### Avista Corp.

1411 East Mission P.O. Box 3727 Spokane. Washington 99220-0500 Telephone 509-489-0500 Toll Free 800-727-9170

October 15, 2020

Diane Hanian, Secretary Idaho Public Utilities Commission 11331 W. Chinden Blvd. Bldg. 8, Ste. 201-A Boise, Idaho 83714

RE: Case No. AVU-E-20-10

Dear Ms. Hanian:

Attached for filing with the Commission is Avista Corporation's, doing business as Avista Utilities' ("Avista or "the Company") filing in compliance with Order Nos. 32697 and 32802, to update the Company's load forecast, natural gas forecast, and contract information components of the incremental cost Integrated Resource Plan (IRP) avoided cost methodology.

The Company has not included in this filing the capacity deficiency date per recommendation number four (4) in Case No. AVU-E-19-01. Avista will be filing, under separate letter the establishment of its capacity deficiency period to be used for avoided cost calculations. The Company will also file an updated capacity deficiency report after acknowledgment of its 2020 IRP to establish a new deficiency date for the SAR avoided capacity cost.

Please direct any questions regarding this filing to John Lyons at 509-495-8515.

Sincerely,

# Is/Shawn Bonfield

Shawn Bonfield
Sr. Manager of Regulatory Policy & Strategy
Avista Utilities
509-495-2782
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Enclosure

Michael G. Andrea (ISB No. 8308) Senior Counsel Avista Corporation 1411 East Mission, MSC-17 Spokane, WA 99202 Phone: (509) 495-2564

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Attorney for Avista Corporation

# BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

IN THE MATTER OF AVISTA CORPORATION'S)	CASE NO. AVU-E-20-10
ANNUAL COMPLIANCE FILING TO UPDATE )	
THE LOAD AND GAS FORECASTS IN THE )	
INCREMENTAL COST INTEGRATED )	
RESOURCE PLAN AVOIDED COST MODEL )	
TO BE USED FOR AVOIDED COST	
CALCULATIONS )	

AVISTA CORPORATION'S COMPLIANCE FILING

32697, the Commission directed that after the filing of a utility's IRP that a case be initiated to determine the capacity deficiency period to be utilized in the Surrogate Avoided Resource (SAR) Methodology.<sup>3</sup>

### III. LOAD FORECAST

The Company's most recent peak and energy forecast was developed in the summer of 2020. The recent energy load forecast escalates at 0.2 percent annual average growth rate for 2021 through 2041. The peak forecast growth rate 0.37 percent in winter and 0.44% for summer for the 2021 through 2041 period.

Table 1: Peak and Energy Load Forecast

Year	Energy (aMW)	1-Hour Peak (MW)
2021	1,097	1,712
2022	1,102	1,719
2023	1,106	1,725
2024	1,107	1,729
2025	1,114	1,733
2026	1,117	1,738
2027	1,119	1,742
2028	1,121	1,746
2029	1,124	1,751
2030	1,125	1,756
2031	1,127	1,761
2032	1,128	1,766
2033	1,130	1,771
2034	1,131	1,777
2035	1,133	1,783
2036	1,135	1,789
2037	1,137	1,796
2038	1,139	1,804
2039	1,141	1,812
2040	1,144	1,821
2041	1,147	1,830

<sup>&</sup>lt;sup>3</sup> Order No. 32697 page 23.

# IV. NATURAL GAS FORECAST

The Company's most recent Forward Price Curve was developed using the blend of two national price forecasting consultant's most recent forecasts, the U.S. Energy Information Administration's Annual Energy Outlook (AEO), and forward market prices as of June 30, 2020. Please refer to Table 2 for the natural gas price forecast.

Table 2: Natural Gas Price Forecast

*	Henry Hub	Stanfiald
3.7		Stanfield
Year	(\$/mmbtu)	(\$/mmbtu)
2021	2.61	2.08
2022	2.43	1.90
2023	2.50	1.79
2024	2.68	1.90
2025	2.97	2.27
2026	3.39	2.67
2027	3.56	2.89
2028	3.75	3.09
2029	3.94	3.26
2030	4.10	3.43
2031	4.22	3.60
2032	4.39	3.74
2033	4.63	4.00
2034	4.85	4.22
2035	5.02	4.34
2036	5.19	4.50
2037	5.42	4.72
2038	5.55	4.88
2039	5.82	4.23
2040	6.02	5.30
2041	6.03	5.32

### V. CONTRACT ADDITIONS AND TERMINATIONS

Since the 2019 filing Avista's has signed five new long-term PURPA contracts and one PPA purchase. The PURPA contracts include continued hydroelectric contracts with the City of Spokane, Meyers Falls and Sheep Creek; a continued biomass contract with Stimson Lumber, and a new solar contract with Great Northern. The PPA is for a battery with Purcell. Little or no power is expected to be delivered under this PAA. The PPA is to account for any power that seller might inadvertently deliver while it is testing its battery systems. To date, seller has not delivered any power under this PPA.

