

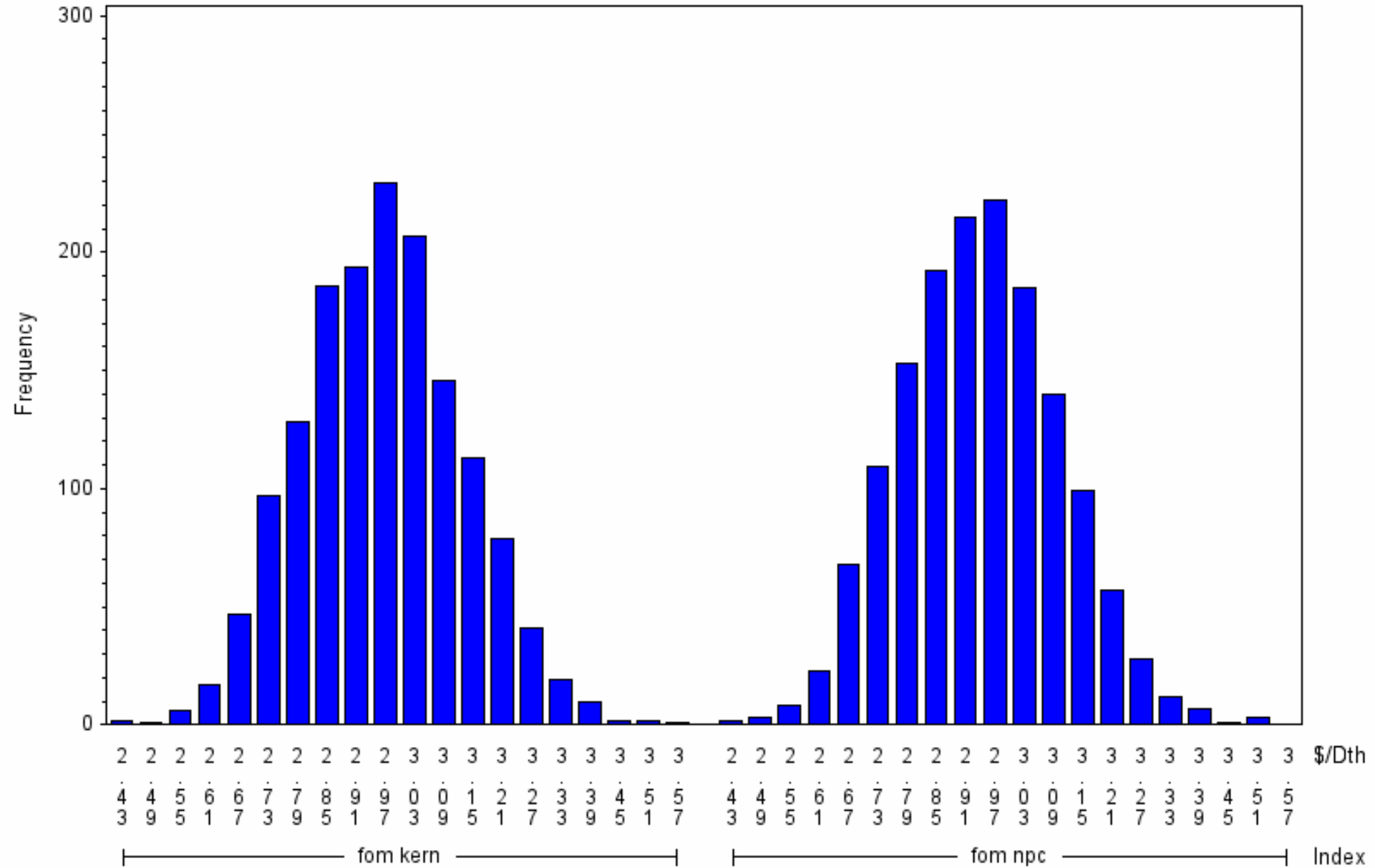
Monthly FOM Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=6

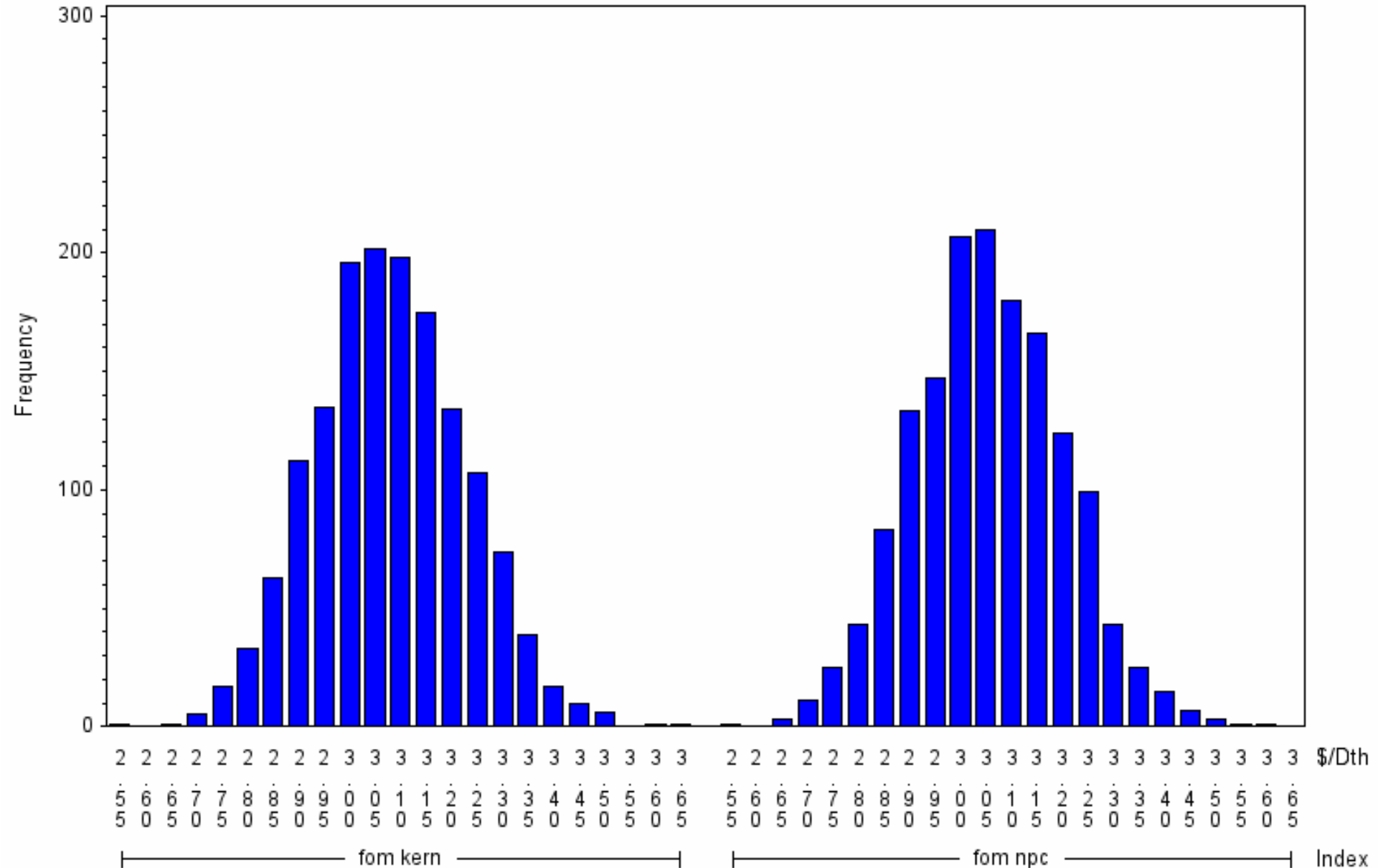
Exhibit 10.01



Monthly FOM Index Price Distribution

2017 Plan Year
 Scenario 1001 : 1527 Draws
 year=2017 month=7

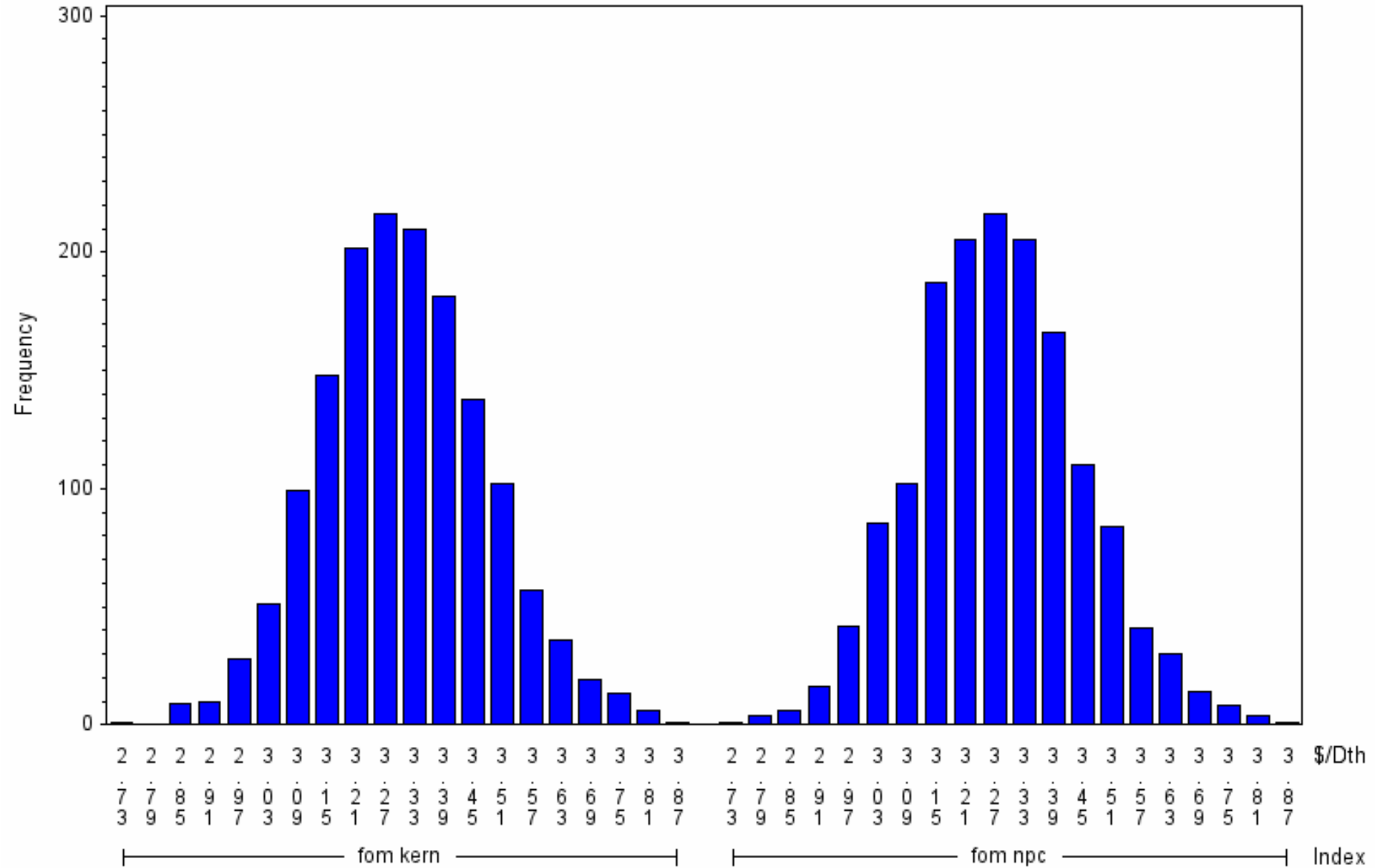
Exhibit 10.02



Monthly FOM Index Price Distribution

2017 Plan Year
 Scenario 1001 : 1527 Draws
 year=2017 month=8

Exhibit 10.03



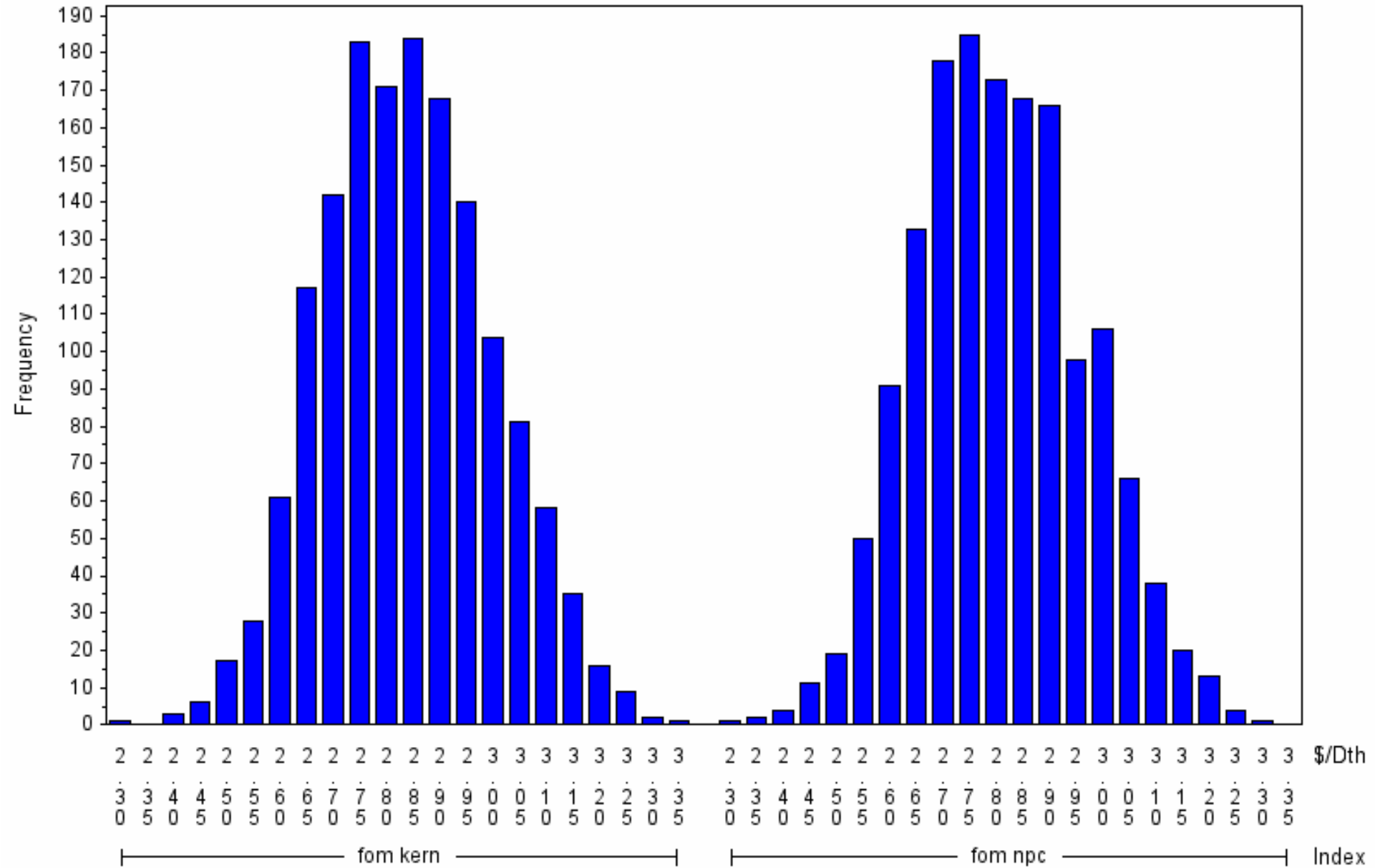
Monthly FOM Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=9

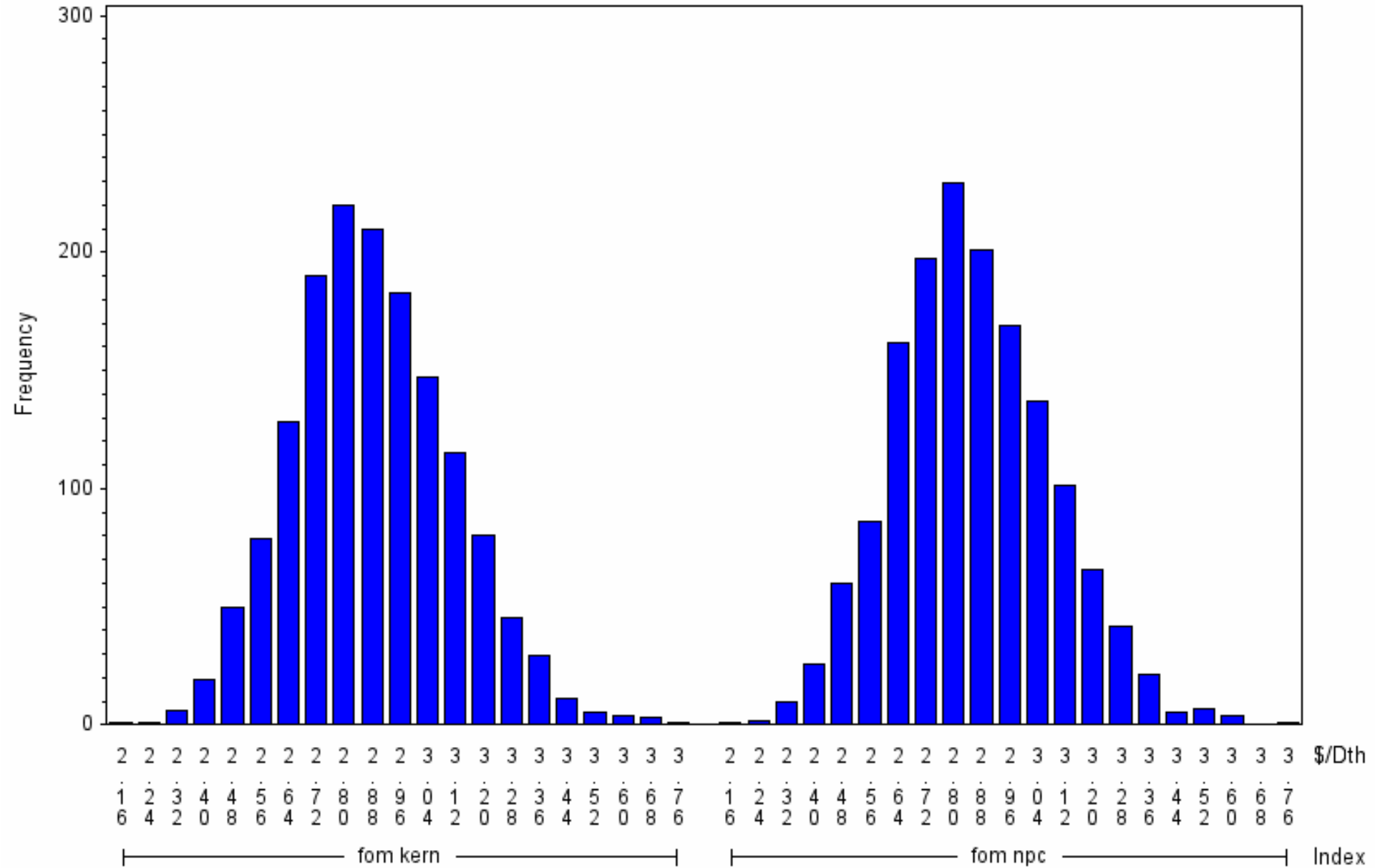
Exhibit 10.04



Monthly FOM Index Price Distribution

2017 Plan Year
 Scenario 1001 : 1527 Draws
 year=2017 month=10

Exhibit 10.05



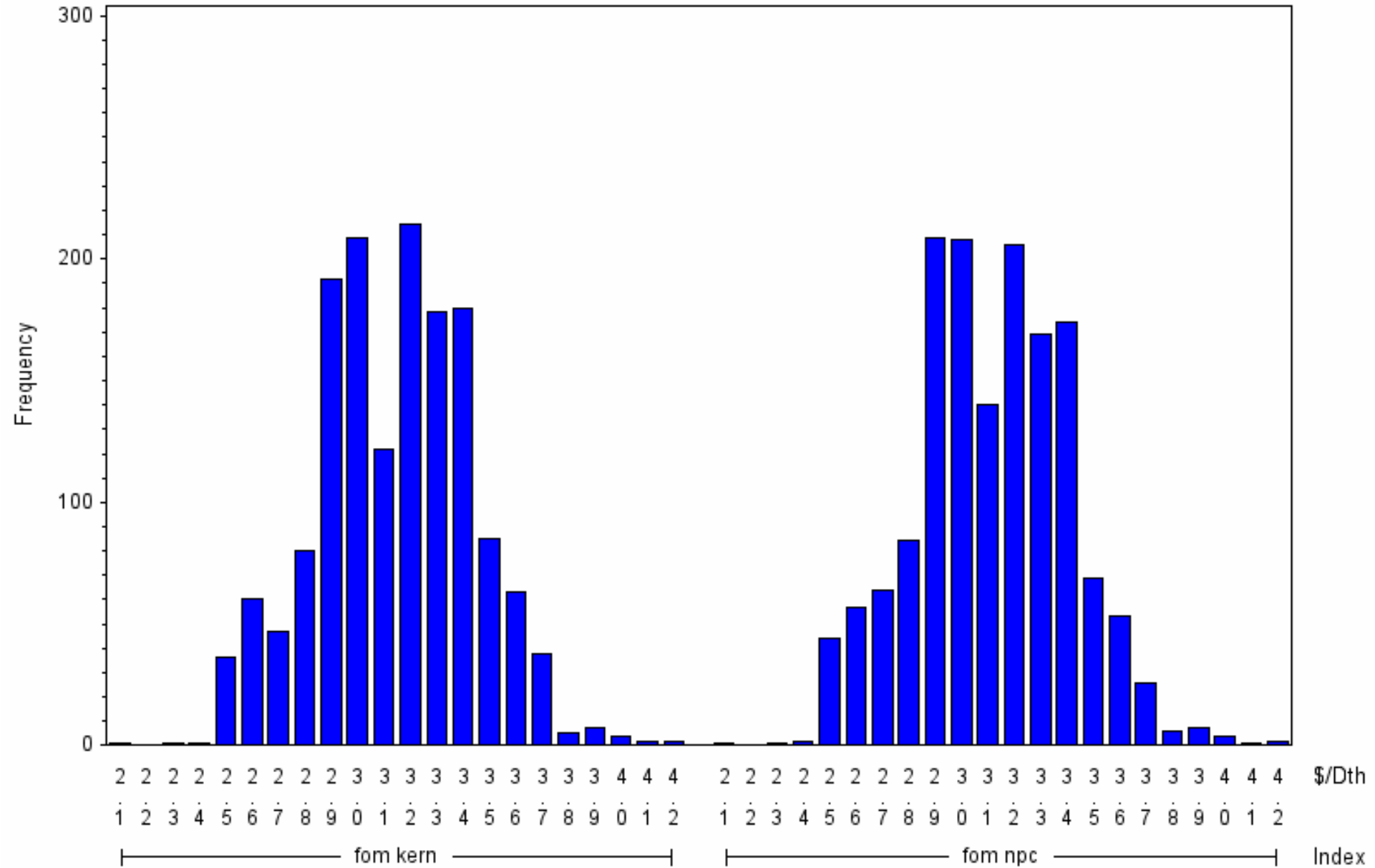
Monthly FOM Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=11

