷ We also note that terrestrial and satellite IBC fees are assessed on both common carrier and non-common carrier circuits.¹⁸⁸ Further, while a submarine cable may operate on a non-common carrier basis, the traffic carried on the submarine cable includes common carrier traffic.

2. Division of IBC Regulatory Fees

61. In the *FY 2020 NPRM*, we proposed to change the allocation of the IBC fees between submarine cable systems and terrestrial and satellite facilities.¹⁸⁹ Since 2009, 87.6% of IBC fees have

¹⁷⁸ *Id.*

¹⁷⁹ *FY 2020 NPRM*, 35 FCC Rcd at 4992, para. 37.

¹⁸⁰ NASCA Comments at 8-9 (citing *FY 2014 Report and Order*, 29 FCC Rcd 10767, 10772, para. 11, stating that only two FTEs in the International Bureau work on submarine cable issues).

¹⁸¹ *FY 2015 Report and Order*, 30 FCC Rcd at 10273, para. 12 ("Upon this further analysis, we conclude that our previous estimate of two FTEs working on IBC issues, discussed in *FY 2014 Report and Order*, did not take these issues into account" of all of the services provided to international carriers using submarine cables.).

¹⁸² NASCA Comments at 8.

¹⁸³ Submarine Cable Coalition Comments at 4.

¹⁸⁴ CenturyLink Reply at 4. CenturyLink notes that other measures of benefits may also be reasonable. *Id.* at 3-4.

¹⁸⁵ *Id.* at 3.

¹⁸⁶ NASCA Comments at 9.

¹⁸⁷ *Submarine Cable Order*, 24 FCC Rcd at 4212, para. 6. The Commission found the Consensus Proposal to be competitively neutral because it treats common carrier and non-common carrier submarine cables identically. *Id.* at 4213, para. 9.

¹⁸⁸ The Commission added non-common carrier satellite IBCs to this regulatory fee category in 1997. See *FY 1997 Report and Order*, 12 FCC Rcd at 17189, para. 71. In 2017, the Commission added non-common carrier terrestrial IBCs. *FY 2017 Report and Order*, 32 FCC Rcd at 7071-72, paras. 34-35.

¹⁸⁹ *FY 2020 NPRM*, 35 FCC Rcd at 5000, para. 62.

been allocated to submarine cables and 12.4% to terrestrial and satellite facilities. This allocation was adopted in the *Submarine Cable Order* and was based on the relative circuits in 2008.¹⁹⁰

62. Based on the minimum capacity for the 2019 rate tiers for regulatory fees paid for submarine cables in FY 2019 (meaning a licensee that paid the rate for a capacity of 4000 Gbps or higher on the submarine cable is presumed to have a capacity of 4000 Gbps), the Commission calculated that the ratio between submarine cable and terrestrial and satellite IBCs is at least 90.8% submarine cable and no more than 9.8% terrestrial and satellite circuits. This calculation, assuming lit capacity at the minimum capacity in the tier, substantially undercounts actual lit capacity in these submarine cables therefore an upward adjustment of 5% more closely approximates actual lit capacity numbers. The Commission concluded that a ratio attributing 95% to submarine cables and 5% to terrestrial and satellite circuits would be more reasonable than the historic ratio and sought comment on this reallocation.¹⁹¹

63. CenturyLink supports the proposal to allocate 95% of IBC fees to submarine cable and 5% to satellite and terrestrial IBCs.¹⁹² SIA argues that the 95%/5% allocation continues to underestimate submarine cable capacity and that the allocation should be closer to 98.3%/1.7%, but it does not provide any support for this proposed allocation.¹⁹³ Based on the record, we are adopting our proposed reallocation between submarine cable and satellite and terrestrial IBCs, as we proposed in the *FY 2020 NPRM*.

3. IBC Regulatory Fee Tiers

64. In the *FY 2020 NPRM*, we also sought comment on combining the submarine cable and terrestrial and satellite IBC categories and assessing IBC fees based on a unified fee structure.¹⁹⁴ Under this proposal, terrestrial and satellite IBC owners would pay regulatory fees based on the number of active international circuits using the rates set out in the proposed tiers. Submarine cable operators would continue to pay regulatory fees for each international submarine cable system based on the lit capacity of the cable system using the same tiers. Commenters generally oppose the proposal to unify the two categories and we decline to adopt it here.

65. Commenters oppose the proposed unified tier structure.¹⁹⁵ SES and SIA argue that a unified tier structure designed to address submarine cable systems that carry the vast majority of international traffic would increase IBC fees paid by satellite operators.¹⁹⁶ AT&T similarly notes that satellite and terrestrial circuit providers would obtain no benefit from a tiered fee system designed to accommodate the much larger capacities of submarine cables and would be better served by the more straightforward per Gbps fee that the Commission alternatively proposes for these circuits.¹⁹⁷ SES and SIA further contend that we should eliminate regulatory fees for satellite IBCs.¹⁹⁸ They observe that we previously rejected tiers for terrestrial and satellite IBCs due to the wide range of numbers of circuits among carriers and that tiers could result in large increases in fees.¹⁹⁹ SIA argues that if we are imposing regulatory fees for satellite IBCs, we should continue to do so on a per Gbps circuit basis to avoid

¹⁹⁰ *Submarine Cable Order*, 24 FCC Rcd at 4212, para 6.

¹⁹¹ *FY 2020 NPRM*, 35 FCC Rcd at 5000, para. 62.

¹⁹² CenturyLink Comments at 1-2; CenturyLink Reply at 1.

¹⁹³ SIA Comments at 3.

¹⁹⁴ *FY 2020 NPRM*, 35 FCC Rcd at 5000-5001, para. 63.

¹⁹⁵ CenturyLink Comments at 8-10; SES Comments at 5; SIA Comments at 4-5; AT&T Reply at 1-3.

¹⁹⁶ SES Comments at 5; SIA Comments at 4-5.

¹⁹⁷ AT&T Reply at 4.

¹⁹⁸ SES Comments at 5; SIA Comments at 2-4.

¹⁹⁹ SES Comments at 5; SIA Comments at 4-5.

unjustified increases.²⁰⁰ CenturyLink argues that it is not clear that the benefits of moving to a single, unified tiered mechanism for all IBCs would be substantial, or that they would outweigh the potential costs.²⁰¹ Instead, CenturyLink contends that the Commission should retain the current two-category approach.²⁰² CenturyLink argues that using a per Gbps fee for terrestrial and satellite IBC providers is reasonable because operators who have greater capacity take greater advantage of the work the Commission has done to enable them to provide service.²⁰³

66. Based on the comments, we decline to adopt the proposed unified tier structure at this time. Instead, we adopt the alternative proposal in the *FY 2020 NPRM* to maintain our current fee structure and will continue to assess regulatory fees for terrestrial and satellite IBCs on a per Gbps circuit basis.²⁰⁴ We will use a six tier structure for fees assessed to submarine cable systems, using lit capacity of the cable system.

67. We reject, again, using a flat rate for submarine cables. NASCA contends that the industry proposal that the Commission adopted in 2009 was meant to replace capacity-based fees with a flat fee per submarine cable system.²⁰⁵ The Commission has previously addressed this issue and rejected adopting a flat fee for submarine cables.²⁰⁶ Contrary to NASCA's assertion, the Commission never indicated in the *Submarine Cable Order* that it intended to move to a flat fee and indeed it specifically stated that over time the categories of small and large systems will change as systems grow in capacity.²⁰⁷ The Commission updated the tiers in 2018 to reflect the increasing capacity of submarine cable systems and we do so again this year.²⁰⁸

4. Submarine Cable IBC Regulatory Fees

68. Since FY 2009, when the Commission established a new methodology for assessing submarine cable fees, the level of capacity for submarine cable systems has increased by leaps and bounds. The Commission has expanded the different tiers to accommodate for this rapid expansion in growth. However, the basic methodology for calculating submarine cable fees has not changed since FY 2009. Submarine cable fees are still calculated on the basis of "1" unit, ".5" units, ".25" units and so forth. In the *FY 2020 NPRM*, the proposed basic unit of fees remained at "1" unit, and this "1" unit is at the fee level of \$295,000 and at the tier threshold of 3,500 – 6,500 Gbps. The tier threshold at 2,000 – 3,500 Gbps constituted ".5" units (\$147,500), while the tier level above 6,500 Gbps (\$590,000), as proposed, was double the "1" unit fee and constituted "2" units. The basic methodology for calculating submarine cable fees had not changed, just expanded to include a level above "1" unit due to increases in capacity.

69. Some commenters argue that calculations underlying this year's regulatory fees are incorrect. CenturyLink states that the proposed fees have calculation errors and will result in an

²⁰⁰ SIA Comments at 5-6.

²⁰¹ CenturyLink Comments at 8-10.

²⁰² CenturyLink Comments at 8; CenturyLink Reply at 4.

²⁰³ CenturyLink Reply at 4.

²⁰⁴ *FY 2020 NPRM*, 35 FCC Rcd at 5001, para. 63 ("As an alternative, we seek comment on maintaining the current fee structure for international bearer circuits and having the fees for submarine cable based on the proposed tier structure and assessing fees for terrestrial and satellite capacity at \$41 per Gbps circuits.").

²⁰⁵ NASCA Comments at 6-7.

²⁰⁶ *FY 2019 Report and Order*, 34 FCC Rcd at 8205-06, para. 44.

²⁰⁷ *Submarine Cable Order*, 24 FCC Rcd at 4215, para. 18.

²⁰⁸ *FY 2018 Report and Order*, 33 FCC Rcd at 8516, Appendix C.

overcollection of over \$11 million.²⁰⁹ NASCA contends that the wrong denominator was used in the calculation of submarine cable fee—the number of licensed cables, 53, should be the denominator instead of the number of payment units.²¹⁰ This erroneous calculation would lead to an overcollection of \$14,128,475.²¹¹ And AT&T does its own calculations to come up with its own tier structure.²¹²

70. Submarine cable system operators are not currently required to disclose the lit capacity of their submarine cable systems to the Commission. In the absence of such data, the Commission must rely on estimates based on the submarine cable system fee payor’s past certifications that accompany their regulatory fee payments. Both NASCA and the Submarine Cable Coalition have filed data about the current lit capacity of their members’ submarine cable systems to provide a factual basis for us to conclude a higher number of fee payors will be paying at the highest level.²¹³ Taking the new information into account and applying the new top tier ratio, we adopt the following submarine cable systems regulatory fee tiers:

FY 2020 International Bearer Circuits - Submarine Cable Systems

Submarine Cable Systems (capacity as of December 31, 2019)	Fee Ratio	FY 2020 Regulatory Fees
Less than 50 Gbps	.0625 Units	\$13,450
50 Gbps or greater, but less than 250 Gbps	.125 Units	\$26,875
250 Gbps or greater, but less than 1,500 Gbps	.25 Units	\$53,750
1,500 Gbps or greater, but less than 3,500 Gbps	.5 Units	\$107,500
3,500 Gbps or greater, but less than 6,500 Gbps	1.0 Unit	\$215,000
6,500 Gbps or greater	2.0 Units	\$430,000

71. With these adjustments, the new fees for submarine cable systems are: \$430,000 for capacities of 6,500 Gbps or greater; \$215,000 for capacities of 3,500 Gbps or greater but less than 6,500 Gbps; \$107,500 for capacities of 1,500 Gbps or greater but less than 3,500 Gbps; \$53,750 for capacities of 250 Gbps or greater but less than 1,500 Gbps, \$26,875 for capacities of 50 Gbps or greater but less than 250 Gbps; and \$13,450 for capacities less than 50 Gbps.

72. These changes reduce the highest tier from \$590,000 to \$430,000 using a “2” unit fee, the “1” unit fee from \$295,000 to \$215,000, the “.5” unit fee from \$147,500 to \$107,500, the “.25” unit fee

²⁰⁹ CenturyLink Comments at 3-6; CenturyLink Reply at 2. CenturyLink also states that the top tier for submarine cable should be 10 Tbps, not 6.5 Tbps, with revised lower tiers. CenturyLink Comments at 7. Letter from Joseph C. Cavender, Vice President and Assistant General Counsel, Federal Regulatory Affairs, CenturyLink, to Marlene H. Dortch, Secretary, Federal Communications Commission (July 24, 2020) (CenturyLink and NASCA Ex Parte).

²¹⁰ NASCA Comments at 3-4. We note that the number of submarine cables subject to FY 2020 fees is 52 as of October 1, 2019.

²¹¹ NASCA Comments at 4.

²¹² *Id.* at 5.

²¹³ See CenturyLink and NASCA Ex Parte; Letter from Andrew D. Lipman, Ulises R. Pin, and Joshua M. Bobeck, counsel for the Submarine Cable Coalition, to Marlene H. Dortch, Secretary, Federal Communications Commission (July 23, 2020) (Submarine Cable Coalition Ex Parte).

from \$73,750 to \$53,750, the “.125” unit fee from \$36,875 to \$26,875, and the “.0625” unit fee from \$18,450 to \$13,450.

73. The Submarine Cable Coalition contends that the high regulatory fees impact the competitiveness and desirability of United States as a landing location.²¹⁴ These commenters argue that an operator may elect to obtain licenses in Canada or Mexico, even if a significant portion of the traffic on the cable is intended for or would originate from destinations in the United States.²¹⁵ While we recognize that regulatory fees are a factor for the industry to consider in their business plans, we cannot adjust regulatory fees based on fees assessed in other countries. Instead, we are required by section 9 of the Act to base regulatory fees on the FTEs in the bureaus and offices in the Commission “adjusted to take into account factors that are reasonably related to the benefits provided.”²¹⁶

74. Finally, NASCA argues that the Commission should charge fees based on active capacity rather than lit capacity.²¹⁷ NASCA notes that “active” capacity is revenue-generating while “lit” capacity is merely electronically enabled capacity and does not equate to revenue-generating capacity.²¹⁸ NASCA and the Submarine Cable Coalition assert that failure to define and distinguish between “active” and “lit” capacity in the *FY 2020 NPRM* creates ambiguities that could lead to gamesmanship if regulated parties seek to lower regulatory fees owed.²¹⁹

75. We clarify that submarine cables will be assessed IBC fees based on “lit” capacity.²²⁰ As the Commission explained in the *FY 2019 Report and Order*, the submarine cable IBCs are based on the lit capacity of the submarine cable as of December 31 of the previous year, in this case December 31, 2019.²²¹ The Commission uses lit capacity “because that is the amount of capacity that submarine cable operators are able to provide services over and the regulatory fee is in part recovering the costs related to the regulation and oversight of such services.”²²² We believe that the term “lit capacity” is a well-established industry terminology and its use will less likely to create any ambiguity that may lead to gamesmanship.²²³

I. Flexibility for Regulatory Payors Given the COVID-19 Pandemic

76. In the *FY 2020 NPRM*, we sought comment on providing relief to regulatees whose businesses have suffered financial harm due to the pandemic. At the outset, we noted the statutory constraints the Commission faces in providing relief from fee payment—its obligations to collect \$339,000,000 in FY 2020 regulatory fees and to fairly and proportionately allocate the burden of those fees among regulatees, and the Commission’s inability to exempt regulatees other than those expressly

²¹⁴ Submarine Cable Coalition Reply at 5.

²¹⁵ *Id.* at 6.

²¹⁶ 47 U.S.C. § 159(a),(b),(d); FY 2020 Appropriation.

²¹⁷ NASCA Comments at 2.

²¹⁸ *Id.*

²¹⁹ *Id.*; Submarine Cable Coalition Comments at 3.

²²⁰ *FY 2020 NPRM*, 35 FCC Rcd at 5000, paras. 62-63. We note that the description of the fee calculation for submarine cable systems stated that “[r]egulatory fees for submarine cable systems are to be paid on a per cable landing license basis based on lit circuit capacity as of December 31, 2019.” *Id.* at 5007, para. 80. We regret any confusion caused by the inadvertent use of “active or lit capacity” in the *FY 2020 NPRM*.

²²¹ *FY 2019 Report and Order*, 34 FCC Rcd at 8204-05, para. 41.

²²² *Id.*

²²³ The submarine cable industry also uses the term “lit capacity” for measuring the capacity available for use on submarine cables. See <https://www2.telegeography.com/submarine-cable-faqs-frequently-asked-questions> (stating that there are two principal ways of measuring a cable’s capacity: (1) Potential capacity; and (2) Lit capacity).

exempt in the statute. We asked commenters to suggest relief measures the Commission might implement within the statutory limitations we described.

77. All of the comments we received in response to our request support the provision of regulatory relief to regulatees financially harmed by the pandemic.²²⁴ The majority of comments were filed by or on behalf of broadcasters and of those, all oppose increasing FY 2020 broadcaster regulatory fees, urging the Commission to either suspend the fee increases or waive altogether FY 2020 broadcaster regulatory fees.²²⁵ Commenters also suggest the Commission waive the 25% penalty for broadcasters that do not pay their fee by September 30, 2020²²⁶ and extend the September 30 deadline.²²⁷

78. Several commenters suggest that the Commission relax its standard for waiver requests, including to permit consideration of waiver requests by parties that are red lighted for other debt owed to the Commission and to allow waiver of the portion of fees attributable to any month a station has been off the air.²²⁸ Others suggest simplifying the waiver filing process to be more “easily navigable and inexpensive” for small broadcasters in particular,²²⁹ including to permit a single letter filing for both waiver and deferral requests.²³⁰ Another commenter urges the Commission to modify the financial documentation it considers germane to demonstrate financial hardship, to account for current circumstances in which previously financially healthy broadcasters are experiencing significant financial distress owing to the pandemic.²³¹

79. Several commenters support the expanded use of the Commission’s installment payment program for regulatees unable to pay their fees by the September 30 deadline, urging the Commission to offer installment payment terms of 6-12 months and beyond, deferred lump sum payments, nominal interest rates, no down payment, and simplify the documents required to obtain an installment payment agreement.²³²

80. We take several steps to address the concerns raised by commenters. *First*, we simplify our filing requirements for waiver, reduction, and deferral requests for FY 2020 fees to ensure that regulatees needing assistance are not precluded from requesting it on procedural grounds. Section 1.1166(a) of the Commission’s rules requires requests for waiver, reduction, or deferral to be filed as separate pleadings and states that “any such request that is not filed as a separate pleading will not be

²²⁴ See SBA Comments, NAB Comments, Redrock Comments, Mentor Comments, NJBA Comments, Morton Comments, CBA, et al. Comments, Dish and AT& T Comments, Myriota Comments, and OneWeb Comments.

²²⁵ SBA Comments at 3, 6; NBA Comments at 3; Redrock Comments at 2; Mentor Comments at 2; NJBA Comments at 2, 5; Morton Comments at 1-2; CBA Comments at 1-2.

²²⁶ Morton Comments at 2; CBA Comments at 2.

²²⁷ Mentor Comments at 2.

²²⁸ CBA Comments at 2 (suggesting that the Commission “relax and/or expand” the standards for broadcasters to obtain financial hardship waivers of their regulatory fee obligations”); Morton Comments at 2 (relax or expand the standards applied for stations seeking a waiver or deferral of the fees incurred.”); SBA Comments at 5 (“[T]he FCC should grant waivers of the fees due for any month(s) a broadcaster was off the air, in recognition of the fact that a silent station cannot earn the advertising revenues with which to pay its regulatory fees.”).

²²⁹ Mentor Comments at 3.

²³⁰ SBA Comments at 19.

²³¹ CBA Comments at 6.

²³² Myriota Comments at 10; OneWeb Comments at 2 (encouraging the Commission to consider different extended payment terms, including a six-month deferral for lump sum payment, and nominal interest rates.); NAB Comments at 9 (“[T]he Commission should liberally exercise its authority to provide broadcasters extended payment terms . . . [of] at least six to nine months. and additional time . . . [for] stations demonstrating more severe hardship.”); CBA Comments at 6 (arguing that the required financial documentation, down payment and administrative costs are unreasonable).

considered by the Commission.” Given the ongoing pandemic, we temporarily waive this rule to permit parties seeking fee waiver and deferral for financial hardship reasons to make a single request for both waiver and deferral.²³³ We also temporarily waive section 1.1166(a) of our rules to direct requests to be submitted electronically to the following Commission email address: 2020regfeerelief@fcc.gov.

81. *Second*, we temporarily waive our rules to the extent necessary so that parties seeking extended payment terms for FY 2020 regulatory fees may do so by submitting an email request to the same email address: 2020regfeerelief@fcc.gov. Installment payment requests may be combined with waiver, reduction, and deferral requests in a single request.

82. *Third*, we exercise our discretion under section 3717(a) of the Debt Collection Improvement Act of 1996, as amended,²³⁴ to reduce the interest rate the Commission charges on installments payments to a nominal rate—and we exercise our discretion to forego the down payment normally required before granting an installment payment request.

83. *Fourth*, we recognize that demonstrating financial hardship caused by the pandemic may require different financial documentation than the documentation the Commission has traditionally accepted. While the burden of proving financial hardship remains with the party requesting it, we direct the Managing Director to work with individual regulatees that have filed requests if additional documents are needed to render a decision on the request.

84. *Fifth*, we waive in part our red light rule to allow debtors that are experiencing financial hardship to nonetheless request relief with respect to their regulatory fees. Under the red light rule, the Commission will not act on any application or request for relief if the requesting party has not paid a debt owed to the Commission.²³⁵ In light of the pandemic, we find that temporary waiver of the red light rule, at the Managing Director’s discretion, to permit regulatees that are experiencing financial difficulties and that owe other debt to the Commission to request waivers, reductions, deferrals, and installment payment terms for FY 2020 fees is appropriate. However, those regulatees for whom the red light is waived will be required to resolve all delinquent debt by paying it in full, entering into an installment agreement to repay the debt, and/or if applicable, curing all payment and other defaults under existing installment agreements.

85. We direct the Managing Director to release one or more public notices describing in more detail the enhanced relief we will provide to regulatees whose businesses have been affected by the pandemic, with filing and other instructions as needed.

86. Finally, we address the suggestions that would contravene the statute or our precedent. We cannot waive FY 2020 fees or the 25% late payment penalty for any group of broadcasters because doing so would effectively exempt the group, when the statute does not permit such an exemption,²³⁶ but instead requires a case-by-case determination in order to waive a fee or penalty.²³⁷ Similarly, we cannot reduce broadcaster fees except on a case-by-case basis.²³⁸ And we cannot suspend the FY 2020 fee increases solely because advertising revenues have dropped. We cannot extend the September 30

²³³ With this temporary waiver, parties seeking alternative or multiple requests for relief may do so in the form of one consolidated filing, or may instead file separate pleadings in accordance with section 1.1166(a) of our rules.

²³⁴ 31 U.S.C. § 3717(a).

²³⁵ 47 CFR §1.1910.

²³⁶ 47 U.S.C. §§ 159(e).

²³⁷ 47 U.S.C. §§ 159(d).

²³⁸ *Id.*

deadline, as September 30 marks the end of our fiscal year and we are required to collect FY 2020 fees by fiscal year end.²³⁹

87. We also cannot relax the standard we employ for fee waiver, reduction, or deferral based on financial hardship grounds. Section 9A of the Act permits the Commission to waive a regulatory fee, penalty or interest for good cause if the waiver is in the public interest.²⁴⁰ Where financial hardship is the asserted basis for a waiver, the Commission has consistently interpreted that to require a showing that the requesting party “lacks sufficient funds to pay the regulatory fees and to maintain its service to the public.”²⁴¹ We believe the existing waiver standard together with the measures described above will work as designed, to provide fee relief to those regulatees most in need. Regulatees whose businesses have been hurt by the pandemic, but not to the extent required to receive a waiver, reduction, or deferral, will be eligible to pay their FY 2020 fees in installments if they show that they cannot pay the fee in lump sum, but can do so with extended payment terms.²⁴²

IV. FURTHER NOTICE OF PROPOSED RULEMAKING

88. In this Further Notice of Proposed Rulemaking, we invite comment on four proposals from commenters in this proceeding to differentiate regulatory fees for different types of NGSO systems in future years. *First*, Kineis notes the Commission has already concluded that a separate fee for small satellites would be appropriate; the NGSO systems vary dramatically in size, number of space stations, spectrum required, and services offered; the proposed fee increase for NGSO systems is substantial; and the Commission has not addressed this issue in many years.²⁴³ Kineis therefore proposes a formula to determine NGSO regulatory fees: x (number of operating satellites) multiplied by y (total transmit bandwidth) = index value.²⁴⁴ Kineis suggests fee tiers based on groupings of index values and basing the difference in fees on the average index value for each tier.²⁴⁵ We seek comment on this proposal.

89. *Second*, Eutelsat contends that the fees assessed on NGSO systems should be separated into small and large NGSO systems, based on the number of satellites in the system.²⁴⁶ According to Eutelsat, large and complex NGSO systems require more staff time to oversee and receive greater benefits from the Commission.²⁴⁷ Smaller NGSO systems in more established bands, Eutelsat suggests, represent

²³⁹ 47 U.S.C. § 159(b) (“The Commission shall assess and collect regulatory fees at such rates as the Commission shall establish in a schedule of regulatory fees that will result in the collection, in each fiscal year, of an amount that can reasonably be expected to equal the amounts described in subsection (a) with respect to such fiscal year.”)

²⁴⁰ 47 U.S.C. § 159A(d).

²⁴¹ *FY 2019 Report and Order*, 34 FCC Rcd at 8207, para. 50.

²⁴² 47 CFR § 1.1914. This standard by its own terms is an easier one to meet than the waiver standard. In 2019, the Commission explained that the application of our waiver authority remained unchanged since 1994 and is an essential aspect of the Commission’s satisfaction of its statutory duty. *FY 2019 Report and Order*, 34 FCC Rcd at 8207, paras. 49-50.

²⁴³ Kineis Comments at 8. Kineis also observes that in 1999 the Commission stated that establishing distinct fees for different types of NGSO networks “may warrant consideration.” Kineis Reply at 3 (quoting *FY 1999 Report and Order*, 14 FCC Rcd at 9885, para. 46); Myriota Reply Comments at 2 (same). Kineis contends that the issue of using multiple fee categories for different types of NGSO networks is ripe for renewed consideration now that the Commission has adopted the small satellite class of NGSO satellite networks. Kineis Reply at 2.

²⁴⁴ Kineis Comments at 9.

²⁴⁵ *Id.* at 10.

²⁴⁶ Eutelsat Comments at 12-13.

²⁴⁷ *Id.* at 13-14.

a smaller burden on Commission staff because they have greater sharing capabilities and operate in less congested and less contested frequency bands.²⁴⁸ We seek comment on this proposal.

90. *Third*, Myriota proposes we divide NGSO systems into three categories: fixed-satellite service (FSS); mobile-satellite service (MSS); and remote sensing, Earth-exploration satellite service (EESS), and other NGSO systems.²⁴⁹ Myriota explains that the Commission has spent multiple years on the NGSO FSS processing round for more than ten applicants and some applicants seeking constellations of tens of thousands of satellites.²⁵⁰ Myriota contends that other types of NGSO systems, such as MSS or EESS systems, require fewer resources because they have fewer applicants and less complex issues, relative to the FSS systems.²⁵¹ In addition, NGSO rulemakings from 2017-2019 primarily benefited NGSO FSS systems and the Commission has not updated the rules for MSS or remote sensing during that time period.²⁵² Myriota argues that the Commission's rules for NGSO FSS systems generally reflect a level of complexity not present for other NGSO systems due to the extremely large constellations and complex sharing and coordination requirements.²⁵³ We seek comment on this proposal.

91. *Finally*, AWS suggests that we assess a nominal fee for NGSO systems with five or fewer U.S. licensed earth stations for TT&C and non-domestic data downlink purposes.²⁵⁴ AWS proposes that the regulatory fee would be assessed on a per earth station basis at the same rate as earth station licenses.²⁵⁵ We seek comment on this proposal.

92. The Commission considers the adoption of a new fee category or a change in fee categories only when it develops sufficient basis for making the change. Commenters should address whether the proposal are in accord with the requirements of section 9. Commenters should also address whether such proposals serve the goal of ensuring that our actions in assessing regulatory fees are fair, administrable, and sustainable.²⁵⁶

93. It has not been the experience of Commission staff reviewing satellite applications that certain broad categories of NGSO systems require substantially more time to process than others under the current rules. A smaller NGSO system in bands shared with other services may require greater staff efforts to approve than a larger NGSO system in bands without coordination difficulties. NGSO FSS systems, while occupying substantial staff time to review in the past few years, have also benefited from streamlining rulemakings that have eliminated some of the most cumbersome technical demonstrations, such as equivalent power-flux density showings. In contrast, systems operating in services that are allegedly easier to license, such as EESS, have involved complicated, multi-year coordination, phased deployments, multiple application amendments, and frequent grants in part, with the associated staff investment.²⁵⁷ Nonetheless, we recognize that the Commission has created the regulatory category for

²⁴⁸ *Id.* at 14.

²⁴⁹ Myriota Comments at 5 & Reply at 5-6.

²⁵⁰ Myriota Comments at 5 & Reply at 5.

²⁵¹ Myriota Comments at 6.

²⁵² *Id.*

²⁵³ *Id.* at 7.

²⁵⁴ AWS Comments at 6.

²⁵⁵ *Id.*

²⁵⁶ See *FY 2012 NPRM*, 27 FCC Rcd at 8464-65, paras. 14-16. The concept of administrability includes the difficulty in collecting regulatory fees under a system that could have unpredictable dramatic shifts in assessed fees in certain categories from year to year.

²⁵⁷ See, e.g., *Spire Global Application for an NGSO EESS license*, IBFS File No. SAT-LOA-20151123-00078 (filed Nov. 23, 2015), granted in part and deferred in part Mar. 18, 2016, granted in part and deferred in part June 16, 2016, granted in part and deferred in part Oct. 14, 2016, amended Nov. 14, 2016, granted in part and deferred in part (continued....)

small satellites, in part, to charge different fees for certain systems. Accordingly, we invite comment on the proposals above regarding other categories of NGSO systems for FY 2021.

V. PROCEDURAL MATTERS

94. Included below are procedural items as well as our current payment and collection methods. We include these payments and collection procedures here as a useful way of reminding regulatory fee payors and the public about these aspects of the annual regulatory fee collection process.

95. *Credit Card Transaction Levels.* Since June 1, 2015, in accordance with *Treasury Financial Manual*, Volume I, Part 5, Chapter 7000, Section 7045—*Limitations on Card Collection Transactions*, the highest amount that can be charged on a credit card for transactions with federal agencies is \$24,999.99.²⁵⁸ Transactions greater than \$24,999.99 will be rejected. This limit applies to single payments or bundled payments of more than one bill. Multiple transactions to a single agency in one day may be aggregated and treated as a single transaction subject to the \$24,999.99 limit. Customers who wish to pay an amount greater than \$24,999.99 should consider available electronic alternatives such as Visa or MasterCard debit cards, ACH debits from a bank account, and wire transfers. Each of these payment options is available after filing regulatory fee information in Fee Filer. Further details will be provided regarding payment methods and procedures at the time of FY 2019 regulatory fee collection in Fact Sheets, <https://www.fcc.gov/regfees>.

96. *Payment Methods.* Pursuant to an Office of Management and Budget (OMB) directive,²⁵⁹ the Commission is moving towards a paperless environment, extending to disbursement and collection of select federal government payments and receipts.²⁶⁰ In 2015, the Commission stopped accepting checks (including cashier's checks and money orders) and the accompanying hardcopy forms (e.g., Forms 159, 159-B, 159-E, 159-W) for the payment of regulatory fees.²⁶¹ During the fee season for collecting regulatory fees, regulatees can pay their fees by credit card through Pay.gov,²⁶² ACH, debit card,²⁶³ or by wire transfer. Additional payment instructions are posted on the Commission's website at <http://transition.fcc.gov/fees/regfees.html>. The receiving bank for all wire payments is the U.S. Treasury, New York, NY (TREAS NYC). Any other form of payment (e.g., checks, cashier's checks, or money orders) will be rejected. For payments by wire, a Form 159-E should still be transmitted via fax so that

Apr. 7, 2017, granted in part and deferred in part May 18, 2017, amended Jan. 2, 2018, granted in part and deferred in part July 13, 2018, granted in part and deferred in part Nov. 29, 2018, modification application pending in IBFS File No. SAT-MOD-20200603-00065.

²⁵⁸ Customers who owe an amount on a bill, debt, or other obligation due to the federal government are prohibited from splitting the total amount due into multiple payments. Splitting an amount owed into several payment transactions violates the credit card network and Fiscal Service rules. An amount owed that exceeds the Fiscal Service maximum dollar amount, \$24,999.99, may not be split into two or more payment transactions in the same day by using one or multiple cards. Also, an amount owed that exceeds the Fiscal Service maximum dollar amount may not be split into two or more transactions over multiple days by using one or more cards.