### VI. MODIFIED PROCEDURE

A hearing is not necessary to consider the issues presented herein and, therefore, Avista respectfully requests that this Application be processed under Modified Procedure, i.e., by written submissions rather than by hearing. RP 201 et seq. If the Commission determines that a technical hearing is necessary, the Company is prepared to present testimony in such hearing.

#### VII. REQUEST

Avista respectfully submits this updated load forecast, natural gas forecast, and contract information in compliance with Order Nos. 32697 and 32802. The Company respectfully requests that the Commission issue an order accepting its updated load forecast, natural gas forecast, and contract information.

DATED at Spokane, Washington, this 15th day of October, 2020.

**AVISTA CORPORATION** 

/s/ Michael G. Andrea Michael G. Andrea Senior Counsel

1- Hour Pea	L /MANA/N													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Peak	
i cai	Jan	1 60	Wai	Aþi	may	oun	oui	Aug	ОСР	000	1404	Dec	1 can	
2021	1,712	1,611	1,492	1,327	1,331	1,458	1,616	1,608	1,386	1,361	1,545	1,703	1,712	
2022	1,719	1,619	1,499	1,333	1,339	1,466	1,626	1,618	1,394	1,367	1,552	1,711	1,719	
2023	1,725	1,624	1,504	1,338	1,345	1,473	1,633	1,625	1,400	1,372	1,557	1,717	1,725	
2024	1,729	1,628	1,508	1,341	1,349	1,477	1,638	1,630	1,405	1,375	1,561	1,721	1,729	
2025	1,733	1,632	1,511	1,344	1,353	1,482	1,643	1,635	1,409	1,379	1,565	1,725	1,733	
2026	1,738	1,636	1,515	1,347	1,357	1,487	1,648	1,640	1,413	1,382	1,568	1,729	1,738	
2027	1,742	1,640	1,519	1,351	1,361	1,491	1,653	1,645	1,418	1,385	1,572	1,734	1,742	
2028	1,746	1,644	1,523	1,354	1,366	1,496	1,659	1,651	1,422	1,389	1,576	1,738	1,746	
2029	1,751	1,648	1,527	1,358	1,370	1,501	1,664	1,656	1,427	1,393	1,580	1,743	1,751	
2030	1,756	1,653	1,531	1,362	1,375	1,506	1,670	1,662	1,432	1,397	1,585	1,747	1,756	
2031	1,761	1,658	1,535	1,366	1,380	1,512	1,676	1,668	1,437	1,401	1,589	1,752	1,761	
2032	1,766	1,662	1,540	1,370	1,385	1,517	1,682	1,674	1,443	1,405	1,594	1,757	1,766	
2033	1,771	1,668	1,545	1,374	1,391	1,523	1,688	1,680	1,448	1,410	1,599	1,763	1,771	
2034	1,777	1,673	1,550	1,379	1,397	1,529	1,695	1,687	1,454	1,414	1,604	1,768	1,777	
2035	1,783	1,679	1,555	1,384	1,403	1,536	1,702	1,694	1,461	1,420	1,610	1,774	1,783	
2036	1,789	1,685	1,561	1,390	1,409	1,543	1,710	1,701	1,467	1,425	1,616	1,781	1,789	
2037	1,796	1,692	1,568	1,396	1,416	1,550	1,718	1,709	1,474	1,431	1,622	1,788	1,796	
2038	1,804	1,699	1,575	1,402	1,424	1,558	1,726	1,718	1,482	1,438	1,630	1,795	1,804	
2039	1,812	1,707	1,582	1,410	1,432	1,567	1,735	1,727	1,490	1,445	1,637	1,803	1,812	
2040	1,821	1,715	1,591	1,418	1,441	1,576	1,745	1,737	1,500	1,453	1,646	1,812	1,821	
2041	1,830	1,725	1,600	1,426	1,451	1,587	1,756	1,747	1,510	1,462	1,655	1,822	1,830	0.33%
Monthly Av	orogo I oog													
Monthly Av			Man	A	Mari	l	11	A	C	0-4	Mari	Dan	AVC	
Year	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	AVG	
Year	Jan	Feb			<b>May</b> 958		<b>Jul</b> 1,095		<b>Sep</b> 976					
<b>Year</b> 2021	<b>Jan</b> 1,281	Feb 1,209	1,105	1,008	•	995	1,095	1,079		1,007	1,155	1,294	1,097	
Year	Jan	Feb			958				976					
Year 2021 2022	<b>Jan</b> 1,281 1,283	Feb 1,209 1,224	1,105 1,109	1,008 1,017	958 964	995 1,000	1,095 1,100	1,079 1,082	976 980	1,007 1,009	1,155 1,159	1,294 1,297	1,097 1,102	
Year 2021 2022 2023	Jan 1,281 1,283 1,291	1,209 1,224 1,230 1,194	1,105 1,109 1,116	1,008 1,017 1,022	958 964 969	995 1,000 1,005	1,095 1,100 1,103	1,079 1,082 1,086	976 980 983	1,007 1,009 1,012	1,155 1,159 1,162	1,294 1,297 1,302	1,097 1,102 1,106	
Year 2021 2022 2023 2024	Jan 1,281 1,283 1,291 1,296	1,209 1,224 1,230	1,105 1,109 1,116 1,121	1,008 1,017 1,022 1,026	958 964 969 973	995 1,000 1,005 1,008	1,095 1,100 1,103 1,106	1,079 1,082 1,086 1,090	976 980 983 986	1,007 1,009 1,012 1,015	1,155 1,159 1,162 1,166	1,294 1,297 1,302 1,307	1,097 1,102 1,106 1,107	