Exhibit 10.06



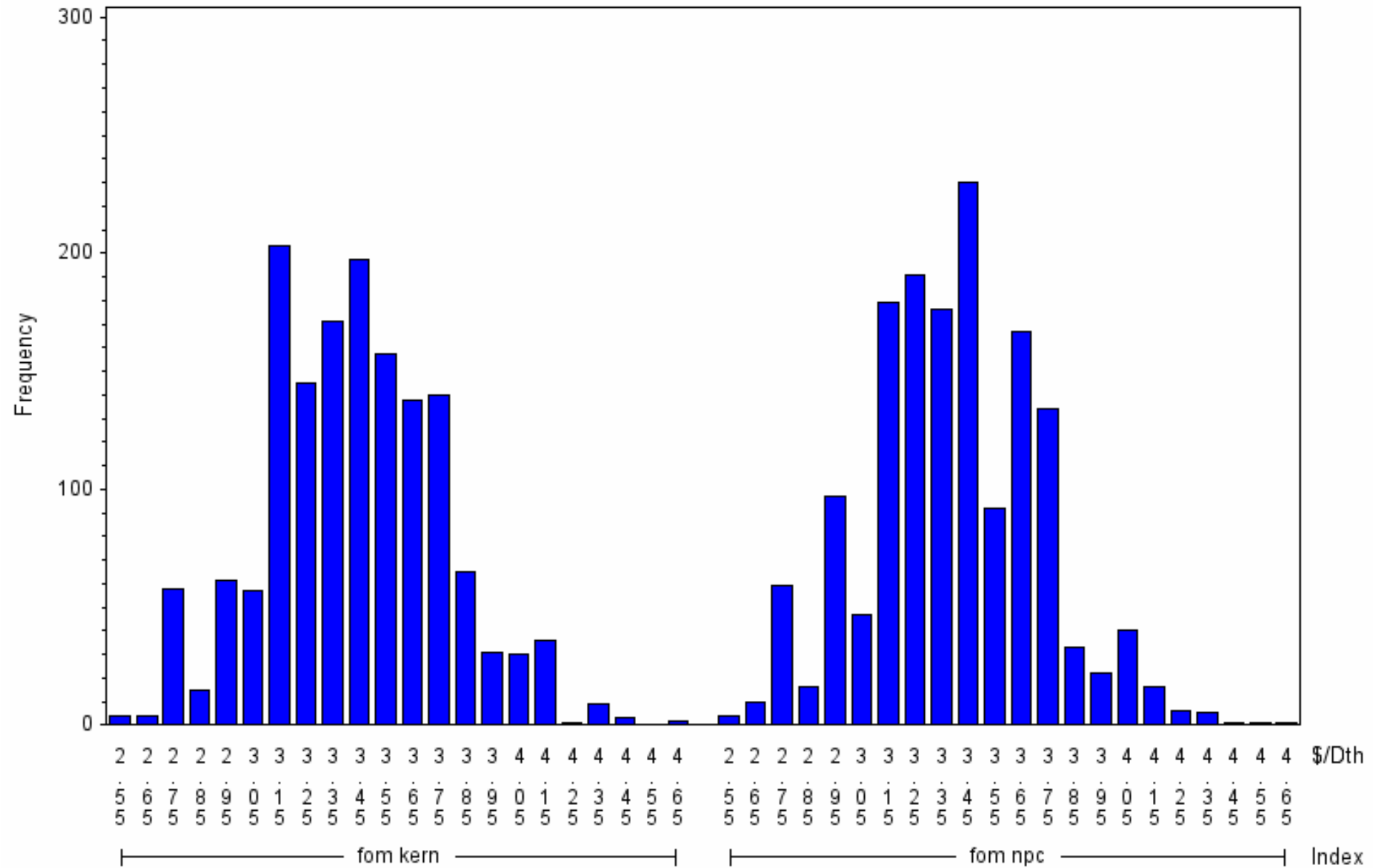
Monthly FOM Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=12

Exhibit 10.07



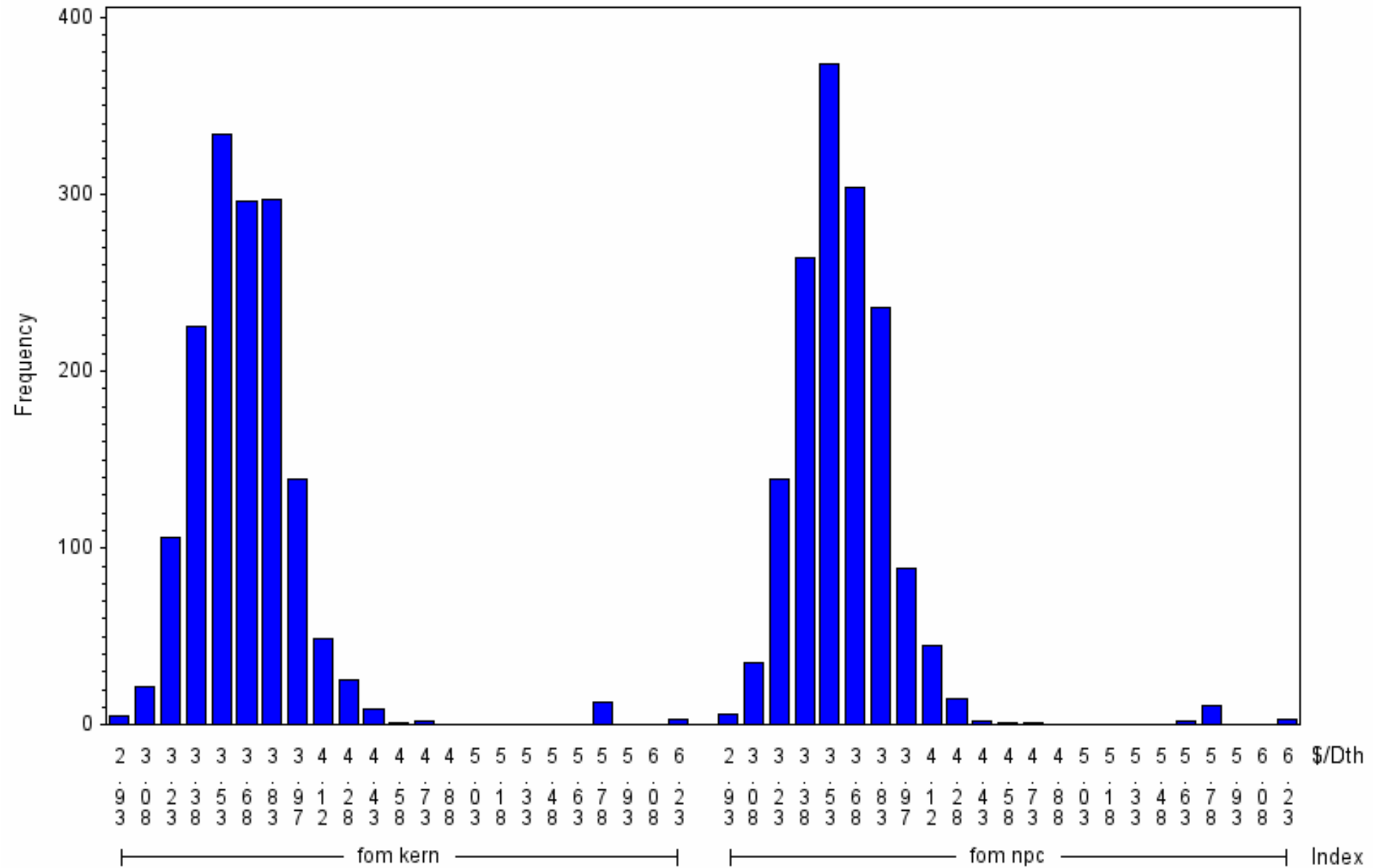
Monthly FOM Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=1

Exhibit 10.08



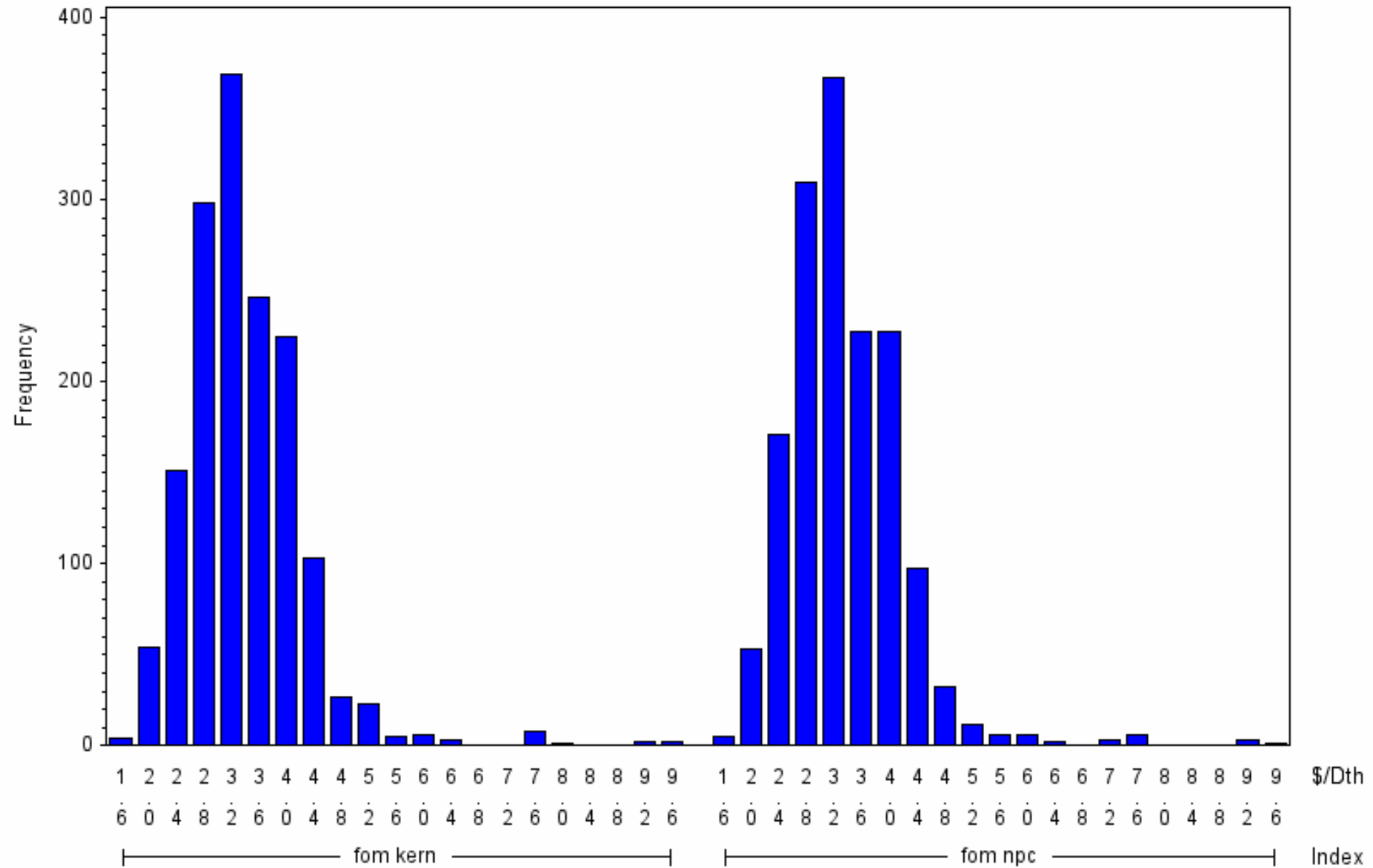
Monthly FOM Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=2

Exhibit 10.09



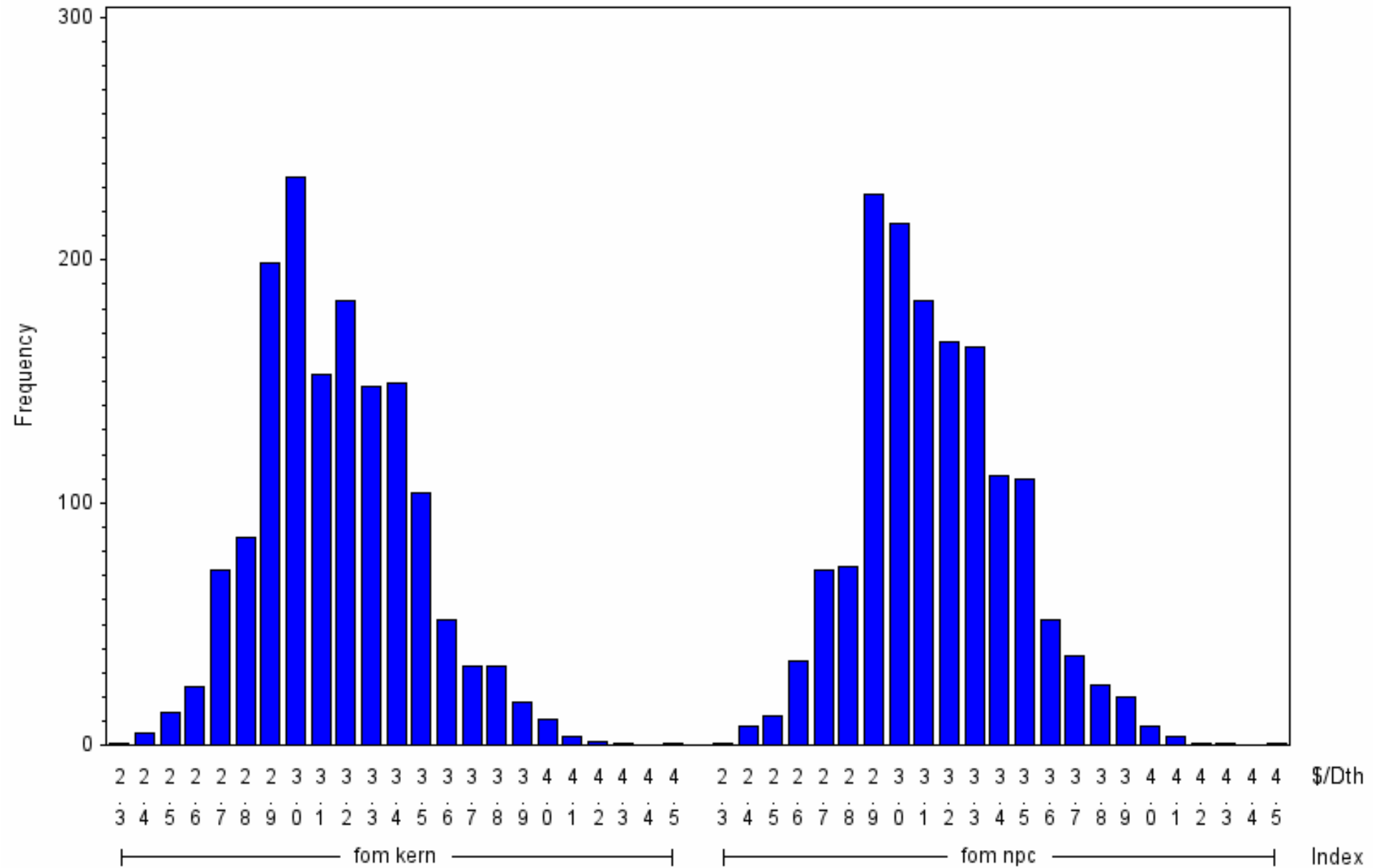
Monthly FOM Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=3

Exhibit 10.10



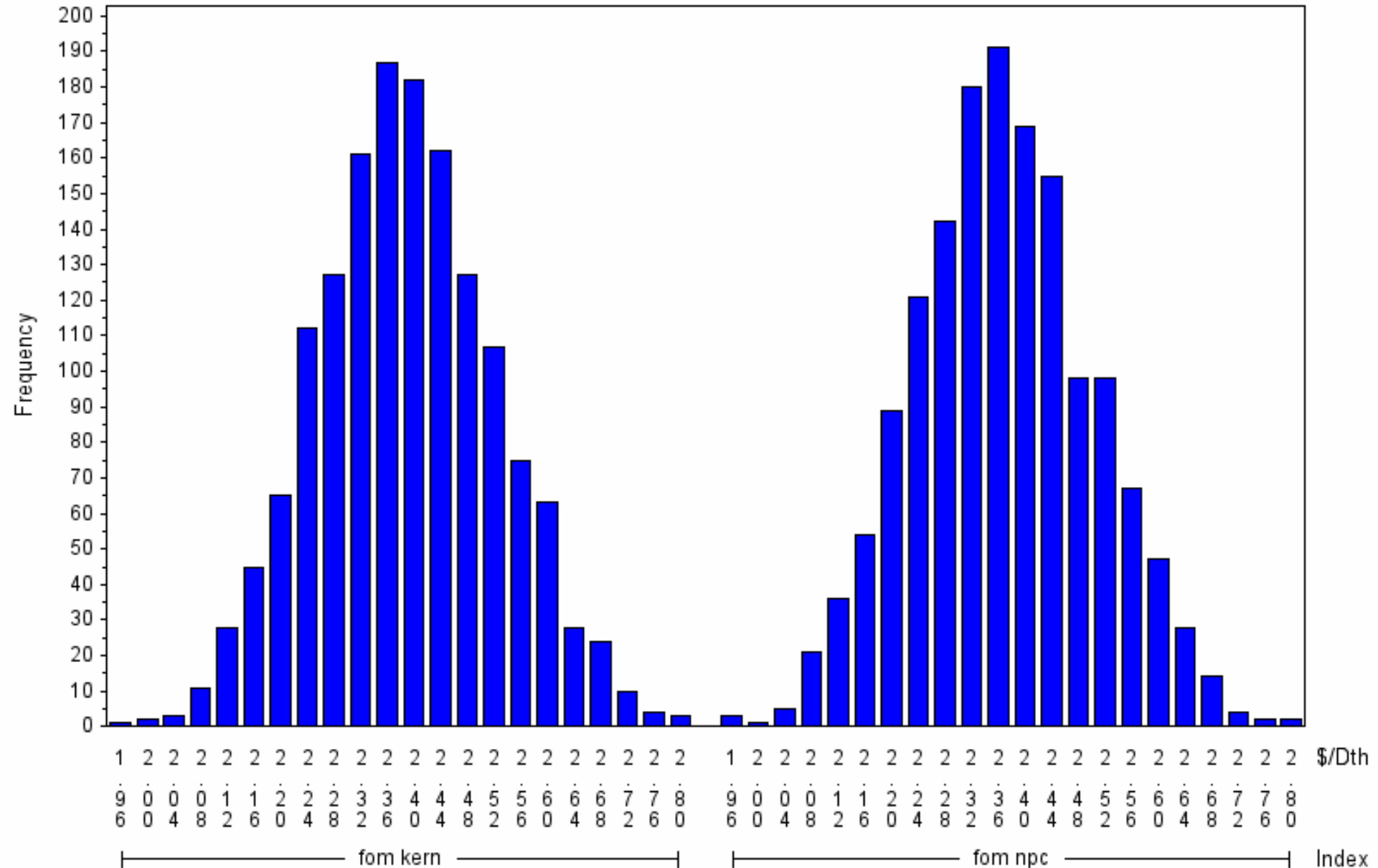
Monthly FOM Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=4

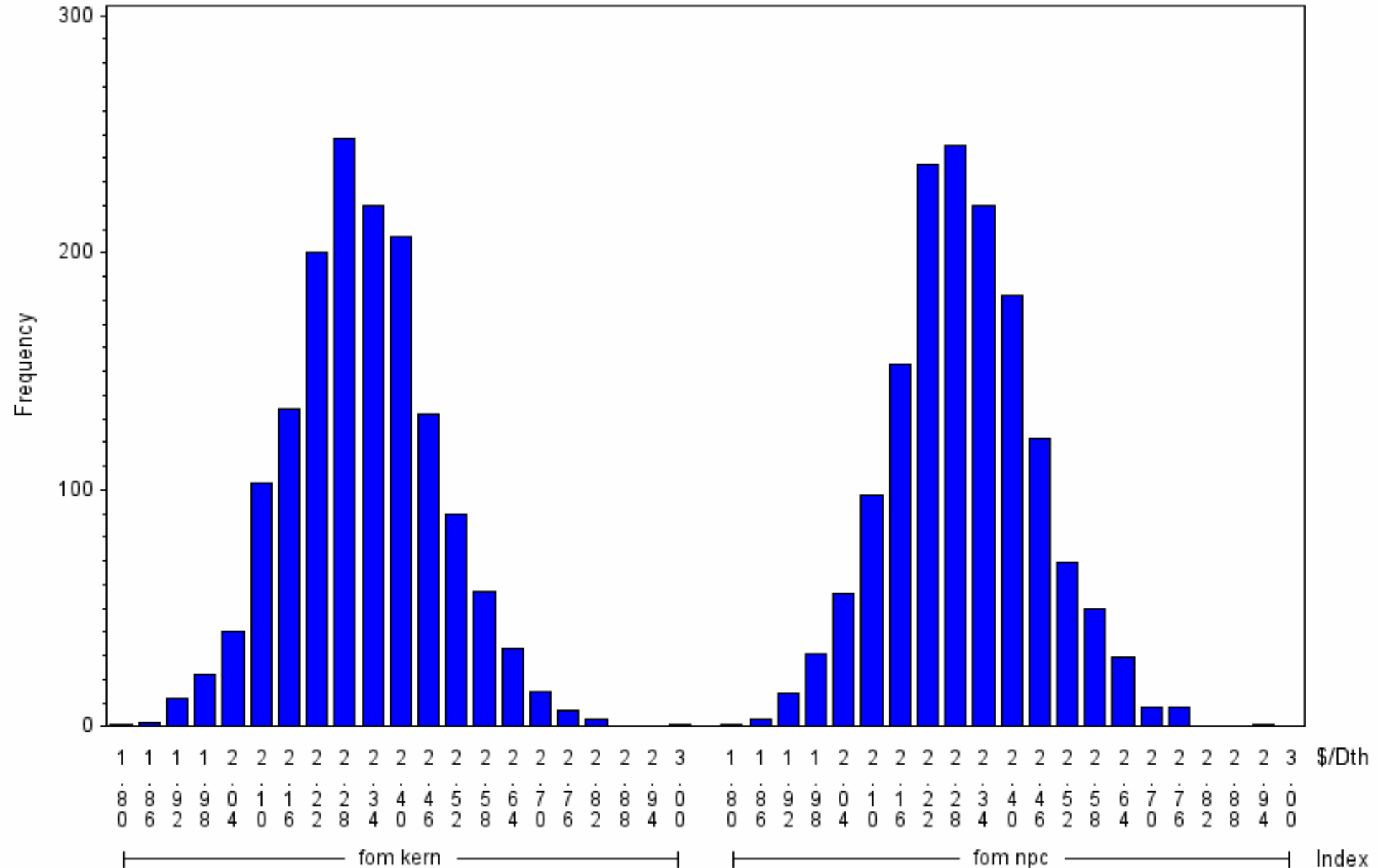
Exhibit 10.11



Monthly FOM Index Price Distribution

2017 Plan Year
 Scenario 1001 : 1527 Draws
 year=2018 month=5

Exhibit 10.12



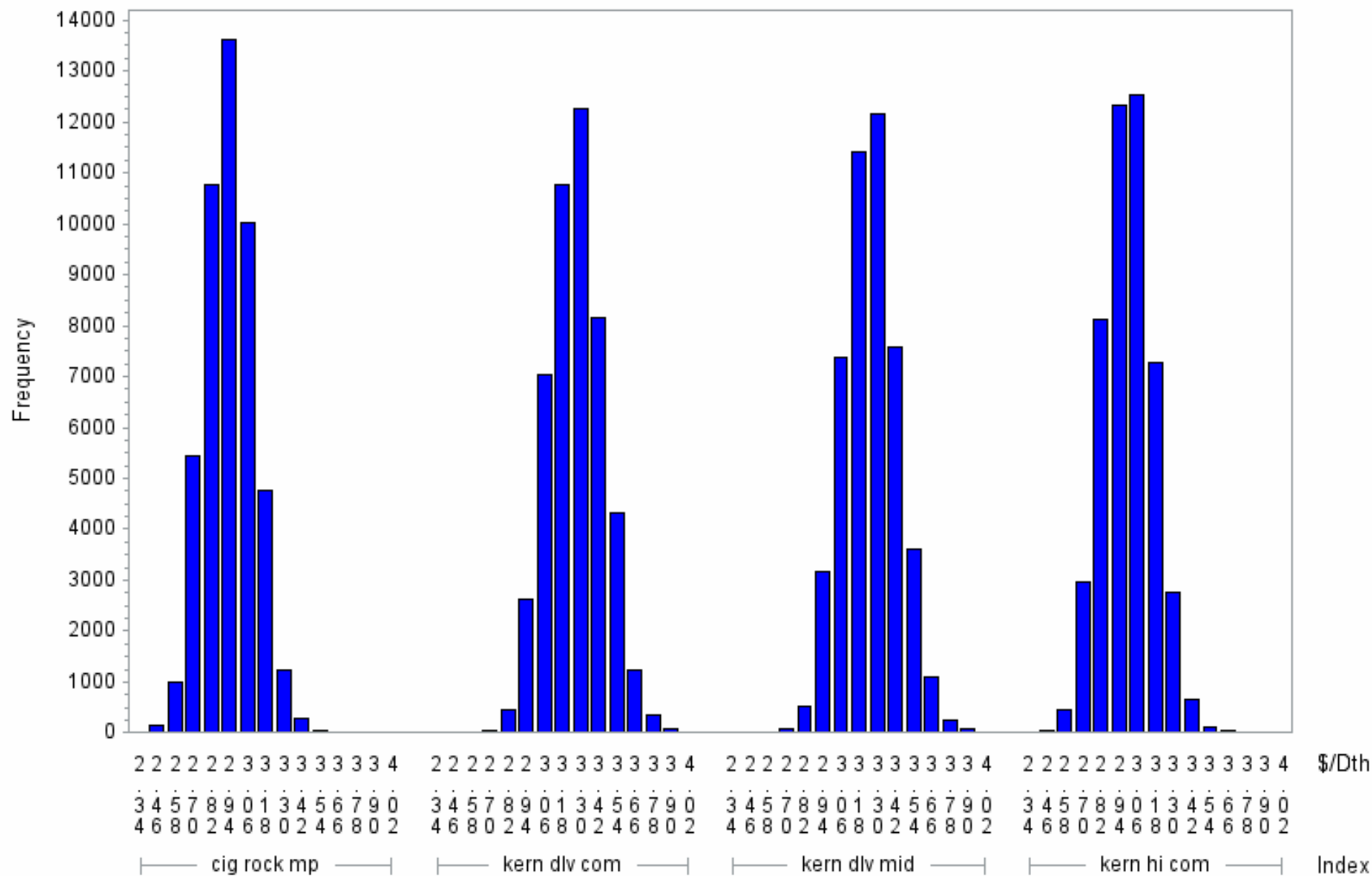
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=6