²⁵⁹ Office of Management and Budget (OMB) Memorandum M-10-06, Open Government Directive, Dec. 8, 2009; see also <http://www.whitehouse.gov/the-press-office/2011/06/13/executive-order-13576-delivering-efficient-effective-and-accountable-gov>.

²⁶⁰ See U.S. Department of the Treasury, Open Government Plan 2.1, Sept. 2012.

²⁶¹ *FY 2015 Report and Order*, 30 FCC Rcd at 10282-83, para. 35. See 47 CFR § 1.1158.

²⁶² In accordance with U.S. Treasury Financial Manual, Volume I, Part 5, Chapter 7000, Section 7045—*Limitations on Card Collection Transactions*, the amount that may be charged on a credit card for transactions with federal agencies has been reduced to \$24,999.99.

²⁶³ In accordance with U.S. Treasury Financial Manual Announcement No. A-2012-02, the maximum dollar-value limit for debit card transactions is eliminated. Only Visa and MasterCard branded debit cards are accepted by Pay.gov. For a list of acceptable credit cards, debit cards, and digital wallets, see https://www.pay.gov/WebHelp/HTML/payments_what.html.

the Commission can associate the wire payment with the correct regulatory fee information. The fax should be sent to the Federal Communications Commission at (202) 418-2843 at least one hour before initiating the wire transfer (but on the same business day) so as not to delay crediting their account. Regulatees should discuss arrangements (including bank closing schedules) with their bankers several days before they plan to make the wire transfer to allow sufficient time for the transfer to be initiated and completed before the deadline. Complete instructions for making wire payments are posted at <http://transition.fcc.gov/fees/wiretran.html>.

97. *Standard Fee Calculations and Payment Dates.*—The Commission will accept fee payments made in advance of the window for the payment of regulatory fees. The responsibility for payment of fees by service category is as follows:

- *Media Services:* Regulatory fees must be paid for initial construction permits that were granted on or before October 1, 2019 for AM/FM radio stations, VHF/UHF broadcast television stations, and satellite television stations. Regulatory fees must be paid for all broadcast facility licenses granted on or before October 1, 2019.
- *Wireline (Common Carrier) Services:* Regulatory fees must be paid for authorizations that were granted on or before October 1, 2019. In instances where a permit or license is transferred or assigned after October 1, 2019, responsibility for payment rests with the holder of the permit or license as of the fee due date. Audio bridging service providers are included in this category.²⁶⁴ For Responsible Organizations (RespOrgs) that manage Toll Free Numbers (TFN), regulatory fees should be paid on all working, assigned, and reserved toll free numbers as well as toll free numbers in any other status as defined in section 52.103 of the Commission’s rules.²⁶⁵ The unit count should be based on toll free numbers managed by RespOrgs on or about December 31, 2019.
- *Wireless Services:* CMRS cellular, mobile, and messaging services (fees based on number of subscribers or telephone number count): Regulatory fees must be paid for authorizations that were granted on or before October 1, 2019. The number of subscribers, units, or telephone numbers on December 31, 2019 will be used as the basis from which to calculate the fee payment. In instances where a permit or license is transferred or assigned after October 1, 2019, responsibility for payment rests with the holder of the permit or license as of the fee due date.
- *Wireless Services, Multi-year fees:* The first eight regulatory fee categories in our Schedule of Regulatory Fees pay “small multi-year wireless regulatory fees.” Entities pay these regulatory fees in advance for the entire amount period covered by the five-year or ten-year terms of their initial licenses, and pay regulatory fees again only when the license is renewed, or a new license is obtained. We include these fee categories in our rulemaking to publicize our estimates of the number of “small multi-year wireless” licenses that will be renewed or newly obtained in FY 2020.
- *Multichannel Video Programming Distributor Services (cable television operators, CARS licensees, DBS, and IPTV):* Regulatory fees must be paid for the number of basic cable television subscribers as of December 31, 2019.²⁶⁶ Regulatory fees also must be paid for CARS licenses that were granted on or before October 1, 2019. In instances where a permit or license

²⁶⁴ Audio bridging services are toll teleconferencing services.

²⁶⁵ 47 CFR § 52.103.

²⁶⁶ Cable television system operators should compute their number of basic subscribers as follows: Number of single family dwellings + number of individual households in multiple dwelling unit (apartments, condominiums, mobile home parks, etc.) paying at the basic subscriber rate + bulk rate customers + courtesy and free service. Note: Bulk-Rate Customers = Total annual bulk-rate charge divided by basic annual subscription rate for individual households. Operators may base their count on “a typical day in the last full week” of December 2019, rather than on a count as of December 31, 2019.

is transferred or assigned after October 1, 2019, responsibility for payment rests with the holder of the permit or license as of the fee due date. For providers of DBS service and IPTV-based MVPDs, regulatory fees should be paid based on a subscriber count on or about December 31, 2019. In instances where a permit or license is transferred or assigned after October 1, 2019, responsibility for payment rests with the holder of the permit or license as of the fee due date.

- *International Services (Earth Stations, Space Stations (GSO and NGSO):* Regulatory fees must be paid for (1) earth stations and (2) geostationary orbit space stations and non-geostationary orbit satellite systems that were U.S. licensed, or non-U.S. licensed but granted U.S. market access, and operational on or before October 1, 2019. In instances where a permit or license is transferred or assigned after October 1, 2019, responsibility for payment rests with the holder of the permit or license as of the fee due date.
 - For FY 2020 only, non-U.S. licensed GSO and NGSO satellites that have been granted market access to the U.S. through a Petition for Declaratory Ruling (PDR) or through an earth station had until July 15, 2020 to relinquish their market access status to avoid having to pay FY 2020 regulatory fees in September 2020. If non-U.S. licensed GSO and NGSO satellites, either through a PDR or an earth station, still have market access after July 15, 2020, regulatory fees will be assessed, and payment will be required by the due date of FY 2020 regulatory fees.
- *International Services (Submarine Cable Systems, Terrestrial and Satellite Services):* Regulatory fees for submarine cable systems are to be paid on a per cable landing license basis based on lit circuit capacity as of December 31, 2019. Regulatory fees for terrestrial and satellite IBCs are to be paid based on active (used or leased) international bearer circuits as of December 31, 2019 in any terrestrial or satellite transmission facility for the provision of service to an end user or resale carrier. When calculating the number of such terrestrial and satellite active circuits, entities must include circuits used by themselves or their affiliates. For these purposes, “active circuits” include backup and redundant circuits as of December 31, 2019. Whether circuits are used specifically for voice or data is not relevant for purposes of determining that they are active circuits.²⁶⁷ In instances where a permit or license is transferred or assigned after October 1, 2019, responsibility for payment rests with the holder of the permit or license as of the fee due date.

98. *Commercial Mobile Radio Service (CMRS) and Mobile Services Assessments.* The Commission will compile data from the Numbering Resource Utilization Forecast (NRUF) report that is based on “assigned” telephone number (subscriber) counts that have been adjusted for porting to net Type 0 ports (“in” and “out”).²⁶⁸ This information of telephone numbers (subscriber count) will be posted on the Commission’s electronic filing and payment system (Fee Filer) along with the carrier’s Operating Company Numbers (OCNs).

99. A carrier wishing to revise its telephone number (subscriber) count can do so by accessing Fee Filer and follow the prompts to revise their telephone number counts. Any revisions to the telephone number counts should be accompanied by an explanation or supporting documentation.²⁶⁹ The Commission will then review the revised count and supporting documentation and either approve or

²⁶⁷ We encourage terrestrial and satellite service providers to seek guidance from the International Bureau’s Telecommunications and Analysis Division to verify their particular IBC reporting processes to ensure that their calculation methods comply with our rules.

²⁶⁸ *Assessment and Collection of Regulatory Fees for Fiscal Year 2005*, Report and Order, 20 FCC Rcd 12259, 12264, paras. 38-44 (2005).

²⁶⁹ In the supporting documentation, the provider will need to state a reason for the change, such as a purchase or sale of a subsidiary, the date of the transaction, and any other pertinent information that will help to justify a reason for the change.

disapprove the submission in Fee Filer. If the submission is disapproved, the Commission will contact the provider to afford the provider an opportunity to discuss its revised subscriber count and/or provide additional supporting documentation. If we receive no response from the provider, or we do not reverse our initial disapproval of the provider's revised count submission, the fee payment must be based on the number of subscribers listed initially in Fee Filer. Once the timeframe for revision has passed, the telephone number counts are final and are the basis upon which CMRS regulatory fees are to be paid. Providers can view their final telephone counts online in Fee Filer. A final CMRS assessment letter will not be mailed out.

100. Because some carriers do not file the NRUF report, they may not see their telephone number counts in Fee Filer. In these instances, the carriers should compute their fee payment using the standard methodology that is currently in place for CMRS Wireless services (i.e., compute their telephone number counts as of December 31, 2019), and submit their fee payment accordingly. Whether a carrier reviews its telephone number counts in Fee Filer or not, the Commission reserves the right to audit the number of telephone numbers for which regulatory fees are paid. In the event that the Commission determines that the number of telephone numbers that are paid is inaccurate, the Commission will bill the carrier for the difference between what was paid and what should have been paid.

101. *Enforcement.* Regulatory fee payments must be paid by their due date. Section 9A(c)(1) of the Act requires the Commission to impose a late payment penalty of 25% of unpaid regulatory fee debt, to be assessed on the first day following the deadline for payment of the fees. Section 9A(c)(2) of the Act requires the Commission to assess interest at the rate set forth in 31 U.S.C. § 3717 on all unpaid regulatory fees, including the 25% penalty, until the debt is paid in full.²⁷⁰ The RAY BAUM'S Act, however, prohibits the Commission from assessing the administrative costs of collecting delinquent regulatory fee debt.²⁷¹ Thus, while section 9A(c) of the Act leaves intact those parts of section 1.1940 of the Commission's rules pertaining to penalty and interest charges, the Commission will no longer assess administrative costs on delinquent regulatory fee debts.²⁷²

102. The Commission will pursue collection of all past due regulatory fees, including penalties and accrued interest, using collection remedies available to it under the Debt Collection Improvement Act of 1996, its implementing regulations and federal common law. These remedies include offsetting regulatory fee debt against monies owed to the debtor by the Commission, and referral of the debt to the United States Treasury for further collection efforts, including centralized offset against monies other federal agencies may owe the debtor.²⁷³

103. Failure to timely pay regulatory fees, penalties or accrued interest will also subject regulatees to the Commission's "red light" rule, which generally requires the Commission to withhold action on and subsequently dismiss applications and other requests for benefits by any entity owing debt, including regulatory fee debt, to the Commission.²⁷⁴

104. In addition to financial penalties, section 9(c)(3) of the Act, and section 1.1164(f) of the Commission's rules grant the Commission the authority to revoke authorizations for failure to pay regulatory fees in a timely fashion.²⁷⁵ Should a fee delinquency not be rectified in a timely manner the Commission may require the licensee to file with documented evidence within sixty (60) calendar days that full payment of all outstanding regulatory fees has been made, plus any associated penalties as

²⁷⁰ 47 U.S.C. § 159A(c)(1).

²⁷¹ Section 9A(c)(2) provides that "section 3717 shall not otherwise apply to such a fee or penalty."

²⁷² See *FY 2018 Report and Order*, 33 FCC Rcd at 8502-8503, paras. 16-17 (adopting this amendment to section 1.1940 of our rules to conform to the RAY BAUM'S Act).

²⁷³ 31 U.S.C. §§ 3701 *et seq.*; 31 CFR §§ 901 *et seq.*; 47 CFR §§ 1.1901 *et seq.*

²⁷⁴ See 47 CFR § 1.1910.

²⁷⁵ 47 U.S.C. § 159(c)(3); 47 CFR § 1.1164(f).

calculated by the Secretary of Treasury in accordance with section 1.1164(a) of the Commission's rules,²⁷⁶ or show cause why the payment is inapplicable or should be waived or deferred. Failure to provide such evidence of payment or to show cause within the time specified may result in revocation of the station license.²⁷⁷

105. *Effective Date.* Providing a 30-day period after Federal Register publication before this Report and Order becomes effective as normally required by 5 U.S.C. § 553(d) will not allow sufficient time to collect the FY 2020 fees before FY 2020 ends on September 30, 2020. For this reason, pursuant to 5 U.S.C. § 553(d)(3), we find there is good cause to waive the requirements of section 553(d), and this Report and Order will become effective upon publication in the Federal Register. Because payments of the regulatory fees will not actually be due until late September, persons affected by this Report and Order will still have a reasonable period in which to make their payments and thereby comply with the rules established herein.

106. *Paperwork Reduction Act Analysis.* This document does not contain new or modified information collection requirements subject to the Paperwork Reduction Act of 1995 (PRA), Public Law 104-13. In addition, therefore, it does not contain any new or modified information collection burden for small business concerns with fewer than 25 employees, pursuant to the Small Business Paperwork Relief Act of 2002, Public Law 107-198, *see* 44 U.S.C. § 3506(c)(4).

107. *Congressional Review Act.* The Commission has determined, and the Administrator of the Office of Information and Regulatory Affairs, Office of Management and Budget, concurs that these rules are non-major under the Congressional Review Act, 5 U.S.C. § 804(2). The Commission will send a copy of this Report & Order to Congress and the Government Accountability Office pursuant to 5 U.S.C. § 801(a)(1)(A).

108. *Initial Regulatory Flexibility Analysis.* As required by the Regulatory Flexibility Act of 1980 (RFA)²⁷⁸ the Commission has prepared an Initial Regulatory Flexibility Analysis (IRFA) relating to this Further Notice of Proposed Rulemaking. The IRFA is contained in Appendix J.

109. *Final Regulatory Flexibility Analysis.* As required by the Regulatory Flexibility Act of 1980 (RFA)²⁷⁹ the Commission has prepared a Final Regulatory Flexibility Analysis (FRFA) relating to this Report and Order. The FRFA is contained in Appendix I.

110. *Filing Instructions.* Pursuant to sections 1.415 and 1.419 of the Commission's rules, 47 CFR §§ 1.415, 1.419, interested parties may file comments and reply comments to the Further Notice of Proposed Rulemaking on or before the dates indicated on the first page of this document. Comments may be filed using the Commission's Electronic Comment Filing System (ECFS)²⁸⁰ or by paper. All filings must be addressed to the Commission's Secretary, Office of the Secretary, Federal Communications Commission.

- **Electronic Filers:** Comments may be filed electronically by accessing ECFS at <http://apps.fcc.gov/ecfs/>.

²⁷⁶ 47 CFR § 1.1164(a).

²⁷⁷ *See, e.g., Cortaro Broadcasting Corp., Order to Pay or Show Cause*, 32 FCC Rcd 9336 (MB 2017).

²⁷⁸ *See* 5 U.S.C. § 603. The RFA, *see* 5 U.S.C. §§ 601-612, has been amended by the Small Business Regulatory Enforcement Fairness Act of 1996 (SBREFA), Pub. L. No. 104-121, Title II, 110 Stat. 847 (1996). The SBREFA was enacted as Title II of the Contract with America Advancement Act of 1996 (CWAAA).

²⁷⁹ *See* 5 U.S.C. § 603. The RFA, *see* 5 U.S.C. §§ 601-612, has been amended by the Small Business Regulatory Enforcement Fairness Act of 1996 (SBREFA), Pub. L. No. 104-121, Title II, 110 Stat. 847 (1996). The SBREFA was enacted as Title II of the Contract with America Advancement Act of 1996 (CWAAA).

²⁸⁰ *See Electronic Filing of Documents in Rulemaking Proceedings*, 63 FR 24121 (1998).

- *Paper Filers:* Parties who choose to file by paper must file an original and one copy of each filing.
 - Filings can be sent by commercial overnight courier or by first-class or overnight U.S. Postal Service mail.²⁸¹ All filings must be addressed to the Commission's Secretary, Office of the Secretary, Federal Communications Commission.
 - Commercial overnight mail (other than U.S. Postal Service Express Mail and Priority Mail) must be sent to 9050 Junction Drive, Annapolis Junction, MD 20701.
 - U.S. Postal Service first-class, Express, and Priority mail must be addressed to 445 12th Street, SW, Washington, DC 20554.

111. **People with Disabilities:** To request materials in accessible formats for people with disabilities (braille, large print, electronic files, audio format), send an e-mail to fcc504@fcc.gov or call the Consumer and Governmental Affairs Bureau at 202-418-0530 (voice), 1-888-835-5322 (tty).

112. **Ex Parte Information.** This proceeding shall be treated as a permit-but-disclose proceeding in accordance with the Commission's ex parte rules. Persons making ex parte presentations must file a copy of any written presentation or a memorandum summarizing any oral presentation within two business days after the presentation (unless a different deadline applicable to the Sunshine period applies). Persons making oral ex parte presentations are reminded that memoranda summarizing the presentation must list all persons attending or otherwise participating in the meeting at which the ex parte presentation was made, and summarize all data presented and arguments made during the presentation. If the presentation consisted in whole or in part of the presentation of data or arguments already reflected in the presenter's written comments, memoranda, or other filings in the proceeding, the presenter may provide citations to such data or arguments in his or her prior comments, memoranda, or other filings (specifying the relevant page and/or paragraph numbers where such data or arguments can be found) in lieu of summarizing them in the memorandum. Documents shown or given to Commission staff during ex parte meetings are deemed to be written ex parte presentations and must be filed consistent with section 1.1206(b) of the Commission's rules. In proceedings governed by section 1.49(f) of the Commission's rules or for which the Commission has made available a method of electronic filing, written ex parte presentations and memoranda summarizing oral ex parte presentations, and all attachments thereto, must be filed through the electronic comment filing system available for that proceeding, and must be filed in their native format (e.g., .doc, .xml, .ppt, searchable .pdf). Participants in this proceeding should familiarize themselves with the Commission's ex parte rules.

VI. ORDERING CLAUSES

113. Accordingly, IT IS ORDERED that, pursuant to Section 9(a), (b), (e), (f), and (g) of the Communications Act of 1934, as amended, 47 U.S.C. §§ 159(a), (b), (e), (f), and (g), this Report and Order and Further Notice of Proposed Rulemaking IS HEREBY ADOPTED.

114. IT IS FURTHER ORDERED that the Report and Order SHALL BE EFFECTIVE upon publication in the Federal Register.

²⁸¹ In response to the COVID-19 pandemic, the FCC has closed its current hand-delivery filing location at FCC Headquarters. We encourage outside parties to take full advantage of the Commission's electronic filing system. Any party that is unable to meet the filing deadline due to the building closure may request a waiver of the comment or reply comment deadline, to the extent permitted by law. *FCC Announces Closure of FCC Headquarters Open Window and Change in Hand-Delivery Filing*, Public Notice, 35 FCC Rcd 2788 (MD 2020), <https://www.fcc.gov/document/fcc-closes-headquarters-open-window-and-changes-hand-delivery-policy>.

115. IT IS FURTHER ORDERED that the FY 2020 section 9 regulatory fees assessment requirements and the rules set forth in Appendix K ARE ADOPTED as specified herein.

116. IT IS FURTHER ORDERED that the Commission's Consumer and Governmental Affairs Bureau, Reference Information Center, SHALL SEND a copy of this Report and Order, including the Final Regulatory Flexibility Analysis in Appendix I, to Congress and the Government Accountability Office pursuant to 5 U.S.C. § 801(a)(1)(A).

FEDERAL COMMUNICATIONS COMMISSION

Marlene H. Dortch
Secretary

APPENDIX A

Commenter—Initial Comments	Abbreviated Name
America-CV Station Group	ACV
ATL Communications	ATL
CenturyLink	CenturyLink
Colorado Broadcasters Association, Florida Association of Broadcasters, Oregon Association of Broadcasters, Puerto Rico Broadcasters Association	Colorado Broadcasters
Dish Network L.L.C. and AT&T Services, Inc.	AT&T and DISH
Eutelsat Communications S.A.	Eutelsat
Kineis	Kineis
Fred R. Morton	Morton
Myriota Pty. Ltd.	Myriota
National Association of Broadcasters	NAB
NCTA—The Internet & Television Association and ACA Connects—America’s Communications Association	NCTA and ACA
New Jersey Broadcasters Association	NJBA
North American Submarine Cable Association	NASCA
PC Landing Corp.	PC Landing
Planet Labs, Inc.	Planet
PMCM TV, LLC	PMCM
Redrock Broadcasting, Inc. and Media Advisors, LLC	Redrock
Satellite Industry Association	SIA
SES Americom, Inc.	SES
State Broadcasters Associations	State Broadcasters
Spanish Broadcasting System Holding Company, Inc. and Televiscentro of Puerto Rico. LLC	Joint Puerto Rico Commenters
Submarine Cable Coalition, comprised of the following: Cable & Wireless Networks, GlobeNet Cabos Submarinos America, Inc., GU Holdings, Inc. (a wholly owned subsidiary of Google LLC), Hawaiiki Submarine Cable USA LLC, Servicio di Telecomunicacion di Aruba (SETAR) N.V., and Tata	Submarine Cable Coalition

Communications (America), Inc.	
Telesat Canada	Telesat
WorldVu Satellites Limited, Debtor-in-Possession	OneWeb

Commenter—Reply Comments	Abbreviated Name
ACA Connects—America’s Communications Association and NCTA—The Internet & Television Association	ACA and NCTA
Amazon Web Services, Inc.	AWS
Astranis Space Technologies Corp.	Astranis
CenturyLink	CenturyLink
CTIA—The Wireless Association®	CTIA
Kineis	Kineis
Mentor Partners, Inc.	Mentor
Myriota Pty. Ltd.	Myriota
National Association of Broadcasters	NAB
Space Exploration Technologies Corp.	SpaceX
Submarine Cable Coalition, comprised of the following: Cable & Wireless Networks, GlobeNet Cabos Submarinos America, Inc., GU Holdings, Inc. (a wholly owned subsidiary of Google LLC), Hawaiki Submarine Cable USA LLC, Servicio di Telecomunicacion di Aruba (SETAR) N.V., and Tata Communications (America), Inc.	Submarine Cable Coalition
Telesat Canada	Telesat

APPENDIX B

Calculation of FY 2020 Revenue Requirements and Pro-Rata Fees

Regulatory fees for the categories shaded in gray are collected by the Commission in advance to cover the term of the license and are submitted at the time the application is filed.

Fee Category	FY 2020 Payment Units	Yrs	FY 2019 Revenue Estimate	Pro-Rated FY 2020 Revenue Requirement	Computed FY 2020 Regulatory Fee	Rounded FY 2020 Reg. Fee	Expected FY 2020 Revenue
PLMRS (Exclusive Use)	750	10	112,500	187,500	25.00	25	187,500
PLMRS (Shared use)	11,700	10	1,240,000	1,170,000	10.00	10	1,170,000
Microwave	12,600	10	2,500,000	3,150,000	25.00	25	3,150,000
Marine (Ship)	7,100	10	1,065,000	1,065,000	15.00	15	1,065,000
Aviation (Aircraft)	5,500	10	450,000	550,000	10.00	10	550,000
Marine (Coast)	90	10	24,000	36,000	40.00	40	36,000
Aviation (Ground)	1,100	10	220,000	220,000	20.00	20	220,000
AM Class A ¹	63	1	285,200	296,501	4,706	4,700	296,100
AM Class B ¹	1,458	1	3,541,950	3,678,692	2,523	2,525	3,681,450
AM Class C ¹	819	1	1,266,000	1,317,039	1,608	1,600	1,310,400
AM Class D ¹	1,372	1	4,200,800	4,351,447	3,172	3,175	4,356,100
FM Classes A, B1 & C3 ¹	2,973	1	8,823,375	9,156,345	3,080	3,075	9,141,975
FM Classes B, C, C0, C1 & C2 ¹	3,146	1	10,833,000	11,216,626	3,565	3,575	11,246,950
AM Construction Permits ²	6	1	1,785	3,660	610	610	3,660
FM Construction Permits ²	60	1	67,000	64,500	1,075	1,075	64,500
Digital Television ⁵ (including Satellite TV)	3.25 billion population	1	24,294,675	25,473,855	.00783665	.007837	25,473,855
Digital TV Construction Permits ²	3	1	13,350	14,850	4,950	4,950	14,850
LPTV/Translators/ Boosters/Class A TV	5,340	1	1,621,500	1,684,648	315.5	315	1,682,100
CARS Stations	160	1	202,125	208,683	1,304	1,300	208,000
Cable TV Systems, including IPTV	55,500,000	1	49,020,000	49,207,472	.887	.89	49,395,000
Direct Broadcast Satellite (DBS)	27,800,000	1	18,000,000	20,117,050	.724	.72	20,116,000
Interstate Telecommunication Service Providers	\$30,700,000,000	1	102,708,000	98,504,384	0.003209	0.00321	98,547,000
Toll Free Numbers	33,000,000	1	3,960,000	3,975,316	0.1205	0.12	3,960,000
CMRS Mobile Services (Cellular/Public Mobile)	425,000,000	1	79,990,000	72,127,369	0.1697	0.17	72,250,000
CMRS Messaging Services	1,900,000	1	152,000	152,000	0.0800	0.080	152,000

Fee Category	FY 2020 Payment Units	Yrs	FY 2019 Revenue Estimate	Pro-Rated FY 2020 Revenue Require- ment	Computed FY 2020 Regulatory Fee	Rounded FY 2020 Reg. Fee	Expected FY 2020 Revenue
BRS/ ³	1,280	1	869,400	716,800	560	560	716,800
LMDS	340	1	96,600	190,400	560	560	190,400
Per Gbps circuit Int'l Bearer Circuits Terrestrial (Common & Non-Common) & Satellite (Common & Non- Common)	10,700	1	900,240	436,293	40.8	41	438,700
Submarine Cable Providers (See chart at bottom of Appendix C) ⁴	38.5625	1	6,363,741	8,280,414	214,727	214,725	8,280,333
Earth Stations	3,000	1	1,402,500	1,678,050	559	560	1,680,000
Space Stations (Geostationary)	164	1	15,643,250	16,092,194	98,123.1	98,125	16,092,500
Space Stations (Non- Geostationary)	18	1	1,084,125	4,023,049	223,503	223,500	4,023,000
***** Total Estimated Revenue to be Collected			340,929,616	338,686,759			338,940,733
***** Total Revenue Requirement			339,000,000	339,000,000			339,000,000
Difference			1,929,616	(313,241)			(59,267)

Notes on Appendix B

¹ The fee amounts listed in the column entitled “Rounded New FY 2020 Regulatory Fee” constitute a weighted average broadcast regulatory fee by class of service. The actual FY 2020 regulatory fees for AM/FM radio station are listed on a grid located at the end of Appendix C.

² The AM and FM Construction Permit revenues and the Digital (VHF/UHF) Construction Permit revenues were adjusted, respectively, to set the regulatory fee to an amount no higher than the lowest licensed fee for that class of service. Reductions in the Digital (VHF/UHF) Construction Permit revenues, and in the AM and FM Construction Permit revenues, were offset by increases in the revenue totals for Digital television stations by market size, and in the AM and FM radio stations by class size and population served, respectively.

³ The MDS/MMDS category was renamed Broadband Radio Service (BRS). *See Amendment of Parts 1, 21, 73, 74 and 101 of the Commission’s Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and Other Advanced Services in the 2150-2162 and 2500-2690 MHz Bands*, Report & Order and Further Notice of Proposed Rulemaking, 19 FCC Rcd 14165, 14169, para. 6 (2004).

⁴ The chart at the end of Appendix C lists the submarine cable bearer circuit regulatory fees (common and non-common carrier basis) that resulted from the adoption of the *Assessment and Collection of Regulatory Fees for Fiscal Year 2008*, Report and Order and Further Notice of Proposed Rulemaking, 24 FCC Rcd 6388 (2008) and *Assessment and Collection of Regulatory Fees for Fiscal Year 2008*, Second Report and Order, 24 FCC Rcd 4208 (2009). The Submarine Cable fee in Appendix B is a weighted average of the various fee payers in the chart at the end of Appendix C.

⁵ The actual digital television regulatory fees to be paid by call sign are identified in Appendix G.

APPENDIX C

Regulatory Fees
FY 2020

Regulatory fees for the categories shaded in gray are collected by the Commission in advance to cover the term of the license and are submitted at the time the application is filed.

Fee Category	Annual Regulatory Fee (U.S. \$s)
PLMRS (per license) (Exclusive Use) (47 CFR part 90)	25
Microwave (per license) (47 CFR part 101)	25
Marine (Ship) (per station) (47 CFR part 80)	15
Marine (Coast) (per license) (47 CFR part 80)	40
Rural Radio (47 CFR part 22) (previously listed under the Land Mobile category)	10
PLMRS (Shared Use) (per license) (47 CFR part 90)	10
Aviation (Aircraft) (per station) (47 CFR part 87)	10
Aviation (Ground) (per license) (47 CFR part 87)	20
CMRS Mobile/Cellular Services (per unit) (47 CFR parts 20, 22, 24, 27, 80 and 90)	.17
CMRS Messaging Services (per unit) (47 CFR parts 20, 22, 24 and 90)	.08
Broadband Radio Service (formerly MMDS/ MDS) (per license) (47 CFR part 27)	560
Local Multipoint Distribution Service (per call sign) (47 CFR, part 101)	560
AM Radio Construction Permits	610
FM Radio Construction Permits	1,075
AM and FM Broadcast Radio Station Fees	See Table Below
Digital TV (47 CFR part 73) VHF and UHF Commercial Fee Factor	\$.007837 See Appendix G for fee amounts due, also available at https://www.fcc.gov/licensing-databases/fees/regulatory-fees
Digital TV Construction Permits	4,950

Fee Category	Annual Regulatory Fee (U.S. \$s)
Low Power TV, Class A TV, TV/FM Translators & Boosters (47 CFR part 74)	315
CARS (47 CFR part 78)	1,300
Cable Television Systems (per subscriber) (47 CFR part 76), Including IPTV	.89
Direct Broadcast Service (DBS) (per subscriber) (as defined by section 602(13) of the Act)	.72
Interstate Telecommunication Service Providers (per revenue dollar)	.00321
Toll Free (per toll free subscriber) (47 CFR section 52.101 (f) of the rules)	.12
Earth Stations (47 CFR part 25)	560
Space Stations (per operational station in geostationary orbit) (47 CFR part 25) also includes DBS Service (per operational station) (47 CFR part 100)	98,125
Space Stations (per operational system in non-geostationary orbit) (47 CFR part 25)	223,500
International Bearer Circuits - Terrestrial/Satellites (per Gbps circuit)	\$41
Submarine Cable Landing Licenses Fee (per cable system)	See Table Below

FY 2020 RADIO STATION REGULATORY FEES						
Population Served	AM Class A	AM Class B	AM Class C	AM Class D	FM Classes A, B1 & C3	FM Classes B, C, C0, C1 & C2
<=25,000	\$975	\$700	\$610	\$670	\$1,075	\$1,225
25,001 – 75,000	\$1,475	\$1,050	\$915	\$1,000	\$1,625	\$1,850
75,001 – 150,000	\$2,200	\$1,575	\$1,375	\$1,500	\$2,425	\$2,750
150,001 – 500,000	\$3,300	\$2,375	\$2,050	\$2,275	\$3,625	\$4,150
500,001 – 1,200,000	\$4,925	\$3,550	\$3,075	\$3,400	\$5,450	\$6,200
1,200,001 – 3,000,000	\$7,400	\$5,325	\$4,625	\$5,100	\$8,175	\$9,300
3,000,001 – 6,000,000	\$11,100	\$7,975	\$6,950	\$7,625	\$12,250	\$13,950
>6,000,000	\$16,675	\$11,975	\$10,425	\$11,450	\$18,375	\$20,925

FY 2020 International Bearer Circuits - Submarine Cable Systems

Submarine Cable Systems (capacity as of December 31, 2019)	Fee Ratio	FY 2020 Regulatory Fees
Less than 50 Gbps	.0625 Units	\$13,450
50 Gbps or greater, but less than 250 Gbps	.125 Units	\$26,875
250 Gbps or greater, but less than 1,500 Gbps	.25 Units	\$53,750
1,500 Gbps or greater, but less than 3,500 Gbps	.5 Units	\$107,500
3,500 Gbps or greater, but less than 6,500 Gbps	1.0 Unit	\$215,000
6,500 Gbps or greater	2.0 Units	\$430,000

APPENDIX D

Sources of Payment Unit Estimates for FY 2020

In order to calculate individual service fees for FY 2020, we adjusted FY 2020 payment units for each service to more accurately reflect expected FY 2020 payment liabilities. We obtained our updated estimates through a variety of means and sources. For example, we used Commission licensee data bases, actual prior year payment records and industry and trade association projections, when available. The databases we consulted include our Universal Licensing System (ULS), International Bureau Filing System (IBFS), Consolidated Database System (CDBS), Licensing and Management System (LMS) and Cable Operations and Licensing System (COALS), as well as reports generated within the Commission such as the Wireless Telecommunications Bureau's *Numbering Resource Utilization Forecast*. Regulatory fee payment units are not all the same for all fee categories. For most fee categories, the term "units" reflect licenses or permits that have been issued, but for other fee categories, the term "units" reflect quantities such as subscribers, population counts, circuit counts, telephone numbers, and revenues.