Year 2021 2022 2023 2024 2025	Jan 1,281 1,283 1,291 1,296 1,302	1,209 1,224 1,230 1,194 1,241	1,105 1,109 1,116 1,121 1,125	1,008 1,017 1,022 1,026 1,029	958 964 969 973 976	995 1,000 1,005 1,008 1,010	1,095 1,100 1,103 1,106 1,109	1,079 1,082 1,086 1,090 1,093	976 980 983 986 989	1,007 1,009 1,012 1,015 1,018	1,155 1,159 1,162 1,166 1,169	1,294 1,297 1,302 1,307 1,313	1,097 1,102 1,106 1,107 1,114	
Year 2021 2022 2023 2024 2025 2026	Jan 1,281 1,283 1,291 1,296 1,302 1,305	1,209 1,224 1,230 1,194 1,241 1,244	1,105 1,109 1,116 1,121 1,125 1,127	1,008 1,017 1,022 1,026 1,029 1,031	958 964 969 973 976 978	995 1,000 1,005 1,008 1,010 1,013	1,095 1,100 1,103 1,106 1,109 1,112	1,079 1,082 1,086 1,090 1,093 1,095	976 980 983 986 989	1,007 1,009 1,012 1,015 1,018 1,020	1,155 1,159 1,162 1,166 1,169 1,172	1,294 1,297 1,302 1,307 1,313 1,315	1,097 1,102 1,106 1,107 1,114 1,117	
Year 2021 2022 2023 2024 2025 2026 2027	1,281 1,283 1,291 1,296 1,302 1,305 1,307	1,209 1,224 1,230 1,194 1,241 1,244 1,246	1,105 1,109 1,116 1,121 1,125 1,127 1,130	1,008 1,017 1,022 1,026 1,029 1,031 1,033	958 964 969 973 976 978 980	995 1,000 1,005 1,008 1,010 1,013 1,015	1,095 1,100 1,103 1,106 1,109 1,112 1,114	1,079 1,082 1,086 1,090 1,093 1,095 1,098	976 980 983 986 989 991	1,007 1,009 1,012 1,015 1,018 1,020 1,022	1,155 1,159 1,162 1,166 1,169 1,172 1,174	1,294 1,297 1,302 1,307 1,313 1,315 1,318	1,097 1,102 1,106 1,107 1,114 1,117 1,119	
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Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313	1,209 1,224 1,230 1,194 1,241 1,244 1,246 1,249 1,252	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135	1,008 1,017 1,022 1,026 1,029 1,031 1,033 1,035 1,038	958 964 969 973 976 978 980 982 984	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102	976 980 983 986 989 991 993 995 997	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,124	
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315	1,209 1,224 1,230 1,194 1,241 1,244 1,246 1,249 1,252 1,253	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136	1,008 1,017 1,022 1,026 1,029 1,031 1,033 1,035 1,038 1,039	958 964 969 973 976 978 980 982 984 986	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104	976 980 983 986 989 991 993 995 997	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,124 1,125	
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315 1,317	1,209 1,224 1,230 1,194 1,241 1,244 1,246 1,249 1,252 1,253 1,255	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136 1,138	1,008 1,017 1,022 1,026 1,029 1,031 1,033 1,035 1,038 1,039 1,040	958 964 969 973 976 978 980 982 984 986 987	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020 1,022	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120 1,122	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104 1,105	976 980 983 986 989 991 993 995 997 998 1,000	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028 1,029	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181 1,182	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326 1,327	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,124 1,125 1,127	
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315 1,317 1,318	1,209 1,224 1,230 1,194 1,241 1,244 1,246 1,249 1,252 1,253 1,255 1,257	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136 1,138 1,139	1,008 1,017 1,022 1,026 1,029 1,031 1,033 1,035 1,038 1,039 1,040 1,042	958 964 969 973 976 978 980 982 984 986 987 988	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020 1,022 1,023	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120 1,122 1,123	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104 1,105 1,107	976 980 983 986 989 991 993 995 997 998 1,000 1,001	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028 1,029 1,031	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181 1,182 1,184	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326 1,327 1,329	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,124 1,125 1,127 1,128	