Exhibit 10.13



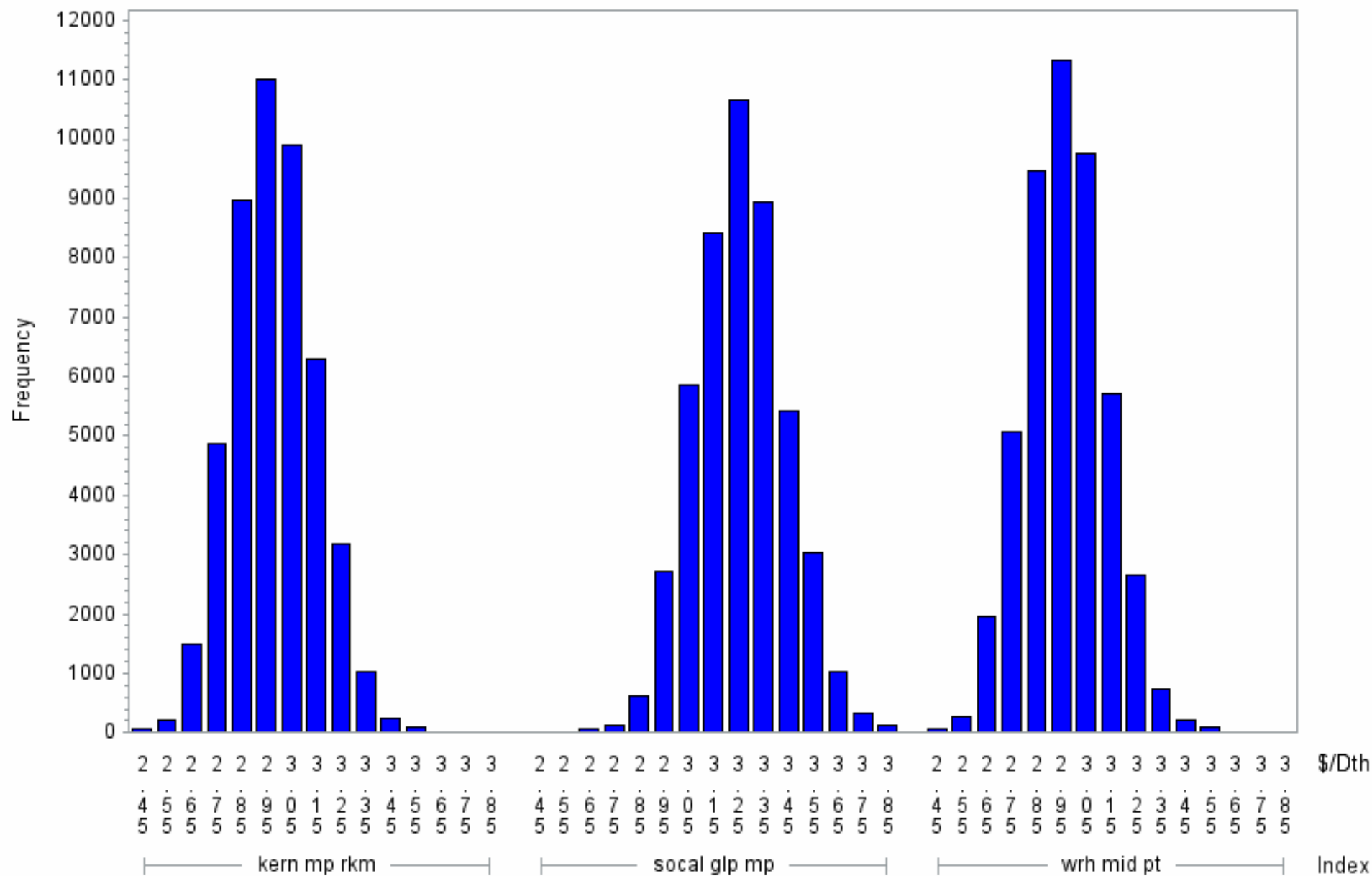
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=6

Exhibit 10.14



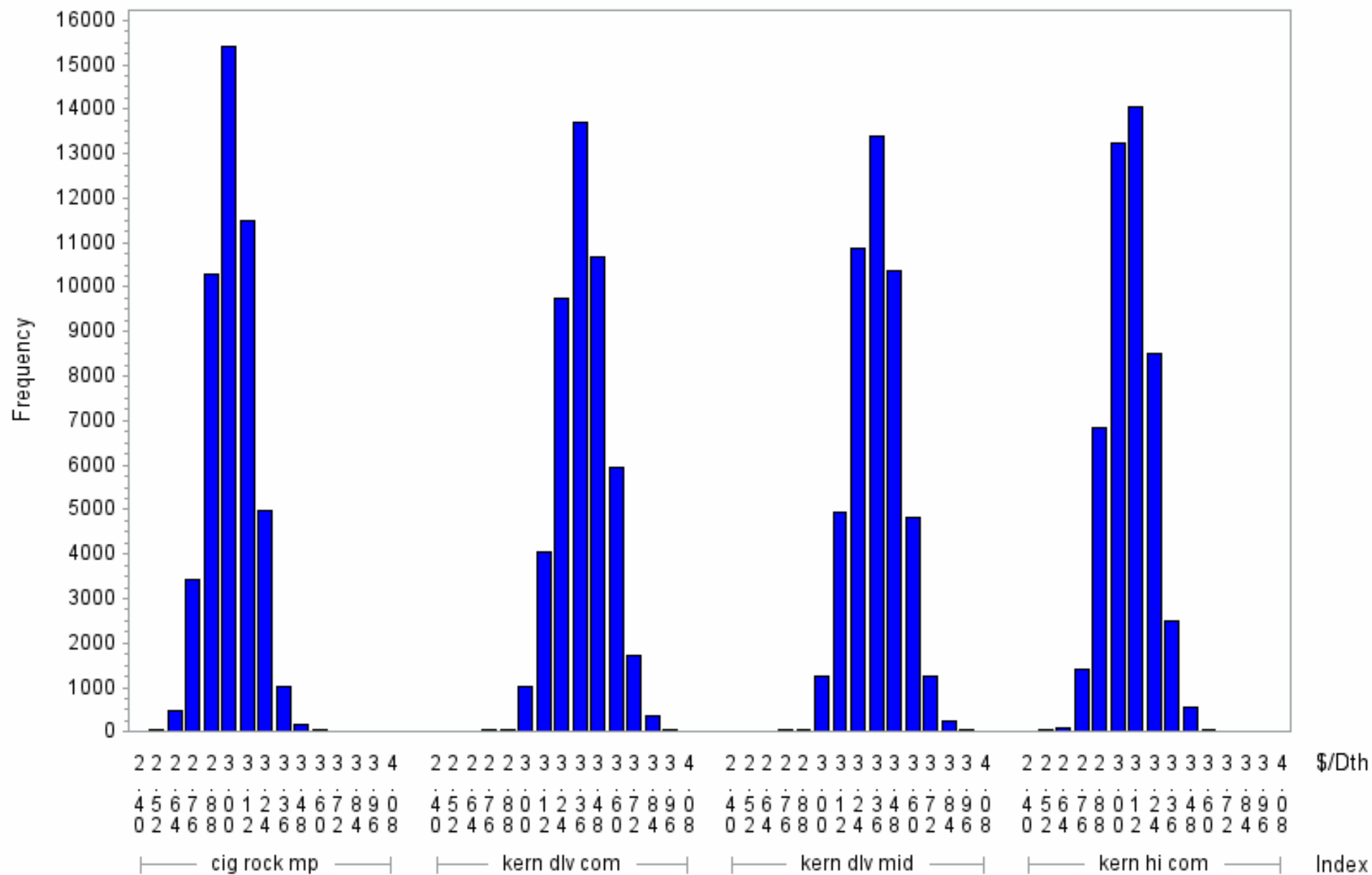
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=7

Exhibit 10.15



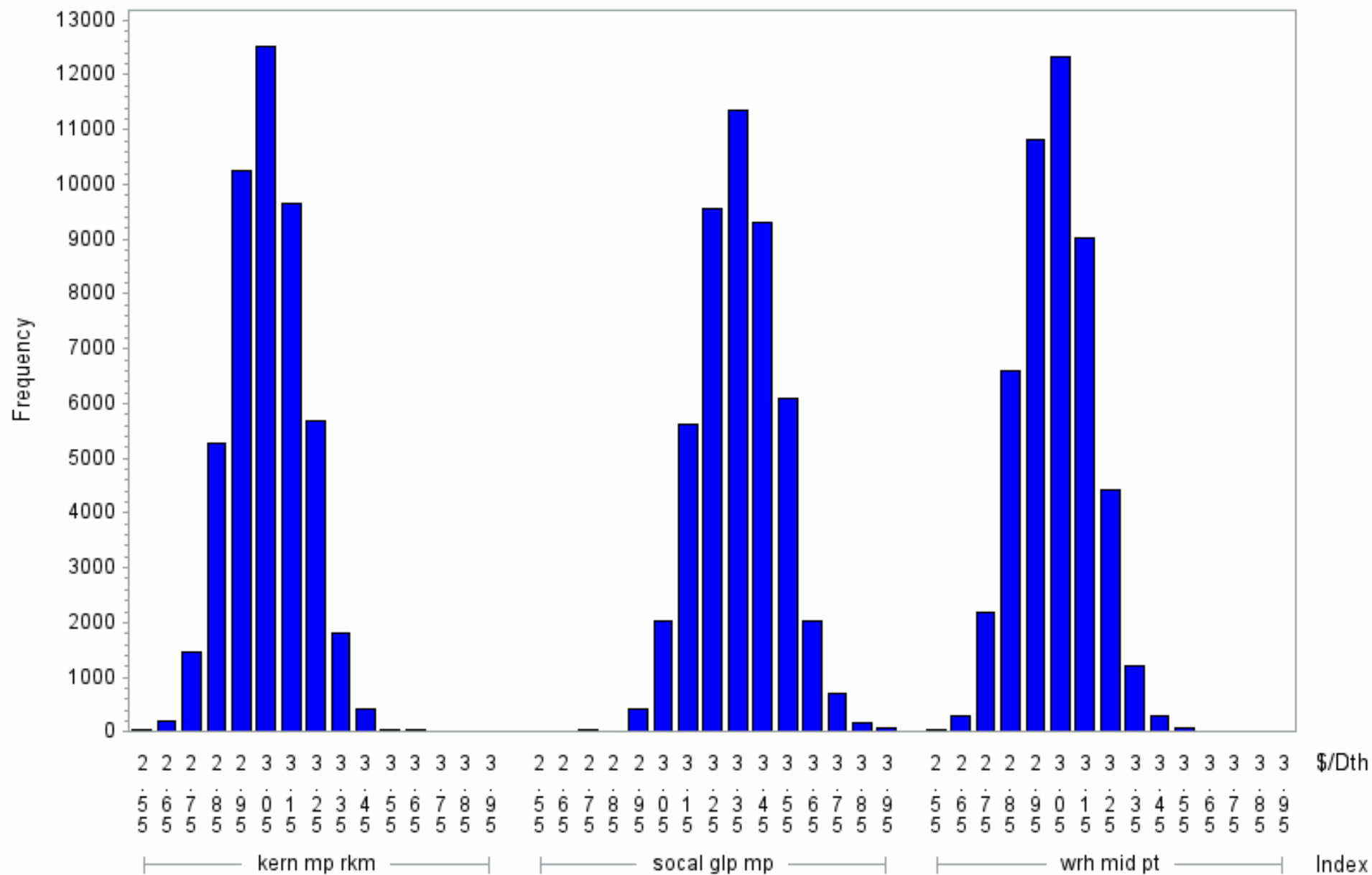
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=7

Exhibit 10.16



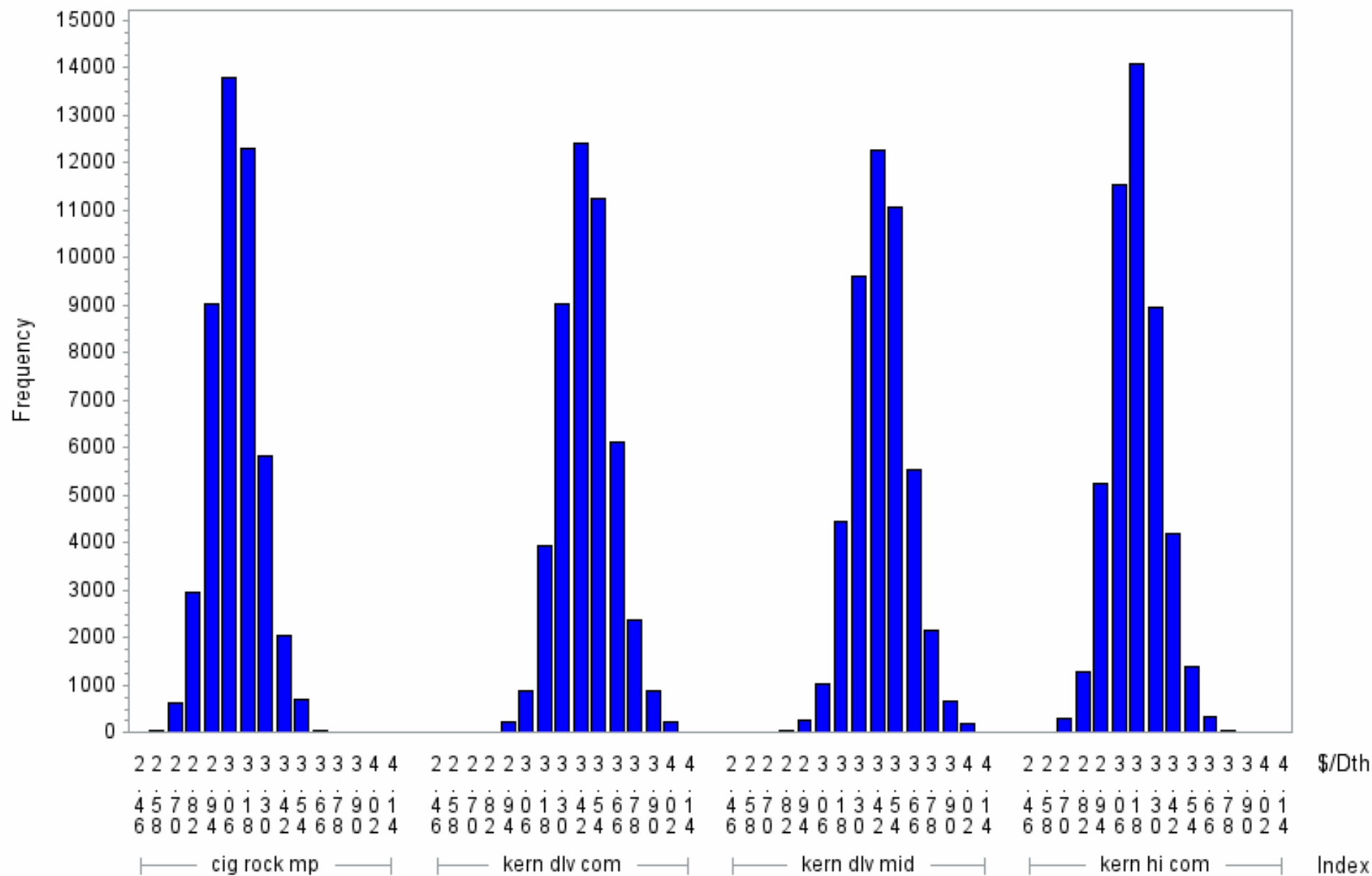
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=8

Exhibit 10.17



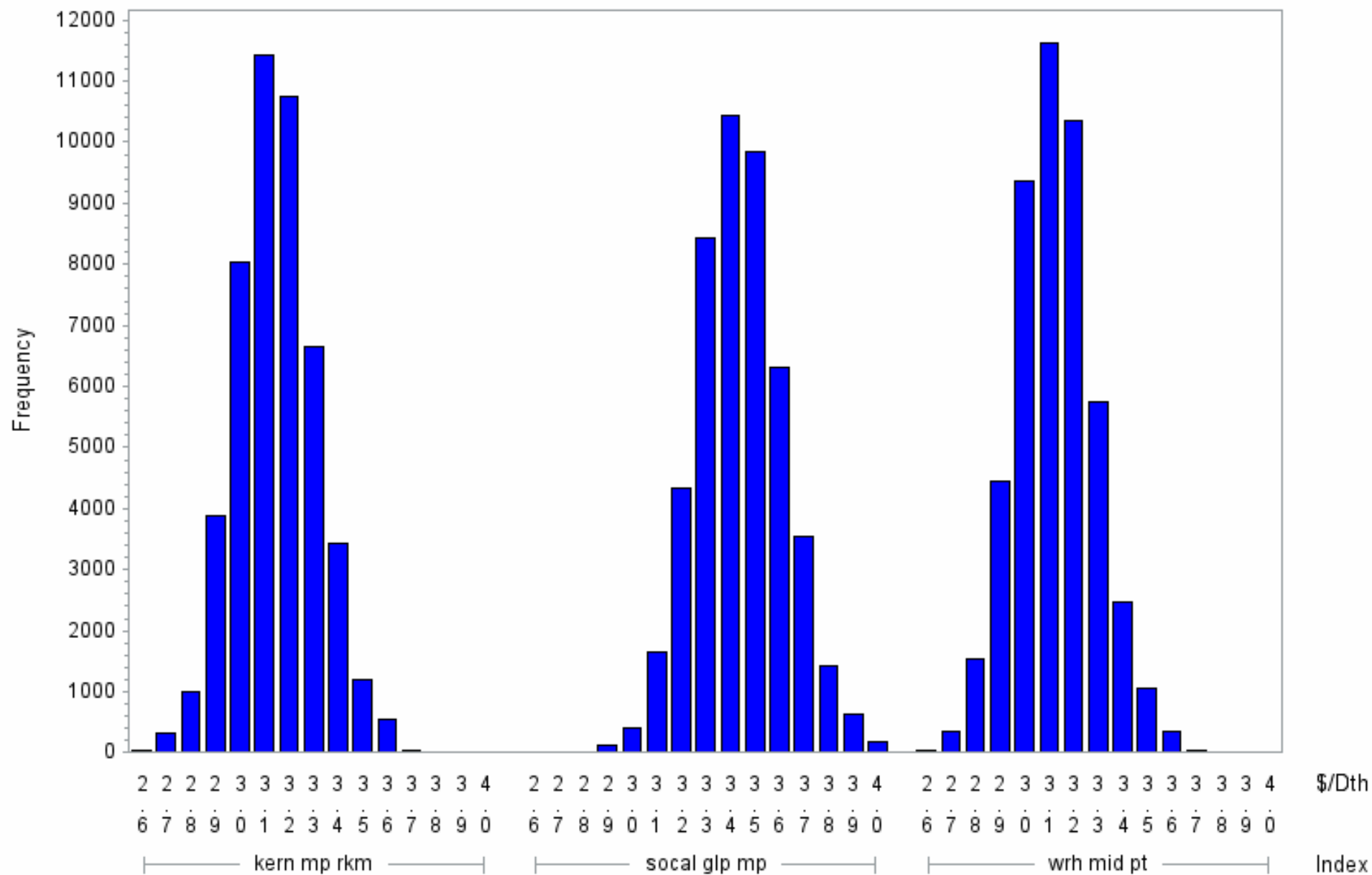
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=8