We sought verification for these estimates from multiple sources and, in all cases, we compared FY 2020 estimates with actual FY 2019 payment units to ensure that our revised estimates were reasonable. Where appropriate, we adjusted and/or rounded our final estimates to take into consideration the fact that certain variables that impact on the number of payment units cannot yet be estimated with sufficient accuracy. These include an unknown number of waivers and/or exemptions that may occur in FY 2020 and the fact that, in many services, the number of actual licensees or station operators fluctuates from time to time due to economic, technical, or other reasons. When we note, for example, that our estimated FY 2020 payment units are based on FY 2019 actual payment units, it does not necessarily mean that our FY 2020 projection is exactly the same number as in FY 2019. We have either rounded the FY 2019 number or adjusted it slightly to account for these variables.

FEE CATEGORY	SOURCES OF PAYMENT UNIT ESTIMATES
Land Mobile (All), Microwave, Marine (Ship & Coast), Aviation (Aircraft & Ground), Domestic Public Fixed	Based on Wireless Telecommunications Bureau (WTB) projections of new applications and renewals taking into consideration existing Commission licensee data bases. Aviation (Aircraft) and Marine (Ship) estimates have been adjusted to take into consideration the licensing of portions of these services on a voluntary basis.
CMRS Cellular/Mobile Services	Based on WTB projection reports, and FY 2019 payment data.
CMRS Messaging Services	Based on WTB reports, and FY 2019 payment data.
AM/FM Radio Stations	Based on CDBS data, adjusted for exemptions, and actual FY 2019 payment units.
Digital TV Stations (Combined VHF/UHF units)	Based on LMS data, fee rate adjusted for exemptions, and population figures are calculated based on individual station parameters.
AM/FM/TV Construction Permits	Based on CDBS data, adjusted for exemptions, and actual FY 2019 payment units.
LPTV, Translators and Boosters, Class A Television	Based on LMS data, adjusted for exemptions, and actual FY 2019 payment units.
BRS (formerly	Based on WTB reports and actual FY 2019 payment units.

MDS/MMDS)LMDS	Based on WTB reports and actual FY 2019 payment units.
Cable Television Relay Service (CARS) Stations	Based on data from Media Bureau's COALS database and actual FY 2019 payment units.
Cable Television System Subscribers, Including IPTV Subscribers	Based on publicly available data sources for estimated subscriber counts and actual FY 2019 payment units.
Interstate Telecommunication Service Providers	Based on FCC Form 499-Q data for the four quarters of calendar year 2019, the Wireline Competition Bureau projected the amount of calendar year 2019 revenue that will be reported on the 2020 FCC Form 499-A worksheets due in April 2020.
Earth Stations	Based on International Bureau licensing data and actual FY 2019 payment units.
Space Stations (GSOs & NGSOs)	Based on International Bureau data reports and actual FY 2019 payment units.
International Bearer Circuits	Based on International Bureau reports and submissions by licensees, adjusted as necessary, and actual FY 2019 payment units.
Submarine Cable Licenses	Based on International Bureau license information, and actual FY 2019 payment units.

APPENDIX E**Factors, Measurements, and Calculations that Determine Station Signal Contours and Associated Population Coverages****AM Stations**

For stations with nondirectional daytime antennas, the theoretical radiation was used at all azimuths. For stations with directional daytime antennas, specific information on each day tower, including field ratio, phase, spacing, and orientation was retrieved, as well as the theoretical pattern root-mean-square of the radiation in all directions in the horizontal plane (RMS) figure (milliVolt per meter (mV/m) @ 1 km) for the antenna system. The standard, or augmented standard if pertinent, horizontal plane radiation pattern was calculated using techniques and methods specified in sections 73.150 and 73.152 of the Commission's rules. Radiation values were calculated for each of 360 radials around the transmitter site. Next, estimated soil conductivity data was retrieved from a database representing the information in FCC Figure R3. Using the calculated horizontal radiation values, and the retrieved soil conductivity data, the distance to the principal community (5 mV/m) contour was predicted for each of the 360 radials. The resulting distance to principal community contours were used to form a geographical polygon. Population counting was accomplished by determining which 2010 block centroids were contained in the polygon. (A block centroid is the center point of a small area containing population as computed by the U.S. Census Bureau.) The sum of the population figures for all enclosed blocks represents the total population for the predicted principal community coverage area.

FM Stations

The greater of the horizontal or vertical effective radiated power (ERP) (kW) and respective height above average terrain (HAAT) (m) combination was used. Where the antenna height above mean sea level (HAMSL) was available, it was used in lieu of the average HAAT figure to calculate specific HAAT figures for each of 360 radials under study. Any available directional pattern information was applied as well, to produce a radial-specific ERP figure. The HAAT and ERP figures were used in conjunction with the Field Strength (50-50) propagation curves specified in 47 CFR § 73.313 of the Commission's rules to predict the distance to the principal community (70 dBu (decibel above 1 microVolt per meter) or 3.17 mV/m) contour for each of the 360 radials. The resulting distance to principal community contours were used to form a geographical polygon. Population counting was accomplished by determining which 2010 block centroids were contained in the polygon. The sum of the population figures for all enclosed blocks represents the total population for the predicted principal community coverage area.

APPENDIX F

Satellite Charts for FY 2020 Regulatory Fees

U.S.-Licensed Space Stations

<u>LICENSEE</u>	<u>CALL SIGN</u>	<u>SATELLITE NAME</u>	<u>TYPE</u>
Astro Digital U.S., Inc.	S3014	LANDMAPPER-BC	NGSO
BlackSky Global, LLC	S3032	Global 1, 2, 3, & 4	NGSO
DG Consents Sub, Inc.	S2129	WORLDVIEW-LEGION	NGSO
DG Consents Sub, Inc.	S2348	WORLDVIEW-4	NGSO
DIRECTV Enterprises, LLC	S2922	SKY-B1	GSO
DIRECTV Enterprises, LLC	S2640	DIRECTV T11	GSO
DIRECTV Enterprises, LLC	S2711	DIRECTV RB-1	GSO
DIRECTV Enterprises, LLC	S2869	DIRECTV T14	GSO
DIRECTV Enterprises, LLC	S2132	DIRECTV T8(K)	GSO
DIRECTV Enterprises, LLC	S2632	DIRECTV T8(D)	GSO
DIRECTV Enterprises, LLC	S2669	DIRECTV T9S	GSO
DIRECTV Enterprises, LLC	S2641	DIRECTV T10	GSO
DIRECTV Enterprises, LLC	S2796	DIRECTV RB-2A	GSO
DIRECTV Enterprises, LLC	S2797	DIRECTV T12	GSO
DIRECTV Enterprises, LLC	S2930	DIRECTV T15	GSO
DIRECTV Enterprises, LLC	S2673	DIRECTV T5	GSO
DIRECTV Enterprises, LLC	S2455	DIRECTV T7S	GSO
DIRECTV Enterprises, LLC	S2133	SPACEWAY 2	GSO
DIRECTV Enterprises, LLC	S3039	DIRECTV T16	GSO
DISH Operating L.L.C.	S2931	EHOSTAR 18	GSO
DISH Operating L.L.C.	S2738	EHOSTAR 11	GSO
DISH Operating L.L.C.	S2694	EHOSTAR 10	GSO
DISH Operating L.L.C.	S2740	EHOSTAR 7	GSO
DISH Operating L.L.C.	S2790	EHOSTAR 14	GSO
EchoStar Satellite Operating Corporation	S2811	EHOSTAR 15	GSO
EchoStar Satellite Operating Corporation	S2844	EHOSTAR 16	GSO
EchoStar Satellite Operating Corporation	S2653	EHOSTAR 12	GSO
EchoStar Satellite Services L.L.C.	S2179	EHOSTAR 9	GSO
ES 172 LLC	S2610	EUTELSAT 174A	GSO
ES 172 LLC	S3021	EUTELSAT 172B	GSO
Globalstar License LLC	S2115	GLOBALSTAR	NGSO
HawkEye 360, Inc.	S3042	HAWKEYE	NGSO
Horizon-3 Satellite LLC	S2947	HORIZONS-3e	GSO
Hughes Network Systems, LLC	S2663	SPACEWAY 3	GSO
Hughes Network Systems, LLC	S2834	EHOSTAR 19	GSO
Hughes Network Systems, LLC	S2753	EHOSTAR XVII	GSO
Intelsat License LLC/ViaSat, Inc.	S2160	GALAXY 28	GSO

Intelsat License LLC, Debtor-in-Possession	S2414	INTELSAT 10-02	GSO
Intelsat License LLC, Debtor-in-Possession	S2972	INTELSAT 37e	GSO
Intelsat License LLC, Debtor-in-Possession	S2854	NSS-7	GSO
Intelsat License LLC, Debtor-in-Possession	S2409	INELSAT 905	GSO
Intelsat License LLC, Debtor-in-Possession	S2411	INTELSAT 907	GSO
Intelsat License LLC, Debtor-in-Possession	S2405	INTELSAT 901	GSO
Intelsat License LLC, Debtor-in-Possession	S2408	INTELSAT 904	GSO
Intelsat License LLC, Debtor-in-Possession	S2804	INTELSAT 25	GSO
Intelsat License LLC, Debtor-in-Possession	S2407	INTELSAT 903	GSO
Intelsat License LLC, Debtor-in-Possession	S2959	INTELSAT 35e	GSO
Intelsat License LLC, Debtor-in-Possession	S2237	INTELSAT 11	GSO
Intelsat License LLC, Debtor-in-Possession	S2785	INTELSAT 14	GSO
Intelsat License LLC, Debtor-in-Possession	S2913	INTELSAT 29E	GSO
Intelsat License LLC, Debtor-in-Possession	S2380	INTELSAT 9	GSO
Intelsat License LLC, Debtor-in-Possession	S2831	INTELSAT 23	GSO
Intelsat License LLC, Debtor-in-Possession	S2915	INTELSAT 34	GSO
Intelsat License LLC, Debtor-in-Possession	S2863	INTELSAT 21	GSO
Intelsat License LLC, Debtor-in-Possession	S2750	INTELSAT 16	GSO
Intelsat License LLC, Debtor-in-Possession	S2715	GALAXY 17	GSO
Intelsat License LLC, Debtor-in-Possession	S2154	GALAXY 25	GSO
Intelsat License LLC, Debtor-in-Possession	S2253	GALAXY 11	GSO
Intelsat License LLC, Debtor-in-Possession	S2381	GALAXY 3C	GSO
Intelsat License LLC, Debtor-in-Possession	S2887	INTELSAT 30	GSO
Intelsat License LLC, Debtor-in-Possession	S2924	INTELSAT 31	GSO
Intelsat License LLC, Debtor-in-Possession	S2647	GALAXY 19	GSO
Intelsat License LLC, Debtor-in-Possession	S2687	GALAXY 16	GSO
Intelsat License LLC, Debtor-in-Possession	S2733	GALAXY 18	GSO
Intelsat License LLC, Debtor-in-Possession	S2385	GALAXY 14	GSO
Intelsat License LLC, Debtor-in-Possession	S2386	GALAXY 13	GSO
Intelsat License LLC, Debtor-in-Possession	S2422	GALAXY 12	GSO
Intelsat License LLC, Debtor-in-Possession	S2387	GALAXY 15	GSO
Intelsat License LLC, Debtor-in-Possession	S2704	INTELSAT 5	GSO
Intelsat License LLC, Debtor-in-Possession	S2817	INTELSAT 18	GSO
Intelsat License LLC, Debtor-in-Possession	S2960	JCSAT-RA	GSO
Intelsat License LLC, Debtor-in-Possession	S2850	INTELSAT 19	GSO
Intelsat License LLC, Debtor-in-Possession	S2368	INTELSAT 1R	GSO
Intelsat License LLC, Debtor-in-Possession	S2988	TELKOM-2	GSO
Intelsat License LLC, Debtor-in-Possession	S2789	INTELSAT 15	GSO
Intelsat License LLC, Debtor-in-Possession	S2423	HORIZONS 2	GSO
Intelsat License LLC, Debtor-in-Possession	S2846	INTELSAT 22	GSO
Intelsat License LLC, Debtor-in-Possession	S2847	INTELSAT 20	GSO
Intelsat License LLC, Debtor-in-Possession	S2948	INTELSAT 36	GSO
Intelsat License LLC, Debtor-in-Possession	S2814	INTELSAT 17	GSO

Intelsat License LLC, Debtor-in-Possession	S2410	INTELSAT 906	GSO
Intelsat License LLC, Debtor-in-Possession	S2406	INTELSAT 902	GSO
Intelsat License LLC, Debtor-in-Possession	S2939	INTELSAT 33e	GSO
Intelsat License LLC, Debtor-in-Possession	S2382	INTELSAT 10	GSO
Intelsat License LLC, Debtor-in-Possession	S2751	NEW DAWN	GSO
Iridium Constellation LLC	S2110	IRIDIUM	NGSO
Leidos, Inc.	S2371	LM-RPS2	GSO
Ligado Networks Subsidiary, LLC	S2358	SKYTERRA-1	GSO
Ligado Networks Subsidiary, LLC	AMSC-1	MSAT-2	GSO
Novavision Group, Inc.	S2861	DIRECTV KU-79W	GSO
ORBCOMM License Corp.	S2103	ORBCOMM	NGSO
Planet Labs, Inc.	S2862	SKYSAT	NGSO
Planet Labs, Inc.	S2912	PLANET LABS FLOCK	NGSO
Satellite CD Radio LLC	S2812	FM-6	GSO
SES Americom, Inc.	S2415	NSS-10	GSO
SES Americom, Inc.	S2162	AMC-3	GSO
SES Americom, Inc.	S2347	AMC-6	GSO
SES Americom, Inc.	S2134	AMC-2	GSO
SES Americom, Inc.	S2826	SES-2	GSO
SES Americom, Inc.	S2807	SES-1	GSO
SES Americom, Inc.	S2892	SES-3	GSO
SES Americom, Inc.	S2180	AMC-15	GSO
SES Americom, Inc.	S2445	AMC-1	GSO
SES Americom, Inc.	S2135	AMC-4	GSO
SES Americom, Inc.	S2155	AMC-7	GSO
SES Americom, Inc.	S2713	AMC-18	GSO
SES Americom, Inc.	S2433	AMC-11	GSO
SES Americom, Inc./Alascom, Inc.	S2379	AMC-8	GSO
SES Americom, Inc./EchoStar Satellite Services L.L.C.	S2181	AMC-16	GSO
Sirius XM Radio Inc.	S2710	FM-5	GSO
Skynet Satellite Corporation	S2933	TELSTAR 12V	GSO
Skynet Satellite Corporation	S2357	TELSTAR 11N	GSO
Skynet Satellite Corporation	S2462	TELSTAR 12	GSO
Space Exploration Holdings, LLC	S2983/S3018	SPACEX Ku/Ka-BAND	NGSO
Spire Global, Inc.	S2946	LEMUR	NGSO
ViaSat, Inc.	S2747	VIASAT-1	GSO
XM Radio LLC	S2617	XM-3	GSO
XM Radio LLC	S2786	XM-5	GSO
XM Radio LLC	S2616	XM-4	GSO

Non-U.S.-Licensed Space Stations – Market Access Through Petition for Declaratory Ruling

<u>LICENSEE</u>	<u>CALL SIGN</u>	<u>SATELLITE COMMON NAME</u>	<u>SATELLITE TYPE</u>
ABS Global Ltd.	S2987	ABS-3A	GSO
DBSD Services Ltd	S2651	DBSD G1	GSO
Empresa Argentina de Soluciones Satelitales S.A.	S2956	ARSAT-2	GSO
European Telecommunications Satellite Organization	S2596	Atlantic Bird 2	GSO
European Telecommunications Satellite Organization	S3031	EUTELSAT 133 WEST A	GSO
Gamma Acquisition L.L.C.	S2633	TerreStar 1	GSO
Hispamar Satélites, S.A.	S2793	AMAZONAS-2	GSO
Hispamar Satélites, S.A.	S2886	AMAZONAS-3	GSO
Hispasat, S.A.	S2969	HISPASAT 30W-6	GSO
Horizons-1 Satellite LLC	S2970/S3049	HORIZONS-1	GSO
Inmarsat PLC	S2780	I2F1	GSO
Inmarsat PLC	S2932	Inmarsat-4 F3	GSO
Inmarsat PLC	S2949	Inmarsat-3 F5	GSO
Intelsat License LLC	S2592/S2868	Galaxy 23	GSO
Intelsat License LLC	S3058	HISPASAT 143W-1	GSO
Kepler Communications Inc.	S2981	KEPLER	NGSO
New Skies Satellites B.V.	S2756	NSS-9	GSO
New Skies Satellites B.V.	S2870	SES-6	GSO
New Skies Satellites B.V.	S3048	NSS-6	GSO
New Skies Satellites B.V.	S2463	NSS-7	GSO
New Skies Satellites B.V.	S2828	SES-4	GSO
New Skies Satellites B.V.	S2950	SES-10	GSO
O3B Ltd.	S2935	O3B	NGSO
Satelites Mexicanos, S.A. de C.V.	S2695	EUTELSAT 113 WEST A	GSO
Satelites Mexicanos, S.A. de C.V.	S2926	EUTELSAT 117 WEST B	GSO
Satelites Mexicanos, S.A. de C.V.	S2938	EUTELSAT 115 WEST B	GSO
Satelites Mexicanos, S.A. de C.V.	S2873	EUTELSAT 117 WEST A	GSO
SES Satellites (Gibraltar) Ltd.	S2676	AMC 21	GSO
SES Americom, Inc.	S3037	NSS-11	GSO
SES Americom, Inc.	S2964	SES-11	GSO
SES DTH do Brasil Ltda	S2974	SES-14	GSO
SES Satellites (Gibraltar) Ltd.	S2951	SES-15	GSO
Spire Global, Inc.	S3045	MINAS	NGSO
Star One S.A.	S2677	STAR ONE C1	GSO
Star One S.A.	S2678	STAR ONE C2	GSO
Star One S.A.	S2845	STAR ONE C3	GSO
Telesat Brasil Capacidade de Satelites Ltda.	S2821	ESTRELA DO SUL 2	GSO

Telesat Canada	S2674	ANIK F1R	GSO
Telesat Canada	S2745	ANIK F1	GSO
Telesat Canada	S2703	ANIK F3	GSO
Telesat Canada	S2646/S2472	ANIK F2	GSO
Telesat Canada	S2976	TELESAT Ku/Ka-BAND	NGSO
Telesat International Ltd.	S2955	TELSTAR 19 VANTAGE	GSO
Viasat, Inc.	S2902	VIASAT-2	GSO
WorldVu Satellites Ltd.	S2963	ONEWEB	NGSO

Non-U.S.-Licensed Space Stations - Market Access Through Earth Station Licenses

<u>ITU Name (if available)</u>	<u>Common Name</u>	<u>Call Sign</u>	<u>GSO/NGSO</u>
APSTAR VI	APSTAR 6	M292090	GSO
AUSSAT B 152E	OPTUS D2	M221170	GSO
CAN-BSS3 and CAN-BSS	EHOSTAR 23	SM1987	GSO
Ciel Satellite Group	Ciel-2	E050029	GSO
CIEL-6i	CIEL-6i	E140100	GSO
EHOSTAR 23	EHOSTAR 23	SM2975	GSO
EHOSTAR 8 (MEX)	EHOSTAR 8	NUS1108	GSO
Eutelsat 65 West A	Eutelsat 65 West A	E160081	GSO
EXACTVIEW-1	EXACTVIEW-1	SM2989	NGSO
INMARSAT 3F3	INMARSAT 3F3	E000284	GSO
INMARSAT 4F1	INMARSAT 4F1	KA25	GSO
JCSAT-2B	JCSAT-2B	M174163	GSO
NIMIQ 5	NIMIQ 5	E080107	GSO
MSAT-1	MSAT-1	E980179	GSO
QUETZSAT-1(MEX)	QUETZSAT-1	NUS1101	GSO
Superbird C2	Superbird C2	M334100	GSO
WILDBLUE-1	WILDBLUE-1	E040213	GSO
Yamal 300K	Yamal 300K	M174162	GSO

APPENDIX G

FY 2020 Full-Service Broadcast Television Stations by Call Sign

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
3246	KAAH-TV	955,391	879,906	\$6,896
18285	KAAL	589,502	568,169	\$4,453
11912	KAAS-TV	220,262	219,922	\$1,724
56528	KABB	2,474,296	2,456,689	\$19,253
282	KABC-TV*	17,540,791	16,957,292	\$132,894
1236	KACV-TV	372,627	372,330	\$2,918
33261	KADN-TV	877,965	877,965	\$6,881
8263	KAEF-TV	138,085	122,808	\$962
2728	KAET	4,217,217	4,184,386	\$32,793
2767	KAFT	1,204,376	1,122,928	\$8,800
62442	KAID	711,035	702,721	\$5,507
4145	KAIH-TV	188,810	165,396	\$1,296
67494	KAIL	1,967,744	1,948,341	\$15,269
13988	KAIT	861,149	845,812	\$6,629
40517	KAJB	383,886	383,195	\$3,003
65522	KAKE	803,937	799,254	\$6,264
804	KAKM	380,240	379,105	\$2,971
148	KAKW-DT	2,615,956	2,531,813	\$19,842
51598	KALB-TV	943,307	942,043	\$7,383
51241	KALO	948,683	844,503	\$6,618
40820	KAMC	391,526	391,502	\$3,068
8523	KAMR-TV	366,476	366,335	\$2,871
65301	KAMU-TV	346,892	342,455	\$2,684
2506	KAPP	319,797	283,944	\$2,225
3658	KARD	703,234	700,887	\$5,493
23079	KARE	3,924,944	3,907,483	\$30,623
33440	KARK-TV	1,212,038	1,196,196	\$9,375
37005	KARZ-TV	1,066,386	1,050,270	\$8,231
32311	KASA-TV	1,161,789	1,119,108	\$8,770
41212	KASN	1,175,627	1,159,721	\$9,089
7143	KASW	4,174,437	4,160,497	\$32,606
55049	KASY-TV	1,144,839	1,099,825	\$8,619
33471	KATC	1,348,897	1,348,897	\$10,571
13813	KATN	97,466	97,128	\$761
21649	KATU	2,978,043	2,845,632	\$22,301

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
33543	KATV	1,257,777	1,234,933	\$9,678
50182	KAUT-TV	1,637,333	1,636,330	\$12,824
6864	KAUZ-TV	381,671	379,435	\$2,974
73101	KAVU-TV	320,484	320,363	\$2,511
49579	KAWB	186,919	186,845	\$1,464
49578	KAWF	136,033	133,937	\$1,050
58684	KAYU-TV	809,464	750,766	\$5,884
29234	KAZA-TV	14,973,535	13,810,130	\$108,230
17433	KAZD	6,747,915	6,744,517	\$52,857
1151	KAZQ	1,097,010	1,084,327	\$8,498
35811	KAZT-TV	436,925	359,273	\$2,816
4148	KBAK-TV	1,510,400	1,263,910	\$9,905
16940	KBCA	479,260	479,219	\$3,756
53586	KBCB	1,256,193	1,223,883	\$9,592
69619	KBCW	8,020,424	6,962,363	\$54,564
22685	KBDI-TV*	4,042,177	3,683,394	\$28,867
56384	KBEH*	17,736,497	17,695,306	\$138,678
65395	KBFD-DT	953,207	834,341	\$6,539
169030	KBGS-TV	159,269	156,802	\$1,229
61068	KBHE-TV	140,860	133,082	\$1,043
48556	KBIM-TV	205,701	205,647	\$1,612
29108	KBIN-TV	912,921	911,725	\$7,145
33658	KBJR-TV	275,585	271,298	\$2,126
83306	KBLN-TV	297,384	134,927	\$1,057
63768	KBLR	1,964,979	1,915,859	\$15,015
53324	KBME-TV	123,571	123,485	\$968
10150	KBMT	743,009	742,369	\$5,818
22121	KBMY	119,993	119,908	\$940
49760	KBOI-TV*	715,191	708,374	\$5,552
55370	KBRR	149,869	149,868	\$1,175
66414	KBSD-DT	155,012	154,891	\$1,214
66415	KBSH-DT	102,781	100,433	\$787
19593	KBSI	752,366	751,025	\$5,886
66416	KBSL-DT	49,814	48,483	\$380
4939	KBSV	1,352,166	1,262,708	\$9,896
62469	KBTC-TV	3,697,981	3,621,965	\$28,385
61214	KBTU-TV	734,008	734,008	\$5,752
6669	KBTV-TV	4,048,516	4,047,275	\$31,718
35909	KBVO	1,498,015	1,312,360	\$10,285

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
58618	KBVU	135,249	120,827	\$947
6823	KBYU-TV	2,389,548	2,209,060	\$17,312
33756	KBZK	116,485	106,020	\$831
21422	KCAL-TV*	17,499,483	16,889,157	\$132,360
11265	KCAU-TV*	714,315	706,224	\$5,535
14867	KCBA	3,094,778	2,278,552	\$17,857
27507	KCBD	414,804	414,091	\$3,245
9628	KCBS-TV	17,853,152	16,656,778	\$130,539
49750	KCBY-TV	89,156	73,211	\$574
33710	KCCI	1,102,130	1,095,326	\$8,584
9640	KCCW-TV	284,280	276,935	\$2,170
63158	KCDO-TV	2,798,103	2,650,225	\$20,770
62424	KCDT	694,584	638,366	\$5,003
83913	KCEB	1,163,228	1,159,665	\$9,088
57219	KCEC	3,874,159	3,654,445	\$28,640
10245	KCEN-TV	1,795,767	1,757,018	\$13,770
13058	KCET	16,875,019	15,402,588	\$120,710
18079	KCFW-TV	148,162	129,122	\$1,012
132606	KCGE-DT	123,930	123,930	\$971
60793	KCHF	1,118,671	1,085,205	\$8,505
33722	KCIT	382,477	381,818	\$2,992
62468	KCKA	953,680	804,362	\$6,304
41969	KCLO-TV	138,413	132,157	\$1,036
47903	KCNC-TV	3,794,400	3,541,089	\$27,752
71586	KCNS	8,048,427	7,069,903	\$55,407
33742	KCOP-TV*	17,386,133	16,647,708	\$130,468
19117	KCOS	1,014,396	1,014,205	\$7,948
63165	KCOY-TV	664,655	459,468	\$3,601
86208	KCPM	90,266	90,266	\$707
33894	KCPQ	4,439,875	4,311,994	\$33,793
53843	KCPT	2,507,879	2,506,224	\$19,641
33875	KCRA-TV	10,612,483	6,500,774	\$50,947
9719	KCRG-TV*	1,136,762	1,107,130	\$8,677
60728	KCSD-TV	273,553	273,447	\$2,143
59494	KCSG	174,814	164,765	\$1,291
33749	KCTS-TV	4,177,824	4,115,603	\$32,254
41230	KCTV	2,547,456	2,545,645	\$19,950
58605	KCVU	630,068	616,068	\$4,828
10036	KCWC-DT	44,216	39,439	\$309

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
64444	KCWE	2,460,172	2,458,913	\$19,271
51502	KCWI-TV	1,043,811	1,042,642	\$8,171
42008	KCWO-TV	50,707	50,685	\$397
166511	KCWV	207,398	207,370	\$1,625
24316	KCWX*	3,961,268	3,954,787	\$30,994
68713	KCWY-DT	79,948	79,414	\$622
22201	KDAF	6,648,507	6,645,226	\$52,079
33764	KDBC-TV	1,015,564	1,015,162	\$7,956
79258	KDCK	43,088	43,067	\$338
166332	KDCU-DT	796,251	795,504	\$6,234
38375	KDEN-TV	3,376,799	3,351,182	\$26,263
17037	KDFI	6,684,439	6,682,487	\$52,371
33770	KDFW	6,658,976	6,656,502	\$52,167
29102	KDIN-TV	1,088,376	1,083,845	\$8,494
25454	KDKA-TV	3,611,796	3,450,690	\$27,043
60740	KDKF	71,413	64,567	\$506
4691	KDLH	263,422	260,394	\$2,041
41975	KDLO-TV	208,354	208,118	\$1,631
55379	KDLT-TV	639,284	628,281	\$4,924
55375	KDLV-TV	96,873	96,620	\$757
25221	KDMD	374,951	372,727	\$2,921
78915	KDMI	1,141,990	1,140,939	\$8,942
56524	KDNL-TV	2,987,219	2,982,311	\$23,372
24518	KDOC-TV*	17,503,793	16,701,233	\$130,888
1005	KDOR-TV	1,112,060	1,108,556	\$8,688
60736	KDRV	519,706	440,002	\$3,448
61064	KDSD-TV	64,314	59,635	\$467
53329	KDSE	42,896	41,432	\$325
56527	KDSM-TV	1,096,220	1,095,478	\$8,585
49326	KDTN	6,602,327	6,600,186	\$51,726
83491	KDTP	26,564	24,469	\$192
33778	KDTV-DT	7,921,124	6,576,672	\$51,541
67910	KDTX-TV	6,680,738	6,679,424	\$52,347
126	KDVR	3,430,717	3,394,796	\$26,605
18084	KECI-TV*	211,745	193,803	\$1,519
51208	KECY-TV	399,372	394,379	\$3,091
58408	KEDT	513,683	513,683	\$4,026
55435	KEET	177,313	159,960	\$1,254
41983	KELO-TV	705,364	646,126	\$5,064

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
34440	KEMO-TV	8,048,427	7,069,903	\$55,407
2777	KEMV	619,889	559,135	\$4,382
26304	KENS	2,544,094	2,529,382	\$19,823
63845	KENV-DT	47,220	40,677	\$319
18338	KENW	87,017	87,017	\$682
50591	KEPB-TV	576,964	523,655	\$4,104
56029	KEPR-TV	453,259	433,260	\$3,395
49324	KERA-TV	6,681,083	6,677,852	\$52,334
40878	KERO-TV	1,285,357	1,164,979	\$9,130
61067	KESD-TV	166,018	159,195	\$1,248
25577	KESQ-TV	1,334,172	572,057	\$4,483
50205	KETA-TV	1,702,441	1,688,227	\$13,231
62182	KETC	2,913,924	2,911,313	\$22,816
37101	KETD	3,098,889	3,058,327	\$23,968
2768	KETG	426,883	409,511	\$3,209
12895	KETH-TV	6,088,821	6,088,677	\$47,717
55643	KETK-TV	1,031,567	1,030,122	\$8,073
2770	KETS	1,185,111	1,166,796	\$9,144
53903	KETV	1,355,714	1,350,740	\$10,586
92872	KETZ	526,890	523,877	\$4,106
68853	KEYC-TV	544,900	531,079	\$4,162
33691	KEYE-TV	2,732,257	2,652,529	\$20,788
60637	KEYT-TV	1,419,564	1,239,577	\$9,715
83715	KEYU	339,348	339,302	\$2,659
34406	KEZI	1,113,171	1,065,880	\$8,353
34412	KFBB-TV	93,519	91,964	\$721
125	KFCT	795,114	788,747	\$6,181
51466	KFDA-TV	385,064	383,977	\$3,009
22589	KFDM	732,665	732,588	\$5,741
65370	KFDX-TV	381,703	381,318	\$2,988
49264	KFFV	3,783,380	3,717,323	\$29,133
12729	KFFX-TV	409,952	403,692	\$3,164
83992	KFJX	515,708	505,647	\$3,963
42122	KFMB-TV	3,947,735	3,699,981	\$28,997
53321	KFME	393,045	392,472	\$3,076
74256	KFNB	80,382	79,842	\$626
21613	KFNE	54,988	54,420	\$426
21612	KFNR	10,988	10,965	\$86
66222	KFOR-TV	1,616,459	1,615,614	\$12,662