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315 1,317 1,318 1,320	1,209 1,224 1,230 1,194 1,241 1,246 1,249 1,252 1,253 1,255 1,257 1,259	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136 1,138 1,139 1,141	1,008 1,017 1,022 1,026 1,029 1,031 1,033 1,035 1,038 1,039 1,040 1,042 1,043	958 964 969 973 976 978 980 982 984 986 987 988 990	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020 1,022 1,023 1,025	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120 1,122 1,123 1,125	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104 1,105 1,107 1,108	976 980 983 986 989 991 993 995 997 998 1,000 1,001 1,002	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028 1,029 1,031 1,032	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181 1,182 1,184 1,185	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326 1,327 1,329 1,331	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,124 1,125 1,127 1,128 1,130	
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315 1,317 1,318 1,320 1,322	1,209 1,224 1,230 1,194 1,241 1,246 1,249 1,252 1,253 1,255 1,257 1,259 1,260	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136 1,138 1,139 1,141 1,142	1,008 1,017 1,022 1,026 1,029 1,031 1,033 1,035 1,038 1,039 1,040 1,040 1,042 1,043 1,045	958 964 969 973 976 978 980 982 984 986 987 988 990	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020 1,022 1,023 1,025 1,026	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120 1,122 1,123 1,125 1,126	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104 1,105 1,107 1,108 1,110	976 980 983 986 989 991 993 995 997 998 1,000 1,001 1,002 1,004	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028 1,029 1,031 1,032 1,033	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181 1,182 1,184 1,185 1,187	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326 1,327 1,327 1,331 1,333	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,124 1,125 1,127 1,128 1,130 1,131	
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315 1,317 1,318 1,320 1,322 1,324	1,209 1,224 1,230 1,194 1,241 1,246 1,249 1,252 1,253 1,255 1,257 1,259 1,260 1,262	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136 1,138 1,138 1,139 1,141 1,142	1,008 1,017 1,022 1,026 1,029 1,031 1,033 1,035 1,038 1,040 1,042 1,042 1,045 1,046	958 964 969 973 976 978 980 982 984 986 987 988 990 991	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020 1,022 1,023 1,025 1,026 1,027	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120 1,122 1,123 1,125 1,126 1,128	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104 1,105 1,107 1,108 1,110 1,112	976 980 983 986 989 991 993 995 997 998 1,000 1,001 1,002 1,004 1,005	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028 1,029 1,031 1,032 1,033 1,035	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181 1,182 1,184 1,185 1,187 1,189	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326 1,327 1,329 1,331 1,333 1,335	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,124 1,125 1,127 1,128 1,130 1,131 1,133	