Exhibit 10.18



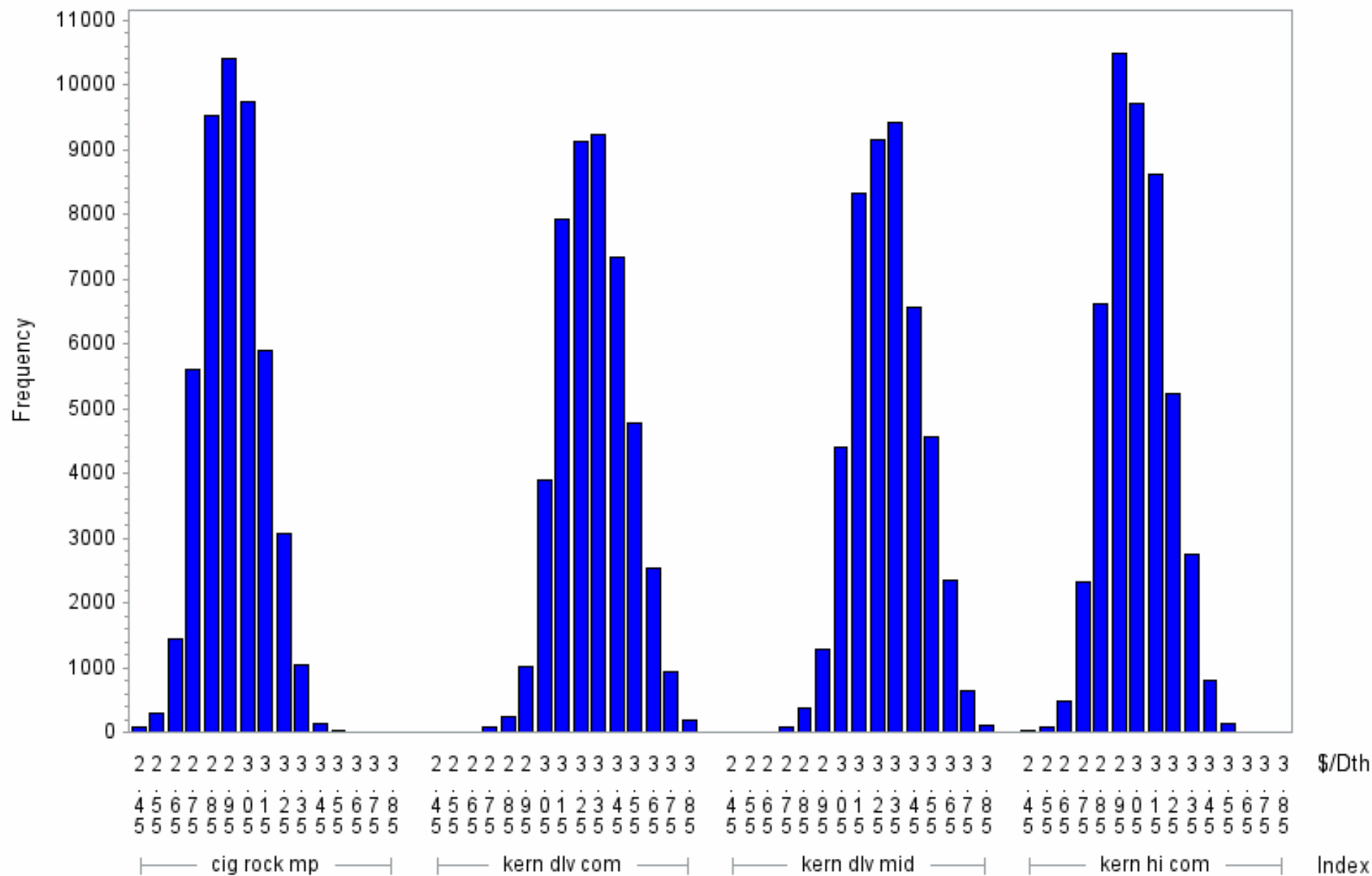
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=9

Exhibit 10.19



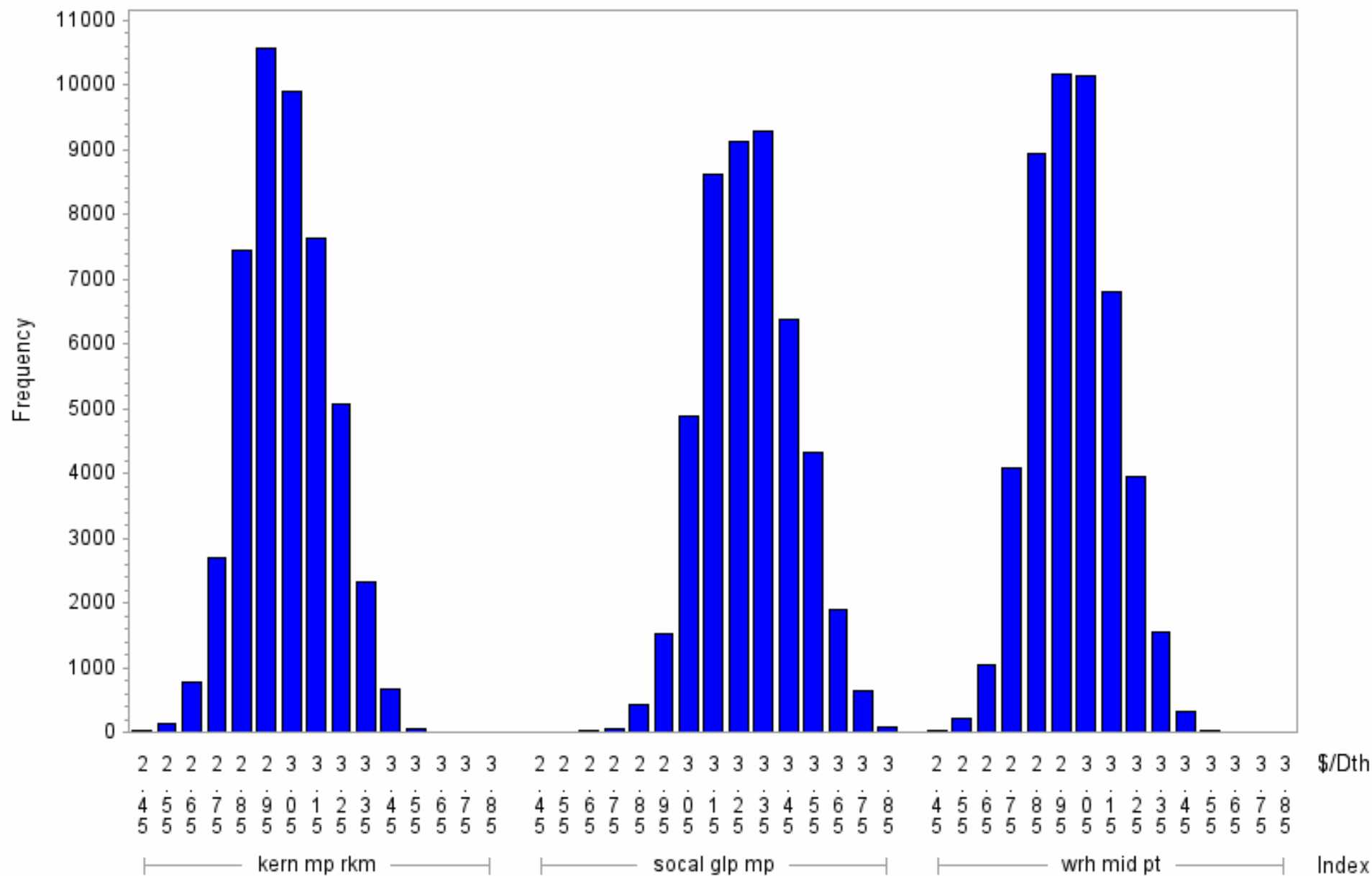
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=9

Exhibit 10.20



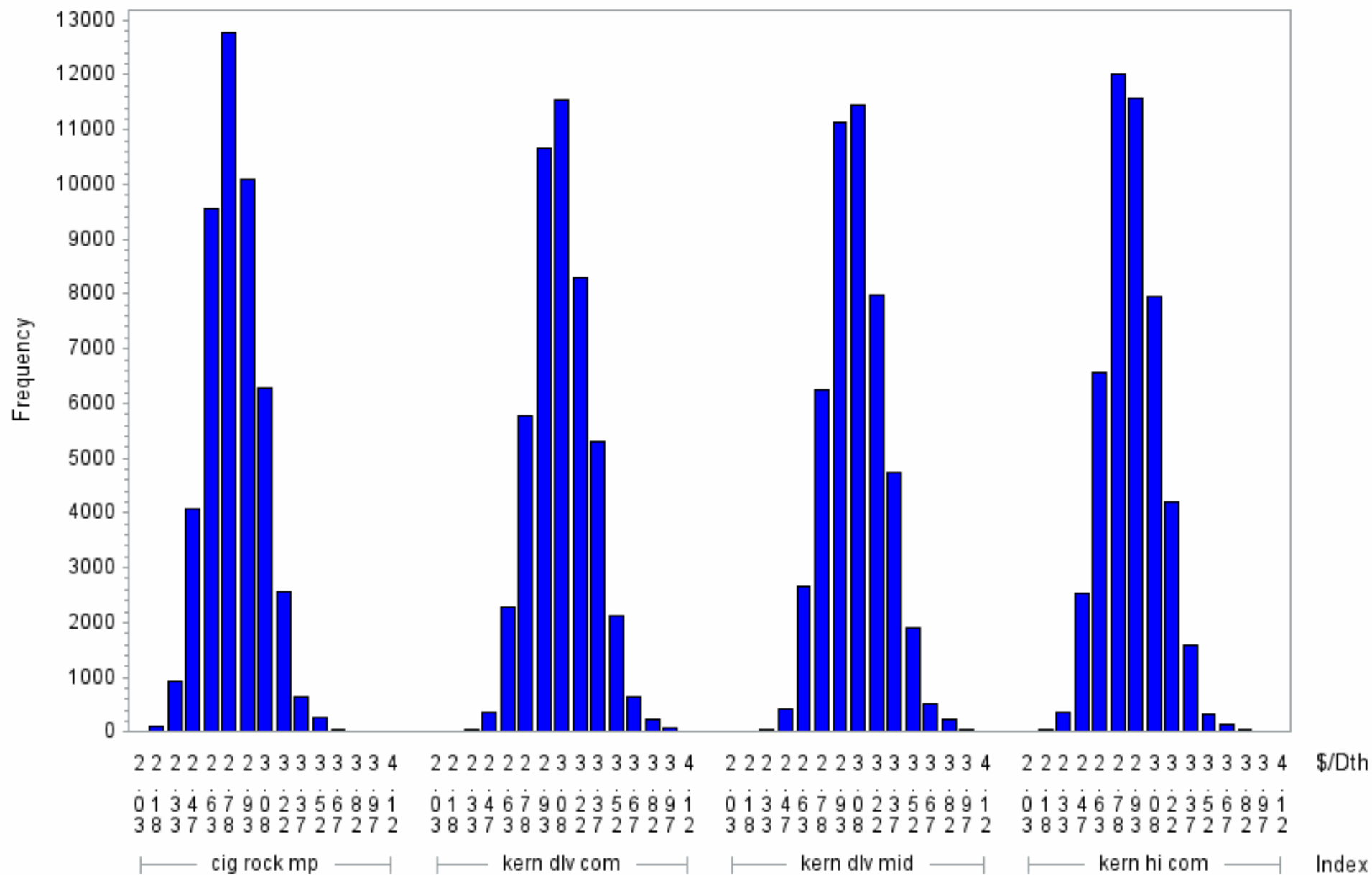
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=10

Exhibit 10.21



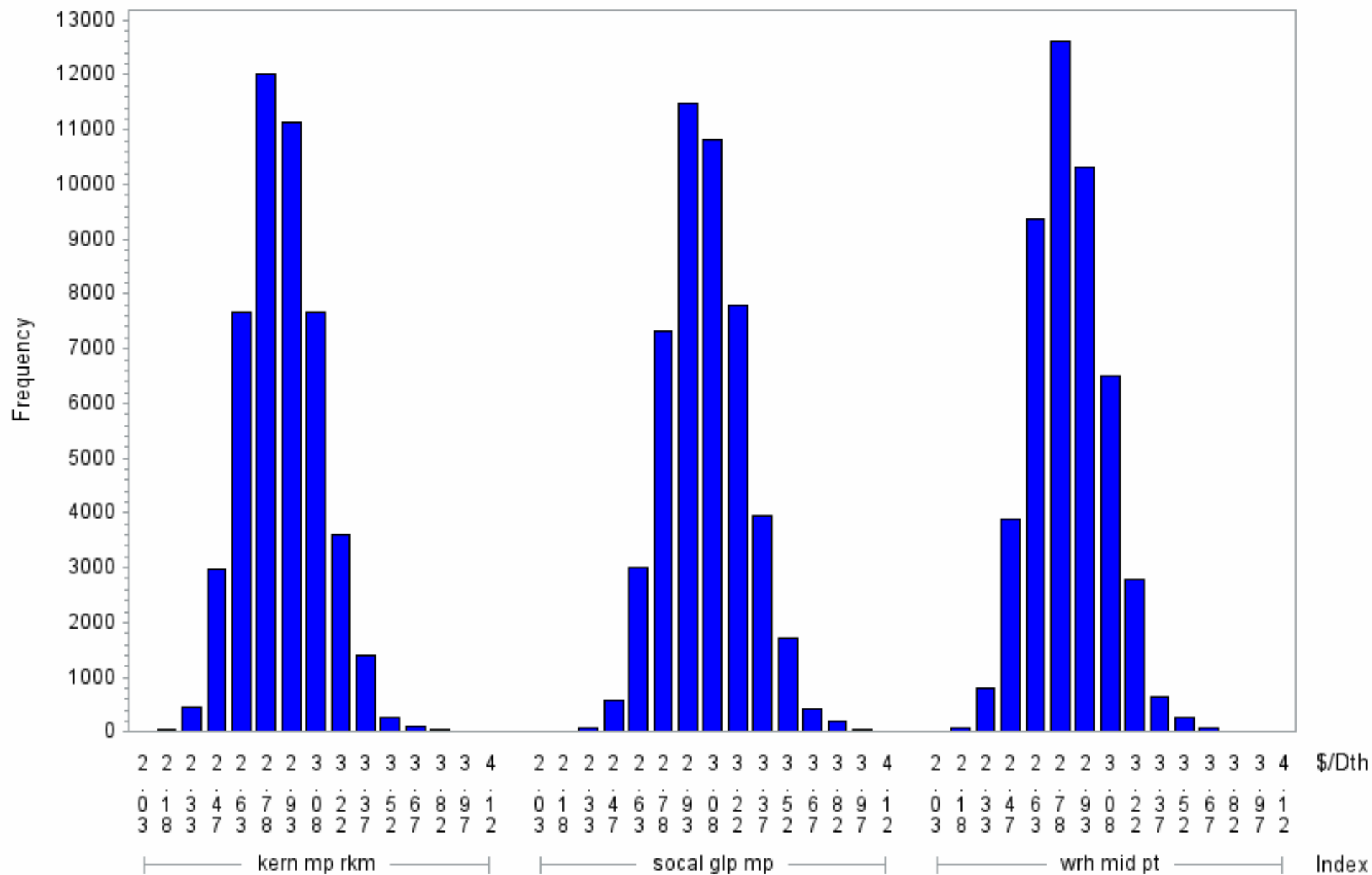
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=10

Exhibit 10.22



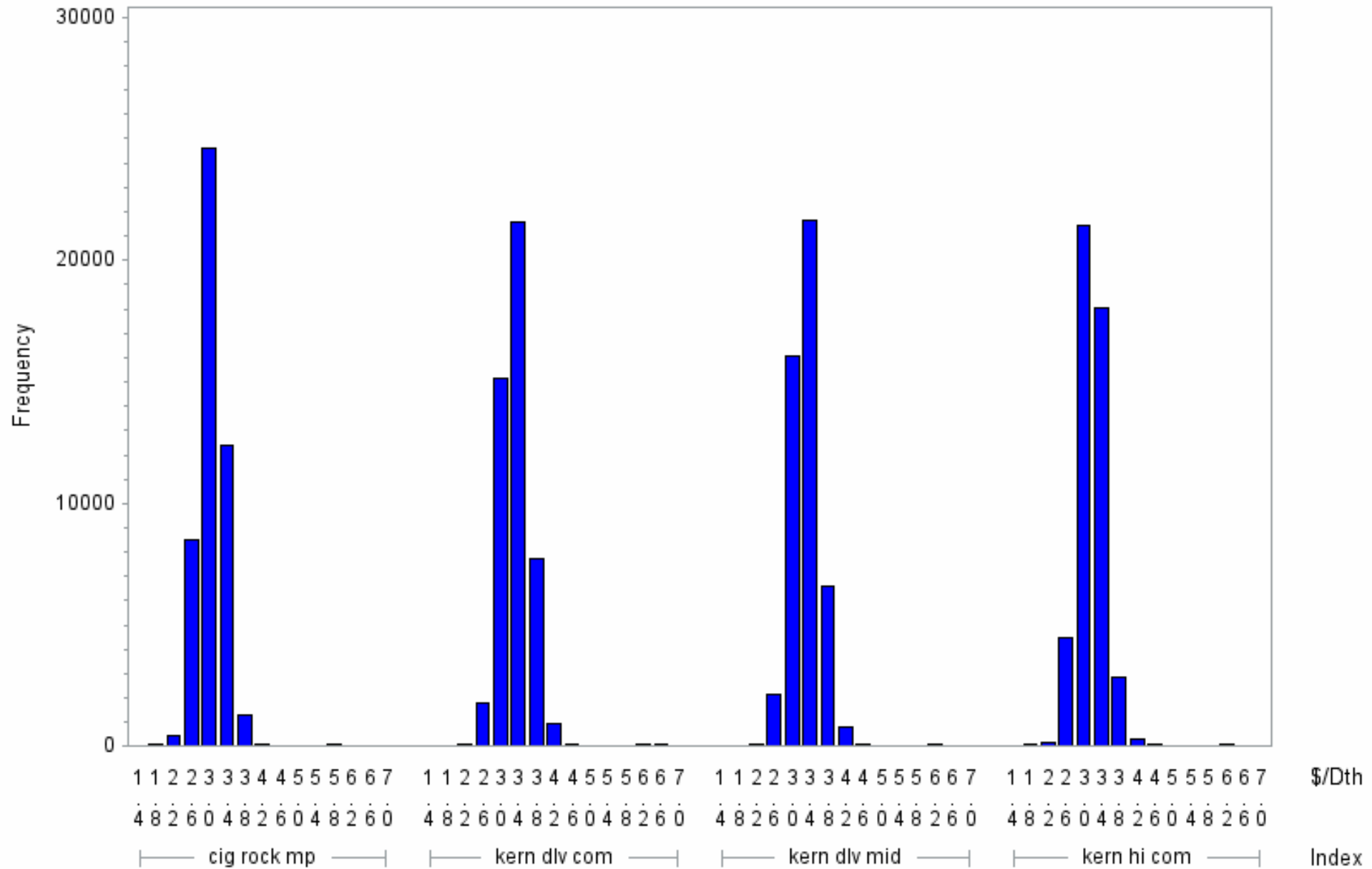
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=11

Exhibit 10.23



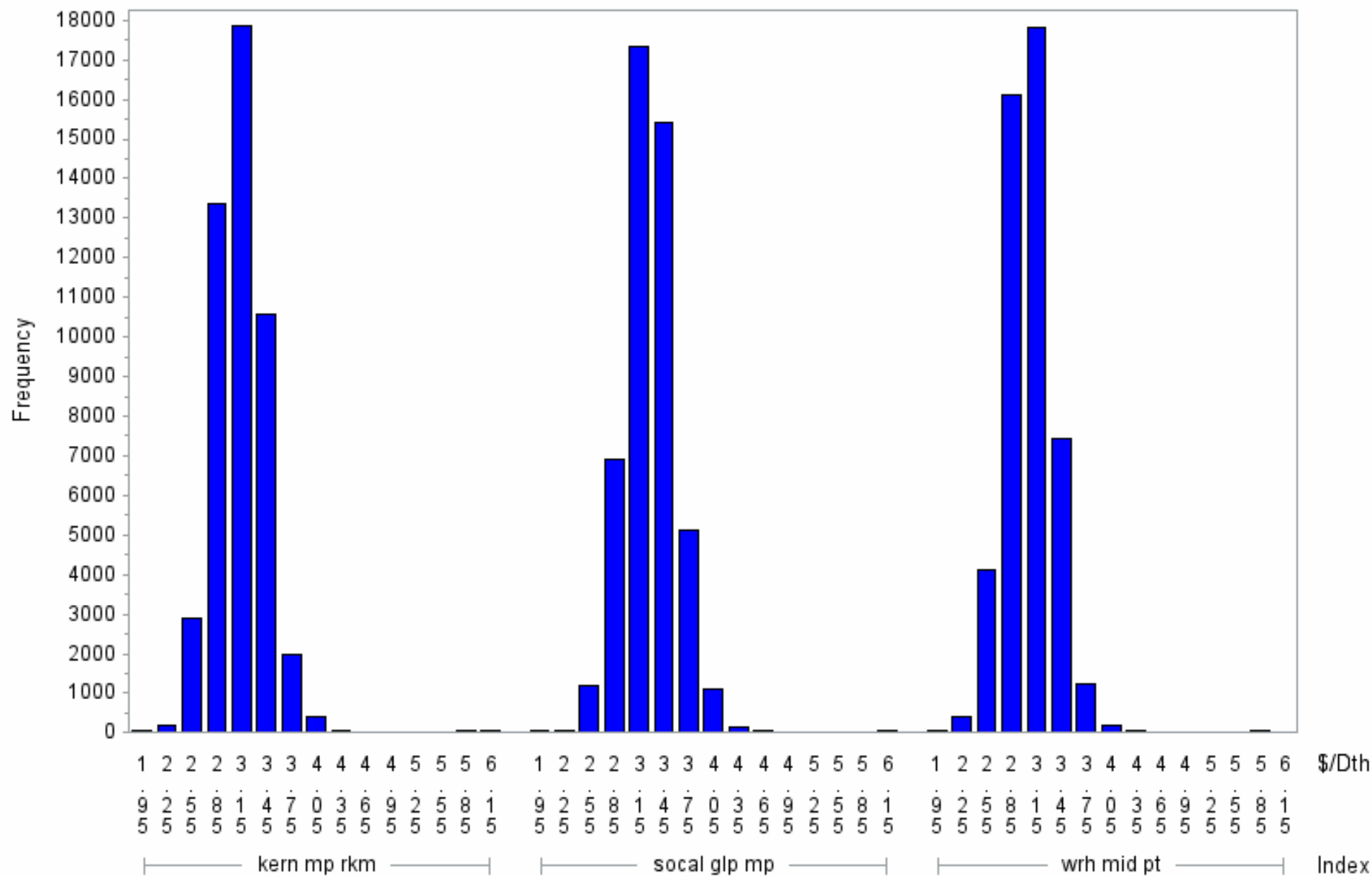
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=11