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
33716	KFOX-TV	1,023,999	1,018,549	\$7,982
41517	KFPH-DT	347,579	282,838	\$2,217
81509	KFPX-TV	963,969	963,846	\$7,554
31597	KFQX	186,473	163,637	\$1,282
59013	KFRE-TV	1,721,275	1,705,484	\$13,366
51429	KFSF-DT	7,348,828	6,528,430	\$51,163
66469	KFSM-TV	906,728	884,919	\$6,935
8620	KFSN-TV	1,836,607	1,819,585	\$14,260
29560	KFTA-TV	818,859	809,173	\$6,341
83714	KFTC	61,990	61,953	\$486
60537	KFTH-DT	6,080,688	6,080,373	\$47,652
60549	KFTR-DT	17,560,679	16,305,726	\$127,788
61335	KFTS	74,936	65,126	\$510
81441	KFTU-DT	113,876	109,731	\$860
34439	KFTV-DT	1,807,731	1,793,418	\$14,055
36917	KFVE	953,895	851,585	\$6,674
592	KFVS-TV	810,574	782,713	\$6,134
29015	KFWD	6,610,836	6,598,496	\$51,712
35336	KFXA	875,538	874,070	\$6,850
17625	KFXB-TV	373,280	368,466	\$2,888
70917	KFXK-TV	934,043	931,791	\$7,302
84453	KFXL-TV	361,632	361,097	\$2,830
41427	KFYR-TV	130,881	128,301	\$1,005
25685	KGAN	1,083,213	1,057,597	\$8,288
34457	KGBT-TV	1,230,798	1,230,791	\$9,646
52593	KGBY	270,089	218,544	\$1,713
7841	KGCW	888,054	886,499	\$6,947
24485	KGEB	1,186,225	1,150,201	\$9,014
34459	KGET-TV	917,927	874,332	\$6,852
53320	KGFE	114,564	114,564	\$898
7894	KGIN	230,535	228,338	\$1,789
83945	KGLA-DT	1,645,641	1,645,641	\$12,897
34445	KGMB	953,398	851,088	\$6,670
23302	KGMC	1,824,786	1,803,796	\$14,136
36914	KGMD-TV	94,323	93,879	\$736
36920	KG MV	193,564	162,230	\$1,271
10061	KGNS-TV	267,236	259,548	\$2,034
34470	KGO-TV	8,283,429	7,623,657	\$59,747
56034	KGPE	1,699,131	1,682,082	\$13,182

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
81694	KGFX-TV	685,626	624,955	\$4,898
25511	KGTF	161,885	160,568	\$1,258
40876	KGTV	3,960,667	3,682,219	\$28,858
36918	KGUN-TV*	1,398,527	1,212,484	\$9,502
34874	KGW	3,058,216	2,881,387	\$22,581
63177	KGWC-TV	80,475	80,009	\$627
63162	KGWL-TV	38,125	38,028	\$298
63166	KGWN-TV	469,467	440,388	\$3,451
63170	KGWR-TV	51,315	50,957	\$399
4146	KHAW-TV	95,204	94,851	\$743
34846	KHBC-TV	74,884	74,884	\$587
60353	KHBS	631,770	608,052	\$4,765
27300	KHCE-TV	2,353,883	2,348,391	\$18,404
26431	KHET	959,060	944,568	\$7,403
21160	KHGI-TV	233,973	229,173	\$1,796
29085	KHIN	1,041,244	1,039,383	\$8,146
17688	KHME	181,345	179,706	\$1,408
47670	KHMT	175,601	170,957	\$1,340
47987	KHNE-TV	203,931	202,944	\$1,590
34867	KHNL	953,398	851,088	\$6,670
60354	KHOG-TV	765,360	702,984	\$5,509
4144	KHON-TV	953,207	886,431	\$6,947
34529	KHOU*	6,083,336	6,081,785	\$47,663
4690	KHQA-TV	318,469	316,134	\$2,478
34537	KHQ-TV	822,371	774,821	\$6,072
30601	KHRR	1,227,847	1,166,890	\$9,145
34348	KHSD-TV	188,735	185,202	\$1,451
24508	KHSL-TV	625,904	608,850	\$4,772
69677	KHSV*	2,059,794	2,020,045	\$15,831
64544	KHVO	94,226	93,657	\$734
23394	KIAH	6,099,694	6,099,297	\$47,800
34564	KICU-TV	8,233,041	7,174,316	\$56,225
56028	KIDK	305,509	302,535	\$2,371
58560	KIDY	116,614	116,596	\$914
53382	KIEM-TV	174,390	160,801	\$1,260
66258	KIFI-TV*	324,422	320,118	\$2,509
10188	KIII	569,864	566,796	\$4,442
29095	KIIN	1,365,215	1,335,707	\$10,468
34527	KIKU	953,896	850,963	\$6,669

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
63865	KILM	17,256,205	15,804,489	\$123,860
56033	KIMA-TV	308,604	260,593	\$2,042
66402	KIMT	654,083	643,384	\$5,042
67089	KINC	2,002,066	1,920,903	\$15,054
34847	KING-TV	4,063,674	4,018,832	\$31,496
51708	KINT-TV	1,015,582	1,015,274	\$7,957
26249	KION-TV	2,400,317	855,808	\$6,707
62427	KIPT	171,405	170,455	\$1,336
66781	KIRO-TV	4,058,846	4,027,262	\$31,562
62430	KISU-TV	311,827	307,651	\$2,411
12896	KITU-TV	712,362	712,362	\$5,583
64548	KITV	953,207	839,906	\$6,582
59255	KIVI-TV	710,819	702,619	\$5,506
47285	KIXE-TV*	467,518	428,118	\$3,355
13792	KJJC-TV	82,749	81,865	\$642
14000	KJLA	17,929,100	16,794,896	\$131,622
20015	KJNP-TV	98,403	98,097	\$769
53315	KJRE	16,187	16,170	\$127
59439	KJRH-TV	1,416,108	1,397,311	\$10,951
55364	KJRR	45,515	44,098	\$346
42640	KJRW	137,375	126,743	\$993
7675	KJTL	379,594	379,263	\$2,972
55031	KJTV-TV	406,283	406,260	\$3,184
13814	KJUD	31,229	30,106	\$236
36607	KJZZ-TV	2,388,054	2,204,525	\$17,277
83180	KKAI	955,203	941,214	\$7,376
58267	KKAP	957,786	923,172	\$7,235
24766	KKCO	206,018	172,628	\$1,353
35097	KKJB	629,939	624,784	\$4,896
22644	KKPX-TV	7,902,064	6,849,907	\$53,683
35037	KKTV	2,795,275	2,293,502	\$17,974
35042	KLAS-TV	2,094,297	1,940,030	\$15,204
52907	KLAX-TV	367,212	366,839	\$2,875
3660	KLBK-TV	387,783	387,743	\$3,039
65523	KLBY	34,288	34,279	\$269
38430	KLCS	16,875,019	15,402,588	\$120,710
77719	KLCW-TV	381,889	381,816	\$2,992
51479	KLDO-TV	250,832	250,832	\$1,966
37105	KLEI	175,045	138,087	\$1,082

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
56032	KLEW-TV	164,908	148,256	\$1,162
35059	KLFY-TV	1,355,890	1,355,409	\$10,622
54011	KLJB	960,055	947,716	\$7,427
11264	KLKN	932,757	895,101	\$7,015
47975	KLNE-TV	120,338	120,277	\$943
38590	KLPA-TV	414,699	414,447	\$3,248
38588	KLPB-TV	749,053	749,053	\$5,870
749	KLRN	2,374,472	2,353,440	\$18,444
11951	KLRT-TV	1,171,678	1,152,541	\$9,032
8564	KLRU	2,614,658	2,575,518	\$20,184
8322	KLSR-TV	564,415	508,157	\$3,982
31114	KLST	199,067	169,551	\$1,329
24436	KLTJ	6,034,131	6,033,867	\$47,287
38587	KLTL-TV	423,574	423,574	\$3,320
38589	KLTM-TV	694,280	688,915	\$5,399
38591	KLTS-TV	883,661	882,589	\$6,917
68540	KLTV	1,069,690	1,051,361	\$8,240
12913	KLUJ-TV	1,195,751	1,195,751	\$9,371
57220	KLUZ-TV	1,079,718	1,019,302	\$7,988
11683	KLVX	2,044,150	1,936,083	\$15,173
82476	KLWB	1,065,748	1,065,748	\$8,352
40250	KLWY	541,043	538,231	\$4,218
64551	KMAU	213,060	188,953	\$1,481
51499	KMAX-TV	10,644,556	6,974,200	\$54,657
65686	KMBC-TV	2,507,895	2,506,661	\$19,645
56079	KMBH	1,225,732	1,225,732	\$9,606
35183	KMCB	69,357	66,203	\$519
41237	KMCC	2,064,592	2,010,262	\$15,754
42636	KMCI-TV	2,429,392	2,428,626	\$19,033
38584	KMCT-TV	267,004	266,880	\$2,092
22127	KMCY	71,797	71,793	\$563
162016	KMDE	35,409	35,401	\$277
26428	KMEB	221,810	203,470	\$1,595
39665	KMEG	708,748	704,130	\$5,518
35123	KMEX-DT	17,628,354	16,318,720	\$127,890
40875	KMGH-TV	3,815,253	3,574,365	\$28,012
35131	KMID	383,449	383,439	\$3,005
16749	KMIR-TV	2,760,914	730,764	\$5,727
63164	KMIZ	550,860	548,402	\$4,298

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
53541	KMLM-DT	293,290	293,290	\$2,299
52046	KMLU	711,951	708,107	\$5,549
47981	KMNE-TV	47,232	44,189	\$346
24753	KMOH-TV	199,885	184,283	\$1,444
4326	KMOS-TV	804,745	803,129	\$6,294
41425	KMOT	81,517	79,504	\$623
70034	KMOV	3,035,077	3,029,405	\$23,741
51488	KMPH-TV	1,725,397	1,697,871	\$13,306
73701	KMPX	6,678,829	6,674,706	\$52,310
44052	KMSB	1,321,614	1,039,442	\$8,146
68883	KMSP-TV	3,832,040	3,805,141	\$29,821
12525	KMSS-TV	1,068,120	1,066,388	\$8,357
43095	KMTP-TV	5,097,701	4,378,276	\$34,313
35189	KMTR	589,948	520,666	\$4,080
35190	KMTV-TV	1,346,549	1,344,796	\$10,539
77063	KMTW	761,521	761,516	\$5,968
35200	KMVT	184,647	176,351	\$1,382
32958	KMVU-DT	308,150	231,506	\$1,814
86534	KMYA-DT	200,764	200,719	\$1,573
51518	KMYS	2,273,888	2,267,913	\$17,774
54420	KMYT-TV	1,314,197	1,302,378	\$10,207
35822	KMYU	133,563	130,198	\$1,020
993	KNAT-TV	1,157,630	1,124,619	\$8,814
24749	KNAZ-TV	332,321	227,658	\$1,784
47906	KNBC	17,859,647	16,555,232	\$129,743
81464	KNBN	145,493	136,995	\$1,074
9754	KNCT	2,247,724	2,233,513	\$17,504
82611	KNDB	118,154	118,122	\$926
82615	KNDM	72,216	72,209	\$566
12395	KNDO	314,875	270,892	\$2,123
12427	KNDU	475,612	462,556	\$3,625
17683	KNEP	101,389	95,890	\$751
48003	KNHL	277,777	277,308	\$2,173
125710	KNIC-DT	2,398,296	2,383,294	\$18,678
59363	KNIN-TV*	708,289	703,838	\$5,516
48525	KNLC	2,944,530	2,939,956	\$23,040
48521	KNLJ	655,000	642,705	\$5,037
84215	KNMD-TV	1,120,286	1,100,869	\$8,628
55528	KNME-TV	1,149,036	1,103,695	\$8,650

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
47707	KNMT	2,887,142	2,794,995	\$21,904
48975	KNOE-TV	733,097	729,703	\$5,719
49273	KNOP-TV	87,904	85,423	\$669
10228	KNPB	604,614	462,732	\$3,626
55362	KNRR	25,957	25,931	\$203
35277	KNSD	3,861,660	3,618,321	\$28,357
19191	KNSN-TV	611,981	459,485	\$3,601
58608	KNSO*	1,976,317	1,931,825	\$15,140
35280	KNTV	8,022,662	7,168,995	\$56,183
144	KNVA	2,550,225	2,529,184	\$19,821
33745	KNVN	495,403	464,031	\$3,637
69692	KNVO	1,241,165	1,241,165	\$9,727
29557	KNWA-TV	815,678	796,488	\$6,242
16950	KNXT	2,166,688	2,116,003	\$16,583
59440	KNXV-TV	4,183,943	4,173,022	\$32,704
59014	KOAA-TV	1,391,946	1,087,809	\$8,525
50588	KOAB-TV	207,070	203,371	\$1,594
50590	KOAC-TV	1,957,282	1,543,401	\$12,096
58552	KOAM-TV	595,307	584,921	\$4,584
53928	KOAT-TV*	1,132,372	1,105,116	\$8,661
35313	KOB	1,152,841	1,113,162	\$8,724
35321	KOBF	201,911	166,177	\$1,302
8260	KOBI*	562,463	519,063	\$4,068
62272	KOBR	211,709	211,551	\$1,658
50170	KOCB	1,629,783	1,629,152	\$12,768
4328	KOCE-TV	17,447,903	16,331,792	\$127,992
84225	KOCM	1,434,325	1,433,605	\$11,235
12508	KOCO-TV	1,716,569	1,708,085	\$13,386
83181	KOCW	83,807	83,789	\$657
18283	KODE-TV	740,156	731,512	\$5,733
66195	KOED-TV*	1,497,297	1,459,833	\$11,441
50198	KOET	658,606	637,640	\$4,997
51189	KOFY-TV	5,097,701	4,378,276	\$34,313
34859	KOGG	190,829	161,310	\$1,264
166534	KOHD	201,310	197,662	\$1,549
35380	KOIN	2,983,136	2,851,968	\$22,351
35388	KOKH-TV	1,627,116	1,625,246	\$12,737
11910	KOKI-TV	1,366,220	1,352,227	\$10,597
48663	KOLD-TV	1,216,228	887,754	\$6,957

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
7890	KOLN	1,225,400	1,190,178	\$9,327
63331	KOLO-TV	959,178	826,985	\$6,481
28496	KOLR	1,076,144	1,038,613	\$8,140
21656	KOMO-TV	4,123,984	4,078,485	\$31,963
65583	KOMU-TV	551,658	542,544	\$4,252
35396	KONG	4,006,008	3,985,271	\$31,233
60675	KOOD	113,416	113,285	\$888
50589	KOPB-TV	3,059,231	2,875,815	\$22,538
2566	KOPX-TV	1,501,110	1,500,883	\$11,762
64877	KORO	560,983	560,983	\$4,396
6865	KOSA-TV	340,978	338,070	\$2,649
34347	KOTA-TV	174,876	152,861	\$1,198
8284	KOTI	298,175	97,132	\$761
35434	KOTV-DT	1,417,675	1,403,021	\$10,995
56550	KOVR	10,759,811	7,100,710	\$55,648
51101	KOZJ	429,982	427,991	\$3,354
51102	KOZK	836,532	825,077	\$6,466
3659	KOZL-TV	992,495	963,281	\$7,549
35455	KPAX-TV	206,895	193,201	\$1,514
67868	KPAZ-TV	4,190,080	4,176,323	\$32,730
6124	KPBS	3,584,237	3,463,189	\$27,141
50044	KPBT-TV	340,080	340,080	\$2,665
77452	KPCB-DT	30,861	30,835	\$242
35460	KPDX	2,970,703	2,848,423	\$22,323
12524	KPEJ-TV	368,212	368,208	\$2,886
41223	KPHO-TV	4,195,073	4,175,139	\$32,721
61551	KPIC	156,687	105,807	\$829
86205	KPIF	255,766	250,517	\$1,963
25452	KPIX-TV	8,340,753	7,480,594	\$58,625
58912	KPJK	7,672,473	6,652,674	\$52,137
166510	KPJR-TV	3,402,088	3,372,831	\$26,433
13994	KPLC	1,406,085	1,403,853	\$11,002
41964	KPLO-TV	55,827	52,765	\$414
35417	KPLR-TV	2,968,619	2,965,673	\$23,242
12144	KPMR	1,731,370	1,473,251	\$11,546
47973	KPNE-TV	92,675	89,021	\$698
35486	KPNX	4,215,834	4,184,428	\$32,793
77512	KPNZ	2,394,311	2,208,707	\$17,310
73998	KPOB-TV	144,525	143,656	\$1,126

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
26655	KPPX-TV	4,186,998	4,171,450	\$32,692
53117	KPRC-TV	6,099,422	6,099,076	\$47,798
48660	KPRY-TV	42,521	42,426	\$332
61071	KPSD-TV	19,886	18,799	\$147
53544	KPTB-DT	322,780	320,646	\$2,513
81445	KPTF-DT	84,512	84,512	\$662
77451	KPTH	660,556	655,373	\$5,136
51491	KPTM	1,414,998	1,414,014	\$11,082
33345	KPTS	832,000	827,866	\$6,488
50633	KPTV	2,998,460	2,847,263	\$22,314
82575	KPTW	80,374	80,012	\$627
1270	KPVI-DT	271,379	264,204	\$2,071
58835	KPXB-TV	6,062,472	6,062,271	\$47,510
68695	KPXC-TV	3,362,518	3,341,951	\$26,191
68834	KPXD-TV	6,555,157	6,553,373	\$51,359
33337	KPXE-TV	2,437,178	2,436,024	\$19,091
5801	KPXG-TV	3,026,219	2,882,598	\$22,591
81507	KPXJ	1,138,632	1,135,626	\$8,900
61173	KPXL-TV	2,257,007	2,243,520	\$17,582
35907	KPXM-TV	3,507,312	3,506,503	\$27,480
58978	KPXN-TV	17,256,205	15,804,489	\$123,860
77483	KPXO-TV	953,329	913,341	\$7,158
21156	KPXR-TV	828,915	821,250	\$6,436
10242	KQCA	9,931,378	5,931,341	\$46,484
41430	KQCD-TV	35,623	33,415	\$262
18287	KQCK	3,220,160	3,162,711	\$24,786
78322	KQCW-DT	1,128,198	1,123,324	\$8,803
35525	KQDS-TV	305,747	302,246	\$2,369
35500	KQED	8,195,398	7,283,828	\$57,083
35663	KQEH	8,195,398	7,283,828	\$57,083
8214	KQET	2,981,040	2,076,157	\$16,271
5471	KQIN	596,371	596,277	\$4,673
17686	KQME	188,783	184,719	\$1,448
61063	KQSD-TV	32,526	31,328	\$246
8378	KQSL*	196,316	133,564	\$1,047
20427	KQTV	1,494,987	1,401,160	\$10,981
78921	KQUP	697,016	551,824	\$4,325
306	KRBC-TV	229,395	229,277	\$1,797
166319	KRBK	983,888	966,187	\$7,572

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
22161	KRCA*	17,540,791	16,957,292	\$132,894
57945	KRCB	5,320,127	4,552,911	\$35,681
41110	KRCG	684,989	662,418	\$5,191
8291	KRCR-TV*	423,000	402,594	\$3,155
10192	KRCW-TV	2,966,577	2,842,523	\$22,277
49134	KRDK-TV	349,941	349,915	\$2,742
52579	KRDO-TV	2,622,603	2,272,383	\$17,809
70578	KREG-TV	149,306	95,141	\$746
34868	KREM	817,619	752,113	\$5,894
51493	KREN-TV	810,039	681,212	\$5,339
70596	KREX-TV	145,700	145,606	\$1,141
70579	KREY-TV	74,963	65,700	\$515
48589	KREZ-TV	148,079	105,121	\$824
43328	KRGV-TV	1,247,057	1,247,029	\$9,773
82698	KRII	133,840	132,912	\$1,042
29114	KRIN	949,313	923,735	\$7,239
25559	KRIS-TV	561,825	561,718	\$4,402
22204	KRIV	6,078,936	6,078,846	\$47,640
14040	KRMA-TV	3,722,512	3,564,949	\$27,939
14042	KRMJ	174,094	159,511	\$1,250
20476	KRMT	2,956,144	2,864,236	\$22,447
84224	KRMU	85,274	72,499	\$568
20373	KRMZ	36,293	33,620	\$263
47971	KRNE-TV	47,473	38,273	\$300
60307	KRNV-DT	981,687	825,465	\$6,469
65526	KRON-TV	8,050,508	7,087,419	\$55,544
53539	KRPV-DT	65,943	65,943	\$517
48575	KRQE*	1,135,461	1,105,093	\$8,661
57431	KRSU-TV	1,000,289	998,310	\$7,824
82613	KRTN-TV	96,062	74,452	\$583
35567	KRTV	92,687	90,846	\$712
84157	KRWB-TV	111,538	110,979	\$870
35585	KRWF	85,596	85,596	\$671
55516	KRWG-TV	894,492	661,703	\$5,186
48360	KRXI-TV	725,391	548,865	\$4,301
307	KSAN-TV	135,063	135,051	\$1,058
11911	KSAS-TV	752,513	752,504	\$5,897
53118	KSAT-TV	2,530,706	2,495,317	\$19,556
35584	KSAX	365,209	365,209	\$2,862

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35587	KSAZ-TV*	4,203,126	4,178,448	\$32,746
38214	KSBI	1,577,231	1,575,865	\$12,350
19653	KSBW	5,083,461	4,429,165	\$34,711
19654	KSBI	535,029	495,562	\$3,884
82910	KSCC	502,915	502,915	\$3,941
10202	KSCE	1,015,148	1,010,581	\$7,920
35608	KSCI	17,447,903	16,331,792	\$127,992
72348	KSCW-DT	915,691	910,511	\$7,136
46981	KSDK	2,986,764	2,979,035	\$23,347
35594	KSEE	1,749,448	1,732,516	\$13,578
48658	KSFY-TV	670,536	607,844	\$4,764
17680	KSGW-TV	62,178	57,629	\$452
59444	KSHB-TV	2,432,205	2,431,273	\$19,054
73706	KSHV-TV	943,947	942,978	\$7,390
29096	KSIN-TV	340,143	338,811	\$2,655
664	KSIX-TV	82,902	73,553	\$576
35606	KSKN	731,818	643,590	\$5,044
70482	KSLA	1,009,108	1,008,281	\$7,902
6359	KSL-TV	2,390,742	2,206,920	\$17,296
71558	KSMN	320,813	320,808	\$2,514
33336	KSMO-TV	2,401,201	2,398,686	\$18,799
28510	KSMQ-TV	524,391	507,983	\$3,981
35611	KSMS-TV	1,589,263	882,948	\$6,920
21161	KSNB-TV	658,560	656,650	\$5,146
72359	KSNC	174,135	173,744	\$1,362
67766	KSNF	621,919	617,868	\$4,842
72361	KSNG	145,058	144,822	\$1,135
72362	KSNK	48,715	45,414	\$356
67335	KSNT	622,818	594,604	\$4,660
10179	KSNV	1,967,781	1,919,296	\$15,042
72358	KSNW	789,136	788,882	\$6,182
61956	KSPS-TV*	819,101	769,852	\$6,033
52953	KSPX-TV	6,745,180	4,966,590	\$38,923
166546	KSQA	382,328	374,290	\$2,933
53313	KSRE	75,181	75,181	\$589
35843	KSTC-TV	3,843,788	3,835,674	\$30,060
63182	KSTF	51,317	51,122	\$401
28010	KSTP-TV	3,788,898	3,782,053	\$29,640
60534	KSTR-DT	6,617,736	6,615,573	\$51,846

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64987	KSTS	7,645,340	6,333,303	\$49,634
22215	KSTU	2,384,996	2,201,716	\$17,255
23428	KSTW	4,265,956	4,186,266	\$32,808
5243	KSVI	175,390	173,667	\$1,361
58827	KSWB-TV	3,677,190	3,488,655	\$27,341
60683	KSWK	79,012	78,784	\$617
35645	KSWO-TV	483,132	458,057	\$3,590
74449	KSWT	398,681	393,135	\$3,081
61350	KSYS	519,209	443,204	\$3,473
59988	KTAB-TV	270,967	268,579	\$2,105
999	KTAJ-TV	2,343,843	2,343,227	\$18,364
35648	KTAL-TV	1,094,332	1,092,958	\$8,566
12930	KTAS	471,882	464,149	\$3,638
81458	KTAZ	4,182,503	4,160,481	\$32,606
35649	KTBC	3,242,215	2,956,614	\$23,171
67884	KTBN-TV	17,795,677	16,510,302	\$129,391
67999	KTBO-TV	1,585,283	1,583,664	\$12,411
35652	KTBS-TV	1,163,228	1,159,665	\$9,088
28324	KTBU	6,035,927	6,035,725	\$47,302
67950	KTBW-TV	4,202,104	4,113,420	\$32,237
35655	KTBY	348,080	346,562	\$2,716
68594	KTCA-TV	3,693,877	3,684,081	\$28,872
68597	KTCI-TV	3,606,606	3,597,183	\$28,191
35187	KTCW	100,392	83,777	\$657
36916	KTDO	1,015,336	1,010,771	\$7,921
2769	KTEJ	419,750	417,368	\$3,271
83707	KTEL-TV	53,423	53,414	\$419
35666	KTEN	566,422	564,096	\$4,421
24514	KTFD-TV	3,210,669	3,172,543	\$24,863
35512	KTFF-DT	2,225,169	2,203,398	\$17,268
20871	KTFK-DT	6,969,307	5,211,719	\$40,844
68753	KTFN	1,017,335	1,013,157	\$7,940
35084	KTFQ-TV	1,151,433	1,117,061	\$8,754
29232	KTGM	159,358	159,091	\$1,247
2787	KTHV*	1,275,062	1,246,348	\$9,768
29100	KTIN	281,096	279,385	\$2,190
66170	KTIV	751,089	746,274	\$5,849
49397	KTKA-TV	567,958	566,406	\$4,439
35670	KTLA	18,156,910	16,870,262	\$132,212

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
62354	KTLM	1,014,202	1,014,186	\$7,948
49153	KTLN-TV	5,209,087	4,490,249	\$35,190
64984	KTMD	6,095,741	6,095,606	\$47,771
14675	KTMF	187,251	168,526	\$1,321
10177	KTMW	2,261,671	2,144,791	\$16,809
21533	KTNC-TV	8,048,427	7,069,903	\$55,407
47996	KTNE-TV	100,341	95,324	\$747
60519	KTNL-TV	8,642	8,642	\$68
74100	KTNV-TV	2,094,506	1,936,752	\$15,178
71023	KTNW	450,926	432,398	\$3,389
8651	KTOO-TV	31,269	31,176	\$244
7078	KTPX-TV	1,066,196	1,063,754	\$8,337
68541	KTRE	441,879	421,406	\$3,303
35675	KTRK-TV	6,114,259	6,112,870	\$47,907
28230	KTRV-TV	714,833	707,557	\$5,545
69170	KTSC	3,124,536	2,949,795	\$23,118
61066	KTSD-TV	83,645	82,828	\$649
37511	KTSF	7,921,124	6,576,672	\$51,541
67760	KTSM-TV	1,015,348	1,011,264	\$7,925
35678	KTTC	815,213	731,919	\$5,736
28501	KTTM	76,133	73,664	\$577
11908	KTTU	1,324,801	1,060,613	\$8,312
22208	KTTV*	17,380,551	16,693,085	\$130,824
28521	KTTW	329,557	326,309	\$2,557
65355	KTTZ-TV	380,240	380,225	\$2,980
35685	KTUL	1,416,959	1,388,183	\$10,879
10173	KTUU-TV	380,240	379,047	\$2,971
77480	KTUZ-TV	1,668,531	1,666,026	\$13,057
49632	KTVA	342,517	342,300	\$2,683
34858	KTVB*	714,865	707,882	\$5,548
31437	KTVC	137,239	100,204	\$785
68581	KTVD	3,800,970	3,547,607	\$27,803
35692	KTVE	641,139	640,201	\$5,017
49621	KTVF	98,068	97,929	\$767
5290	KTVH-DT	228,832	184,264	\$1,444
35693	KTVI	2,979,889	2,976,494	\$23,327
40993	KTVK	4,184,825	4,173,024	\$32,704
22570	KTVL	415,327	358,979	\$2,813
18066	KTVM-TV*	260,105	217,694	\$1,706

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
59139	KTVN*	955,490	800,420	\$6,273
21251	KTVO	148,780	148,647	\$1,165
35694	KTVQ	179,797	173,271	\$1,358
50592	KTVR	147,808	54,480	\$427
23422	KTVT	6,912,366	6,908,715	\$54,144
35703	KTVU	7,913,996	6,825,643	\$53,493
35705	KTVW-DT	4,173,111	4,159,807	\$32,600
68889	KTVX	2,389,392	2,200,520	\$17,245
55907	KTVZ	201,828	198,558	\$1,556
18286	KTWO-TV	80,426	79,905	\$626
70938	KTWU	1,703,798	1,562,305	\$12,244
51517	KTXA	6,876,811	6,873,221	\$53,865
42359	KTXD-TV	6,706,651	6,704,781	\$52,545
51569	KTXH	6,092,710	6,092,525	\$47,747
10205	KTXL	7,355,088	5,411,484	\$42,410
308	KTXS-TV	247,603	246,760	\$1,934
69315	KUAC-TV	98,717	98,189	\$770
51233	KUAM-TV	159,358	159,358	\$1,249
2722	KUAS-TV	994,802	977,391	\$7,660
2731	KUAT-TV	1,485,024	1,253,342	\$9,822
60520	KUBD	14,817	13,363	\$105
70492	KUBE-TV	6,090,970	6,090,817	\$47,734
1136	KUCW	2,388,889	2,199,787	\$17,240
69396	KUED	2,388,995	2,203,093	\$17,266
69582	KUEN	2,364,481	2,184,483	\$17,120
82576	KUES	30,925	25,978	\$204
82585	KUEW	132,168	120,411	\$944
66611	KUFM-TV	187,680	166,697	\$1,306
169028	KUGF-TV	86,622	85,986	\$674
68717	KUHM-TV	154,836	145,241	\$1,138
69269	KUHT*	6,090,213	6,089,665	\$47,725
62382	KUID-TV	432,855	284,023	\$2,226
169027	KUKL-TV	124,505	115,844	\$908
35724	KULR-TV	177,242	170,142	\$1,333
41429	KUMV-TV	41,607	41,224	\$323
81447	KUNP	130,559	43,472	\$341
4624	KUNS-TV	4,023,436	4,002,433	\$31,367
86532	KUOK	28,974	28,945	\$227
66589	KUON-TV	1,375,257	1,360,005	\$10,658

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
86263	KUPB	318,914	318,914	\$2,499
65535	KUPK	149,642	148,180	\$1,161
27431	KUPT	87,602	87,602	\$687
89714	KUPU	956,178	948,005	\$7,430
57884	KUPX-TV	2,374,672	2,191,229	\$17,173
23074	KUSA	3,803,461	3,561,587	\$27,912
61072	KUSD-TV	460,480	460,277	\$3,607
10238	KUSI-TV	3,572,818	3,435,670	\$26,925
43567	KUSM-TV	115,864	106,398	\$834
69694	KUTF	1,210,774	1,031,870	\$8,087
81451	KUTH-DT	2,219,788	2,027,174	\$15,887
68886	KUTP	4,191,015	4,176,014	\$32,727
35823	KUTV	2,388,211	2,192,182	\$17,180
63927	KUVE-DT	1,294,971	964,396	\$7,558
7700	KUVI-DT	1,204,490	1,009,943	\$7,915
35841	KUVN-DT	6,680,126	6,678,157	\$52,337
58609	KUVS-DT	4,043,413	4,005,657	\$31,392
49766	KVAL-TV	1,016,673	866,173	\$6,788
32621	KVAW	76,153	76,153	\$597
58795	KVCR-DT*	18,215,524	17,467,140	\$136,890
35846	KVCT	288,221	287,446	\$2,253
10195	KVCW	1,967,550	1,918,811	\$15,038
64969	KVDA	2,400,582	2,391,810	\$18,745
19783	KVEA	17,423,429	16,146,250	\$126,538
12523	KVEO-TV	1,244,504	1,244,504	\$9,753
2495	KVEW	476,720	464,347	\$3,639
35852	KVHP	747,917	747,837	\$5,861
49832	KVIA-TV	1,015,350	1,011,266	\$7,925
35855	KVIE*	10,759,440	7,467,369	\$58,522
40450	KVIH-TV	91,912	91,564	\$718
40446	KVII-TV	379,042	378,218	\$2,964
61961	KVLY-TV	350,732	350,449	\$2,746
16729	KVMD	6,145,526	4,116,524	\$32,261
83825	KVME-TV	26,711	22,802	\$179
25735	KVOA	1,317,956	1,030,404	\$8,075
35862	KVOS-TV	2,019,168	1,954,667	\$15,319
69733	KVPT	1,744,349	1,719,318	\$13,474
55372	KVRR	356,645	356,645	\$2,795
166331	KVSN-DT	2,706,244	2,283,409	\$17,895