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315 1,317 1,318 1,320 1,322 1,324 1,326	1,209 1,224 1,230 1,194 1,241 1,246 1,249 1,252 1,253 1,255 1,257 1,259 1,260 1,262 1,264	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136 1,138 1,139 1,141 1,142 1,144 1,144	1,008 1,017 1,022 1,026 1,029 1,031 1,033 1,035 1,038 1,039 1,040 1,042 1,043 1,045 1,046 1,048	958 964 969 973 976 978 980 982 984 986 987 988 990 991 992	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020 1,022 1,023 1,025 1,026 1,027 1,029	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120 1,122 1,123 1,125 1,126 1,128 1,130	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104 1,105 1,107 1,108 1,110 1,112 1,113	976 980 983 986 989 991 993 995 997 998 1,000 1,001 1,002 1,004 1,005 1,007	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028 1,029 1,031 1,032 1,033 1,035 1,037	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181 1,182 1,184 1,185 1,187 1,189 1,191	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326 1,327 1,329 1,331 1,333 1,335 1,337	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,124 1,125 1,127 1,128 1,130 1,131 1,133 1,135	
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315 1,317 1,318 1,320 1,322 1,324 1,326 1,328	1,209 1,224 1,230 1,194 1,241 1,246 1,249 1,252 1,253 1,255 1,257 1,259 1,260 1,262 1,264 1,266	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136 1,138 1,139 1,141 1,142 1,144 1,146 1,148	1,008 1,017 1,022 1,026 1,029 1,031 1,035 1,035 1,038 1,040 1,042 1,043 1,045 1,046 1,048 1,050	958 964 969 973 976 978 980 982 984 986 987 988 990 991 992 994 996	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020 1,022 1,023 1,025 1,026 1,027 1,029 1,031	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120 1,122 1,123 1,125 1,126 1,128 1,130 1,132	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104 1,105 1,107 1,108 1,110 1,112 1,113 1,115	976 980 983 986 989 991 993 995 997 998 1,000 1,001 1,002 1,004 1,005 1,007 1,009	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028 1,029 1,031 1,032 1,033 1,035 1,037 1,038	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181 1,182 1,184 1,185 1,187 1,189 1,191 1,193	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326 1,327 1,329 1,331 1,333 1,335 1,337 1,339	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,124 1,125 1,127 1,128 1,130 1,131 1,133 1,135 1,137	
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315 1,317 1,318 1,320 1,322 1,324 1,326 1,328 1,331	1,209 1,224 1,230 1,194 1,241 1,246 1,249 1,252 1,253 1,255 1,257 1,259 1,260 1,262 1,264 1,266 1,269	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136 1,138 1,139 1,141 1,142 1,144 1,146 1,148 1,150	1,008 1,017 1,022 1,026 1,029 1,031 1,035 1,038 1,039 1,040 1,042 1,043 1,045 1,046 1,048 1,050 1,052	958 964 969 973 976 978 980 982 984 986 987 988 990 991 992 994 996 998	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020 1,022 1,023 1,025 1,026 1,027 1,029 1,031 1,033	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120 1,122 1,123 1,125 1,126 1,128 1,130 1,132 1,131	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104 1,105 1,107 1,108 1,110 1,111 1,113 1,115 1,117	976 980 983 986 989 991 993 995 997 998 1,000 1,001 1,002 1,004 1,005 1,007 1,009 1,010	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028 1,029 1,031 1,032 1,033 1,035 1,037 1,038 1,040	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181 1,182 1,184 1,185 1,187 1,189 1,191 1,193 1,195	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326 1,327 1,329 1,331 1,333 1,335 1,337 1,339 1,342	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,124 1,125 1,127 1,128 1,130 1,131 1,133 1,133 1,135 1,137 1,139	
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315 1,317 1,318 1,320 1,322 1,324 1,326 1,328 1,331 1,334	1,209 1,224 1,230 1,194 1,241 1,244 1,246 1,249 1,252 1,253 1,255 1,257 1,259 1,260 1,262 1,264 1,266 1,269 1,271	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136 1,138 1,139 1,141 1,142 1,144 1,144 1,148 1,150 1,152	1,008 1,017 1,022 1,026 1,029 1,031 1,035 1,038 1,039 1,040 1,042 1,043 1,045 1,046 1,046 1,050 1,052 1,054	958 964 969 973 976 978 980 982 984 986 987 988 990 991 992 994 996 998	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020 1,022 1,023 1,025 1,026 1,027 1,029 1,031 1,033 1,035	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120 