Exhibit 10.24



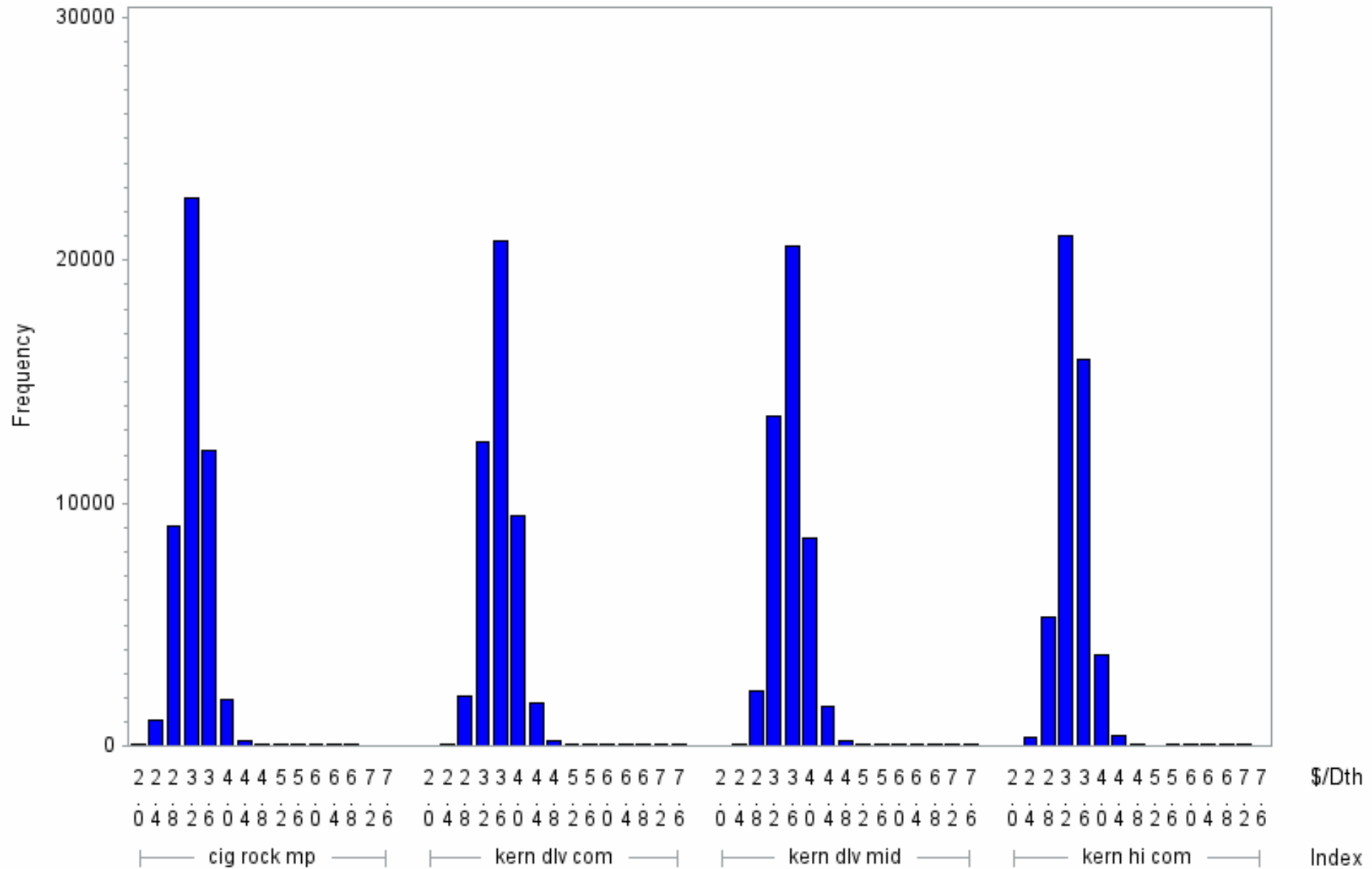
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=12

Exhibit 10.25



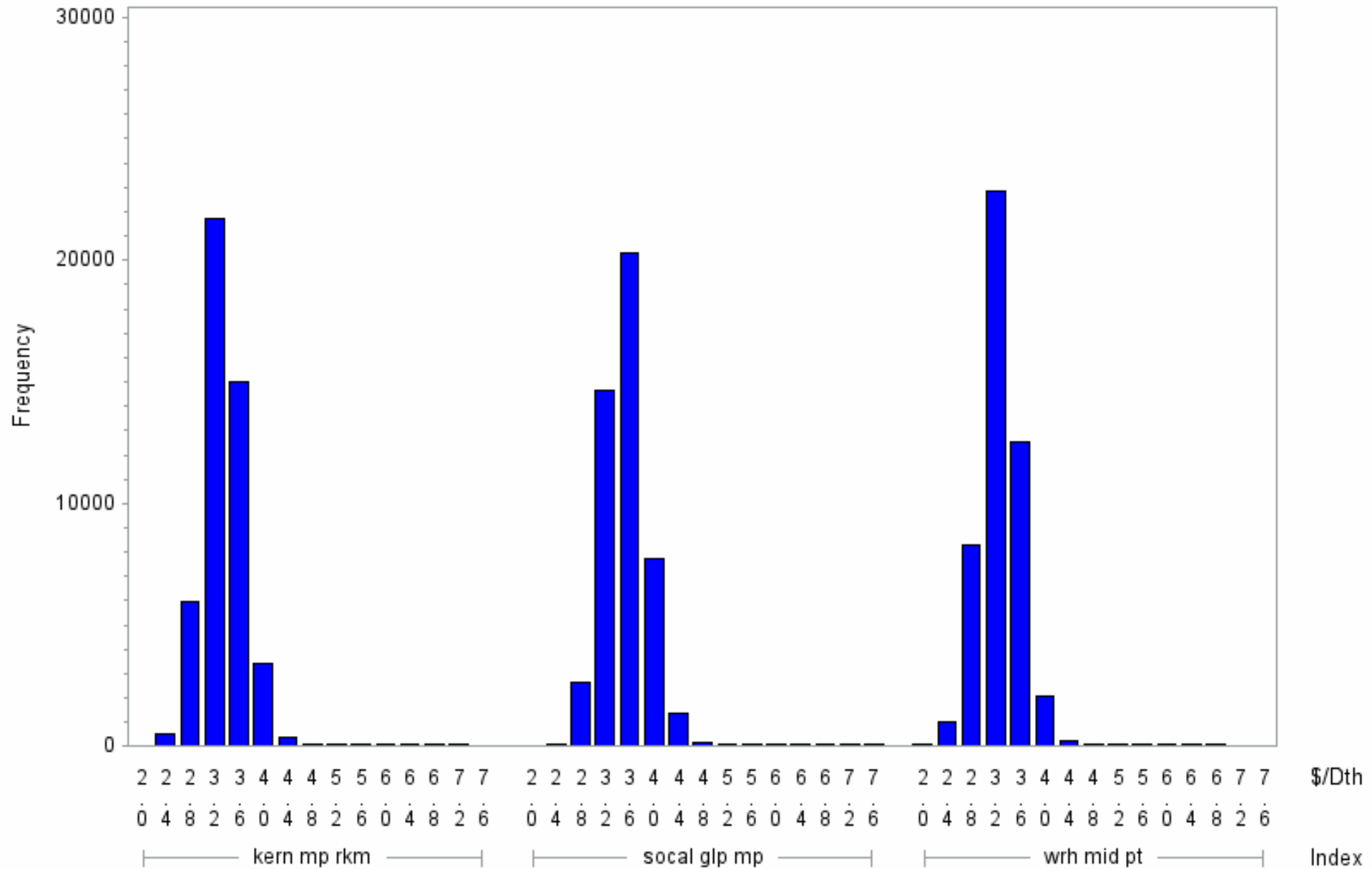
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=12

Exhibit 10.26



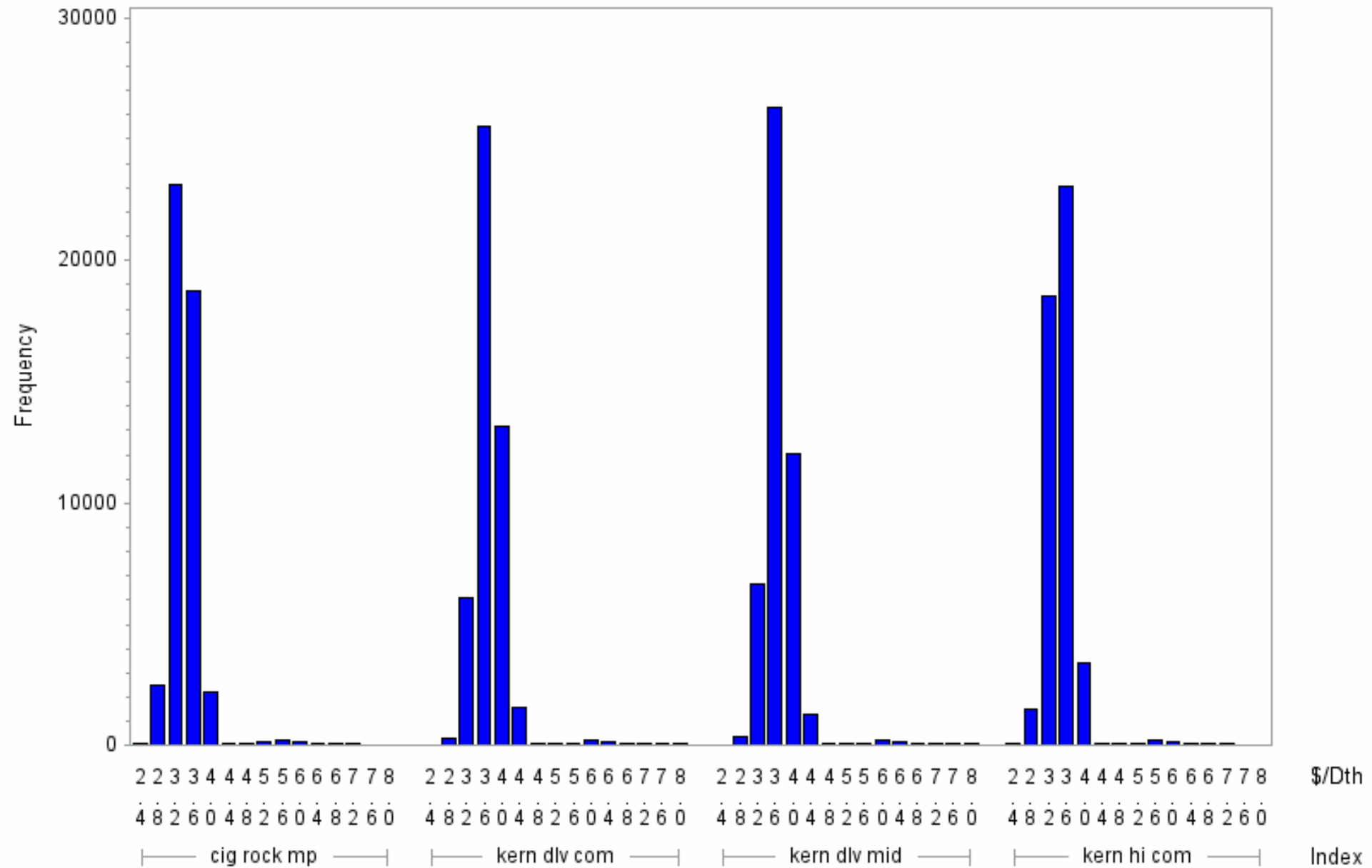
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=1

Exhibit 10.27



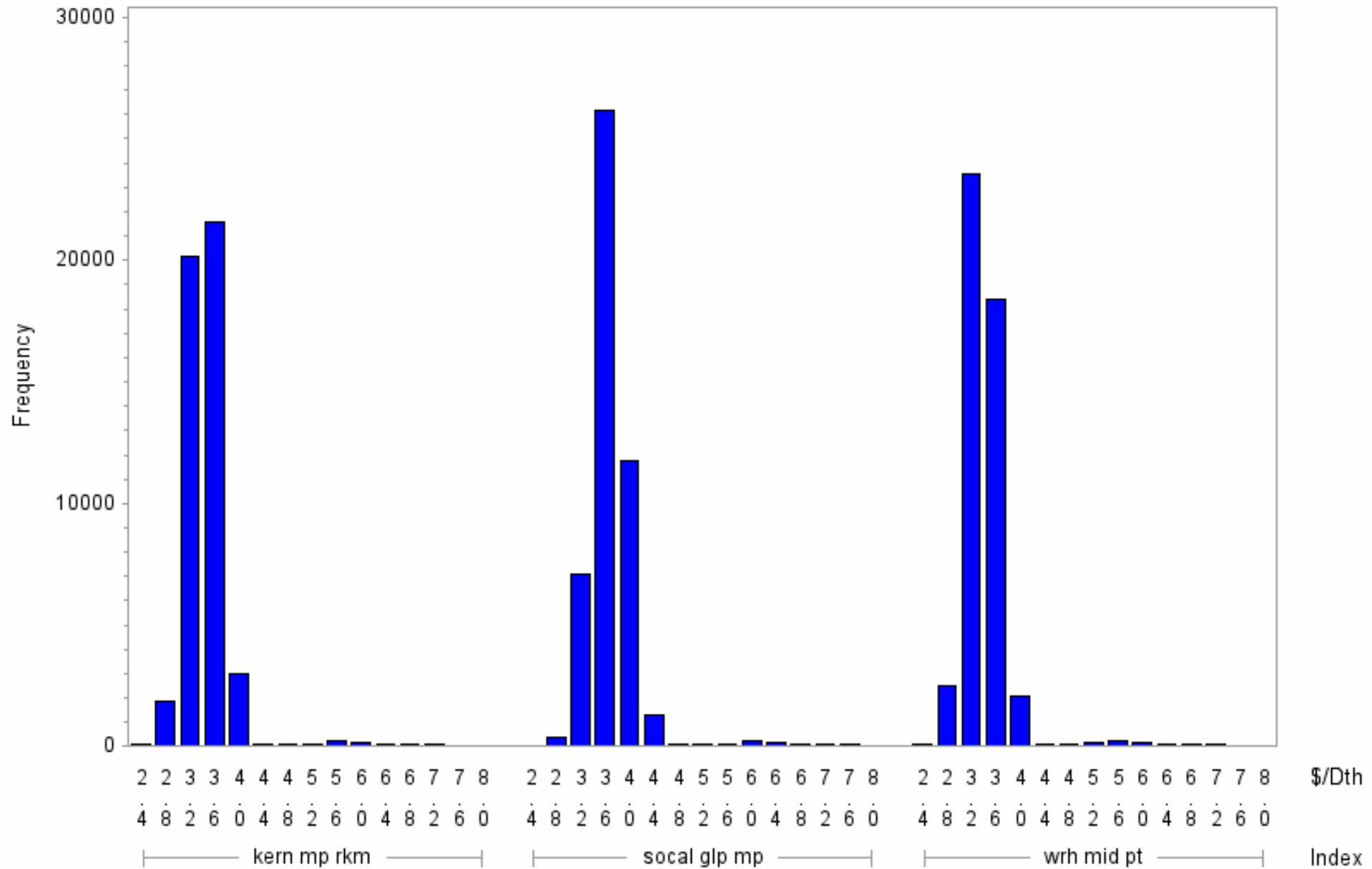
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=1

Exhibit 10.28



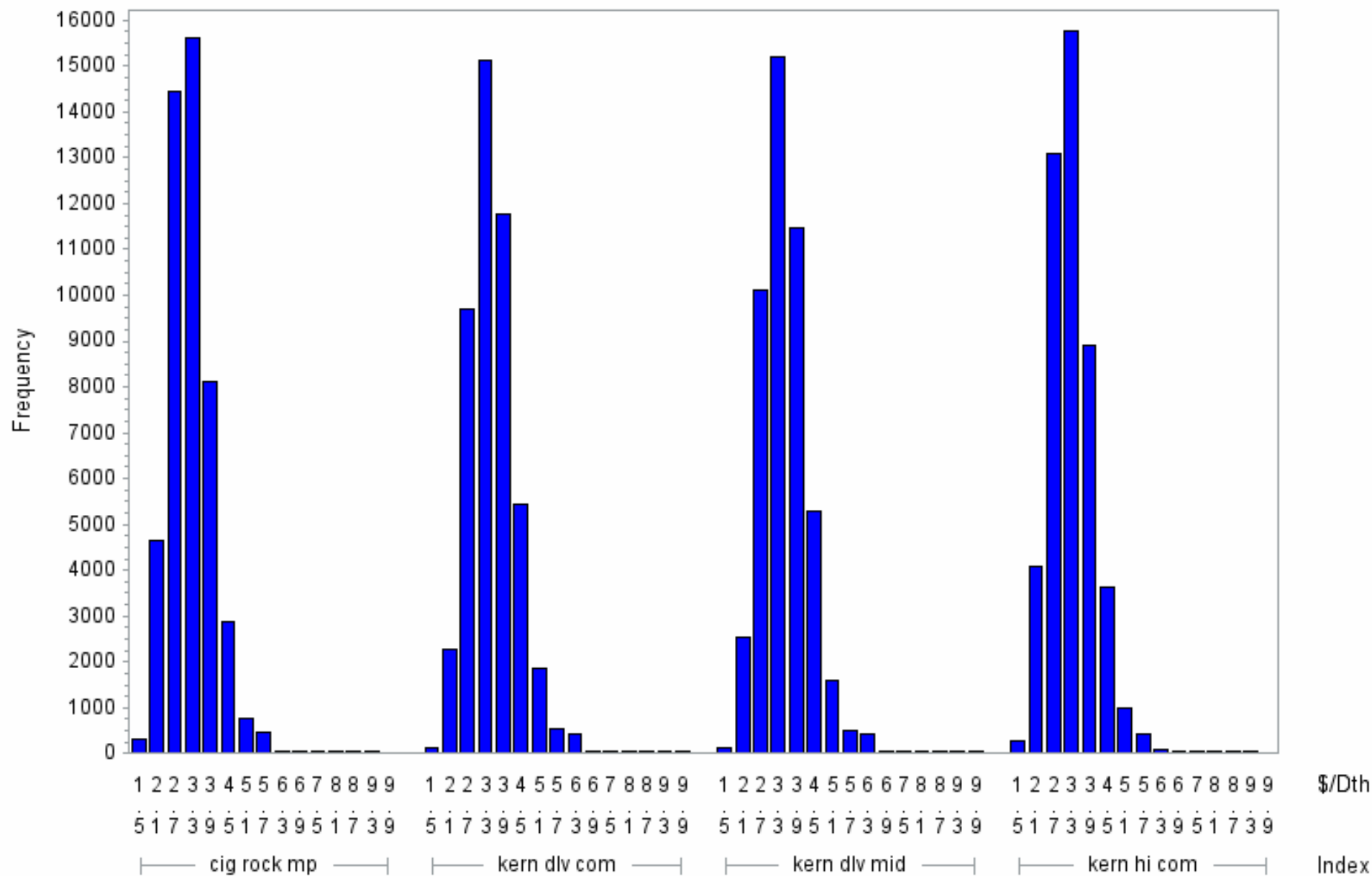
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=2

Exhibit 10.29



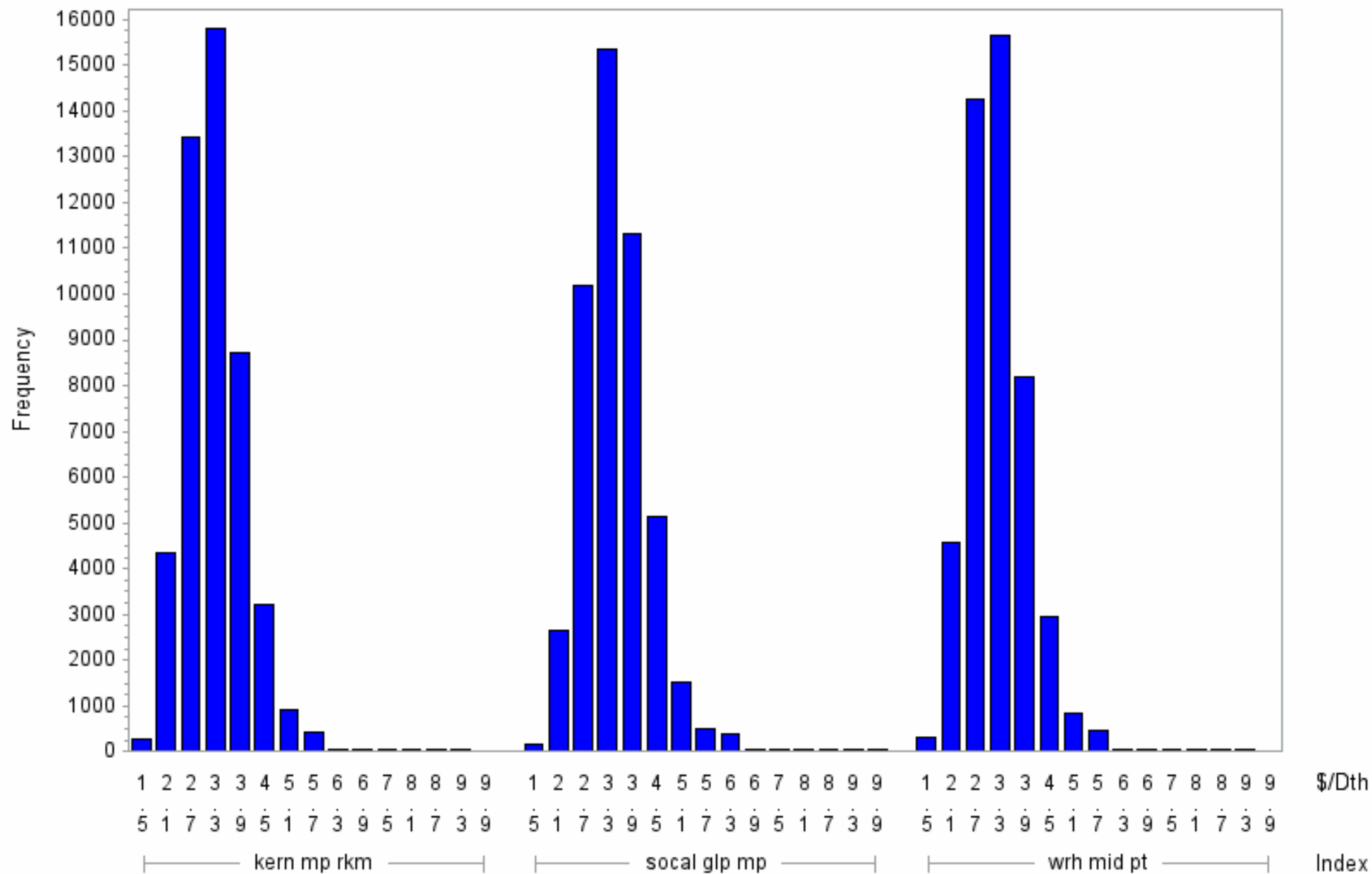
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=2

Exhibit 10.30



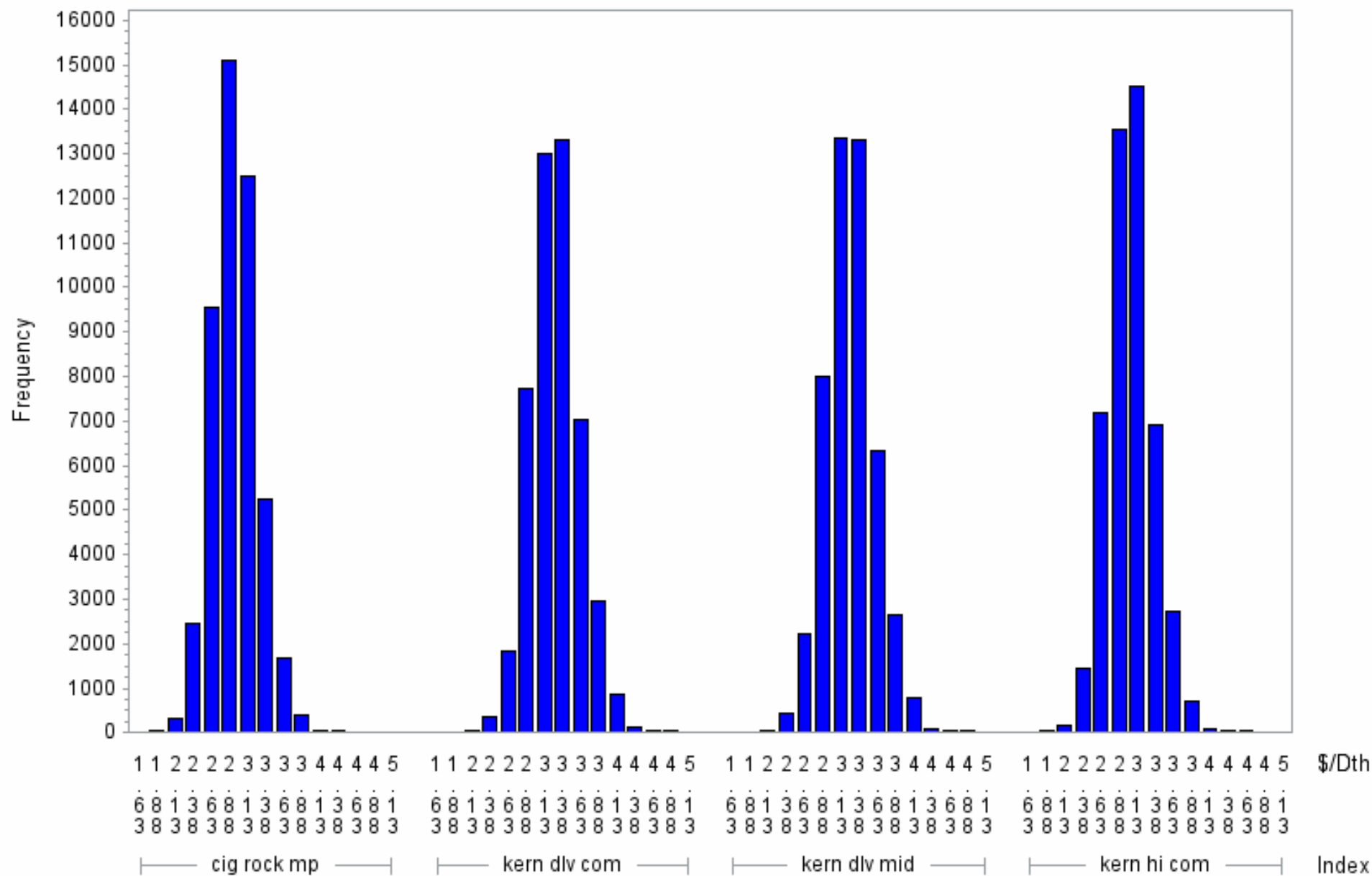
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=3