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
608	KVTH-DT	303,755	299,230	\$2,345
2784	KVTJ-DT	1,466,426	1,465,802	\$11,487
607	KVTN-DT	936,328	925,884	\$7,256
35867	KVUE	2,661,290	2,611,314	\$20,465
78910	KVUI	257,964	251,872	\$1,974
35870	KVVU-TV	2,042,029	1,935,466	\$15,168
36170	KVYE	396,495	392,498	\$3,076
35095	KWBA-TV	1,129,524	1,073,029	\$8,409
78314	KWBM	657,822	639,560	\$5,012
27425	KWBN	953,207	840,455	\$6,587
76268	KWBQ	1,148,810	1,105,600	\$8,665
66413	KWCH-DT	883,647	881,674	\$6,910
71549	KWCM-TV	252,284	244,033	\$1,912
35419	KWDK	4,196,263	4,118,699	\$32,278
42007	KWES-TV	424,862	423,544	\$3,319
50194	KWET	127,976	112,750	\$884
35881	KWEX-DT	2,376,463	2,370,469	\$18,577
35883	KWGN-TV	3,706,495	3,513,577	\$27,536
37099	KWHB	979,393	978,719	\$7,670
37103	KWHD	97,959	94,560	\$741
36846	KWHE	952,966	834,341	\$6,539
26231	KWHY-TV*	17,736,497	17,695,306	\$138,678
35096	KWKB	1,121,676	1,111,629	\$8,712
162115	KWKS	39,708	39,323	\$308
12522	KWKT-TV	1,010,550	1,010,236	\$7,917
21162	KWNB-TV	91,093	89,332	\$700
67347	KWOG	512,412	505,049	\$3,958
56852	KWPX-TV	4,220,008	4,148,577	\$32,512
6885	KWQC-TV	1,080,156	1,067,249	\$8,364
29121	KWSD	280,675	280,672	\$2,200
53318	KWSE	54,471	53,400	\$418
71024	KWSU-TV	725,554	468,295	\$3,670
25382	KWTV-DT	1,628,106	1,627,198	\$12,752
35903	KWTX-TV	2,071,023	1,972,365	\$15,457
593	KWWL*	1,089,498	1,078,458	\$8,452
84410	KWWT	293,291	293,291	\$2,299
14674	KWYB	86,495	69,598	\$545
10032	KWYP-DT	128,874	126,992	\$995
35920	KXAN-TV	2,678,666	2,624,648	\$20,569

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
49330	KXAS-TV	6,774,295	6,771,827	\$53,071
24287	KXGN-TV	14,217	13,883	\$109
35954	KXII	2,323,974	2,264,951	\$17,750
55083	KXLA	17,929,100	16,794,896	\$131,622
35959	KXLF-TV	258,100	217,808	\$1,707
53847	KXLN-DT	6,085,891	6,085,712	\$47,694
35906	KXLT-TV	348,025	347,296	\$2,722
61978	KXLY-TV*	772,116	740,960	\$5,807
55684	KXMA-TV	32,005	31,909	\$250
55686	KXMB-TV	142,755	138,506	\$1,085
55685	KXMC-TV	97,569	89,483	\$701
55683	KXMD-TV	37,962	37,917	\$297
47995	KXNE-TV	300,021	298,839	\$2,342
81593	KXNW	602,168	597,747	\$4,685
35991	KXRM-TV	1,843,363	1,500,689	\$11,761
1255	KXTF	121,558	121,383	\$951
25048	KXTV	10,759,864	7,477,140	\$58,598
35994	KXTX-TV	6,721,578	6,718,616	\$52,654
62293	KXVA	185,478	185,276	\$1,452
23277	KXVO	1,404,703	1,403,380	\$10,998
9781	KXXV	1,771,620	1,748,287	\$13,701
31870	KYAZ	6,038,257	6,038,071	\$47,320
21488	KYES-TV	381,413	380,355	\$2,981
29086	KYIN	581,748	574,691	\$4,504
60384	KYLE-TV	324,032	324,025	\$2,539
33639	KYMA-DT	396,278	391,619	\$3,069
47974	KYNE-TV	929,406	929,242	\$7,282
53820	KYOU-TV	651,334	640,935	\$5,023
36003	KYTV	1,095,904	1,083,524	\$8,492
55644	KYTX	927,327	925,550	\$7,254
13815	KYUR	379,943	379,027	\$2,970
5237	KYUS-TV	12,496	12,356	\$97
33752	KYVE	301,951	259,559	\$2,034
55762	KYVV-TV	67,201	67,201	\$527
25453	KYW-TV	11,061,941	10,876,511	\$85,239
69531	KZJL	6,037,458	6,037,272	\$47,314
69571	KZJO	4,179,154	4,124,424	\$32,323
61062	KZSD-TV	41,207	35,825	\$281
33079	KZTV	567,635	564,464	\$4,424

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
57292	WAAY-TV	1,498,006	1,428,197	\$11,193
1328	WABC-TV*	20,948,273	20,560,001	\$161,129
43203	WABG-TV	393,020	392,348	\$3,075
17005	WABI-TV	530,773	510,729	\$4,003
16820	WABM	1,703,202	1,675,700	\$13,132
23917	WABW-TV	1,097,560	1,096,376	\$8,592
19199	WACH	1,317,429	1,316,792	\$10,320
189358	WACP	9,415,263	9,301,049	\$72,892
23930	WACS-TV	621,686	616,443	\$4,831
60018	WACX	3,967,118	3,966,535	\$31,086
361	WACY-TV	946,580	946,071	\$7,414
455	WADL	4,610,514	4,602,962	\$36,073
589	WAFB	1,857,882	1,857,418	\$14,557
591	WAFF	1,197,068	1,110,122	\$8,700
70689	WAGA-TV	6,000,355	5,923,191	\$46,420
48305	WAGM-TV	64,721	63,331	\$496
37809	WAGV	1,193,158	1,060,935	\$8,315
706	WAIQ	611,733	609,794	\$4,779
701	WAKA	799,637	793,645	\$6,220
4143	WALA-TV	1,320,419	1,318,127	\$10,330
70713	WALB	773,899	772,467	\$6,054
60536	WAMI-DT	5,449,193	5,449,193	\$42,705
70852	WAND	1,400,271	1,398,521	\$10,960
39270	WANE-TV	1,108,844	1,108,844	\$8,690
52280	WAOE	613,812	613,784	\$4,810
64546	WAOW	636,957	629,068	\$4,930
52073	WAPA-TV	3,764,742	3,363,102	\$21,902
49712	WAPT	793,621	791,620	\$6,204
67792	WAQP	1,992,340	1,983,143	\$15,542
13206	WATC-DT	5,637,070	5,616,513	\$44,017
71082	WATE-TV	1,874,433	1,638,059	\$12,837
22819	WATL	5,882,837	5,819,099	\$45,604
20287	WATM-TV	937,438	785,510	\$6,156
11907	WATN-TV	1,787,595	1,784,560	\$13,986
13989	WAVE	1,846,212	1,836,231	\$14,391
71127	WAVY-TV	2,039,358	2,039,341	\$15,982
54938	WAWD	553,676	553,591	\$4,338
65247	WAWV-TV	705,549	699,377	\$5,481
12793	WAXN-TV	2,677,951	2,669,224	\$20,919

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65696	WBAL-TV	9,596,587	9,190,139	\$72,023
74417	WBAY-TV	1,225,928	1,225,335	\$9,603
71085	WBBH-TV	2,046,391	2,046,391	\$16,038
65204	WBBJ-TV	662,148	658,016	\$5,157
9617	WBBM-TV*	9,914,233	9,907,806	\$77,647
9088	WBBZ-TV	1,269,256	1,260,686	\$9,880
70138	WBDT	3,660,544	3,646,874	\$28,581
51349	WBEC-TV	5,421,355	5,421,355	\$42,487
10758	WBFF	8,509,757	8,339,882	\$65,360
12497	WBFS-TV	5,349,613	5,349,613	\$41,925
6568	WBGU-TV	1,343,816	1,343,816	\$10,531
81594	WBIF	309,707	309,707	\$2,427
84802	WBIH	736,501	724,345	\$5,677
717	WBIQ	1,563,080	1,532,266	\$12,008
46984	WBIR-TV	1,978,347	1,701,857	\$13,337
67048	WBKB-TV	136,823	130,625	\$1,024
34167	WBKI	1,983,992	1,968,048	\$15,424
4692	WBKO	963,413	862,651	\$6,761
76001	WBKP	55,655	55,305	\$433
68427	WBMM	562,284	562,123	\$4,405
73692	WBNA	1,699,683	1,666,248	\$13,058
23337	WBNG-TV*	1,442,745	1,060,329	\$8,310
71217	WBNS-TV	2,847,721	2,784,795	\$21,824
72958	WBNX-TV	3,642,304	3,629,347	\$28,443
71218	WBOC-TV	813,888	813,888	\$6,378
71220	WBOY-TV	711,302	621,367	\$4,870
60850	WBPH-TV*	10,613,847	9,474,797	\$74,254
7692	WPX-TV	6,833,712	6,761,949	\$52,993
5981	WBRA-TV	1,726,408	1,677,204	\$13,144
71221	WBRC	1,884,007	1,849,135	\$14,492
71225	WBRE-TV*	2,879,196	2,244,735	\$17,592
38616	WBRZ-TV	2,223,336	2,222,309	\$17,416
82627	WBSF	1,836,543	1,832,446	\$14,361
30826	WBTW	4,433,020	4,295,962	\$33,667
66407	WBTW	1,975,457	1,959,172	\$15,354
16363	WBUI	981,884	981,868	\$7,695
59281	WBUP	126,472	112,603	\$882
60830	WBUY-TV	1,569,254	1,567,815	\$12,287
72971	WBXX-TV	2,142,759	1,984,544	\$15,553

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
25456	WBZ-TV	7,764,394	7,616,633	\$59,692
63153	WCAU	11,269,831	11,098,540	\$86,979
363	WCAV	949,729	727,455	\$5,701
46728	WCAX-TV	784,748	661,547	\$5,185
39659	WCBB	964,079	910,222	\$7,133
10587	WCBD-TV	1,149,489	1,149,489	\$9,009
12477	WCBI-TV	680,511	678,424	\$5,317
9610	WCBS-TV	21,713,751	21,187,849	\$166,049
49157	WCCB	3,542,464	3,489,260	\$27,345
9629	WCCO-TV	3,837,442	3,829,714	\$30,013
14050	WCCT-TV	5,818,471	5,307,612	\$41,596
69544	WCCU	395,106	395,102	\$3,096
3001	WCCV-TV	3,391,703	2,482,544	\$16,168
23937	WCES-TV	1,098,868	1,097,706	\$8,603
65666	WCET	3,122,924	3,108,328	\$24,360
46755	WCFE-TV	445,131	411,198	\$3,223
71280	WCHS-TV	1,352,824	1,274,766	\$9,990
42124	WCIA	796,609	795,428	\$6,234
711	WCIQ*	3,181,068	3,033,573	\$23,774
71428	WCIU-TV	9,891,328	9,888,390	\$77,495
9015	WCIV	1,152,800	1,152,800	\$9,034
42116	WCIX	554,002	549,682	\$4,308
16993	WCJB-TV	977,492	977,492	\$7,661
11125	WCLF	4,097,389	4,096,624	\$32,105
68007	WCLJ-TV	2,258,426	2,256,937	\$17,688
50781	WCMH-TV	2,756,260	2,712,989	\$21,262
9917	WCML	233,439	224,255	\$1,757
9908	WCMU-TV	707,702	699,551	\$5,482
9922	WCMV	418,707	407,222	\$3,191
9913	WCMW	106,975	104,859	\$822
32326	WCNC-TV	3,822,849	3,747,880	\$29,372
53734	WCNY-TV	1,358,685	1,290,632	\$10,115
73642	WCOV-TV	862,899	859,333	\$6,735
40618	WCPB	560,426	560,426	\$4,392
59438	WCPO-TV	3,328,920	3,311,833	\$25,955
10981	WCPX-TV	9,674,477	9,673,859	\$75,814
71297	WCSC-TV	1,028,018	1,028,018	\$8,057
39664	WCSH	1,682,955	1,457,618	\$11,423
69479	WCTE	612,760	541,314	\$4,242

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18334	WCTI-TV	1,680,664	1,678,237	\$13,152
31590	WCTV	1,049,825	1,049,779	\$8,227
33081	WCTX	7,844,936	7,332,431	\$57,464
65684	WCVB-TV	7,741,540	7,606,326	\$59,611
9987	WCVE-TV	1,582,094	1,581,725	\$12,396
83304	WCVI-TV	50,601	50,495	\$396
34204	WCVN-TV	2,108,475	2,100,226	\$16,459
9989	WCVW	1,461,748	1,461,643	\$11,455
73042	WCWF	1,040,984	1,040,525	\$8,155
35385	WCWG	3,630,551	3,299,114	\$25,855
29712	WCWJ	1,582,959	1,582,959	\$12,406
73264	WCWN	1,698,469	1,512,848	\$11,856
2455	WCYB-TV*	2,363,002	2,057,404	\$16,124
11291	WDAF-TV	2,539,581	2,537,411	\$19,886
21250	WDAM-TV	512,594	500,343	\$3,921
22129	WDAY-TV	339,239	338,856	\$2,656
22124	WDAZ-TV	151,720	151,659	\$1,189
71325	WDBB	1,669,214	1,646,336	\$12,902
71326	WDBD	940,665	939,489	\$7,363
71329	WDBJ	1,606,844	1,439,716	\$11,283
51567	WDCA	8,070,491	8,015,328	\$62,816
16530	WDCQ-TV	1,269,199	1,269,199	\$9,947
30576	WDCW	8,155,998	8,114,847	\$63,596
54385	WDEF-TV	1,731,483	1,508,250	\$11,820
32851	WDFX-TV	271,499	270,942	\$2,123
43846	WDHN	452,377	451,978	\$3,542
71338	WDIO-DT	341,506	327,469	\$2,566
714	WDIQ	663,062	620,124	\$4,860
53114	WDIV-TV	5,425,162	5,424,963	\$42,515
71427	WDJT-TV	3,085,540	3,081,475	\$24,150
39561	WDKA	621,903	620,169	\$4,860
64017	WDKY-TV	1,204,817	1,173,579	\$9,197
67893	WDLI-TV	4,147,298	4,114,920	\$32,249
72335	WDPB	596,888	596,888	\$4,678
83740	WDPM-DT	1,365,977	1,364,744	\$10,695
1283	WDPN-TV*	11,594,463	11,467,616	\$89,872
6476	WDPX-TV	6,833,712	6,761,949	\$52,993
28476	WDRB	1,987,708	1,971,926	\$15,454
12171	WDSC-TV	3,376,247	3,376,247	\$26,460

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
17726	WDSE	330,994	316,643	\$2,482
71353	WDSI-TV	1,100,302	1,042,191	\$8,168
71357	WDSU	1,613,076	1,613,076	\$12,642
7908	WDTI	2,095,312	2,094,395	\$16,414
65690	WDTN	3,660,544	3,646,874	\$28,581
70592	WDTV	962,532	850,394	\$6,665
25045	WDVM-TV	3,074,837	2,646,508	\$20,741
4110	WDWL	2,638,361	2,379,555	\$15,497
49421	WEAO	3,919,602	3,892,146	\$30,503
71363	WEAR-TV	1,524,131	1,523,479	\$11,940
7893	WEAU	991,019	952,513	\$7,465
61003	WEBA-TV	645,039	635,967	\$4,984
19561	WECN	2,886,669	2,596,015	\$16,907
48666	WECT	1,134,918	1,134,918	\$8,894
13602	WEDH	5,328,800	4,724,167	\$37,023
13607	WEDN	3,451,170	2,643,344	\$20,716
69338	WEDQ	4,882,446	4,881,322	\$38,255
21808	WEDU	5,379,887	5,365,612	\$42,050
13594	WEDW	5,996,408	5,544,708	\$43,454
13595	WEDY	5,328,800	4,724,167	\$37,023
24801	WEEK-TV	698,238	698,220	\$5,472
6744	WEFS	3,380,743	3,380,743	\$26,495
24215	WEHT	847,299	835,128	\$6,545
721	WEIQ	1,046,465	1,046,116	\$8,198
18301	WEIU-TV	462,775	462,711	\$3,626
69271	WEKW-TV	1,072,240	546,881	\$4,286
60825	WELF-TV	1,491,382	1,414,528	\$11,086
26602	WELU	2,248,146	2,020,075	\$13,156
40761	WEMT	1,726,085	1,186,706	\$9,300
69237	WENH-TV	4,500,498	4,328,222	\$33,920
71508	WENY-TV	543,162	413,668	\$3,242
83946	WEPH	604,105	602,833	\$4,724
81508	WEPX-TV	859,535	859,535	\$6,736
25738	WESH*	4,059,180	4,048,459	\$31,728
65670	WETA-TV	7,607,834	7,576,217	\$59,375
69944	WETK	670,087	558,842	\$4,380
60653	WETM-TV	721,800	620,074	\$4,860
18252	WETP-TV	2,087,588	1,791,130	\$14,037
2709	WEUX	380,569	373,680	\$2,929

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
72041	WEVV-TV	752,417	750,555	\$5,882
59441	WEWS-TV	4,112,984	4,078,299	\$31,962
72052	WEYI-TV	3,715,686	3,652,991	\$28,628
72054	WFAA*	6,927,782	6,918,595	\$54,221
81669	WFBD	814,185	813,564	\$6,376
69532	WFDC-DT	8,155,998	8,114,847	\$63,596
10132	WFFF-TV	592,012	506,744	\$3,971
25040	WFFT-TV	1,088,489	1,088,354	\$8,529
11123	WFGC	2,759,457	2,759,457	\$21,626
6554	WFGX	1,440,245	1,437,744	\$11,268
13991	WFIE	731,856	729,985	\$5,721
715	WFIQ	546,563	544,258	\$4,265
64592	WFLA-TV	5,450,176	5,446,917	\$42,687
22211	WFLD	9,957,301	9,954,828	\$78,016
72060	WFLI-TV	1,272,913	1,125,349	\$8,819
39736	WFLX	5,740,086	5,740,086	\$44,985
72062	WFMJ-TV	3,504,955	3,262,270	\$25,566
72064	WFMY-TV	4,772,783	4,740,684	\$37,153
39884	WFMZ-TV*	10,613,847	9,474,797	\$74,254
83943	WFNA	1,391,519	1,390,447	\$10,897
47902	WFOR-TV	5,398,266	5,398,266	\$42,306
11909	WFOX-TV	1,602,888	1,602,888	\$12,562
40626	WFPT	5,829,226	5,442,352	\$42,652
21245	WFPX-TV	2,637,949	2,634,141	\$20,644
25396	WFQX-TV	537,340	534,314	\$4,187
9635	WFRV-TV	1,201,204	1,200,502	\$9,408
53115	WFSB	4,752,788	4,370,519	\$34,252
6093	WFSG	364,961	364,796	\$2,859
21801	WFSU-TV	576,105	576,093	\$4,515
11913	WFTC	3,787,177	3,770,207	\$29,547
64588	WFTS-TV	5,077,970	5,077,719	\$39,794
16788	WFTT-TV	4,523,828	4,521,879	\$35,438
72076	WFTV	3,849,576	3,849,576	\$30,169
70649	WFTX-TV	1,775,097	1,775,097	\$13,911
60553	WFTY-DT	5,678,755	5,560,460	\$43,577
25395	WFUP	217,655	216,861	\$1,700
60555	WFUT-DT	19,992,096	19,643,518	\$153,946
22108	WFWA	1,035,114	1,034,862	\$8,110
9054	WFXB	1,393,865	1,393,510	\$10,921

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
3228	WFXG	1,070,032	1,057,760	\$8,290
70815	WFXL	793,637	785,106	\$6,153
19707	WFXP	583,315	562,500	\$4,408
24813	WFXR	1,426,061	1,286,450	\$10,082
6463	WFXT	7,494,070	7,400,830	\$58,000
22245	WFXU	211,721	211,721	\$1,659
43424	WFXV	633,597	558,968	\$4,381
25236	WFXW	274,078	270,967	\$2,124
41397	WFYI	2,389,627	2,388,970	\$18,722
53930	WGAL*	6,287,688	5,610,833	\$43,972
2708	WGBA-TV	1,170,375	1,170,127	\$9,170
24314	WGBC	249,415	249,235	\$1,953
72099	WGBH-TV*	7,711,842	7,601,732	\$59,575
12498	WGBO-DT	9,771,815	9,769,552	\$76,564
72098	WGBX-TV	7,476,751	7,378,958	\$57,829
72096	WGBY-TV	4,470,009	3,739,675	\$29,308
72120	WGCL-TV	6,027,276	5,961,471	\$46,720
62388	WGPU	1,403,602	1,403,602	\$11,000
54275	WGEM-TV*	361,598	356,682	\$2,795
27387	WGEN-TV	43,037	43,037	\$337
7727	WGFL	759,234	759,234	\$5,950
25682	WGGB-TV	3,443,447	3,005,875	\$23,557
11027	WGGN-TV	1,991,462	1,969,331	\$15,434
9064	WGGT-TV	2,759,326	2,705,067	\$21,200
72106	WGHP	3,774,522	3,734,200	\$29,265
710	WGIQ	363,849	363,806	\$2,851
12520	WGMB-TV	1,739,804	1,739,640	\$13,634
25683	WGME-TV	1,495,724	1,325,465	\$10,388
24618	WGNM	742,533	741,501	\$5,811
72119	WGNO	1,641,765	1,641,765	\$12,867
9762	WGNT	1,875,612	1,875,578	\$14,699
72115	WGN-TV	9,942,959	9,941,552	\$77,912
40619	WGPT	578,294	344,300	\$2,698
65074	WGPX-TV	2,765,350	2,754,743	\$21,589
64547	WGRZ	1,878,725	1,812,309	\$14,203
63329	WGTA	1,061,654	1,030,538	\$8,076
66285	WGTE-TV	2,210,496	2,208,927	\$17,311
59279	WGTQ	95,618	92,019	\$721
59280	WGTU	358,543	353,477	\$2,770

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
23948	WGTV	5,880,594	5,832,714	\$45,711
7623	WGTW-TV	807,797	807,797	\$6,331
24783	WGVK	2,439,225	2,437,526	\$19,103
24784	WGVU-TV*	1,825,744	1,784,264	\$13,983
21536	WGWG	986,963	986,963	\$7,735
56642	WGWV	1,677,166	1,647,976	\$12,915
58262	WGXA	779,955	779,087	\$6,106
73371	WHAM-TV	1,323,785	1,275,674	\$9,997
32327	WHAS-TV*	1,955,983	1,925,901	\$15,093
6096	WHA-TV	1,636,473	1,629,171	\$12,768
13950	WHBF-TV*	1,712,339	1,704,072	\$13,355
12521	WHBQ-TV	1,736,335	1,708,345	\$13,388
10894	WHBR	1,302,764	1,302,041	\$10,204
65128	WHDF	1,553,469	1,502,852	\$11,778
72145	WHDH	7,319,659	7,236,210	\$56,710
83929	WHDT	5,640,324	5,640,324	\$44,203
70041	WHEC-TV	1,322,243	1,279,606	\$10,028
67971	WHFT-TV	5,417,409	5,417,409	\$42,456
41458	WHIO-TV	3,896,757	3,879,363	\$30,403
713	WHIQ	1,278,174	1,225,940	\$9,608
61216	WHIZ-TV	910,864	831,894	\$6,520
65919	WHKY-TV	3,038,732	2,974,919	\$23,314
18780	WHLA-TV	467,264	443,002	\$3,472
48668	WHLT	484,432	483,532	\$3,789
24582	WHLV-TV	3,825,468	3,825,468	\$29,980
37102	WHMB-TV	2,847,719	2,828,250	\$22,165
61004	WHMC	943,543	942,807	\$7,389
36117	WHME-TV	1,271,796	1,271,715	\$9,966
37106	WHNO	1,499,653	1,499,653	\$11,753
72300	WHNS	2,549,397	2,266,911	\$17,766
48693	WHNT-TV	1,569,885	1,487,578	\$11,658
66221	WHO-DT*	1,120,480	1,099,818	\$8,619
6866	WHOI	679,446	679,434	\$5,325
72313	WHP-TV	4,030,693	3,538,096	\$27,728
51980	WHPX-TV	5,579,464	5,114,336	\$40,081
73036	WHRM-TV	495,398	495,174	\$3,881
25932	WHRO-TV	2,149,481	2,149,410	\$16,845
68058	WHSG-TV	5,870,314	5,808,605	\$45,522
4688	WHSV-TV	845,013	711,912	\$5,579

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
9990	WHTJ	723,698	490,045	\$3,840
72326	WHTM-TV	2,829,585	2,367,000	\$18,550
11117	WHTN	1,872,713	1,856,716	\$14,551
27772	WHUT-TV	7,649,763	7,617,337	\$59,697
18793	WHWC-TV	994,710	946,335	\$7,416
72338	WHYY-TV	10,379,045	9,982,651	\$78,234
5360	WIAT	1,837,072	1,802,810	\$14,129
63160	WIBW-TV	1,089,708	1,050,918	\$8,236
25684	WICD	1,238,332	1,237,046	\$9,695
25686	WICS	1,011,833	1,007,132	\$7,893
24970	WICU-TV	740,115	683,435	\$5,356
62210	WICZ-TV	976,771	780,174	\$6,114
18410	WIDP	2,559,306	2,286,123	\$14,888
26025	WIFS	1,400,358	1,397,144	\$10,949
720	WIIQ	353,241	347,685	\$2,725
68939	WILL-TV	1,178,545	1,158,147	\$9,076
6863	WILX-TV	3,378,644	3,218,221	\$25,221
22093	WINK-TV	1,851,105	1,851,105	\$14,507
67787	WINM	1,001,485	971,031	\$7,610
41314	WINP-TV	2,804,646	2,748,454	\$21,540
3646	WIPB	1,962,078	1,961,899	\$15,375
48408	WIPL	850,656	799,165	\$6,263
53863	WIPM-TV	2,196,157	1,870,057	\$2,269
53859	WIPR-TV	3,596,802	3,382,849	\$22,031
10253	WIPX-TV	2,258,426	2,256,937	\$17,688
39887	WIRS	1,153,382	916,310	\$4,706
71336	WIRT-DT	127,001	126,300	\$990
13990	WIS	2,644,715	2,600,887	\$20,383
65143	WISC-TV	1,830,642	1,811,579	\$14,197
13960	WISE-TV	1,070,155	1,070,155	\$8,387
39269	WISH-TV	2,912,963	2,855,253	\$22,377
65680	WISN-TV	2,938,180	2,926,133	\$22,932
73083	WITF-TV	2,412,561	2,191,501	\$17,175
73107	WITI	3,117,342	3,107,791	\$24,356
594	WITN-TV	1,768,040	1,754,388	\$13,749
61005	WITV	1,081,393	1,081,393	\$8,475
7780	WIVB-TV	1,538,108	1,502,969	\$11,779
11260	WIVT	856,453	607,256	\$4,759
60571	WIWN*	3,338,845	3,323,941	\$26,050

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
62207	WIYC	526,556	525,826	\$4,121
73120	WJAC-TV	2,219,529	1,897,986	\$14,875
10259	WJAL*	8,750,706	8,446,074	\$66,192
50780	WJAR	6,537,858	6,428,263	\$50,378
35576	WJAX-TV	1,630,782	1,630,782	\$12,780
27140	WJBF	1,601,531	1,585,550	\$12,426
73123	WJBK	5,748,623	5,711,224	\$44,759
37174	WJCL	938,086	938,086	\$7,352
73130	WJCT	1,624,624	1,624,033	\$12,728
29719	WJEB-TV	1,607,510	1,607,510	\$12,598
65749	WJET-TV	747,431	717,721	\$5,625
7651	WJFB	1,744,291	1,736,932	\$13,612
49699	WJFW-TV	277,530	268,295	\$2,103
73136	WJHG-TV	864,121	859,823	\$6,738
57826	WJHL-TV*	2,037,793	1,428,213	\$11,193
68519	WJKT	654,460	653,378	\$5,121
1051	WJLA-TV*	8,750,706	8,447,643	\$66,204
86537	WJLP	21,384,863	21,119,366	\$165,512
9630	WJMN-TV	160,991	154,424	\$1,210
61008	WJPM-TV	623,965	623,813	\$4,889
58340	WJPX	3,254,481	3,008,658	\$19,594
21735	WJRT-TV	2,788,684	2,543,446	\$19,933
23918	WJSP-TV	4,225,860	4,188,428	\$32,825
41210	WJTC	1,347,474	1,346,205	\$10,550
48667	WJTV	987,206	980,717	\$7,686
73150	WJW	3,977,148	3,905,325	\$30,606
61007	WJWJ-TV	1,008,890	1,008,890	\$7,907
58342	WJWN-TV	1,962,885	1,690,961	\$4,706
53116	WJXT	1,608,682	1,608,682	\$12,607
11893	WJXX	1,618,191	1,617,272	\$12,675
32334	WJYS	9,647,321	9,647,299	\$75,606
25455	WJZ-TV*	9,253,891	8,902,229	\$69,767
73152	WJZY	4,432,745	4,301,117	\$33,708
64983	WKAQ-TV	3,697,088	3,287,110	\$21,407
6104	WKAR-TV	1,693,373	1,689,830	\$13,243
34171	WKAS	503,790	476,158	\$3,732
51570	WKBD-TV	5,065,617	5,065,350	\$39,697
73153	WKBN-TV	4,898,622	4,535,576	\$35,545
13929	WKBS-TV	831,411	682,182	\$5,346

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74424	WKBT-DT	866,325	824,795	\$6,464
54176	WKBW-TV	2,033,929	1,942,743	\$15,225
53465	WKCF	4,032,154	4,031,823	\$31,597
73155	WKEF	3,623,762	3,619,081	\$28,363
34177	WKGB-TV	384,474	382,825	\$3,000
34196	WKHA	511,281	400,721	\$3,140
34207	WKLE	837,269	825,691	\$6,471
34212	WKMA-TV	454,447	453,482	\$3,554
71293	WKMG-TV	3,803,492	3,803,492	\$29,808
34195	WKMJ-TV	1,426,739	1,417,865	\$11,112
34202	WKMR	463,316	428,462	\$3,358
34174	WKMU	329,306	328,918	\$2,578
42061	WKNO	1,645,867	1,642,092	\$12,869
83931	WKNX-TV	1,684,178	1,459,493	\$11,438
34205	WKOH	550,854	547,801	\$4,293
67869	WKOI-TV	3,660,544	3,646,874	\$28,581
34211	WKON	905,003	895,953	\$7,022
18267	WKOP-TV	1,555,654	1,382,098	\$10,832
64545	WKOW	1,918,224	1,899,746	\$14,888
21432	WKPC-TV	1,489,989	1,481,948	\$11,614
65758	WKPD	242,844	241,796	\$1,895
34200	WKPI-TV	469,081	408,968	\$3,205
27504	WKPT-TV	1,131,213	887,806	\$6,958
58341	WKPV	1,132,932	879,902	\$4,706
11289	WKRC-TV	3,281,914	3,229,223	\$25,307
73187	WKRГ-TV	1,526,600	1,526,075	\$11,960
73188	WKRN-TV	2,410,573	2,388,802	\$18,721
34222	WKSO-TV	586,871	573,741	\$4,496
40902	WKTC	1,386,422	1,385,850	\$10,861
60654	WKTV	1,573,503	1,342,387	\$10,520
73195	WKYC	4,154,903	4,099,508	\$32,128
24914	WKYT-TV	1,174,615	1,156,978	\$9,067
71861	WKYU-TV	411,448	409,310	\$3,208
34181	WKZT-TV	957,158	927,375	\$7,268
18819	WLAE-TV	1,397,967	1,397,967	\$10,956
36533	WLAJ	1,865,669	1,858,982	\$14,569
2710	WLAX	513,319	488,216	\$3,826
68542	WLBT	948,671	947,857	\$7,428
39644	WLBZ	373,129	364,346	\$2,855