1,122 1,123 1,125 1,126 1,128 1,130 1,132 1,134 1,136	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104 1,105 1,107 1,108 1,110 1,112 1,113 1,115 1,117 1,120	976 980 983 986 989 991 993 995 997 998 1,000 1,001 1,002 1,004 1,005 1,007 1,009 1,010 1,013	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028 1,029 1,031 1,032 1,033 1,033 1,035 1,037 1,038 1,040 1,043	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181 1,182 1,184 1,185 1,187 1,189 1,191 1,193 1,195 1,198	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326 1,327 1,329 1,331 1,333 1,335 1,337 1,339 1,342 1,345	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,124 1,125 1,127 1,128 1,130 1,131 1,133 1,135 1,137 1,139 1,141	0.23%
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315 1,317 1,318 1,320 1,322 1,324 1,326 1,328 1,331 1,334 1,337 1,341	1,209 1,224 1,230 1,194 1,241 1,246 1,249 1,252 1,253 1,255 1,257 1,259 1,260 1,262 1,264 1,266 1,269 1,271 1,278	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136 1,138 1,139 1,141 1,142 1,144 1,146 1,148 1,150 1,155 1,155 1,158	1,008 1,017 1,022 1,026 1,029 1,031 1,033 1,035 1,038 1,040 1,042 1,043 1,045 1,046 1,048 1,050 1,052 1,054 1,056 1,059	958 964 969 973 976 978 980 982 984 986 987 988 990 991 992 994 996 998 1,000 1,005	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020 1,022 1,023 1,025 1,026 1,027 1,029 1,031 1,033 1,035 1,038 1,040	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120 1,122 1,123 1,125 1,126 1,128 1,130 1,132 1,134 1,136 1,139 1,142	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104 1,105 1,107 1,108 1,110 1,112 1,113 1,115 1,117 1,120 1,122 1,125	976 980 983 986 989 991 993 995 997 998 1,000 1,001 1,002 1,004 1,005 1,007 1,010 1,010 1,013 1,015 1,018	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028 1,029 1,031 1,032 1,033 1,035 1,037 1,038 1,040 1,043 1,043 1,048	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181 1,182 1,185 1,187 1,189 1,191 1,193 1,195 1,198 1,200 1,204	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326 1,327 1,329 1,331 1,333 1,335 1,337 1,339 1,342 1,345 1,348 1,352	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,125 1,127 1,128 1,130 1,131 1,133 1,135 1,137 1,137 1,139 1,141 1,144	0.23%
Year  2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040	1,281 1,283 1,291 1,296 1,302 1,305 1,307 1,310 1,313 1,315 1,317 1,318 1,320 1,322 1,324 1,326 1,328 1,331 1,334 1,337	1,209 1,224 1,230 1,194 1,241 1,246 1,249 1,252 1,253 1,255 1,257 1,259 1,260 1,262 1,264 1,266 1,269 1,271 1,274	1,105 1,109 1,116 1,121 1,125 1,127 1,130 1,132 1,135 1,136 1,138 1,139 1,141 1,142 1,144 1,144 1,146 1,148 1,150 1,152 1,155	1,008 1,017 1,022 1,026 1,029 1,031 1,033 1,035 1,038 1,040 1,042 1,043 1,045 1,046 1,048 1,050 1,050 1,052 1,054 1,056	958 964 969 973 976 978 980 982 984 986 987 988 990 991 992 994 996 998 1,000	995 1,000 1,005 1,008 1,010 1,013 1,015 1,017 1,019 1,020 1,022 1,023 1,025 1,026 1,027 1,029 1,031 1,033 1,035 1,038	1,095 1,100 1,103 1,106 1,109 1,112 1,114 1,116 1,119 1,120 1,122 1,123 1,125 1,126 1,128 1,130 1,132 1,134 1,136 1,139	1,079 1,082 1,086 1,090 1,093 1,095 1,098 1,100 1,102 1,104 1,105 1,107 1,108 1,110 1,112 1,113 1,115 1,117 1,120 1,122	976 980 983 986 989 991 993 995 997 998 1,000 1,001 1,002 1,004 1,005 1,007 1,009 1,010 1,013 1,015	1,007 1,009 1,012 1,015 1,018 1,020 1,022 1,024 1,026 1,028 1,029 1,031 1,032 1,033 1,035 1,037 1,038 1,040 1,043 1,045	1,155 1,159 1,162 1,166 1,169 1,172 1,174 1,176 1,179 1,181 1,182 1,184 1,185 1,187 1,189 1,191 1,193 1,195 1,198 1,200	1,294 1,297 1,302 1,307 1,313 1,315 1,318 1,321 1,324 1,326 1,327 1,329 1,331 1,333 1,335 1,335 1,337 1,339 1,342 1,345 1,348	1,097 1,102 1,106 1,107 1,114 1,117 1,119 1,121 1,125 1,127 1,128 1,130 1,131 1,133 1,135 1,137 1,137 1,139 1,141 1,144	0.23%