Exhibit 10.31



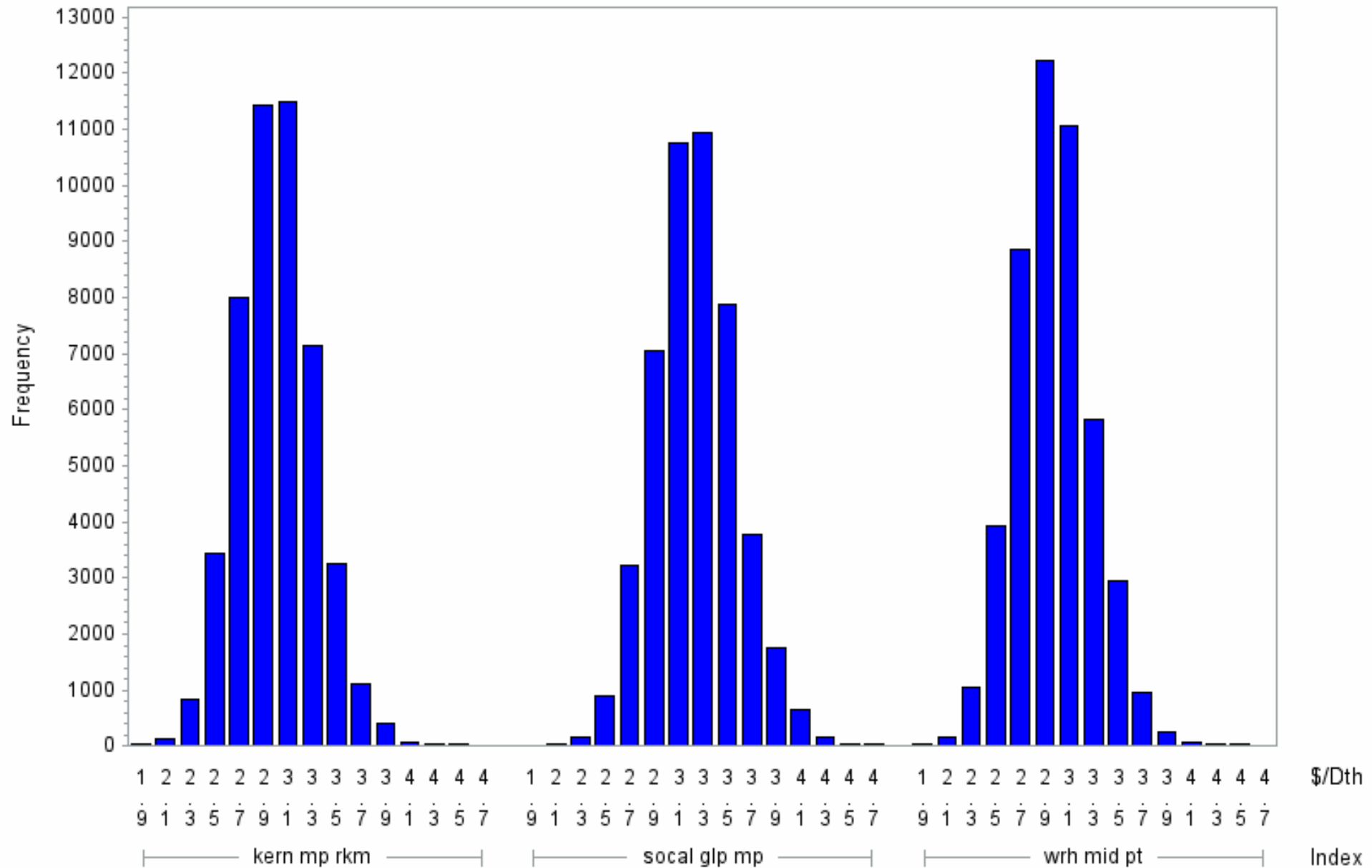
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=3

Exhibit 10.32



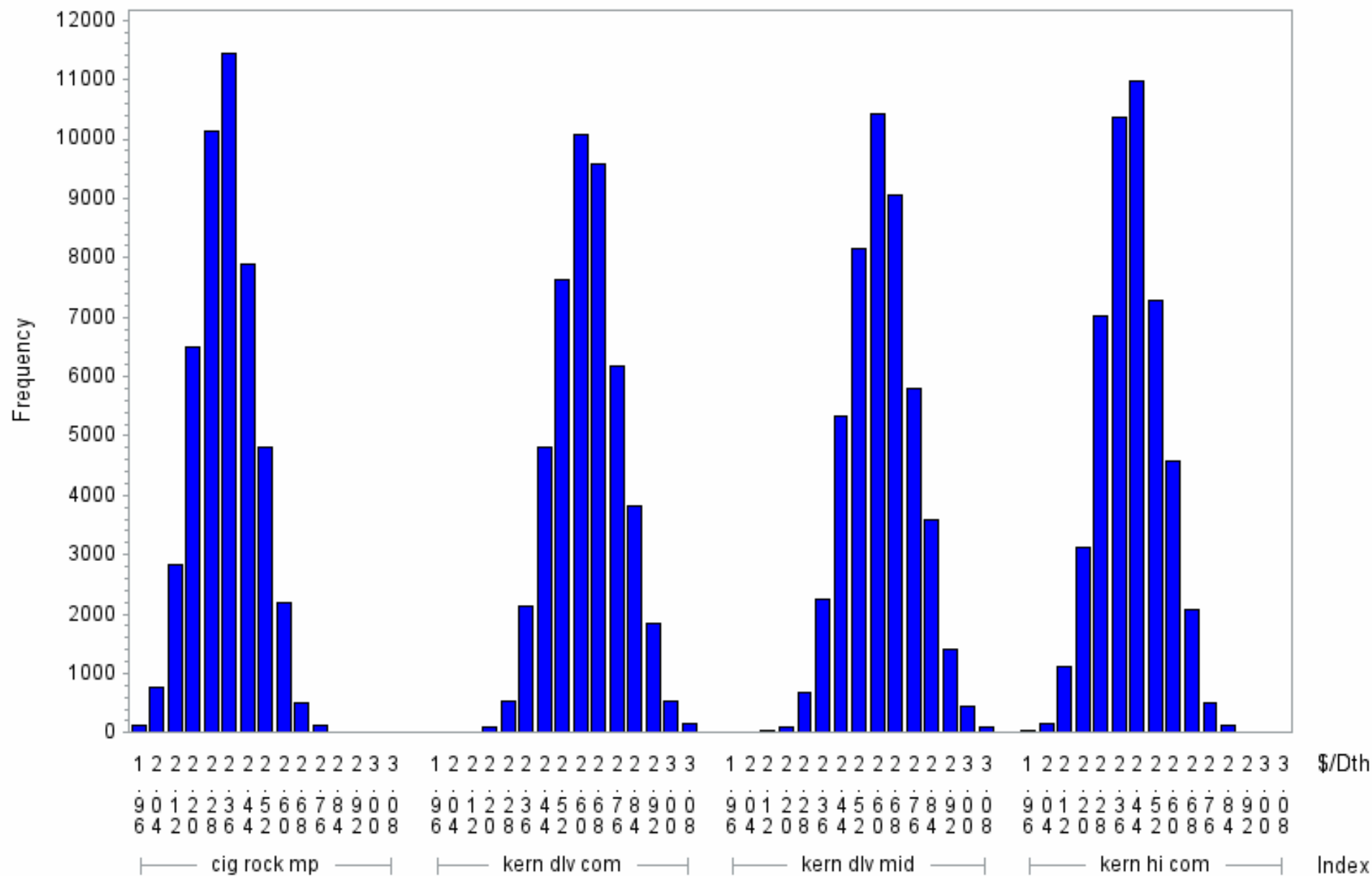
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=4

Exhibit 10.33



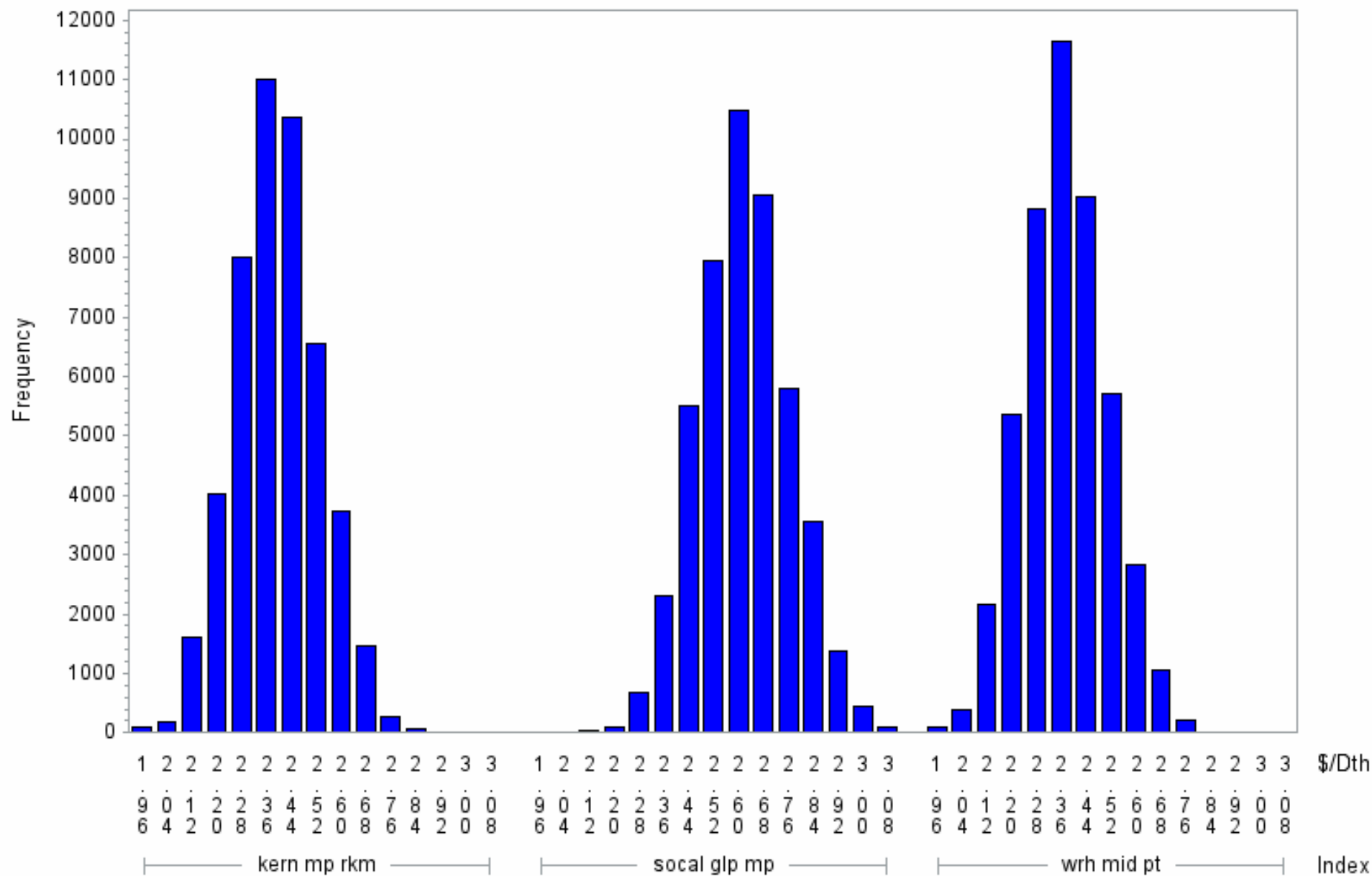
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=4

Exhibit 10.34



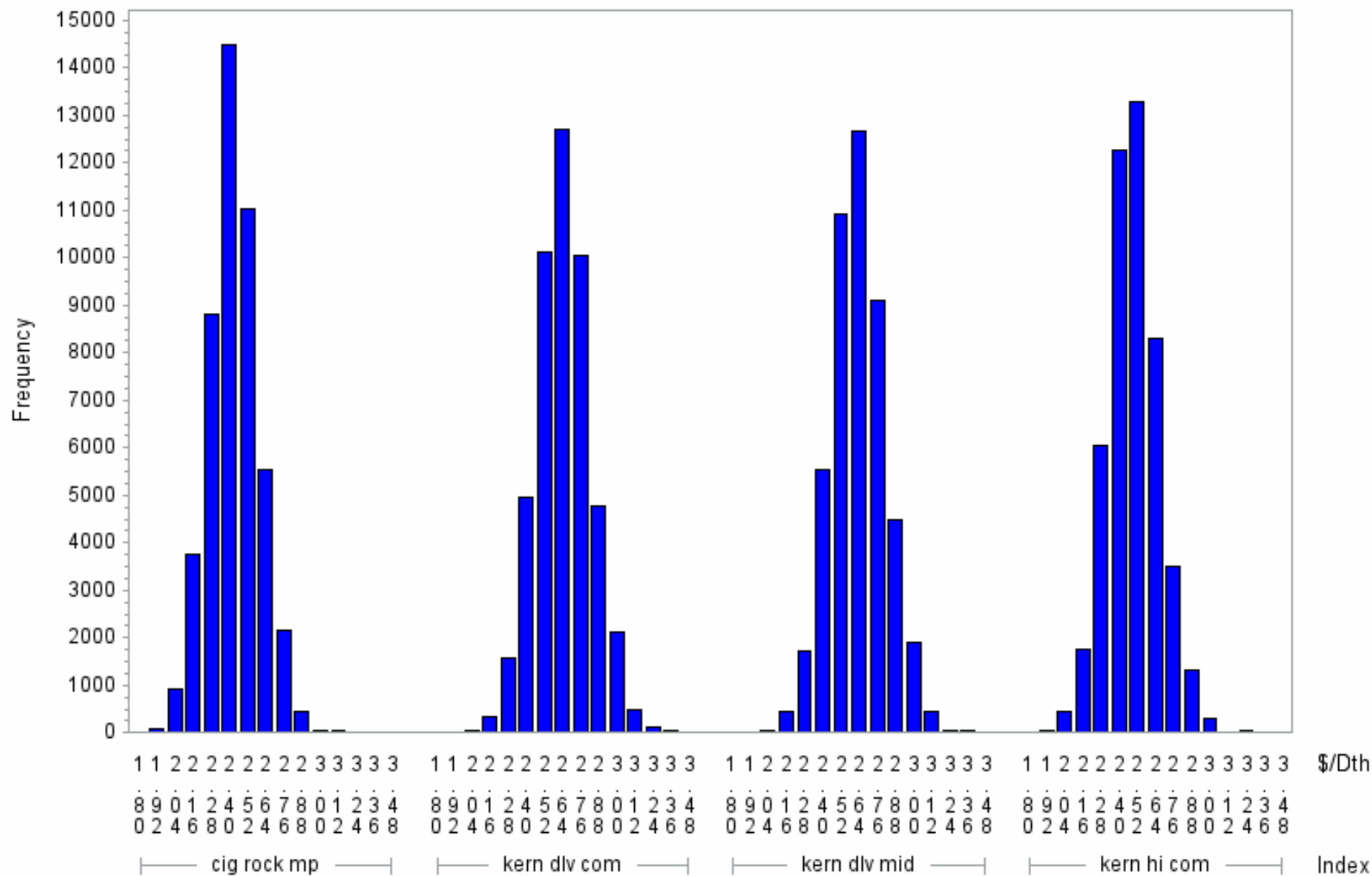
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=5

Exhibit 10.35



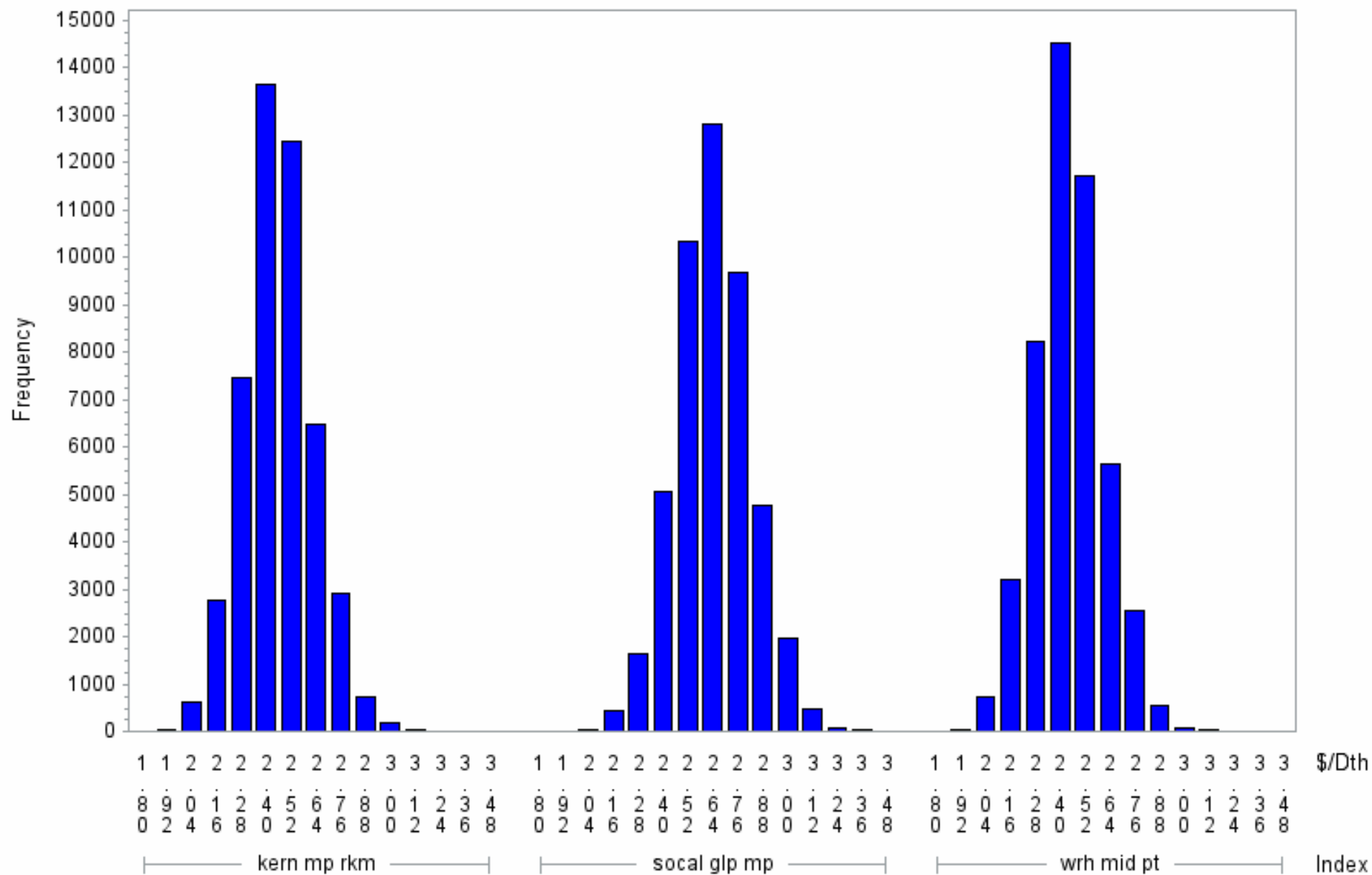
Daily Index Price Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=5