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69328	WLED-TV	338,110	159,958	\$1,254
63046	WLEF-TV	192,283	191,149	\$1,498
73203	WLEX-TV	969,543	964,107	\$7,556
37806	WLFB	808,036	680,534	\$5,333
37808	WLFG	1,614,321	1,282,063	\$10,048
73204	WLFI-TV	2,243,009	2,221,313	\$17,408
73205	WLFL	3,640,360	3,636,542	\$28,500
11113	WLGA	950,018	943,236	\$7,392
19777	WLII-DT	2,801,102	2,591,533	\$16,877
37503	WLIO*	1,067,232	1,050,170	\$8,230
38336	WLIW	14,117,756	13,993,724	\$109,669
27696	WLJC-TV*	1,401,072	1,281,256	\$10,041
71645	WLJT-DT	385,493	385,380	\$3,020
53939	WLKY	1,854,829	1,847,195	\$14,476
11033	WLLA	2,041,934	2,041,852	\$16,002
17076	WLMB	2,754,484	2,747,490	\$21,532
68518	WLMT	1,736,552	1,733,496	\$13,585
22591	WLNE-TV	5,705,441	5,630,394	\$44,125
74420	WLNS-TV	1,865,669	1,858,982	\$14,569
73206	WLNK-TV	7,501,199	7,415,578	\$58,116
84253	WLOO	913,960	912,674	\$7,153
56537	WLOS*	3,086,751	2,544,360	\$19,940
37732	WLOV-TV	609,526	607,780	\$4,763
13995	WLOX	1,182,149	1,170,659	\$9,174
38586	WLPB-TV	1,219,624	1,219,407	\$9,556
73189	WLPX-TV	1,021,171	921,974	\$7,226
66358	WLRN-TV	5,447,399	5,447,399	\$42,691
73226	WLS-TV	10,174,464	10,170,757	\$79,708
73230	WLTV-DT	5,427,398	5,427,398	\$42,535
37176	WLTX	1,580,677	1,578,645	\$12,372
37179	WLTZ	689,521	685,358	\$5,371
21259	WLUC-TV	92,246	85,393	\$669
4150	WLUK-TV	1,251,563	1,247,463	\$9,776
73238	WLVI	7,319,659	7,236,210	\$56,710
36989	WLVT-TV*	10,613,847	9,474,797	\$74,254
3978	WLWC	3,281,532	3,150,875	\$24,693
46979	WLWT	3,319,556	3,302,292	\$25,880
54452	WLXI	4,021,948	4,004,902	\$31,386
55350	WLYH	2,829,585	2,367,000	\$18,550

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43192	WMAB-TV	407,794	401,487	\$3,146
43170	WMAE-TV	653,542	625,084	\$4,899
43197	WMAH-TV	1,257,393	1,256,995	\$9,851
43176	WMAO-TV	369,696	369,343	\$2,895
47905	WMAQ-TV	9,914,395	9,913,272	\$77,690
59442	WMAR-TV	9,203,498	9,065,260	\$71,044
43184	WMAU-TV	642,328	636,504	\$4,988
43193	WMAV-TV	1,008,339	1,008,208	\$7,901
43169	WMAW-TV	732,079	718,446	\$5,630
46991	WMAZ-TV	1,185,678	1,136,616	\$8,908
66398	WMBB	935,027	914,607	\$7,168
43952	WMBC-TV	18,706,132	18,458,331	\$144,658
42121	WMBD-TV	733,039	732,987	\$5,744
83969	WMBF-TV	445,363	445,363	\$3,490
60829	WMCF-TV	593,205	589,513	\$4,620
9739	WMCN-TV	10,379,045	9,982,651	\$78,234
19184	WMC-TV	2,047,403	2,043,125	\$16,012
189357	WMDE	6,384,827	6,257,910	\$49,043
73255	WMDN	278,227	278,018	\$2,179
16455	WMDT	731,931	731,931	\$5,736
39656	WMEA-TV	774,785	746,033	\$5,847
39648	WMEB-TV	511,761	494,574	\$3,876
70537	WMEC	217,940	217,671	\$1,706
39649	WMED-TV	30,488	29,577	\$232
39662	WMEM-TV	71,700	69,981	\$548
41893	WMFD-TV	1,561,367	1,324,244	\$10,378
41436	WMFP	5,792,048	5,564,295	\$43,607
61111	WMGM-TV	807,797	807,797	\$6,331
43847	WMGT-TV	601,894	601,309	\$4,712
73263	WMHT	1,622,458	1,472,559	\$11,540
68545	WMLW-TV	1,822,297	1,822,217	\$14,281
53819	WMOR-TV	5,386,517	5,386,358	\$42,213
81503	WMOW	121,150	106,115	\$832
65944	WMPB	6,489,215	6,375,063	\$49,961
43168	WMPN-TV	856,237	854,089	\$6,693
65942	WMPT	7,945,122	7,905,666	\$61,957
60827	WMPV-TV	1,395,611	1,395,036	\$10,933
10221	WMSN-TV	1,579,847	1,567,031	\$12,281
2174	WMTJ	3,143,148	2,846,339	\$18,537

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
6870	WMTV	1,548,616	1,545,459	\$12,112
73288	WMTW	1,940,292	1,658,816	\$13,000
23935	WMUM-TV	862,740	859,204	\$6,734
73292	WMUR-TV	5,192,179	5,003,980	\$39,216
42663	WMVS*	3,172,534	3,112,231	\$24,391
42665	WMVT*	3,172,534	3,112,231	\$24,391
81946	WMWC-TV	946,858	916,989	\$7,186
56548	WMYA-TV	1,577,439	1,516,026	\$11,881
74211	WMYD	5,750,989	5,750,873	\$45,070
20624	WMYT-TV	4,432,745	4,301,117	\$33,708
25544	WMYV	3,808,852	3,786,057	\$29,671
73310	WNAB	2,072,197	2,059,474	\$16,140
73311	WNAC-TV	7,310,183	6,959,064	\$54,538
47535	WNBC	20,072,714	19,699,252	\$154,383
83965	WNBW-DT	633,243	631,197	\$4,947
72307	WNCF	667,683	665,950	\$5,219
50782	WNCN*	3,795,494	3,783,131	\$29,648
57838	WNCT-TV	1,933,527	1,879,655	\$14,731
41674	WNDU-TV	1,807,909	1,783,617	\$13,978
28462	WNDY-TV	2,912,963	2,855,253	\$22,377
71928	WNED-TV	1,364,333	1,349,085	\$10,573
60931	WNEH	1,261,482	1,255,218	\$9,837
41221	WNEM-TV	1,617,082	1,612,561	\$12,638
49439	WNEO	3,151,964	3,105,545	\$24,338
73318	WNEP-TV	3,131,848	2,484,949	\$19,475
18795	WNET	20,826,756	20,387,649	\$159,778
51864	WNEU	3,471,700	3,354,177	\$26,287
23942	WNGH-TV	3,715,479	3,482,438	\$27,292
67802	WNIN	883,322	865,128	\$6,780
41671	WNIT	1,298,159	1,298,159	\$10,174
48457	WNJB*	20,787,272	20,036,393	\$157,025
48477	WNJN*	20,787,272	20,036,393	\$157,025
48481	WNJS	7,211,292	7,176,711	\$56,244
48465	WNJT	7,211,292	7,176,711	\$56,244
73333	WNJU	21,952,082	21,399,204	\$167,706
73336	WNJX-TV	1,585,248	1,383,235	\$1,199
61217	WNKY	385,619	383,911	\$3,009
71905	WNLO	1,538,108	1,502,969	\$11,779
4318	WNMU	181,730	177,763	\$1,393

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
73344	WNNE	792,551	676,539	\$5,302
54280	WNOL-TV	1,632,389	1,632,389	\$12,793
71676	WNPB-TV	1,578,317	1,446,630	\$11,337
62137	WNPI-DT	167,931	161,748	\$1,268
41398	WNPT	2,260,463	2,227,570	\$17,457
28468	WNPX-TV	2,216,131	2,209,662	\$17,317
61009	WNSC-TV	2,072,821	2,067,933	\$16,206
61010	WNTV	2,419,841	2,211,019	\$17,328
16539	WNTZ-TV	344,704	343,849	\$2,695
7933	WNUV	9,098,694	8,906,508	\$69,800
9999	WNVC	723,698	490,045	\$3,840
10019	WNVT	1,582,094	1,581,725	\$12,396
73354	WNWO-TV	2,232,660	2,232,660	\$17,497
136751	WNYA	1,540,430	1,406,032	\$11,019
30303	WNYB*	1,785,269	1,756,096	\$13,763
6048	WNYE-TV	19,185,983	19,015,910	\$149,028
34329	WNYI	1,627,542	1,338,811	\$10,492
67784	WNYO-TV	1,539,525	1,499,591	\$11,752
58725	WNYS-TV	1,690,696	1,445,505	\$11,328
73363	WNYT*	1,679,494	1,516,775	\$11,887
22206	WNYW	20,075,874	19,753,060	\$154,805
69618	WOAI-TV	2,525,811	2,513,887	\$19,701
66804	WOAY-TV	569,330	416,995	\$3,268
41225	WOFL	3,941,895	3,938,046	\$30,862
70651	WOGX	1,112,408	1,112,408	\$8,718
8661	WOI-DT*	1,173,757	1,170,432	\$9,173
39746	WOIO	3,821,233	3,745,335	\$29,352
71725	WOLE-DT* ¹	2,503,603	947,174	\$7,423
73375	WOLF-TV	3,006,606	2,425,396	\$19,008
60963	WOLO-TV	2,635,115	2,590,158	\$20,299
36838	WOOD-TV	2,507,053	2,501,084	\$19,601
67602	WOPX-TV	3,826,498	3,826,259	\$29,986
64865	WORA-TV	2,733,629	2,586,149	\$2,893
73901	WORO-DT*	3,243,301	3,022,553	\$20,711
60357	WOST	1,193,381	1,027,391	\$6,691
66185	WOSU-TV	2,649,515	2,617,817	\$20,516
131	WOTF-TV	3,288,537	3,288,535	\$25,772
10212	WOTV	2,277,566	2,277,258	\$17,847
50147	WOUB-TV	756,762	734,988	\$5,760

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
50141	WOUC-TV	1,713,515	1,649,853	\$12,930
23342	WOWK-TV*	1,159,175	1,082,354	\$8,482
65528	WOWT	1,380,979	1,377,287	\$10,794
31570	WPAN	637,347	637,347	\$4,995
4190	WPBA	5,217,180	5,200,958	\$40,760
51988	WPBF	3,190,307	3,186,405	\$24,972
21253	WPBN-TV	411,213	394,778	\$3,094
62136	WPBS-DT	338,448	301,692	\$2,364
13456	WPBT	5,416,604	5,416,604	\$42,450
13924	WPCB-TV	2,934,614	2,800,516	\$21,948
64033	WPCH-TV	5,948,778	5,874,163	\$46,036
4354	WPCT	195,270	194,869	\$1,527
69880	WPCW	3,393,365	3,188,441	\$24,988
17012	WPDE-TV	1,764,645	1,762,758	\$13,815
52527	WPEC	5,788,448	5,788,448	\$45,364
84088	WPFO	1,329,690	1,209,873	\$9,482
54728	WPGA-TV	559,495	559,004	\$4,381
60820	WPGD-TV	2,355,629	2,343,715	\$18,368
73875	WPGH-TV	3,132,507	3,007,511	\$23,570
2942	WPGX	425,098	422,872	\$3,314
73879	WPHL-TV	10,421,216	10,246,856	\$80,305
73881	WPIX	20,638,932	20,213,158	\$158,411
53113	WPLG	5,587,129	5,587,129	\$43,786
11906	WPMI-TV	1,467,869	1,467,462	\$11,500
10213	WPMT	2,412,561	2,191,501	\$17,175
18798	WPNE-TV	1,132,868	1,132,699	\$8,877
73907	WPNT	3,130,920	3,010,828	\$23,596
28480	WPPT*	10,613,847	9,474,797	\$74,254
51984	WPPX-TV	8,206,117	7,995,941	\$62,664
47404	WPRI-TV	7,254,721	6,990,606	\$54,785
51991	WPSD-TV	883,812	878,287	\$6,883
12499	WPSG	10,232,988	9,925,334	\$77,785
66219	WPSU-TV	1,055,133	868,013	\$6,803
73905	WPTA	1,099,180	1,099,180	\$8,614
25067	WPTD	3,423,417	3,415,232	\$26,765
25065	WPTO	2,912,159	2,893,581	\$22,677
59443	WPTV-TV	5,840,102	5,840,102	\$45,769
57476	WPTZ	792,551	676,539	\$5,302
8616	WPVI-TV*	11,491,587	11,302,701	\$88,579

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48772	WPWR-TV	9,957,301	9,954,828	\$78,016
51969	WPXA-TV	6,587,205	6,458,510	\$50,615
71236	WPXC-TV	1,561,014	1,561,014	\$12,234
5800	WPXD-TV	5,133,364	5,133,257	\$40,229
37104	WPXE-TV	3,163,550	3,160,601	\$24,770
48406	WPXG-TV	2,577,848	2,512,150	\$19,688
73312	WPXH-TV	1,495,968	1,423,805	\$11,158
73910	WPXI	3,300,896	3,197,864	\$25,062
2325	WPXJ-TV	2,358,750	2,294,833	\$17,985
52628	WPXK-TV	1,801,997	1,577,806	\$12,365
21729	WPXL-TV	1,566,829	1,566,829	\$12,279
48608	WPXM-TV	5,153,621	5,153,621	\$40,389
73356	WPXN-TV	20,465,198	20,092,448	\$157,465
27290	WPXP-TV	5,565,072	5,565,072	\$43,613
50063	WPXQ-TV	3,281,532	3,150,875	\$24,693
70251	WPXR-TV	1,375,640	1,200,331	\$9,407
40861	WPXS	1,152,104	1,145,695	\$8,979
53065	WPXT	760,491	735,051	\$5,761
37971	WPXU-TV	690,613	690,613	\$5,412
67077	WPXV-TV	1,905,128	1,905,128	\$14,930
74091	WPXW-TV	8,091,469	8,044,165	\$63,042
21726	WPXX-TV	1,562,675	1,560,834	\$12,232
73319	WQAD-TV	1,079,594	1,066,743	\$8,360
65130	WQCW	1,319,392	1,249,533	\$9,793
71561	WQEC	183,969	183,690	\$1,440
41315	WQED	3,529,305	3,426,684	\$26,855
3255	WQHA	1,052,107	879,558	\$5,728
60556	WQHS-DT	3,996,567	3,952,672	\$30,977
53716	WQLN	602,212	571,790	\$4,481
52075	WQMY	410,269	254,586	\$1,995
64550	WQOW	369,066	358,576	\$2,810
5468	WQPT-TV	595,685	595,437	\$4,666
64690	WQPX-TV	1,644,283	1,212,587	\$9,503
52408	WQRF-TV	1,326,695	1,305,762	\$10,233
2175	WQTO	2,864,201	1,923,424	\$12,526
8688	WRAL-TV	3,643,511	3,639,448	\$28,522
10133	WRAY-TV	4,021,948	4,004,902	\$31,386
64611	WRAZ	3,605,228	3,601,029	\$28,221
136749	WRBJ-TV	1,030,831	1,028,010	\$8,057

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3359	WRBL	1,493,140	1,461,459	\$11,453
57221	WRBU	2,737,188	2,734,806	\$21,433
54940	WRBW	4,025,123	4,023,804	\$31,535
59137	WRCB	1,587,742	1,363,582	\$10,686
47904	WRC-TV	8,188,601	8,146,696	\$63,846
54963	WRDC	3,624,288	3,620,526	\$28,374
55454	WRDQ	3,931,023	3,931,023	\$30,807
73937	WRDW-TV	1,564,584	1,533,682	\$12,019
66174	WREG-TV	1,642,307	1,638,585	\$12,842
61011	WRET-TV	2,419,841	2,211,019	\$17,328
73940	WREX	2,303,027	2,047,951	\$16,050
54443	WRFB	2,674,527	2,377,106	\$15,481
73942	WRGB*	1,757,575	1,645,483	\$12,896
411	WRGT-TV	3,252,046	3,219,309	\$25,230
74416	WRIC-TV	1,996,265	1,939,664	\$15,201
61012	WRJA-TV	1,127,088	1,119,936	\$8,777
412	WRLH-TV	2,017,508	1,959,111	\$15,354
61013	WRLK-TV	1,229,094	1,228,616	\$9,629
43870	WRLM	3,919,602	3,892,146	\$30,503
74156	WRNN-TV	19,853,836	19,615,370	\$153,726
73964	WROC-TV	1,203,412	1,185,203	\$9,288
159007	WRPT	110,009	109,937	\$862
20590	WRPX-TV	2,637,949	2,634,141	\$20,644
62009	WRSP-TV	904,190	902,682	\$7,074
40877	WRTV	2,919,683	2,895,164	\$22,689
15320	WRUA	2,905,193	2,552,782	\$16,625
71580	WRXY-TV	1,633,655	1,633,655	\$12,803
48662	WSAV-TV	1,000,315	1,000,309	\$7,839
6867	WSAW-TV	652,442	646,386	\$5,066
36912	WSAZ-TV	1,184,629	1,119,859	\$8,776
56092	WSBE-TV	4,627,829	4,531,067	\$35,510
73982	WSBK-TV	7,161,406	7,095,363	\$55,606
72053	WSBS-TV	42,952	42,952	\$337
73983	WSBT-TV	1,691,194	1,682,136	\$13,183
23960	WSB-TV	5,893,810	5,818,626	\$45,601
69446	WSCG	867,516	867,490	\$6,799
64971	WSCV	5,465,435	5,465,435	\$42,833
70536	WSEC	522,349	521,730	\$4,089
49711	WSEE-TV	613,176	595,476	\$4,667

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21258	WSES	1,548,117	1,513,982	\$11,865
73988	WSET-TV	1,569,722	1,323,180	\$10,370
13993	WSFA	1,168,636	1,133,724	\$8,885
11118	WSFJ-TV	1,675,987	1,667,150	\$13,065
10203	WSFL-TV	5,344,129	5,344,129	\$41,882
72871	WSFX-TV	928,247	928,247	\$7,275
73999	WSIL-TV	672,560	669,176	\$5,244
4297	WSIU-TV*	1,019,939	937,070	\$7,344
74007	WSJV	1,522,499	1,522,499	\$11,932
78908	WSKA	546,588	431,354	\$3,381
74034	WSKG-TV	892,439	624,282	\$4,892
76324	WSKY-TV	1,934,585	1,934,519	\$15,161
57840	WSLS-TV	1,447,286	1,277,753	\$10,014
21737	WSMH	2,339,224	2,327,660	\$18,242
41232	WSMV-TV	2,447,769	2,404,766	\$18,846
70119	WSNS-TV	9,914,395	9,913,272	\$77,690
74070	WSOC-TV	3,706,808	3,638,832	\$28,518
66391	WSPA-TV	3,393,072	3,237,713	\$25,374
64352	WSPX-TV	1,298,295	1,174,763	\$9,207
17611	WSRE	1,355,168	1,354,307	\$10,614
63867	WSST-TV	331,907	331,601	\$2,599
60341	WSTE-DT	3,723,967	3,631,985	\$23,653
21252	WSTM-TV	1,458,931	1,382,417	\$10,834
11204	WSTR-TV	3,252,460	3,243,267	\$25,417
19776	WSUR-DT* ²	3,714,790	947,174	\$7,423
2370	WSVI	50,601	50,601	\$397
63840	WSVN	5,588,748	5,588,748	\$43,799
73374	WSWB	1,530,002	1,102,316	\$8,639
28155	WSWG	381,004	380,910	\$2,985
71680	WSPW-TV	858,726	659,416	\$5,168
74094	WSYM-TV	1,516,677	1,516,390	\$11,884
73113	WSYR-TV	1,329,933	1,243,035	\$9,742
40758	WSYT	1,878,638	1,640,666	\$12,858
56549	WSYX	2,635,937	2,584,043	\$20,251
65681	WTAE-TV	2,995,755	2,860,979	\$22,421
23341	WTAJ-TV	1,187,718	948,598	\$7,434
4685	WTAP-TV	472,761	451,414	\$3,538
416	WTAT-TV	1,153,279	1,153,279	\$9,038
67993	WTBY-TV	15,858,470	15,766,438	\$123,562

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29715	WTCE-TV	2,620,599	2,620,599	\$20,538
65667	WTCI	1,204,613	1,099,395	\$8,616
67786	WTCT	584,661	584,006	\$4,577
28954	WTCV	3,254,481	3,008,658	\$19,594
74422	WTEN	1,902,431	1,613,747	\$12,647
9881	WTGL	3,772,425	3,772,425	\$29,564
27245	WTGS	967,792	967,630	\$7,583
70655	WTHI-TV	928,934	886,846	\$6,950
70162	WTHR*	2,949,339	2,901,633	\$22,740
147	WTIC-TV	5,318,753	4,707,697	\$36,894
26681	WTIN-TV	3,714,547	3,487,634	\$1,199
66536	WTIU	1,131,685	1,131,161	\$8,865
1002	WTJP-TV	1,947,743	1,907,300	\$14,948
4593	WTJR	334,527	334,221	\$2,619
70287	WTJX-TV	135,017	121,498	\$952
47401	WTKR	2,142,272	2,142,084	\$16,788
82735	WTLF	349,696	349,691	\$2,741
23486	WTLH	1,038,086	1,038,086	\$8,135
67781	WTLJ	1,622,365	1,621,227	\$12,706
65046	WTLV	1,757,600	1,739,021	\$13,629
1222	WTLW	1,646,714	1,644,206	\$12,886
74098	WTMJ-TV	3,010,678	2,995,959	\$23,479
74109	WTNH	7,845,782	7,332,431	\$57,464
19200	WTNZ	1,699,427	1,513,754	\$11,863
590	WTOC-TV	993,098	992,658	\$7,779
74112	WTOG	4,796,964	4,796,188	\$37,588
4686	WTOK-TV	410,134	404,555	\$3,170
13992	WTOL	4,184,020	4,174,198	\$32,713
21254	WTOM-TV	83,379	81,092	\$636
74122	WTOV-TV	3,892,886	3,619,899	\$28,369
82574	WTPC-TV*	2,049,246	2,042,851	\$16,010
86496	WTPX-TV	255,972	255,791	\$2,005
6869	WTRF-TV	2,941,511	2,565,375	\$20,105
67798	WTSF	593,934	552,040	\$4,326
11290	WTSP*	5,511,840	5,494,925	\$43,064
4108	WTTA	5,450,070	5,446,811	\$42,687
74137	WTTE	2,636,341	2,591,715	\$20,311
22207	WTTG	8,070,491	8,015,328	\$62,816
56526	WTTK	2,817,698	2,794,018	\$21,897

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
74138	WTTO	1,817,151	1,786,516	\$14,001
56523	WTTV	2,362,145	2,359,408	\$18,491
10802	WTTW	9,729,982	9,729,634	\$76,251
74148	WTVA	717,035	709,726	\$5,562
22590	WTVC	1,579,628	1,366,976	\$10,713
8617	WTVD*	3,793,909	3,778,802	\$29,614
55305	WTVE	5,156,905	5,152,997	\$40,384
36504	WTVF	2,416,110	2,397,634	\$18,790
74150	WTVG	4,274,274	4,263,894	\$33,416
74151	WTVH	1,350,223	1,275,171	\$9,994
10645	WTVI	2,853,540	2,824,869	\$22,138
63154	WTVJ	5,458,451	5,458,451	\$42,778
595	WTVM	1,498,667	1,405,957	\$11,018
72945	WTVO	1,409,708	1,398,825	\$10,963
28311	WTVP	679,017	678,672	\$5,319
51597	WTVQ-DT	989,180	982,298	\$7,698
57832	WTVR-TV	1,808,516	1,802,164	\$14,124
16817	WTVS	5,511,639	5,511,255	\$43,192
68569	WTVT	5,475,385	5,462,416	\$42,809
3661	WTVW	791,430	789,720	\$6,189
35575	WTVX	3,157,609	3,157,609	\$24,746
4152	WTVY	974,532	971,173	\$7,611
40759	WTVZ-TV	2,156,534	2,156,346	\$16,899
66908	WTWC-TV	1,032,942	1,032,942	\$8,095
20426	WTWO	737,757	731,769	\$5,735
81692	WTWV	1,527,511	1,526,625	\$11,964
51568	WTVX-TV	10,784,256	10,492,549	\$82,230
41065	WTVX-TV	1,054,514	1,054,322	\$8,263
8532	WUAB	3,821,233	3,745,335	\$29,352
12855	WUCF-TV	3,772,425	3,772,425	\$29,564
36395	WUCW	3,664,480	3,657,236	\$28,662
69440	WUFT	1,372,142	1,372,142	\$10,753
413	WUHF	1,152,580	1,147,972	\$8,997
8156	WUJA	2,638,361	2,379,555	\$15,497
69080	WUNC-TV	4,021,948	4,004,902	\$31,386
69292	WUND-TV	1,506,640	1,506,640	\$11,808
69114	WUNE-TV	1,931,274	1,527,025	\$11,967
69300	WUNF-TV	2,447,306	2,066,422	\$16,195
69124	WUNG-TV	3,267,425	3,253,352	\$25,497

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
60551	WUNI	7,209,571	7,084,349	\$55,520
69332	WUNJ-TV	1,081,274	1,081,274	\$8,474
69149	WUNK-TV	2,018,916	2,013,516	\$15,780
69360	WUNL-TV	2,614,031	2,545,330	\$19,948
69444	WUNM-TV	1,029,109	1,029,109	\$8,065
69397	WUNP-TV	1,018,414	1,009,833	\$7,914
69416	WUNU	1,120,792	1,117,140	\$8,755
83822	WUNW	1,109,237	570,072	\$4,468
6900	WUPA	5,946,477	5,865,122	\$45,965
13938	WUPL	1,632,100	1,632,100	\$12,791
10897	WUPV	1,933,664	1,914,643	\$15,005
19190	WUPW	2,074,890	2,073,548	\$16,250
23128	WUPX-TV	1,102,435	1,089,118	\$8,535
65593	WUSA*	8,750,706	8,446,074	\$66,192
4301	WUSI-TV	304,747	304,747	\$2,388
60552	WUTB	8,509,757	8,339,882	\$65,360
30577	WUTF-TV	8,557,497	8,242,833	\$64,599
57837	WUTR	526,114	481,957	\$3,777
415	WUTV	1,405,230	1,380,902	\$10,822
16517	WUVC-DT	3,768,817	3,748,841	\$29,380
48813	WUVG-DT	6,029,495	5,965,975	\$46,755
3072	WUVN	1,233,568	1,157,140	\$9,069
60560	WUVP-DT	10,421,216	10,246,856	\$80,305
9971	WUXP-TV	2,316,872	2,305,293	\$18,067
417	WVAH-TV	1,373,707	1,300,402	\$10,191
23947	WVAN-TV	979,764	978,920	\$7,672
65387	WVBT	1,848,277	1,848,277	\$14,485
72342	WVCY-TV	2,543,642	2,542,235	\$19,923
60559	WVEA-TV	4,283,915	4,283,854	\$33,573
74167	WVEC*	2,096,709	2,090,875	\$16,386
5802	WVEN-TV	3,607,540	3,607,540	\$28,272
61573	WVEO	1,153,382	916,310	\$2,353
69946	WVER	760,072	579,703	\$4,543
10976	WVFX	731,193	609,763	\$4,779
47929	WVIA-TV	3,131,848	2,484,949	\$19,475
3667	WVII-TV	368,022	346,874	\$2,718
70309	WVIR-TV	1,944,353	1,801,429	\$14,118
74170	WVIT	5,846,093	5,357,639	\$41,988
18753	WVIZ	3,695,223	3,689,173	\$28,912

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
70021	WVLA-TV	1,897,179	1,897,007	\$14,867
81750	WVLR	1,412,728	1,292,471	\$10,129
35908	WVLT-TV	1,888,607	1,633,633	\$12,803
74169	WVNS-TV	911,630	606,820	\$4,756
11259	WVNY	721,176	620,257	\$4,861
29000	WVOZ-TV	1,132,932	879,902	\$2,353
71657	WVPB-TV	780,268	752,747	\$5,899
60111	WVPT*	756,714	632,580	\$4,958
70491	WVPX-TV	4,147,298	4,114,920	\$32,249
66378	WVPY*	756,202	632,155	\$4,954
67190	WVSN	2,948,832	2,572,001	\$16,750
69943	WVTA	760,072	579,703	\$4,543
69940	WVTB	454,244	258,422	\$2,025
74173	WVTM-TV	1,876,825	1,790,198	\$14,030
74174	WVTV	2,999,694	2,990,991	\$23,440
77496	WVUA	2,209,921	2,160,101	\$16,929
4149	WVUE-DT	1,658,125	1,658,125	\$12,995
4329	WVUT	273,293	273,219	\$2,141
74176	WVVA	1,035,752	693,707	\$5,437
3113	WVXF	85,191	78,556	\$616
12033	WWAY	1,206,281	1,206,281	\$9,454
30833	WWBT	1,911,854	1,872,305	\$14,673
20295	WWCP-TV	2,811,278	2,548,691	\$19,974
24812	WWCW	1,390,985	1,212,308	\$9,501
23671	WWDP	5,792,048	5,564,295	\$43,607
21158	WWHO	2,879,726	2,805,564	\$21,987
14682	WWJE-DT	7,209,571	7,084,349	\$55,520
72123	WWJ-TV	5,374,064	5,373,712	\$42,114
166512	WWJX	518,866	518,846	\$4,066
6868	WWLP	3,838,272	3,077,800	\$24,121
74192	WWL-TV	1,756,442	1,756,442	\$13,765
3133	WWMB	1,460,406	1,458,374	\$11,429
74195	WWMT	2,460,942	2,455,432	\$19,243
68851	WWNY-TV	365,677	341,029	\$2,673
74197	WWOR-TV	19,853,836	19,615,370	\$153,726
65943	WWPB	2,015,352	1,691,003	\$13,252
23264	WWPX-TV	3,892,904	3,196,922	\$25,054
68547	WWRS-TV	2,235,958	2,212,123	\$17,336
61251	WWSB	3,340,133	3,340,133	\$26,177

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
23142	WWSI	11,269,831	11,098,540	\$86,979
16747	WWTI	196,531	190,097	\$1,490
998	WWTO-TV	5,541,816	5,541,816	\$43,431
26994	WWTV	1,034,174	1,022,322	\$8,012
84214	WWTW	1,527,511	1,526,625	\$11,964
26993	WWUP-TV	116,638	110,592	\$867
23338	WXBW	4,030,693	3,538,096	\$27,728
61504	WXCW	1,749,847	1,749,847	\$13,714
61084	WXEL-TV	5,416,604	5,416,604	\$42,450
60539	WXFT-DT	10,174,464	10,170,757	\$79,708
23929	WXGA-TV	608,494	606,801	\$4,755
51163	WXIA-TV	6,179,680	6,035,828	\$47,303
53921	WXII-TV	3,630,551	3,299,114	\$25,855
146	WXIN	2,721,639	2,699,366	\$21,155
39738	WXIX-TV	2,825,570	2,797,385	\$21,923
414	WXLV-TV	4,362,761	4,333,737	\$33,963
68433	WXMI	1,988,970	1,988,589	\$15,585
64549	WXOW	425,378	413,264	\$3,239
6601	WXPX-TV	4,566,037	4,564,088	\$35,769
74215	WXTV-DT	19,992,096	19,643,518	\$153,946
12472	WXTX	699,095	694,837	\$5,445
11970	WXXA-TV*	1,680,670	1,546,103	\$12,117
57274	WXXI-TV	1,178,402	1,163,073	\$9,115
53517	WXXV-TV	1,201,440	1,199,901	\$9,404
10267	WXYZ-TV	5,591,434	5,590,748	\$43,815
12279	WYCC	9,729,982	9,729,634	\$76,251
77515	WYCI	35,873	26,508	\$208
70149	WYCW	3,393,072	3,237,713	\$25,374
62219	WYDC	393,843	262,013	\$2,053
18783	WYDN	2,577,848	2,512,150	\$19,688
35582	WYDO	1,097,745	1,097,745	\$8,603
25090	WYES-TV	1,872,245	1,872,059	\$14,671
53905	WYFF	2,626,363	2,416,551	\$18,939
49803	WYIN	6,956,141	6,956,141	\$54,515
24915	WYMT-TV	1,180,276	863,881	\$6,770
17010	WYOU*	2,879,196	2,221,179	\$17,407
77789	WYOW	91,233	90,799	\$712
13933	WYPX-TV	1,529,500	1,413,583	\$11,078
4693	WYTV	4,898,622	4,535,576	\$35,545

Facility Id. #	Call Sign	Service Area Population	Terrain-Ltd Population	FY 2020 Terrain-Ltd. Fee Amount
5875	WYZZ-TV	1,042,140	1,036,721	\$8,125
15507	WZBJ	1,606,844	1,439,716	\$11,283
28119	WZDX	1,557,490	1,452,851	\$11,386
70493	WZME	5,996,408	5,544,708	\$43,454
81448	WZMQ	73,423	72,945	\$572
71871	WZPX-TV	2,094,029	2,093,653	\$16,408
136750	WZRB	952,279	951,693	\$7,458
418	WZTV	2,311,143	2,299,730	\$18,023
83270	WZVI	76,992	75,863	\$595
19183	WZVN-TV	1,916,098	1,916,098	\$15,016
49713	WZZM	1,574,546	1,548,835	\$12,138

Note: The list of call signs above include all feeable and exempt entities. It is the responsibility of licensees to inform the Commission of any status changes. As stated in the *FY 2020 Report and Order and Notice of Proposed Rulemaking*, the fee of full-power television stations in Puerto Rico have been adjusted to reflect losses in population on the island since the 2010 U.S. Census.

* The call signs with an (*) denote VHF stations licensed with a power level that exceeds the maximum based on the maximum power level specified for channels 2-6 in 73.622(f)(6) and for channels 7-13 in 73.622(f)(7). The population counts have been adjusted accordingly.

¹ Call signs WOLE and WLII are stations in Puerto Rico that are linked together with a total fee of \$24,300.

² Call signs WSUR and WLII are stations in Puerto Rico that are linked together with a total fee of \$24,300.

³ Call signs WTCV, WVOZ-TV, and WVEO-TV are stations in Puerto Rico that are linked together with a total fee of \$24,300.

⁴ Call signs WAPA-TV, WTIN-TV, and WNJX-TV are stations in Puerto Rico that are linked together with a total fee of \$24,300.

APPENDIX H

FY 2019 Regulatory Fees

Regulatory fees for the categories shaded in gray are collected by the Commission in advance to cover the term of the license and are submitted at the time the application is filed.

Fee Category	Annual Regulatory Fee (U.S. \$s)
PLMRS (per license) (Exclusive Use) (47 CFR part 90)	25
Microwave (per license) (47 CFR part 101)	25
Marine (Ship) (per station) (47 CFR part 80)	15
Marine (Coast) (per license) (47 CFR part 80)	40
Rural Radio (47 CFR part 22) (previously listed under the Land Mobile category)	10
PLMRS (Shared Use) (per license) (47 CFR part 90)	10
Aviation (Aircraft) (per station) (47 CFR part 87)	10
Aviation (Ground) (per license) (47 CFR part 87)	20
CMRS Mobile/Cellular Services (per unit) (47 CFR parts 20, 22, 24, 27, 80 and 90)	.19
CMRS Messaging Services (per unit) (47 CFR parts 20, 22, 24 and 90)	.08
Broadband Radio Service (formerly MMDS/ MDS) (per license) (47 CFR part 27)	690
Local Multipoint Distribution Service (per call sign) (47 CFR, part 101)	690
AM Radio Construction Permits	595
FM Radio Construction Permits	1,000
AM and FM Broadcast Radio Station Fees	See Table Below
Digital TV (47 CFR part 73) VHF and UHF Commercial Fee Factor	\$.007224 See Appendix. J for fee amounts due, also available at https://www.fcc.gov/licensing-databases/fees/regulatory-fees
Construction Permits	4,450
Low Power TV, Class A TV, TV/FM Translators & Boosters (47 CFR	345

Fee Category	Annual Regulatory Fee (U.S. \$s)
part 74)	
CARS (47 CFR part 78)	1,225
Cable Television Systems (per subscriber) (47 CFR part 76), Including IPTV	.86
Direct Broadcast Service (DBS) (per subscriber) (as defined by section 602(13) of the Act)	.60
Interstate Telecommunication Service Providers (per revenue dollar)	.00317
Toll Free (per toll free subscriber) (47 CFR section 52.101 (f) of the rules)	.12
Earth Stations (47 CFR part 25)	425
Space Stations (per operational station in geostationary orbit) (47 CFR part 25) also includes DBS Service (per operational station) (47 CFR part 100)	159,625
Space Stations (per operational system in non-geostationary orbit) (47 CFR part 25)	154,875
International Bearer Circuits - Terrestrial/Satellites (per Gbps circuit)	121
Submarine Cable Landing Licenses Fee (per cable system)	See Table Below

FY 2019 RADIO STATION REGULATORY FEES						
Population Served	AM Class A	AM Class B	AM Class C	AM Class D	FM Classes A, B1 & C3	FM Classes B, C, C0, C1 & C2
<=25,000	\$950	\$685	\$595	\$655	\$1,000	\$1,200
25,001 – 75,000	\$1,425	\$1,000	\$895	\$985	\$1,575	\$1,800
75,001 – 150,000	\$2,150	\$1,550	\$1,350	\$1,475	\$2,375	\$2,700
150,001 – 500,000	\$3,200	\$2,325	\$2,000	\$2,225	\$3,550	\$4,050
500,001 – 1,200,000	\$4,800	\$3,475	\$3,000	\$3,325	\$5,325	\$6,075
1,200,001 – 3,000,000	\$7,225	\$5,200	\$4,525	\$4,975	\$7,975	\$9,125
3,000,001 – 6,000,000	\$10,825	\$7,800	\$6,775	\$7,450	\$11,950	\$13,675
>6,000,000	\$16,225	\$11,700	\$10,175	\$11,200	\$17,950	\$20,500

FY 2019 International Bearer Circuits - Submarine Cable Systems

Submarine Cable Systems (capacity as of December 31, 2018)	FY 2019 Regulatory Fees
Less than 50 Gbps	\$12,575
50 Gbps or greater, but less than 250 Gbps	\$25,150
250 Gbps or greater, but less than 1,000 Gbps	\$50,300
1,000 Gbps or greater, but less than 4,000 Gbps	\$100,600
4,000 Gbps or greater	\$201,225

APPENDIX I

Final Regulatory Flexibility Analysis

1. As required by the Regulatory Flexibility Act of 1980, as amended (RFA),¹ an Initial Regulatory Flexibility Analysis (IRFA) was included in the *Notice of Proposed Rulemaking (Notice)*.² The Commission sought written public comment on these proposals including comment on the IRFA. This Final Regulatory Flexibility Analysis (FRFA) conforms to the IRFA.³

A. A. Need for, and Objectives of, the Report and Order

2. In this Report and Order we adopt our proposal in the *Notice* on collecting \$339,000,000 in regulatory fees for FY 2020, pursuant to section 9 of the Communications Act of 1934, as amended (Communications Act or Act).⁴ These regulatory fees will be due in September 2020. Under section 9 of the Communications Act, regulatory fees are mandated by Congress and collected to recover the regulatory costs associated with the Commission's enforcement, policy and rulemaking, user information, and international activities in an amount that can be reasonably expected to equal the amount of the Commission's annual appropriation.⁵ This Report and Order adopts the regulatory fees proposed in the *Notice*, with some minor changes.

B. B. Summary of the Significant Issues Raised by the Public Comments in Response to the IRFA

3. None.

C. C. Response to Comments by the Chief Counsel for Advocacy of the Small Business Administration

4. No comments were filed by the Chief Counsel for Advocacy of the Small Business Administration.

D. D. Description and Estimate of the Number of Small Entities to Which the Rules Will Apply:

5. The RFA directs agencies to provide a description of, and where feasible, an estimate of the number of small entities that may be affected by the proposed rules and policies, if adopted.⁶ The RFA generally defines the term "small entity" as having the same meaning as the terms "small business," "small organization," and "small governmental jurisdiction."⁷ In addition, the term "small business" has the same meaning as the term "small business concern" under the Small Business Act.⁸ A "small business concern" is one which: (1) is independently owned and operated; (2) is not dominant in its field

¹ 5 U.S.C. § 603. The RFA, 5 U.S.C. §§ 601-612 has been amended by the Small Business Regulatory Enforcement Fairness Act of 1996 (SBREFA), Pub. L. No. 104-121, Title II, 110 Stat. 847 (1996).

² *Assessment and Collection of Regulatory Fees for Fiscal Year 2020*, Report and Order and Notice of Proposed Rulemaking, 35 FCC Rcd 4976 (2020) (*Notice*).

³ 5 U.S.C. § 604.

⁴ 47 U.S.C. § 159.

⁵ 47 U.S.C. § 159(a).

⁶ 5 U.S.C. § 603(b)(3).

⁷ 5 U.S.C. § 601(6).

⁸ 5 U.S.C. § 601(3) (incorporating by reference the definition of "small-business concern" in the Small Business Act, 15 U.S.C. § 632). Pursuant to 5 U.S.C. § 601(3), the statutory definition of a small business applies "unless an agency, after consultation with the Office of Advocacy of the Small Business Administration and after opportunity for public comment, establishes one or more definitions of such term which are appropriate to the activities of the agency and publishes such definition(s) in the Federal Register."

of operation; and (3) satisfies any additional criteria established by the SBA.⁹ Nationwide, there are a total of approximately 27.9 million small businesses, according to the SBA.¹⁰

6. *Wired Telecommunications Carriers.* The U.S. Census Bureau defines this industry as “establishments primarily engaged in operating and/or providing access to transmission facilities and infrastructure that they own and/or lease for the transmission of voice, data, text, sound, and video using wired communications networks. Transmission facilities may be based on a single technology or a combination of technologies. Establishments in this industry use the wired telecommunications network facilities that they operate to provide a variety of services, such as wired telephony services, including VoIP services, wired (cable) audio and video programming distribution, and wired broadband internet services. By exception, establishments providing satellite television distribution services using facilities and infrastructure that they operate are included in this industry.”¹¹ The SBA has developed a small business size standard for Wired Telecommunications Carriers, which consists of all such companies having 1,500 or fewer employees.¹² Census data for 2012 shows that there were 3,117 firms that operated that year. Of this total, 3,083 operated with fewer than 1,000 employees.¹³ Thus, under this size standard, most firms in this industry can be considered small.

7. *Local Exchange Carriers (LECs).* Neither the Commission nor the SBA has developed a size standard for small businesses specifically applicable to local exchange services. The closest applicable NAICS code category is Wired Telecommunications Carriers as defined in paragraph 6 of this FRFA. Under the applicable SBA size standard, such a business is small if it has 1,500 or fewer employees.¹⁴ According to Commission data, census data for 2012 shows that there were 3,117 firms that operated that year. Of this total, 3,083 operated with fewer than 1,000 employees.¹⁵ The Commission therefore estimates that most providers of local exchange carrier service are small entities that may be affected by the rules adopted.

8. *Incumbent LECs.* Neither the Commission nor the SBA has developed a small business size standard specifically for incumbent local exchange services. The closest applicable NAICS code category is Wired Telecommunications Carriers as defined in paragraph 6 of this FRFA. Under that size standard, such a business is small if it has 1,500 or fewer employees.¹⁶ According to Commission data, 3,117 firms operated in that year. Of this total, 3,083 operated with fewer than 1,000 employees.¹⁷ Consequently, the Commission estimates that most providers of incumbent local exchange service are small businesses that may be affected by the rules and policies adopted. Three hundred and seven (307)

⁹ 15 U.S.C. § 632.

¹⁰ See SBA, Office of Advocacy, “Frequently Asked Questions,” https://www.sba.gov/sites/default/files/advocacy/SB-FAQ-2016_WEB.pdf.

¹¹ <http://www.census.gov/cgi-bin/sssd/naics/naicsrch>.

¹² See 13 CFR § 120.201, NAICS code 517110.

¹³ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ5&prodType=table.

¹⁴ 13 CFR § 121.201, NAICS code 517110.

¹⁵ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ5&prodType=table.

¹⁶ 13 CFR § 121.201, NAICS code 517110.

¹⁷ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ5&prodType=table.

Incumbent Local Exchange Carriers reported that they were incumbent local exchange service providers.¹⁸ Of this total, an estimated 1,006 have 1,500 or fewer employees.¹⁹

9. *Competitive Local Exchange Carriers (Competitive LECs), Competitive Access Providers (CAPs), Shared-Tenant Service Providers, and Other Local Service Providers.* Neither the Commission nor the SBA has developed a small business size standard specifically for these service providers. The appropriate NAICS code category is Wired Telecommunications Carriers, as defined in paragraph 6 of this FRFA. Under that size standard, such a business is small if it has 1,500 or fewer employees.²⁰ U.S. Census data for 2012 indicate that 3,117 firms operated during that year. Of that number, 3,083 operated with fewer than 1,000 employees.²¹ Based on this data, the Commission concludes that most Competitive LECs, CAPs, Shared-Tenant Service Providers, and Other Local Service Providers, are small entities. According to Commission data, 1,442 carriers reported that they were engaged in the provision of either competitive local exchange services or competitive access provider services.²² Of these 1,442 carriers, an estimated 1,256 have 1,500 or fewer employees.²³ In addition, 17 carriers have reported that they are Shared-Tenant Service Providers, and all 17 are estimated to have 1,500 or fewer employees.²⁴ Also, 72 carriers have reported that they are Other Local Service Providers.²⁵ Of this total, 70 have 1,500 or fewer employees.²⁶ Consequently, based on internally researched FCC data, the Commission estimates that most providers of competitive local exchange service, competitive access providers, Shared-Tenant Service Providers, and Other Local Service Providers are small entities.

10. *Interexchange Carriers (IXCs).* Neither the Commission nor the SBA has developed a definition for Interexchange Carriers. The closest NAICS code category is Wired Telecommunications Carriers as defined in paragraph 6 of this FRFA. The applicable size standard under SBA rules is that such a business is small if it has 1,500 or fewer employees.²⁷ U.S. Census data for 2012 indicates that 3,117 firms operated during that year. Of that number, 3,083 operated with fewer than 1,000 employees.²⁸ According to internally developed Commission data, 359 companies reported that their primary telecommunications service activity was the provision of interexchange services.²⁹ Of this total, an estimated 317 have 1,500 or fewer employees.³⁰ Consequently, the Commission estimates that most interexchange service providers are small entities that may be affected by the rules adopted.

11. *Prepaid Calling Card Providers.* Neither the Commission nor the SBA has developed a small business definition specifically for prepaid calling card providers. The most appropriate NAICS

¹⁸ See *Trends in Telephone Service*, Federal Communications Commission, Wireline Competition Bureau, Industry Analysis and Technology Division at Table 5.3 (Sept. 2010) (*Trends in Telephone Service*).

¹⁹ *Id.*

²⁰ 13 CFR § 121.201, NAICS code 517110.

²¹ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ5&prodType=table.

²² See *Trends in Telephone Service*, at tbl. 5.3.

²³ *Id.*

²⁴ *Id.*

²⁵ *Id.*

²⁶ *Id.*

²⁷ 13 CFR § 121.201, NAICS code 517110.

²⁸ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ5&prodType=table.

²⁹ See *Trends in Telephone Service*, at tbl. 5.3.

³⁰ *Id.*

code-based category for defining prepaid calling card providers is Telecommunications Resellers. This industry comprises establishments engaged in purchasing access and network capacity from owners and operators of telecommunications networks and reselling wired and wireless telecommunications services (except satellite) to businesses and households. Establishments in this industry resell telecommunications; they do not operate transmission facilities and infrastructure. Mobile virtual networks operators (MVNOs) are included in this industry.³¹ Under the applicable SBA size standard, such a business is small if it has 1,500 or fewer employees.³² U.S. Census data for 2012 show that 1,341 firms provided resale services during that year. Of that number, 1,341 operated with fewer than 1,000 employees.³³ Thus, under this category and the associated small business size standard, the majority of these prepaid calling card providers can be considered small entities. According to Commission data, 193 carriers have reported that they are engaged in the provision of prepaid calling cards.³⁴ All 193 carriers have 1,500 or fewer employees.³⁵ Consequently, the Commission estimates that the majority of prepaid calling card providers are small entities that may be affected by the rules adopted.

12. *Local Resellers.* Neither the Commission nor the SBA has developed a small business size standard specifically for Local Resellers. The SBA has developed a small business size standard for the category of Telecommunications Resellers. Under that size standard, such a business is small if it has 1,500 or fewer employees.³⁶ Census data for 2012 show that 1,341 firms provided resale services during that year. Of that number, 1,341 operated with fewer than 1,000 employees.³⁷ Under this category and the associated small business size standard, the majority of these local resellers can be considered small entities. According to Commission data, 213 carriers have reported that they are engaged in the provision of local resale services.³⁸ Of this total, an estimated 211 have 1,500 or fewer employees.³⁹ Consequently, the Commission estimates that the majority of local resellers are small entities that may be affected by the rules adopted.

13. *Toll Resellers.* The Commission has not developed a definition for Toll Resellers. The closest NAICS code Category is Telecommunications Resellers, and the SBA has developed a small business size standard for the category of Telecommunications Resellers.⁴⁰ Under that size standard, such a business is small if it has 1,500 or fewer employees.⁴¹ Census data for 2012 show that 1,341 firms provided resale services during that year. Of that number, 1,341 operated with fewer than 1,000 employees.⁴² Thus, under this category and the associated small business size standard, the majority of these resellers can be considered small entities. According to Commission data, 881 carriers have

³¹ <http://www.census.gov/cgi-bin/ssd/naics/naicsrch>.

³² 13 CFR § 121.201, NAICS code 517911.

³³ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ5&prodType=table.

³⁴ See *Trends in Telephone Service*, at tbl. 5.3.

³⁵ *Id.*

³⁶ 13 CFR § 121.201, NAICS code 517911.

³⁷ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ5&prodType=table.

³⁸ See *Trends in Telephone Service*, at tbl. 5.3.

³⁹ *Id.*

⁴⁰ 13 CFR § 121.201, NAICS code 517911.

⁴¹ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ5&prodType=table.

⁴² *Id.*

reported that they are engaged in the provision of toll resale services.⁴³ Of this total, an estimated 857 have 1,500 or fewer employees.⁴⁴ Consequently, the Commission estimates that the majority of toll resellers are small entities.

14. *Other Toll Carriers.* Neither the Commission nor the SBA has developed a definition for small businesses specifically applicable to Other Toll Carriers. This category includes toll carriers that do not fall within the categories of interexchange carriers, operator service providers, prepaid calling card providers, satellite service carriers, or toll resellers. The closest applicable NAICS code category is for Wired Telecommunications Carriers as defined in paragraph 6 of this FRFA. Under the applicable SBA size standard, such a business is small if it has 1,500 or fewer employees.⁴⁵ Census data for 2012 shows that there were 3,117 firms that operated that year. Of this total, 3,083 operated with fewer than 1,000 employees.⁴⁶ Thus, under this category and the associated small business size standard, most Other Toll Carriers can be considered small. According to internally developed Commission data, 284 companies reported that their primary telecommunications service activity was the provision of other toll carriage.⁴⁷ Of these, an estimated 279 have 1,500 or fewer employees.⁴⁸ Consequently, the Commission estimates that most Other Toll Carriers are small entities.

15. *Wireless Telecommunications Carriers (except Satellite).* This industry comprises establishments engaged in operating and maintaining switching and transmission facilities to provide communications via the airwaves. Establishments in this industry have spectrum licenses and provide services using that spectrum, such as cellular services, paging services, wireless internet access, and wireless video services.⁴⁹ The appropriate size standard under SBA rules is that such a business is small if it has 1,500 or fewer employees. For this industry, Census data for 2012 show that there were 967 firms that operated for the entire year. Of this total, 955 firms had fewer than 1,000 employees. Thus, under this category and the associated size standard, the Commission estimates that the majority of wireless telecommunications carriers (except satellite) are small entities. Similarly, according to internally developed Commission data, 413 carriers reported that they were engaged in the provision of wireless telephony, including cellular service, Personal Communications Service (PCS), and Specialized Mobile Radio (SMR) services.⁵⁰ Of this total, an estimated 261 have 1,500 or fewer employees.⁵¹ Thus, using available data, we estimate that the majority of wireless firms can be considered small.

16. *Television Broadcasting.* This Economic Census category “comprises establishments primarily engaged in broadcasting images together with sound. These establishments operate television broadcasting studios and facilities for the programming and transmission of programs to the public.”⁵² These establishments also produce or transmit visual programming to affiliated broadcast television stations, which in turn broadcast the programs to the public on a predetermined schedule. Programming may originate in their own studio, from an affiliated network, or from external sources. The SBA has

⁴³ *Trends in Telephone Service* at tbl. 5.3.

⁴⁴ *Id.*

⁴⁵ 13 CFR § 121.201, NAICS code 517110.

⁴⁶ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ5&prodType=table.

⁴⁷ *Trends in Telephone Service* at tbl. 5.3.

⁴⁸ *Id.*

⁴⁹ NAICS code 517210. See <http://www.census.gov/cgi-bin/ssd/naics/naicsrch>.

⁵⁰ *Trends in Telephone Service* at tbl. 5.3.

⁵¹ *Id.*

⁵² U.S. Census Bureau, 2012 NAICS code Economic Census Definitions, <http://www.census.gov/cgi-bin/sssd/naics/naicsrch>.

created the following small business size standard for Television Broadcasting firms: those having \$41.5 million or less in annual receipts.⁵³ The 2012 Economic Census reports that 751 television broadcasting firms operated during that year. Of that number, 656 had annual receipts of less than \$25 million per year. Based on that Census data we conclude that most firms that operate television stations are small. The Commission has estimated the number of licensed commercial television stations to be 1,387.⁵⁴ In addition, according to Commission staff review of the BIA Advisory Services, LLC's Media Access Pro Television Database, on March 28, 2012, about 950 of an estimated 1,300 commercial television stations (or approximately 73%) had revenues of \$14 million or less.⁵⁵ We therefore estimate that the majority of commercial television broadcasters are small entities.

17. In assessing whether a business concern qualifies as small under the above definition, business (control) affiliations⁵⁶ must be included. Our estimate, therefore, likely overstates the number of small entities that might be affected by our action, because the revenue figure on which it is based does not include or aggregate revenues from affiliated companies. In addition, an element of the definition of "small business" is that the entity not be dominant in its field of operation. We are unable at this time to define or quantify the criteria that would establish whether a specific television station is dominant in its field of operation. Accordingly, the estimate of small businesses to which rules may apply does not exclude any television station from the definition of a small business on this basis and is therefore possibly over-inclusive to that extent.

18. In addition, the Commission has estimated the number of licensed noncommercial educational television stations to be 396.⁵⁷ These stations are non-profit, and therefore considered to be small entities.⁵⁸ There are also 2,528 low power television stations, including Class A stations (LPTV).⁵⁹ Given the nature of these services, we will presume that all LPTV licensees qualify as small entities under the above SBA small business size standard.

19. *Radio Broadcasting.* This Economic Census category "comprises establishments primarily engaged in broadcasting aural programs by radio to the public. Programming may originate in their own studio, from an affiliated network, or from external sources."⁶⁰ The SBA has established a small business size standard for this category, which is: such firms having \$41.5 million or less in annual receipts.⁶¹ Census data for 2012 show that 2,849 radio station firms operated during that year. Of that number, 2,806 operated with annual receipts of less than \$25 million per year.⁶² According to Commission staff review of BIA Advisory Services, LLC's Media Access Pro Radio Database, on March

⁵³ 13 CFR § 121.201, NAICS code 515120.

⁵⁴ See *FCC News Release*, "Broadcast Station Totals as of March 31, 2017," April 11, 2017; https://apps.fcc.gov/edocs_public/attachmatch/DOC-344256A1.pdf.

⁵⁵ We recognize that BIA's estimate differs slightly from the FCC total.

⁵⁶ "[Business concerns] are affiliates of each other when one concern controls or has the power to control the other or a third party or parties controls or has the power to control both." 13 CFR § 21.103(a)(1).

⁵⁷ See *FCC News Release*, "Broadcast Station Totals as of March 31, 2017," April 11, 2017; https://apps.fcc.gov/edocs_public/attachmatch/DOC-344256A1.pdf.

⁵⁸ See generally 5 U.S.C. §§ 601(4), (6).

⁵⁹ See *FCC News Release*, "Broadcast Station Totals as of March 31, 2017," April 11, 2017; https://apps.fcc.gov/edocs_public/attachmatch/DOC-344256A1.pdf.

⁶⁰ <https://www.census.gov/cgi-bin/sssd/naics/naicsrch>.

⁶¹ 13 CFR § 121.201, NAICS code 515112.

⁶² http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ5&prodType=table.

28, 2012, about 10,759 (97%) of 11,102 commercial radio stations had revenues of \$38.5 million or less. Therefore, most such entities are small entities.

20. In assessing whether a business concern qualifies as small under the above size standard, business affiliations must be included.⁶³ In addition, to be determined to be a “small business,” the entity may not be dominant in its field of operation.⁶⁴ We note that it is difficult at times to assess these criteria in the context of media entities, and our estimate of small businesses may therefore be over-inclusive.

21. *Cable Television and Other Subscription Programming.* This industry comprises establishments primarily engaged in operating studios and facilities for the broadcasting of programs on a subscription or fee basis. The broadcast programming is typically narrowcast in nature (e.g., limited format, such as news, sports, education, or youth-oriented). These establishments produce programming in their own facilities or acquire programming from external sources. The programming material is usually delivered to a third party, such as cable systems or direct-to-home satellite systems, for transmission to viewers.⁶⁵ The SBA has established a size standard for this industry of \$41.5 million or less. Census data for 2012 shows that there were 367 firms that operated that year. Of this total, 319 operated with annual receipts of less than \$25 million.⁶⁶ Thus under this size standard, most firms offering cable and other program distribution services can be considered small and may be affected by rules adopted.

22. *Cable Companies and Systems.* The Commission has developed its own small business size standards for the purpose of cable rate regulation. Under the Commission's rules, a “small cable company” is one serving 400,000 or fewer subscribers nationwide.⁶⁷ The Commission's industry data indicate that there are currently 4,160 active cable systems in the United States.⁶⁸ Of this total, all but ten cable operators nationwide are small under the 400,000-subscriber size standard.⁶⁹ In addition, under the Commission's rate regulation rules, a “small system” is a cable system serving 15,000 or fewer subscribers.⁷⁰ Current Commission records show 4,160 cable systems nationwide.⁷¹ Thus, under this standard as well, we estimate that most cable systems are small entities.

23. *Cable System Operators (Telecom Act Standard).* The Communications Act also contains a size standard for small cable system operators, which is “a cable operator that, directly or through an affiliate, serves in the aggregate fewer than 1% of all subscribers in the United States and is not affiliated with any entity or entities whose gross annual revenues in the aggregate exceed \$250,000,000.”⁷² There are approximately 53 million cable video subscribers in the United States today.⁷³

⁶³ “Concerns and entities are affiliates of each other when one controls or has the power to control the other, or a third party or parties controls or has the power to control both. It does not matter whether control is exercised, so long as the power to control exists.” 13 CFR § 121.103(a)(1) (an SBA regulation).

⁶⁴ 13 CFR § 121.102(b) (an SBA regulation).

⁶⁵ <https://www.census.gov/cgi-bin/sssd/naics/naicsrch>.

⁶⁶ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US-51SSSZ5&prodType=Table.

⁶⁷ 47 CFR § 76.901(e).

⁶⁸ As of July 5, 2018, there were 4,160 active cable systems in the Commission's Cable Operations and Licensing Systems (COALS) database.

⁶⁹ See <https://www.sn1.com/web/client?auth=inherit#industry/topCableMSOs> (last visited July 18, 2017).

⁷⁰ 47 CFR § 76.901(c).

⁷¹ See footnote 2, *supra*.

⁷² 47 CFR § 76.901 (f) and notes ff. 1, 2, and 3.

⁷³ See NCTA Industry Data, Cable's Customer Base, available at <https://www.ncta.com/industry-data> (last visited July 6, 2017).

Accordingly, an operator serving fewer than 524,037 subscribers shall be deemed a small operator if its annual revenues, when combined with the total annual revenues of all its affiliates, do not exceed \$250 million in the aggregate.⁷⁴ Based on available data, we find that all but nine incumbent cable operators are small entities under this size standard.⁷⁵ We note that the Commission neither requests nor collects information on whether cable system operators are affiliated with entities whose gross annual revenues exceed \$250 million.⁷⁶ Although it seems certain that some of these cable system operators are affiliated with entities whose gross annual revenues exceed \$250 million, we are unable at this time to estimate with greater precision the number of cable system operators that would qualify as small cable operators under the definition in the Communications Act.

24. *Direct Broadcast Satellite (DBS) Service.* DBS Service is a nationally distributed subscription service that delivers video and audio programming via satellite to a small parabolic dish antenna at the subscriber's location. DBS is now included in SBA's economic census category "Wired Telecommunications Carriers." The Wired Telecommunications Carriers industry comprises establishments primarily engaged in operating and/or providing access to transmission facilities and infrastructure that they own and/or lease for the transmission of voice, data, text, sound, and video using wired telecommunications networks. Transmission facilities may be based on a single technology or combination of technologies. Establishments in this industry use the wired telecommunications network facilities that they operate to provide a variety of services, such as wired telephony services, including VoIP services, wired (cable) audio and video programming distribution; and wired broadband internet services. By exception, establishments providing satellite television distribution services using facilities and infrastructure that they operate are included in this industry.⁷⁷ The SBA determines that a wireline business is small if it has fewer than 1500 employees.⁷⁸ Census data for 2012 indicate that 3,117 wireline companies were operational during that year. Of that number, 3,083 operated with fewer than 1,000 employees.⁷⁹ Based on that data, we conclude that most wireline firms are small under the applicable standard. However, currently only two entities provide DBS service, AT&T and DISH Network. AT&T and DISH Network each report annual revenues that are in excess of the threshold for a small business. Accordingly, we conclude that DBS service is provided only by large firms.

25. *All Other Telecommunications.* "All Other Telecommunications" is defined as follows: This U.S. industry is comprised of establishments that are primarily engaged in providing specialized telecommunications services, such as satellite tracking, communications telemetry, and radar station operation. This industry also includes establishments primarily engaged in providing satellite terminal stations and associated facilities connected with one or more terrestrial systems and capable of transmitting telecommunications to, and receiving telecommunications from, satellite systems. Establishments providing Internet services or voice over Internet protocol (VoIP) services via client-supplied telecommunications connections are also included in this industry.⁸⁰ The SBA has developed a small business size standard for "All Other Telecommunications," which consists of all such firms with gross annual receipts of \$35 million or less.⁸¹ For this category, census data for 2012 show that there

⁷⁴ 47 CFR § 76.901(f) and notes ff. 1, 2, and 3.

⁷⁵ See <https://www.sn1.com/web/client?auth=inherit#industry/topCableMSOs> (last visited July 18, 2018).

⁷⁶ The Commission does receive such information on a case-by-case basis if a cable operator appeals a local franchise authority's finding that the operator does not qualify as a small cable operator pursuant to section 76.901(f) of the Commission's rules. See 47 CFR § 76.901(f).

⁷⁷ <http://www.census.gov/cgi-bin/sssd/naics/naicsrch>.

⁷⁸ NAICS code 517110; 13 CFR § 121.201.

⁷⁹ http://factfinder.census.gov/faces/tableservices.jasf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ4&prodType=table.

⁸⁰ <http://www.census.gov/cgi-bin/sssd/naics/naicsrch>.

⁸¹ 13 CFR § 121.201; NAICS code 517919.

were 1,442 firms that operated for the entire year. Of these firms, a total of 1,400 had gross annual receipts of less than \$25 million.⁸² Thus, most “All Other Telecommunications” firms potentially affected by the rules adopted can be considered small.

26. *RespOrgs.* RespOrgs, i.e., Responsible Organizations, are entities chosen by toll-free subscribers to manage and administer the appropriate records in the toll-free Service Management System for the toll-free subscriber.⁸³ Although RespOrgs are often wireline carriers, they can also include non-carrier entities. Therefore, in the definition herein of RespOrgs, two categories are presented, i.e., Carrier RespOrgs and Non-Carrier RespOrgs.