Exhibit 10.36

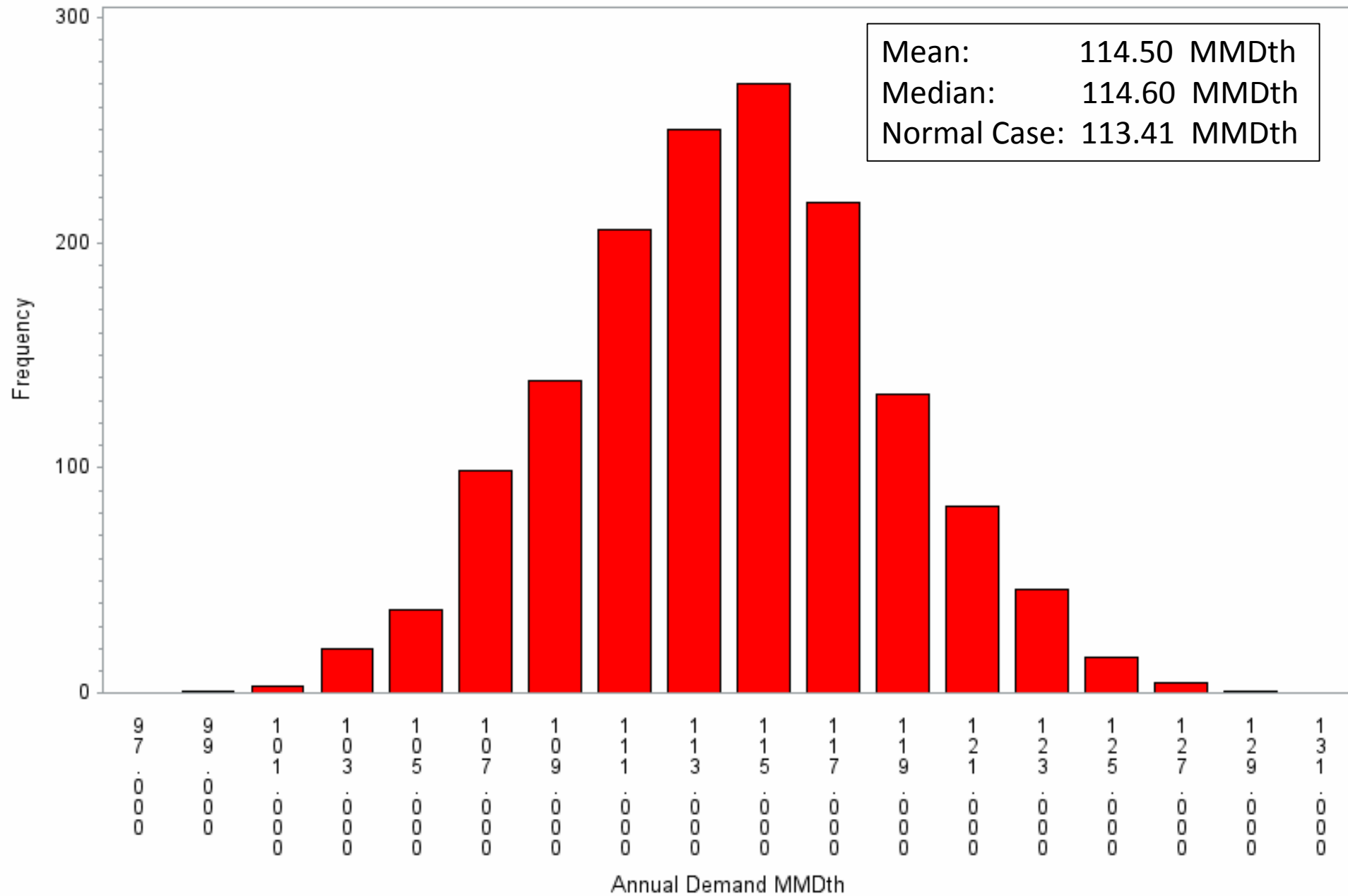


Annual Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

Exhibit 10.37



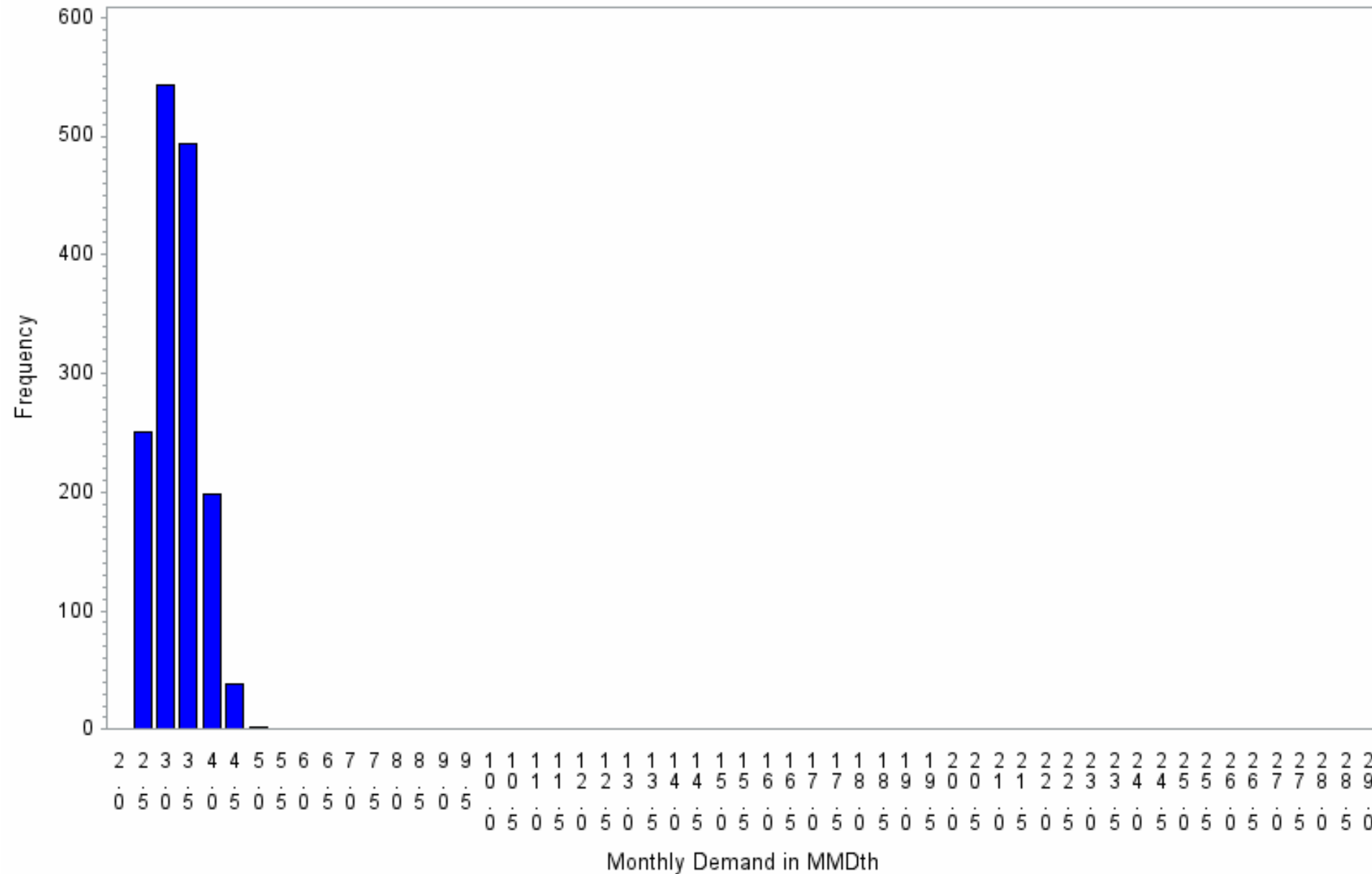
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=6

Exhibit 10.38



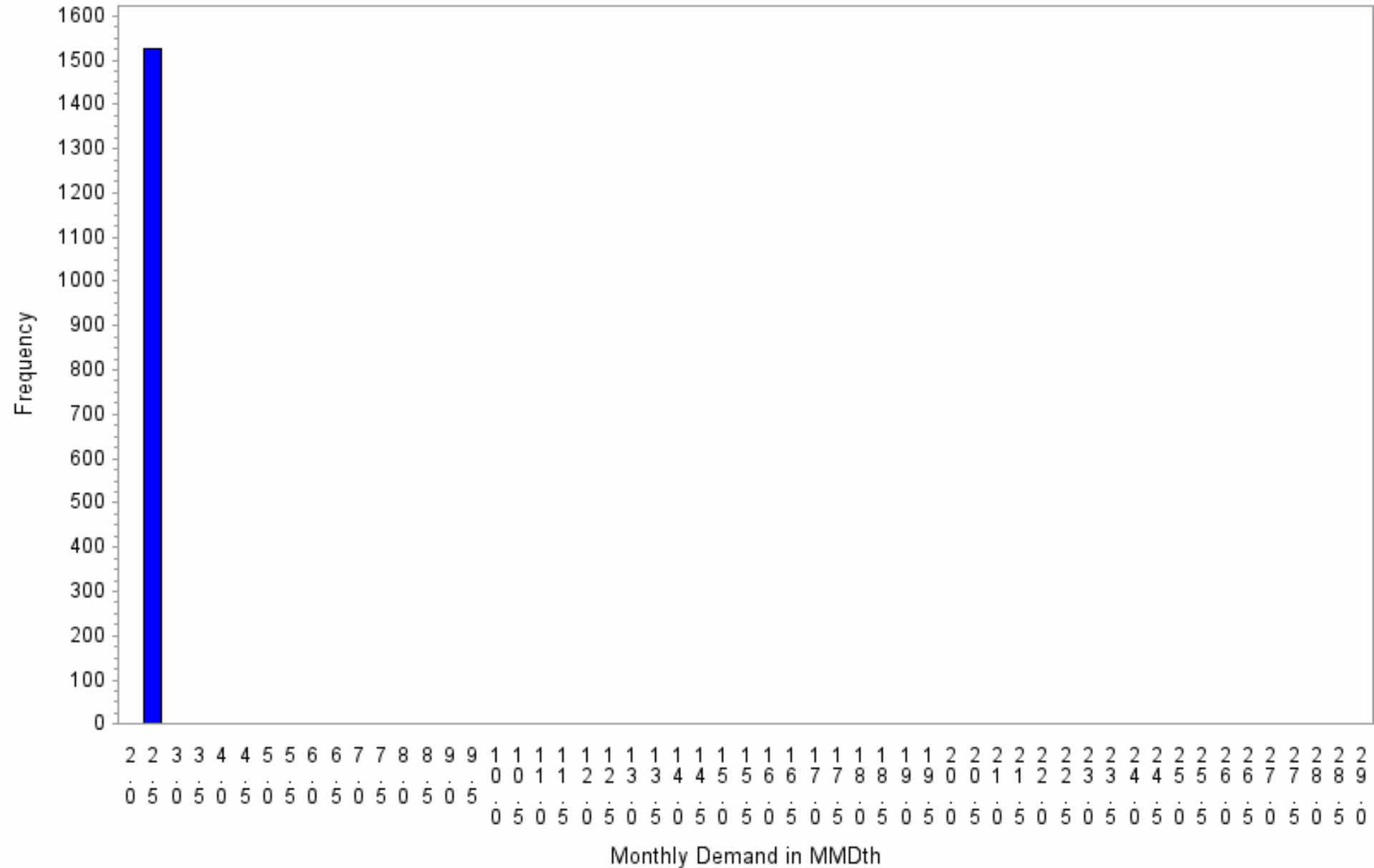
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=7

Exhibit 10.39



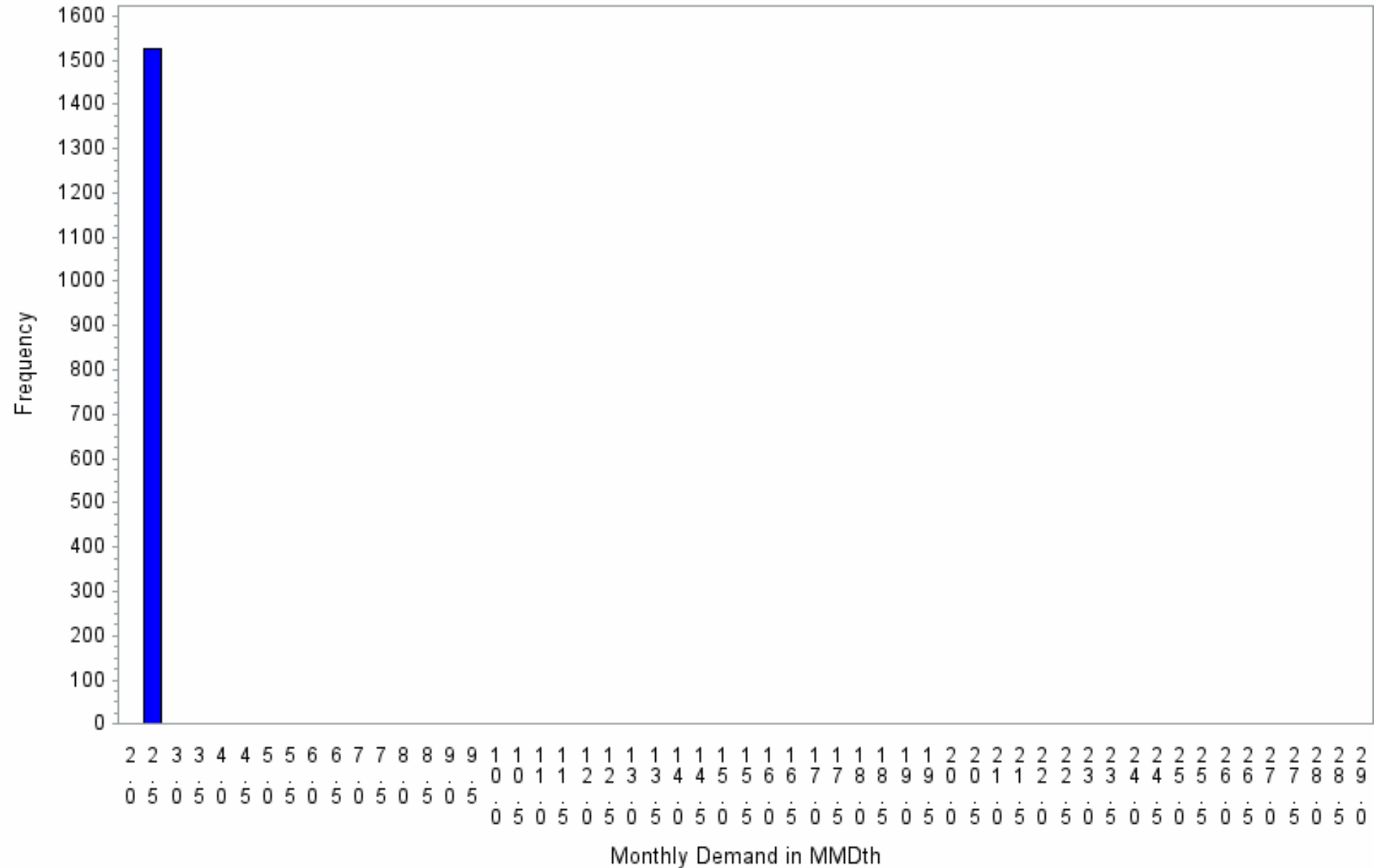
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=8

Exhibit 10.40



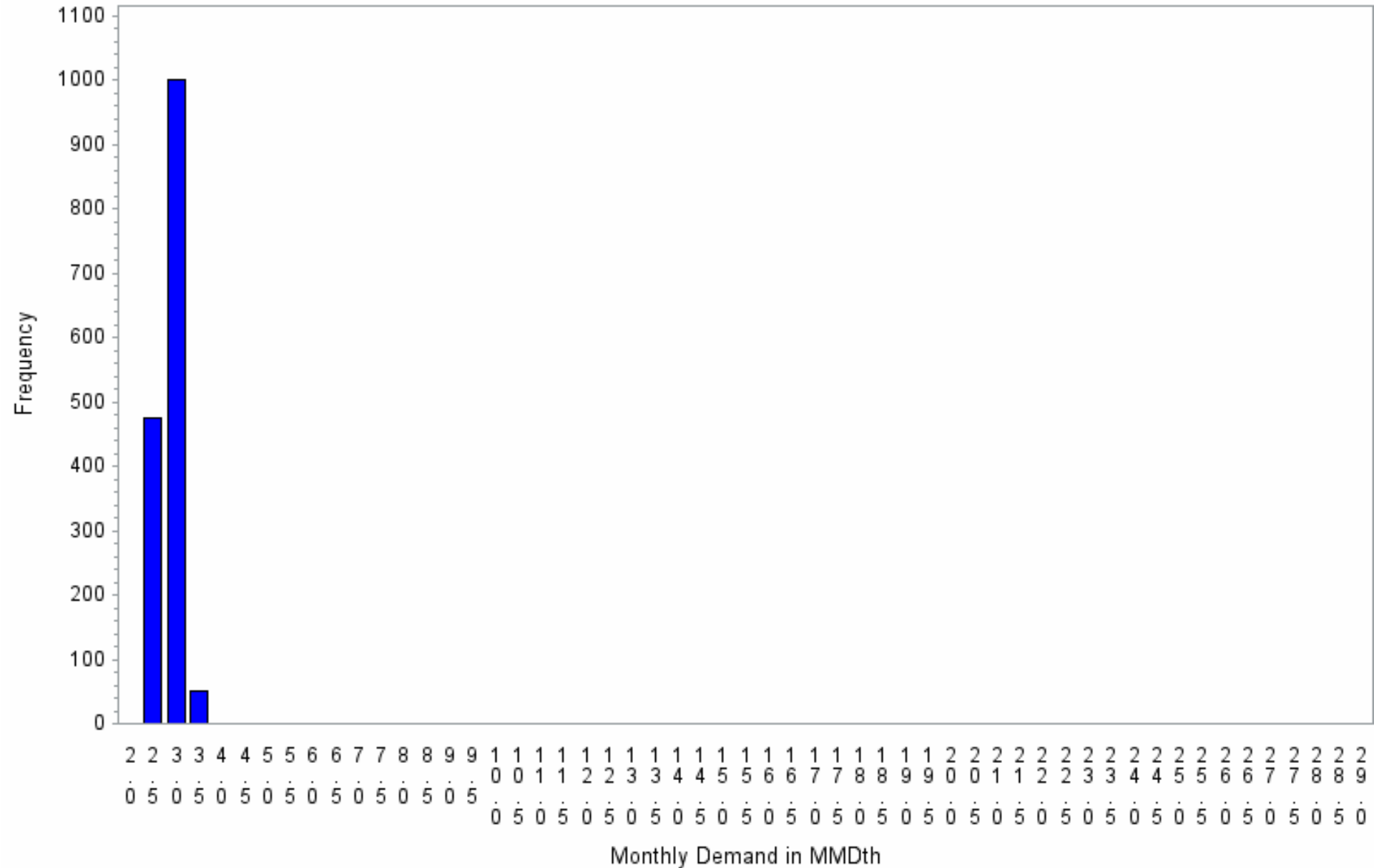
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=9

Exhibit 10.41



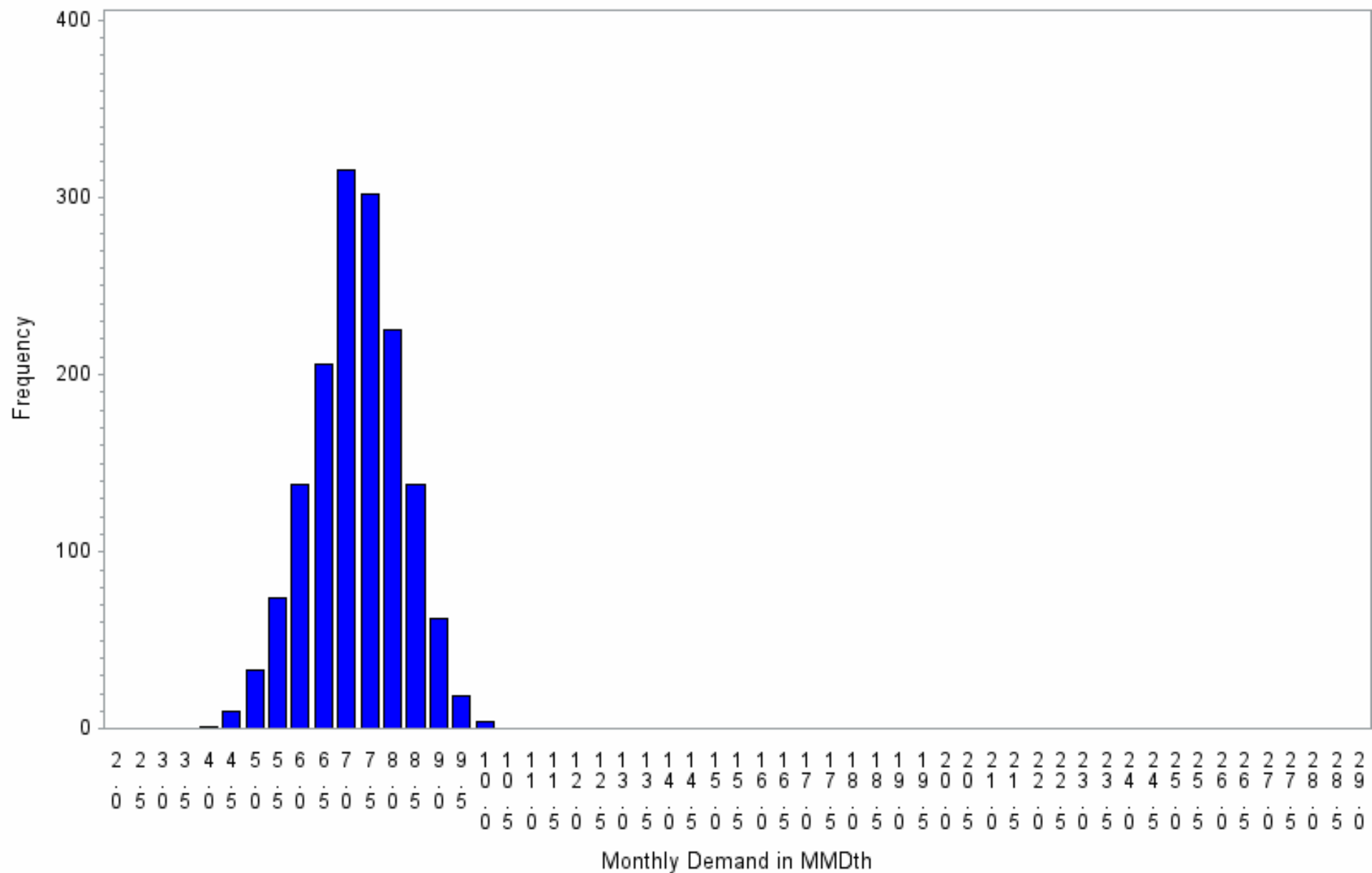
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=10

Exhibit 10.42



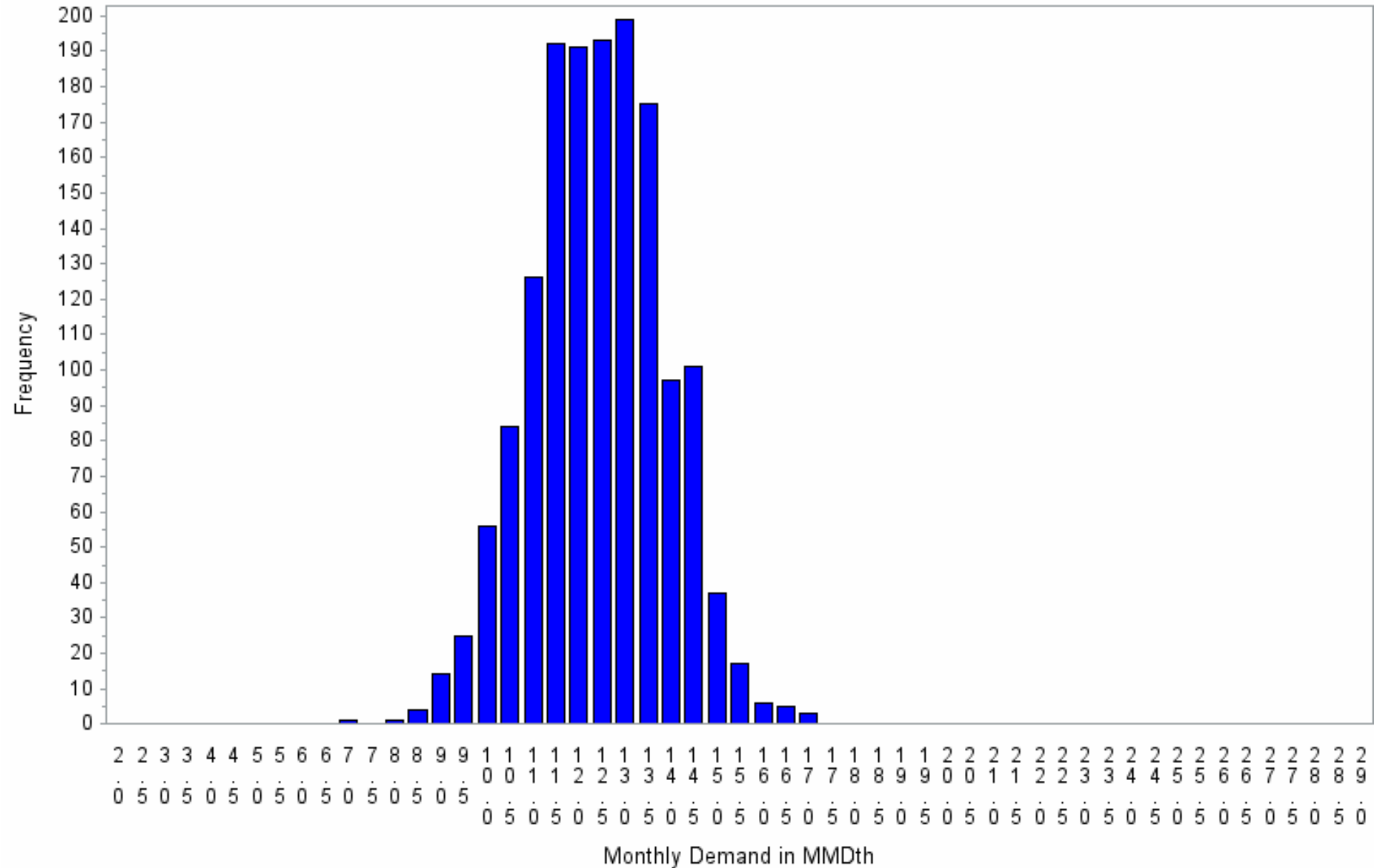
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=11