27. *Carrier RespOrgs.* Neither the Commission, the U.S. Census, nor the SBA have developed a definition for Carrier RespOrgs. Accordingly, the Commission believes that the closest NAICS code-based definitional categories for Carrier RespOrgs are Wired Telecommunications Carriers⁸⁴ and Wireless Telecommunications Carriers (except satellite).⁸⁵

28. The U.S. Census Bureau defines *Wired Telecommunications Carriers* as establishments primarily engaged in operating and/or providing access to transmission facilities and infrastructure that they own and/or lease for the transmission of voice, data, text, sound, and video using wired communications networks. Transmission facilities may be based on a single technology or a combination of technologies. Establishments in this industry use the wired telecommunications network facilities that they operate to provide a variety of services, such as wired telephony services, including VoIP services, wired (cable) audio and video programming distribution, and wired broadband internet services. By exception, establishments providing satellite television distribution services using facilities and infrastructure that they operate are included in this industry.⁸⁶ The SBA has developed a small business size standard for Wired Telecommunications Carriers, which consists of all such companies having 1,500 or fewer employees.⁸⁷ Census data for 2012 show that there were 3,117 Wired Telecommunications Carrier firms that operated for that entire year. Of that number, 3,083 operated with less than 1,000 employees.⁸⁸ Based on that data, we conclude that most Carrier RespOrgs that operated with wireline-based technology are small.

29. The U.S. Census Bureau defines *Wireless Telecommunications Carriers (except satellite)* as establishments engaged in operating and maintaining switching and transmission facilities to provide communications via the airwaves, such as cellular services, paging services, wireless internet access, and wireless video services.⁸⁹ The appropriate size standard under SBA rules is that such a business is small if it has 1,500 or fewer employees.⁹⁰ Census data for 2012 show that 967 Wireless Telecommunications Carriers operated in that year. Of that number, 955 operated with less than 1,000 employees.⁹¹ Based on

⁸² http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ4&prodType=table.

⁸³ See 47 CFR § 52.101(b)

⁸⁴ 13 CFR § 121.201, NAICS code 517110

⁸⁵ 13 CFR § 121.201, NAICS code 517210.

⁸⁶ <http://www.census.gov/cgi-bin/sssd/naics/naicsrch>.

⁸⁷ 13 CFR § 120.201, NAICS code 517110.

⁸⁸ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ4&prodType=table.

⁸⁹ <http://www.census.gov/cgi-bin/sssd/naics/naicsrch>.

⁹⁰ 13 CFR § 120.201, NAICS code 517120.

⁹¹ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ4&prodType=table.

that data, we conclude that most Carrier RespOrgs that operated with wireless-based technology are small.

30. *Non-Carrier RespOrgs.* Neither the Commission, the Census, nor the SBA have developed a definition of Non-Carrier RespOrgs. Accordingly, the Commission believes that the closest NAICS code-based definitional categories for Non-Carrier RespOrgs are “Other Services Related To Advertising”⁹² and “Other Management Consulting Services.”⁹³

31. The U.S. Census defines *Other Services Related to Advertising* as comprising establishments primarily engaged in providing advertising services (except advertising agency services, public relations agency services, media buying agency services, media representative services, display advertising services, direct mail advertising services, advertising material distribution services, and marketing consulting services.⁹⁴ The SBA has established a size standard for this industry as annual receipts of \$15 million dollars or less.⁹⁵ Census data for 2012 show that 5,804 firms operated in this industry for the entire year. Of that number, 5,249 operated with annual receipts of less than \$10 million.⁹⁶ Based on that data we conclude that most Non-Carrier RespOrgs who provide TFN-related advertising services are small.

32. The U.S. Census defines *Other Management Consulting Services* as establishments primarily engaged in providing management consulting services (except administrative and general management consulting; human resources consulting; marketing consulting; or process, physical distribution, and logistics consulting). Establishments providing telecommunications or utilities management consulting services are included in this industry.⁹⁷ The SBA has established a size standard for this industry of \$15 million dollars or less.⁹⁸ Census data for 2012 show that 3,683 firms operated in this industry for that entire year. Of that number, 3,632 operated with less than \$10 million in annual receipts.⁹⁹ Based on this data, we conclude that most non-carrier RespOrgs who provide TFN-related management consulting services are small.¹⁰⁰

33. In addition to the data contained in the four (see above) U.S. Census NAICS code categories that provide definitions of what services and functions the Carrier and Non-Carrier RespOrgs provide, Somos, the trade association that monitors RespOrg activities, compiled data showing that as of July 1, 2016, there were 23 RespOrgs operational in Canada and 436 RespOrgs operational in the United States, for a total of 459 RespOrgs currently registered with Somos.¹⁰¹

E. E. Description of Projected Reporting, Recordkeeping and Other Compliance

⁹² 13 CFR § 120.201, NAICS code 541890.

⁹³ 13 CFR § 120.201, NAICS code 541618.

⁹⁴ <http://www.census.gov/cgi-bin/sssd/naics/naicsrch>.

⁹⁵ 13 CFR § 120.201, NAICS code 541890.

⁹⁶ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ4&prodType=table.

⁹⁷ <http://www.census.gov/cgi-bin/sssd/naics/naicsrch>.

⁹⁸ 13 CFR § 120.201, NAICS code 514618.

⁹⁹ http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51SSSZ4&prodType=table.

¹⁰⁰ The four NAICS code-based categories selected above to provide definitions for Carrier and Non-Carrier RespOrgs were selected because as a group they refer generically and comprehensively to all RespOrgs. Therefore, all RespOrgs, including those not identified specifically or individually, must comply with the rules adopted in the Regulatory Fees Report and Order associated with this Final Regulatory Flexibility Analysis.

¹⁰¹ Email from Jennifer Blanchard, Somos, July 1, 2016.

Requirements

34. This Report and Order does not adopt any new reporting, recordkeeping, or other compliance requirements.

F. Steps Taken to Minimize Significant Economic Impact on Small Entities and Significant Alternatives Considered

35. The RFA requires an agency to describe any significant alternatives that it has considered in reaching its approach, which may include the following four alternatives, among others: (1) the establishment of differing compliance or reporting requirements or timetables that take into account the resources available to small entities; (2) the clarification, consolidation, or simplification of compliance or reporting requirements under the rule for small entities; (3) the use of performance, rather than design, standards; and (4) an exemption from coverage of the rule, or any part thereof, for small entities.¹⁰²

36. This Report and Order adopts the proposals in the *Notice* to collect \$339,000,000 in regulatory fees for FY 2020, as detailed in the fee schedules in Appendix C, including the following: (i) An increase in the DBS fee rate to 72 cents per subscriber, per year, based on the Media Bureau FTEs devoted to issues that include DBS. The two DBS providers, AT&T and DISH are not small entities. (ii) The implementation of the new methodology for calculating the full power broadcast television regulatory fees based on the actual population, which the Commission initially adopted in FY 2018 and was transitioning in over two years. Basing the fee on actual population should offer relief to smaller broadcasters, which may include small entities. (iii) An exemption from regulatory fees for non-U.S. licensed space stations that are listed as a point of communication on earth stations onboard vessels (ESV) licenses if the ESV license clearly limits U.S. licensed ESV terminals' access to these non-U.S. licensed space stations to situations in which these terminals are in foreign territories and/or international waters and the license does not otherwise allow the non-U.S. licensed space station access to the U.S. market. This exemption could benefit non-U.S. licensed space stations that are small entities. (iv) The revision of the allocation of IBC fees between submarine cable and terrestrial and satellite IBCs from 87.6%-12.4% to 95%-5%. Any terrestrial or satellite operator with IBCs will benefit. (v) The Report and Order notes that the Media Bureau has granted waivers to allow VHF stations that demonstrate signal disruptions to exceed the maximum power level specified for channels 2-6 in 73.622(f)(6) and for channels 7-13 in 73.622(f)(7) and, accordingly, will assess the regulatory fees for those VHF stations that are licensed with a power level that exceeds the maximum based on the maximum power level specified for channels 2-6 in 73.622(f)(6) and for channels 7-13 in 73.622(f)(7). To the extent that VHF stations in these circumstances are small entities, this could provide regulatory fee relief. (vi) The adopts two targeted measures to provide relief to Puerto Rico broadcasters. *First*, we account for the objectively measurable reduction in population by reducing the population counts used in TVStudy by 16.9%, which reflects the decline between the last census in 2010 and the current population estimate. *Second*, we limit the market served by a primary television stations and commonly owned satellite broadcast stations in Puerto Rico to no more than 3.10 million people, the latest population estimate. Thus, the fee for television broadcasters and commonly owned satellites, using the proposed population fee of \$.007837, would not exceed \$24,300. (vii) The Order adopts streamlined processes for fee payors that have experienced financial hardship as a result of the Covid-19 pandemic to seek relief and will provide for lowered interest charges on installment payment plans. This could benefit small businesses that experienced financial hardship due to the Covid-19 pandemic.

37. In keeping with the requirements of the Regulatory Flexibility Act, we have considered certain alternative means of mitigating the effects of fee increases to a particular industry segment. For example, the de minimis threshold is \$1,000, which will impact many small entities that pay regulatory fees. This de minimis threshold will relieve regulatees both financially and administratively. Regulatees may also seek waivers or other relief on the basis of financial hardship. *See* 47 CFR §1.1166.

¹⁰² 5 U.S.C. § 603(c)(1)–(c)(4).

APPENDIX J

Initial Regulatory Flexibility Analysis

1. As required by the Regulatory Flexibility Act of 1980, as amended (RFA),¹ the Commission prepared this Initial Regulatory Flexibility Analysis (IRFA) of the possible significant economic impact on small entities by the policies and rules proposed in the Further Notice of Proposed Rulemaking (*Further Notice*). Written comments are requested on this IRFA. Comments must be identified as responses to the IRFA and must be filed by the deadline for comments on this *Further Notice*. The Commission will send a copy of the *Notice*, including the IRFA, to the Chief Counsel for Advocacy of the Small Business Administration (SBA).² In addition, the *Further Notice* and IRFA (or summaries thereof) will be published in the Federal Register.³

G. Need for, and Objectives of, the Proposed Rules

2. The *Further Notice* seeks comment on a regulatory fee issue raised by commenters for fiscal year (FY) 2021. In the *Further Notice*, the Commission seeks comment on four proposals to differentiate regulatory fees for different types of nongeostationary orbit satellite (NGSO) systems. The Commission seeks comment on a proposed formula to determine NGSO regulatory fees: x (number of operating satellites) multiplied by y (total transmit bandwidth) = index value. The Commission also seeks comment on separating large and small NGSO systems into different categories, based on the number of satellites in each system. In addition, the Commission seeks comment on a proposal to divide NGSO systems into categories: fixed-satellite service (FSS); mobile-satellite service (MSS); and remote sensing, Earth-exploration satellite service (EESS), and other NGSO systems. Finally, the Commission seeks comment on assessing a nominal fee for NGSO systems with five or fewer U.S. licensed earth stations for telemetry, tracking, and command (TT&C) and non-domestic data downlink purposes, on a per earth station basis at the same rate as earth station licenses. The Commission seeks comment on these four proposals for different regulatory fee categories of NGSO systems for FY 2021.

H. Legal Basis

3. This action, including publication of proposed rules, is authorized under sections (4)(i) and (j), 159, and 303(r) of the Communications Act of 1934, as amended.⁴

I. Description and Estimate of the Number of Small Entities to Which the Proposed Rules Will Apply

4. The RFA directs agencies to provide a description of, and where feasible, an estimate of the number of small entities that may be affected by the proposed rules and policies, if adopted.⁵ The RFA generally defines the term “small entity” as having the same meaning as the terms “small business,” “small organization,” and “small governmental jurisdiction.”⁶ In addition, the term “small business” has the same meaning as the term “small business concern” under the Small Business Act.⁷ A “small

¹ 5 U.S.C. § 603. The RFA, 5 U.S.C. §§ 601-612 has been amended by the Small Business Regulatory Enforcement Fairness Act of 1996 (SBREFA), Pub. L. No. 104-121, Title II, 110 Stat. 847 (1996).

² 5 U.S.C. § 603(a).

³ *Id.*

⁴ 47 U.S.C. §§ 154(i) and (j), 159, and 303(r).

⁵ 5 U.S.C. § 603(b)(3).

⁶ 5 U.S.C. § 601(6).

⁷ 5 U.S.C. § 601(3) (incorporating by reference the definition of “small-business concern” in the Small Business Act, 15 U.S.C. § 632). Pursuant to 5 U.S.C. § 601(3), the statutory definition of a small business applies “unless an agency, after consultation with the Office of Advocacy of the Small Business Administration and after opportunity
(continued....)

business concern” is one which: (1) is independently owned and operated; (2) is not dominant in its field of operation; and (3) satisfies any additional criteria established by the SBA.⁸

5. *Small Businesses, Small Organizations, Small Governmental Jurisdictions.* Our actions, over time, may affect small entities that are not easily categorized at present. We therefore describe here, at the outset, three broad groups of small entities that could be directly affected herein.⁹ First, while there are industry specific size standards for small businesses that are used in the regulatory flexibility analysis, according to data from the SBA’s Office of Advocacy, in general a small business is an independent business having fewer than 500 employees.¹⁰ These types of small businesses represent 99.9% of all businesses in the United States which translates to 28.8 million businesses.¹¹

6. Next, the type of small entity described as a “small organization” is generally “any not-for-profit enterprise which is independently owned and operated and is not dominant in its field.”¹² Nationwide, as of August 2016, there were approximately 356,494 small organizations based on registration and tax data filed by nonprofits with the Internal Revenue Service (IRS).¹³

7. Finally, the small entity described as a “small governmental jurisdiction” is defined generally as “governments of cities, counties, towns, townships, villages, school districts, or special districts, with a population of less than fifty thousand.”¹⁴ U.S. Census Bureau data from the 2012 Census of Governments¹⁵ indicate that there were 90,056 local governmental jurisdictions consisting of general purpose governments and special purpose governments in the United States.¹⁶ Of this number there were

for public comment, establishes one or more definitions of such term which are appropriate to the activities of the agency and publishes such definition(s) in the Federal Register.”

⁸ 15 U.S.C. § 632.

⁹ See 5 U.S.C. § 601(3)-(6).

¹⁰ See SBA, Office of Advocacy, “Frequently Asked Questions, Question 1 – What is a small business?” https://www.sba.gov/sites/default/files/advocacy/SB-FAQ-2016_WEB.pdf (June 2016).

¹¹ See SBA, Office of Advocacy, “Frequently Asked Questions, Question 2- How many small businesses are there in the U.S.?” https://www.sba.gov/sites/default/files/advocacy/SB-FAQ-2016_WEB.pdf (June 2016).

¹² 5 U.S.C. § 601(4).

¹³ Data from the Urban Institute, National Center for Charitable Statistics (NCCS) reporting on nonprofit organizations registered with the IRS was used to estimate the number of small organizations. Reports generated using the NCCS online database indicated that as of August 2016 there were 356,494 registered nonprofits with total revenues of less than \$100,000. Of this number, 326,897 entities filed tax returns with 65,113 registered nonprofits reporting total revenues of \$50,000 or less on the IRS Form 990-N for Small Exempt Organizations and 261,784 nonprofits reporting total revenues of \$100,000 or less on some other version of the IRS Form 990 within 24 months of the August 2016 data release date. See <http://nccs.urban.org/sites/all/nccs-archive/html/tablewiz/tw.php> where the report showing this data can be generated by selecting the following data fields: Report: “The Number and Finances of All Registered 501(c) Nonprofits”; Show: “Registered Nonprofits”; By: “Total Revenue Level (years 1995, Aug to 2016, Aug)”; and For: “2016, Aug” then selecting “Show Results.”

¹⁴ 5 U.S.C. § 601(5).

¹⁵ See 13 U.S.C. § 161. The Census of Government is conducted every five (5) years compiling data for years ending with “2” and “7”. See also Program Description Census of Government <https://factfinder.census.gov/faces/affhelp/jsf/pages/metadata.xhtml?lang=en&type=program&id=program.en.COG#>

¹⁶ See U.S. Census Bureau, 2012 Census of Governments, Local Governments by Type and State: 2012 - United States-States, <https://factfinder.census.gov/bkmk/table/1.0/en/COG/2012/ORG02.US01>. Local governmental jurisdictions are classified in two categories - General purpose governments (county, municipal and town or township) and Special purpose governments (special districts and independent school districts).

37, 132 General purpose governments (county¹⁷, municipal and town or township¹⁸) with populations of less than 50,000 and 12,184 Special purpose governments (independent school districts¹⁹ and special districts²⁰) with populations of less than 50,000. The 2012 U.S. Census Bureau data for most types of governments in the local government category show that the majority of these governments have populations of less than 50,000.²¹ Based on this data we estimate that at least 49,316 local government jurisdictions fall in the category of “small governmental jurisdictions.”²² Governmental entities are, however, exempt from application fees.²³

8. *All Other Telecommunications.* “All Other Telecommunications” is defined as follows: This U.S. industry is comprised of establishments that are primarily engaged in providing specialized telecommunications services, such as satellite tracking, communications telemetry, and radar station operation. This industry also includes establishments primarily engaged in providing satellite terminal stations and associated facilities connected with one or more terrestrial systems and capable of transmitting telecommunications to, and receiving telecommunications from, satellite systems. Establishments providing Internet services or Voice over Internet Protocol (VoIP) services via client-supplied telecommunications connections are also included in this industry.²⁴ The SBA has developed a small business size standard for “All Other Telecommunications,” which consists of all such firms with gross annual receipts of \$35 million or less.²⁵ For this category, census data for 2012 show that there were 1,442 firms that operated for the entire year. Of these firms, a total of 1,400 had gross annual receipts of less than \$25 million.²⁶ Thus, a majority of “All Other Telecommunications” firms potentially affected by the proposals in the *Further Notice* can be considered small.

¹⁷ See U.S. Census Bureau, 2012 Census of Governments, County Governments by Population-Size Group and State: 2012 - United States-States. <https://factfinder.census.gov/bkmk/table/1.0/en/COG/2012/ORG06.US01>. There were 2,114 county governments with populations less than 50,000.

¹⁸ See U.S. Census Bureau, 2012 Census of Governments, Subcounty General-Purpose Governments by Population-Size Group and State: 2012 - United States – States. <https://factfinder.census.gov/bkmk/table/1.0/en/COG/2012/ORG07.US01>. There were 18,811 municipal and 16,207 town and township governments with populations less than 50,000.

¹⁹ See U.S. Census Bureau, 2012 Census of Governments, Elementary and Secondary School Systems by Enrollment-Size Group and State: 2012 - United States-States. <https://factfinder.census.gov/bkmk/table/1.0/en/COG/2012/ORG11.US01>. There were 12,184 independent school districts with enrollment populations less than 50,000.

²⁰ See U.S. Census Bureau, 2012 Census of Governments, Special District Governments by Function and State: 2012 - United States-States. <https://factfinder.census.gov/bkmk/table/1.0/en/COG/2012/ORG09.US01>. [The U.S. Census Bureau data did not provide a population breakout for special district governments.](#)

²¹ See U.S. Census Bureau, 2012 Census of Governments, County Governments by Population-Size Group and State: 2012 - United States-States - <https://factfinder.census.gov/bkmk/table/1.0/en/COG/2012/ORG06.US01>; Subcounty General-Purpose Governments by Population-Size Group and State: 2012 - United States–States - <https://factfinder.census.gov/bkmk/table/1.0/en/COG/2012/ORG07.US01>; and Elementary and Secondary School Systems by Enrollment-Size Group and State: 2012 - United States-States. <https://factfinder.census.gov/bkmk/table/1.0/en/COG/2012/ORG11.US01>. [While U.S. Census Bureau data did not provide a population breakout for special district governments, if the population of less than 50,000 for this category of local government is consistent with the other types of local governments the majority of the 38, 266 special district governments have populations of less than 50,000.](#)

²² *Id.*

²³ 47 U.S.C. § 158(d)(1)(A).

²⁴ <http://www.census.gov/cgi-bin/sssd/naics/naicsrch>.

²⁵ 13 CFR § 121.201; NAICs code 517919.

²⁶ <https://factfinder.census.gov/faces/tableservices.jasf/pages/productview.xhtml?>

(continued....)

J. Description of Projected Reporting, Recordkeeping and Other Compliance Requirements for Small Entities

9. This *Further Notice* does not propose any changes to the Commission's current information collection, reporting, recordkeeping, or compliance requirements.

K. Steps Taken to Minimize Significant Economic Impact on Small Entities, and Significant Alternatives Considered

10. The RFA requires an agency to describe any significant alternatives that it has considered in reaching its approach, which may include the following four alternatives, among others: (1) the establishment of differing compliance or reporting requirements or timetables that take into account the resources available to small entities; (2) the clarification, consolidation, or simplification of compliance or reporting requirements under the rule for small entities; (3) the use of performance, rather than design, standards; and (4) an exemption from coverage of the rule, or any part thereof, for small entities.²⁷

11. The *Further Notice* seeks comment on four proposals for NGSO regulatory fee categories for FY 2021. The Commission will release a Notice of Proposed Rulemaking for all regulatory fees for fiscal year 2021; the *Further Notice* will give parties an opportunity to file comments on this issue prior to the annual Notice of Proposed Rulemaking. If any of these proposals are adopted, it may reduce the regulatory fee burden on some satellite entities. In addition, the section 9(e)(2) annual regulatory fee exemption of \$1,000 will reduce burdens on small entities with annual regulatory fees that total \$1,000 or less.

L. Federal Rules that May Duplicate, Overlap, or Conflict with the Proposed Rules

12. None.

[pid+ECN_2012_US.51SSSZ4&prodType=table.](#)

²⁷ 5 U.S.C. § 603(c)(1)–(c)(4).

APPENDIX K

Rule Changes

Part 1 of Title 47 of the Code of Federal Regulations is amended to read as follows:

PART 1 – PRACTICE AND PROCEDURE

The authority citation for part 1 continues to read as follows:

Authority: 47 U.S.C. 151, 154(i), 155, 157, 160, 201, 225, 227, 303, 309, 332, 1403, 1404, 1451, 1452, and 1455; Sec. 102(c), Div. P, Pub. L. 115-141, 132 Stat. 1084, unless otherwise noted.

1. Section 1.1151 of the Commission’s rules is revised to read as follows:

§1.1151 Authority to prescribe and collect regulatory fees.

Authority to impose and collect regulatory fees is contained in section 9 of the Communications Act, as amended by sections 101-103 of title I of the Consolidated Appropriations Act of 2018 (Pub. L 115-141, 132 Stat. 1084), 47 U.S.C. 159, which directs the Commission to prescribe and collect annual regulatory fees to recover the cost of carrying out the functions of the Commission.

2. Section 1.1152 is revised to read as follows:

§ 1.1152 Schedule of annual regulatory fees for wireless radio services.

Exclusive use services (per license)	Fee Amount ²⁸
1. Land Mobile (Above 470 MHz and 220 MHz Local, Base Station & SMRS) (47 CFR part 90)	
a)New, Renew/Mod (FCC 601 & 159)	\$25.00
b) New, Renew/Mod (Electronic Filing) (FCC 601 & 159)	\$25.00
c)Renewal Only (FCC 601 & 159)	\$25.00
d)Renewal Only (Electronic Filing) (FCC 601 & 159)	\$25.00

²⁸ Note that “small fees” are collected in advance for the entire license term. Therefore, the annual fee amount shown in this table that is a small fee (categories 1 through 5) must be multiplied by the 5-or 10-year license term, as appropriate, to arrive at the total amount of regulatory fees owed. Also, application fees may apply as detailed in § 1.1102 of this chapter.

220 MHz Nationwide	\$25.00
a)New, Renew/Mod (FCC 601 & 159)	
b)New, Renew/Mod (Electronic Filing) (FCC 601 & 159)	\$25.00
c)Renewal Only (FCC 601 & 159)	\$25.00
d)Renewal Only (Electronic Filing) (FCC 601 & 159)	\$25.00
2. Microwave (47 CFR Pt. 101) (Private)	
a)New, Renew/Mod (FCC 601 & 159)	\$25.00
b)New, Renew/Mod (Electronic Filing) (FCC 601 & 159)	\$25.00
c)Renewal Only (FCC 601 & 159)	\$25.00
d)Renewal Only (Electronic Filing) (FCC 601 & 159)	\$25.00
3. Shared Use Services	
Land Mobile (Frequencies Below 470 MHz – except 220 MHz)	
a)New, Renew/Mod (FCC 601 & 159)	\$10.00
b) New, Renew/Mod (Electronic Filing) (FCC 601 & 159)	\$10.00
c)Renewal Only (FCC 601 & 159)	\$10.00
d)Renewal Only (Electronic Filing) (FCC 601 & 159)	\$10.00

Rural Radio (Part 22)

a)New, Additional Facility,
Major Renew/Mod
(Electronic Filing)
(FCC 601 & 159) \$10.00

b)Renewal, Minor Renew/Mod
(Electronic Filing)
(FCC 601 & 159) \$10.00

Marine Coast

a)New Renewal/Mod
(FCC 601 & 159) \$40.00

b)New, Renewal/Mod
(Electronic Filing)
(FCC 601 & 159) \$40.00

c)Renewal Only
(FCC 601 & 159) \$40.00

d)Renewal Only
(Electronic Filing)
(FCC 601 & 159) \$40.00

Aviation Ground

a)New, Renewal/Mod
(FCC 601 & 159) \$20.00

b)New, Renewal/Mod
(Electronic Filing)
(FCC 601 & 159) \$20.00

c)Renewal Only
(FCC 601 & 159) \$20.00

d)Renewal Only
(Electronic Only)
(FCC 601 & 159) \$20.00

Marine Ship

a)New, Renewal/Mod
(FCC 605 & 159) \$15.00

b)New, Renewal/Mod
(Electronic Filing)
(FCC 605 & 159) \$15.00

c)Renewal Only (FCC 605 & 159)	\$15.00
d)Renewal Only (Electronic Filing) (FCC 605 & 159)	\$15.00
Aviation Aircraft	
a)New, Renew/Mod (FCC 605 & 159)	\$10.00
b)New, Renew/Mod (Electronic Filing) (FCC 605 & 159)	\$10.00
c)Renewal Only (FCC 605 & 159)	\$10.00
d)Renewal Only (Electronic Filing) (FCC 605 & 159)	\$10.00
4. CMRS Cellular/Mobile Services (per unit) (FCC 159)	\$.17 ²⁹
5. CMRS Messaging Services (per unit) (FCC 159)	\$.08 ³⁰
6. Broadband Radio Service (formerly MMDS and MDS)	\$ 560
7. Local Multipoint Distribution Service	\$ 560

3. Section 1.1153 is revised to read as follows:

§ 1.1153 Schedule of annual regulatory fees and filing locations for mass media services.

Radio [AM and FM] (47 CFR part 73)

Fee Amount

1. AM Class A

²⁹ These are standard fees that are to be paid in accordance with § 1.1157(b) of this chapter.

³⁰ These are standard fees that are to be paid in accordance with § 1.1157(b) of this chapter.

	<=25,000 population	\$975
	25,001-75,000 population	\$1,475
	75,001-150,000 population	\$2,200
	150,001-500,000 population	\$3,300
	500,001-1,200,000 population	\$4,925
	1,200,001-3,000,000 population	\$7,400
	3,000,001-6,000,000 population	\$11,100
	>6,000,000 population	\$16,675
2.	<u>AM Class B</u>	
	<=25,000 population	\$700
	25,001-75,000 population	\$1,050
	75,001-150,000 population	\$1,575
	150,001-500,000 population	\$2,375
	500,001-1,200,000 population	\$3,550
	1,200,001-3,000,000 population	\$5,325
	3,000,001-6,000,000 population	\$7,975
	>6,000,000 population	\$11,975
3.	<u>AM Class C</u>	
	<=25,000 population	\$610
	25,001-75,000 population	\$915
	75,001-150,000 population	\$1,375
	150,001-500,000 population	\$2,050
	500,001-1,200,000 population	\$3,075
	1,200,001-3,000,000 population	\$4,625
	3,000,001-6,000,000 population	\$6,950
	>6,000,000 population	\$10,425
4.	<u>AM Class D</u>	
	<=25,000 population	\$670
	25,001-75,000 population	\$1,000
	75,001-150,000 population	\$1,500
	150,001-500,000 population	\$2,275
	500,001-1,200,000 population	\$3,400
	1,200,001-3,000,000 population	\$5,100
	3,000,001-6,000,000 population	\$7,625
	>6,000,000 population	\$11,450
5.	AM Construction Permit	\$610
6.	<u>FM Classes A, B1 and C3</u>	
	<=25,000 population	\$1,075
	25,001-75,000 population	\$1,625
	75,001-150,000 population	\$2,425
	150,001-500,000 population	\$3,625
	500,001-1,200,000 population	\$5,450
	1,200,001-3,000,000 population	\$8,175
	3,000,001-6,000,000 population	\$12,250
	>6,000,000 population	\$18,375
7.	<u>FM Classes B, C, C0, C1 and C2</u>	

<=25,000 population	\$1,225
25,001-75,000 population	\$1,850
75,001-150,000 population	\$2,750
150,001-500,000 population	\$4,150
500,001-1,200,000 population	\$6,200
1,200,001-3,000,000 population	\$9,300
3,000,001-6,000,000 population	\$13,950
>6,000,000 population	\$20,925
8. FM Construction Permits	\$1,075

TV (47 CFR, part 73)**Digital TV (UHF and VHF Commercial Stations)**

1. Digital TV Construction Permits	\$4,950
2. Television Fee Factor	\$.007837 per population count

**Low Power TV, Class A TV, TV/FM
Translator, & TV/FM Booster
(47 CFR part 74)** \$ 315

4. Section 1.1154 is revised to read as follows:

§ 1.1154 Schedule of annual regulatory charges for common carrier services.

Radio Facilities	Fee Amount
1. Microwave (Domestic Public Fixed) (Electronic Filing) (FCC Form 601 & 159)	\$25.00

Carriers

1. Interstate Telephone Service Providers (per interstate and international end-user revenues (see FCC Form 499-A))	\$.00321
2. Toll Free Number Fee	\$.12 per Toll Free Number

5. Section 1.1155 is revised to read as follows:

§ 1.1155 Schedule of regulatory fees for cable television services.

	Fee Amount
1. Cable Television Relay Service	\$1,300
2. Cable TV System, Including IPTV	\$.89

(per subscriber)

- 3. Direct Broadcast Satellite (DBS) \$.72 per subscriber

6. Section 1.1156 is revised to read as follows:

§ 1.1156 Schedule of regulatory fees for international services.

a. The following schedule applies for the listed services:

Fee Category	Fee Amount
Space Stations (Geostationary Orbit)	\$98,125
Space Stations (Non-Geostationary Orbit)	\$223,500
Earth Stations: Transmit/Receive & Transmit only (per authorization or registration)	\$560

b. *International Terrestrial and Satellite.* Regulatory fees for International Bearer Circuits are to be paid by facilities-based common carriers that have active (used or leased) international bearer circuits as of December 31 of the prior year in any terrestrial or satellite transmission facility for the provision of service to an end user or resale carrier, which includes active circuits to themselves or to their affiliates. In addition, non-common carrier terrestrial and satellite operators must pay a fee for each circuit sold or leased to any customer, including themselves or their affiliates, other than an international common carrier authorized by the Commission to provide U.S. international common carrier services. “Active circuits” for these purposes include backup and redundant circuits. In addition, whether circuits are used specifically for voice or data is not relevant in determining that they are active circuits.

The fee amount, per active Gbps circuit will be determined for each fiscal year.

International Terrestrial and Satellite (capacity as of December 31, 2019)	Fee Amount
Terrestrial Common Carrier and Non Common Carrier Satellite Common Carrier and Non-Common Carrier	\$41 per Gbps circuit

c. *Submarine cable:* Regulatory fees for submarine cable systems will be paid annually, per cable landing license, for all submarine cable systems operating as of December 31 of the prior year. The fee amount will be determined by the Commission for each fiscal year.

FY 2020 International Bearer Circuits - Submarine Cable Systems

Submarine Cable Systems (capacity as of December 31, 2019)	Fee Ratio	FY 2020 Regulatory Fees
Less than 50 Gbps	.0625 Units	\$13,450
50 Gbps or greater, but less than 250 Gbps	.125 Units	\$26,875

250 Gbps or greater, but less than 1,500 Gbps	.25 Units	\$53,750
1,500 Gbps or greater, but less than 3,500 Gbps	.5 Units	\$107,500
3,500 Gbps or greater, but less than 6,500 Gbps	1.0 Unit	\$215,000
6,500 Gbps or greater	2.0 Units	\$430,000