Exhibit 10.43



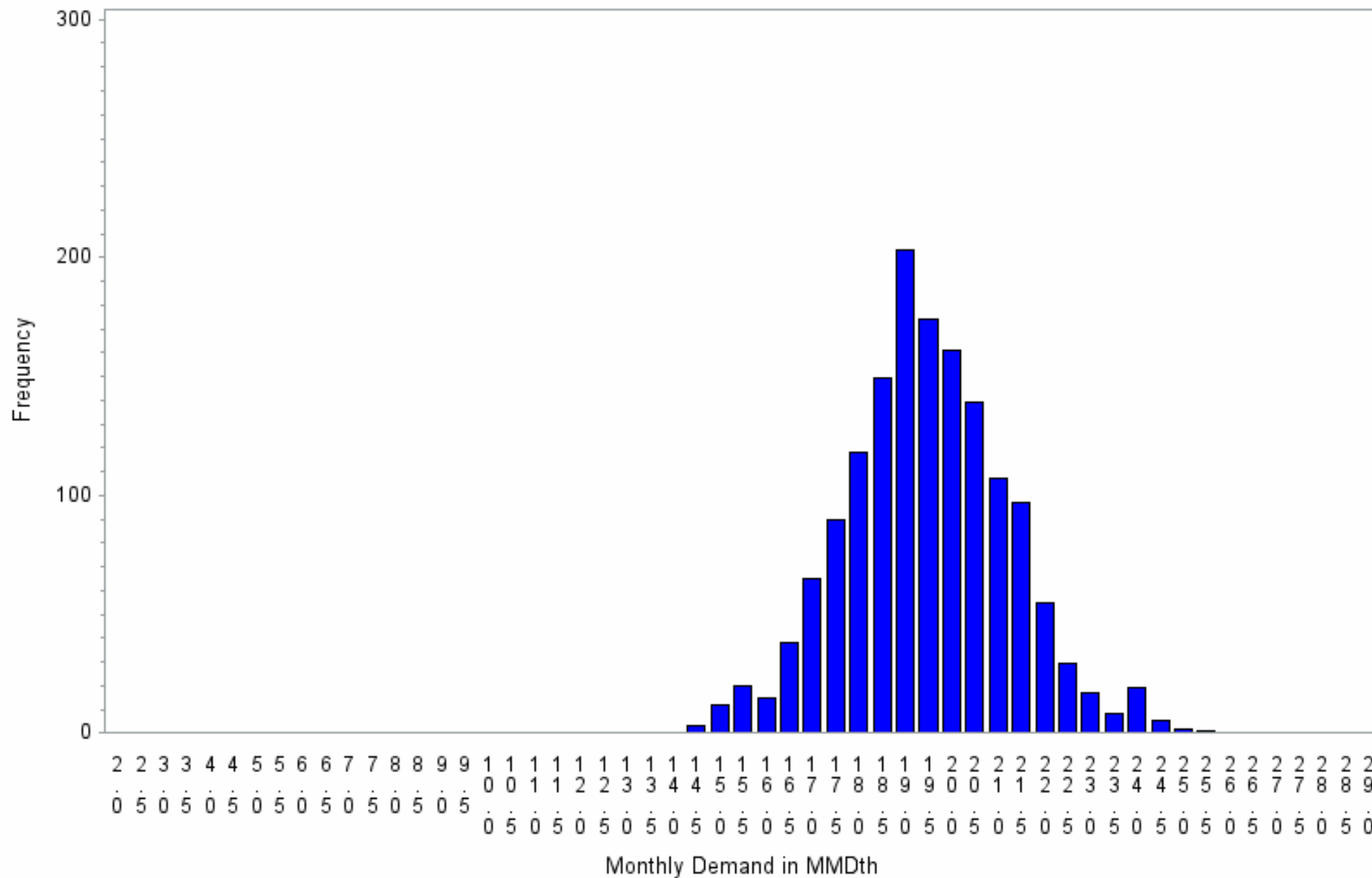
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=12

Exhibit 10.44



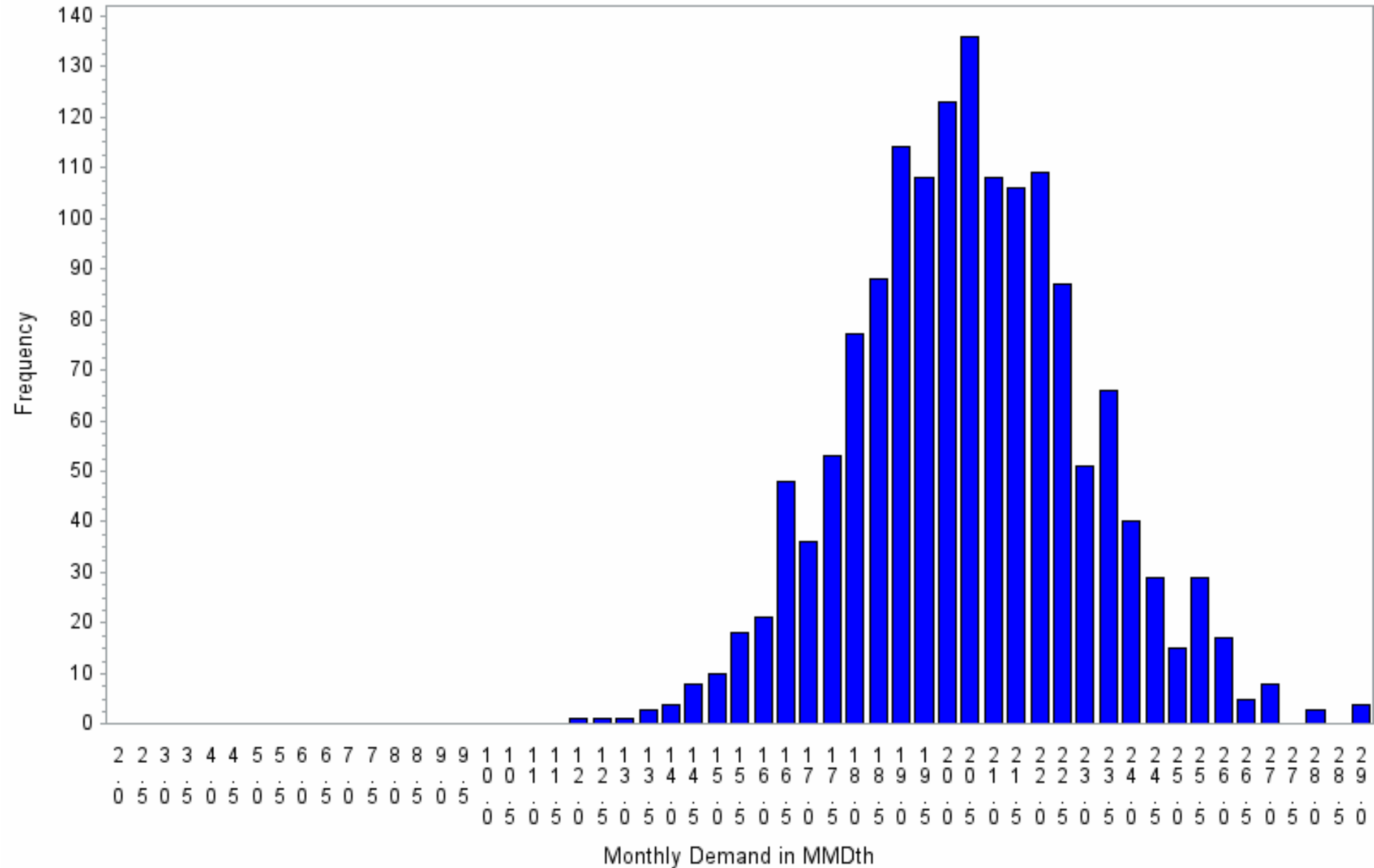
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=1

Exhibit 10.45



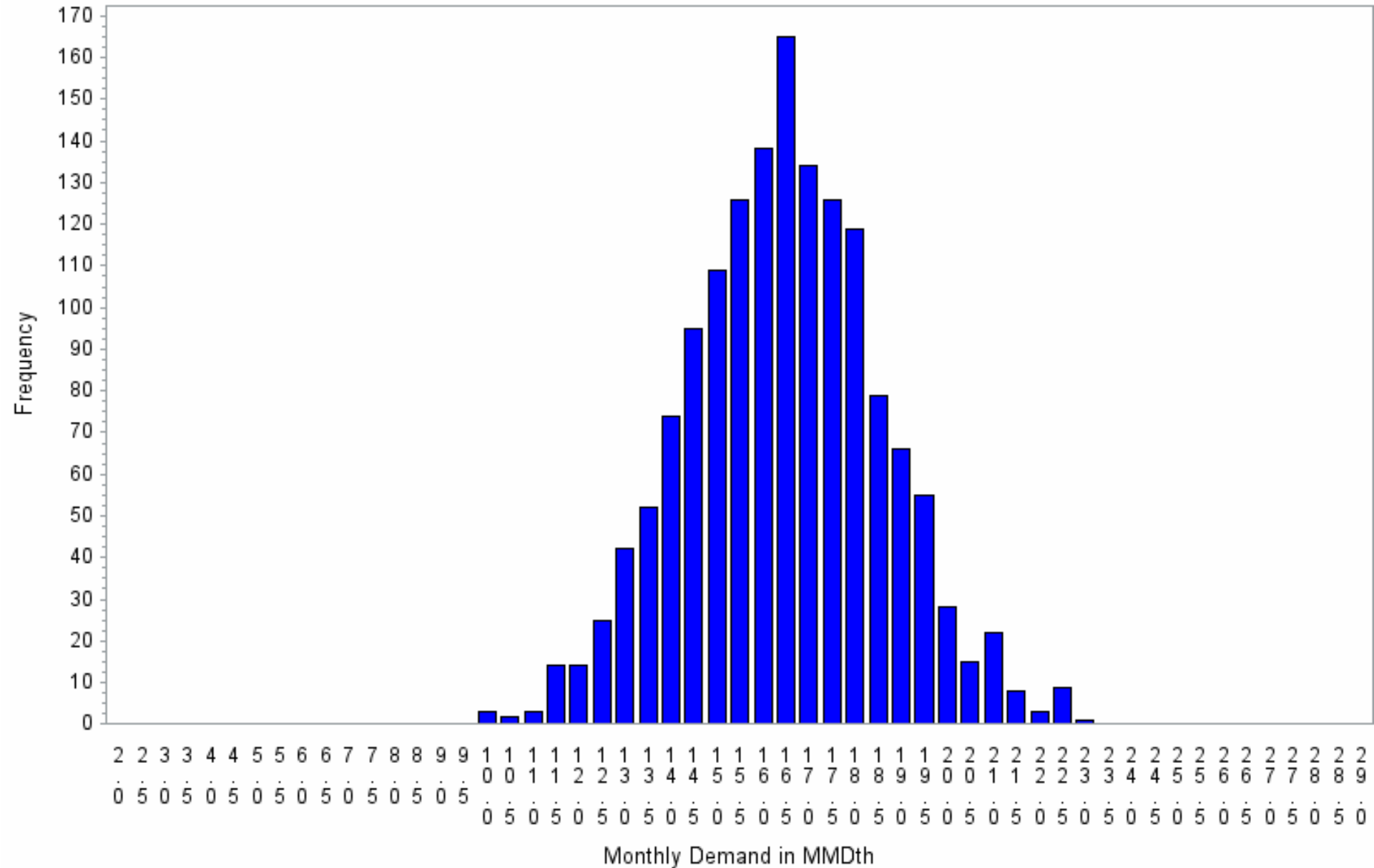
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=2

Exhibit 10.46



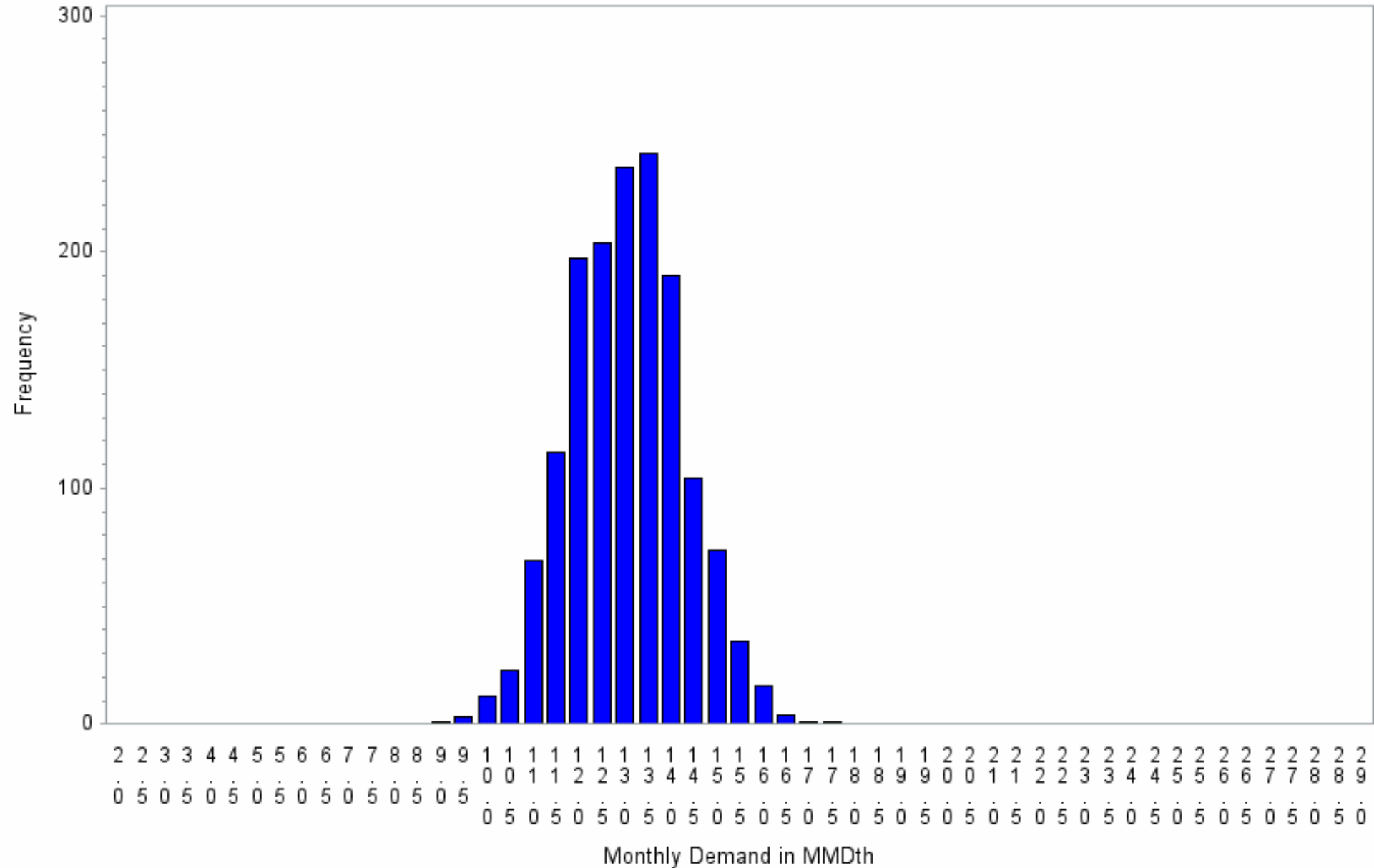
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=3

Exhibit 10.47



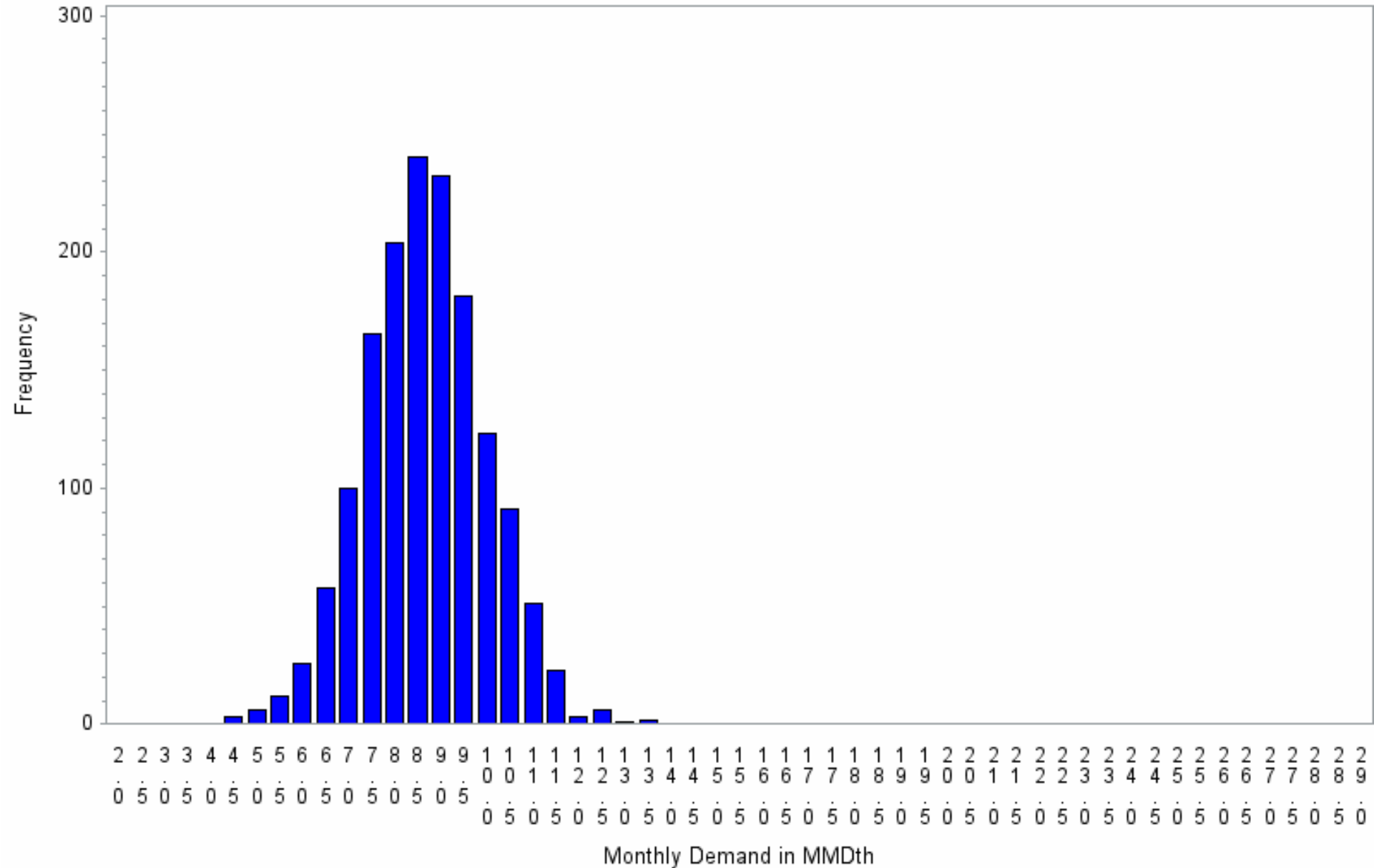
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=4

Exhibit 10.48



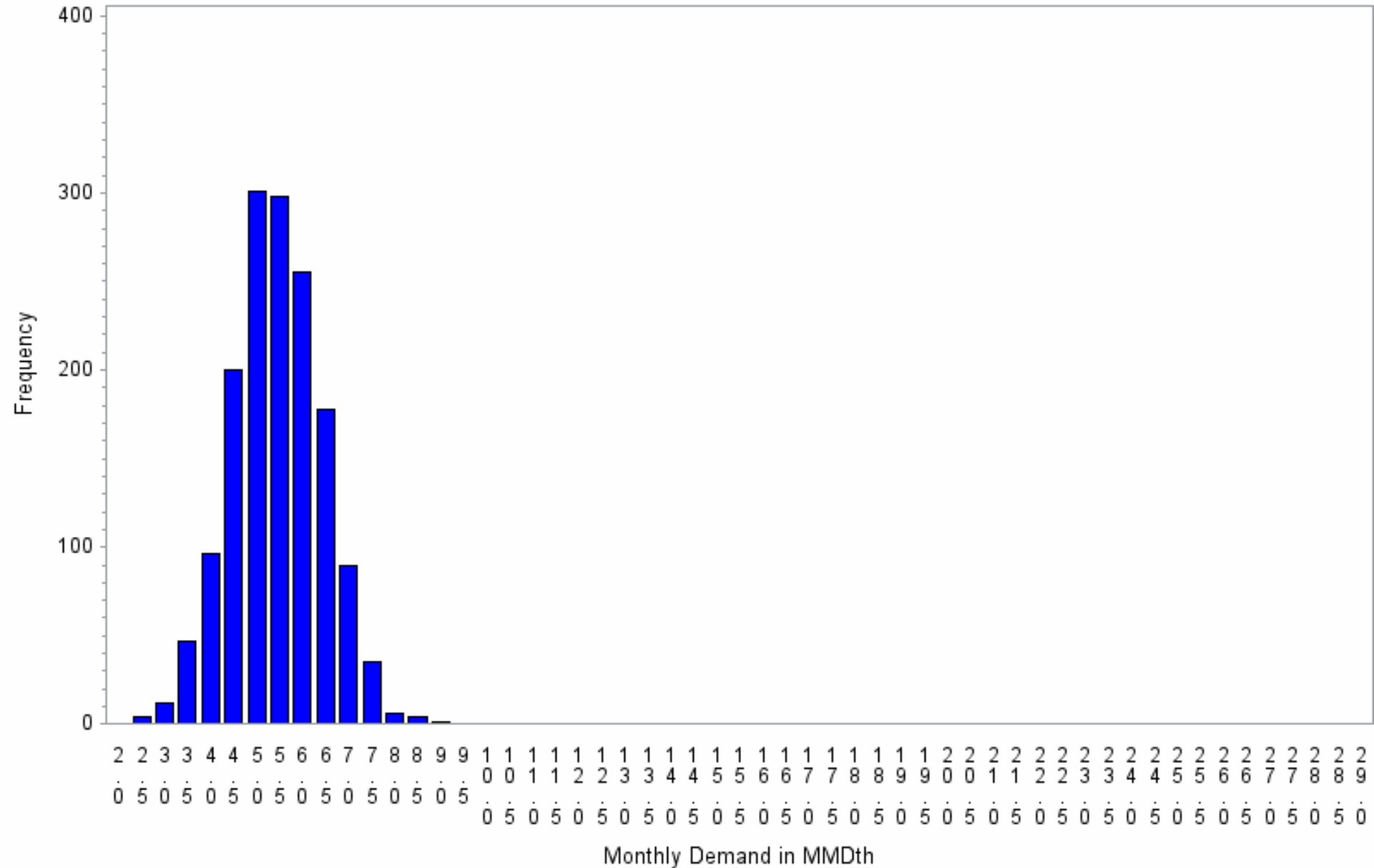
Monthly Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=5

Exhibit 10.49

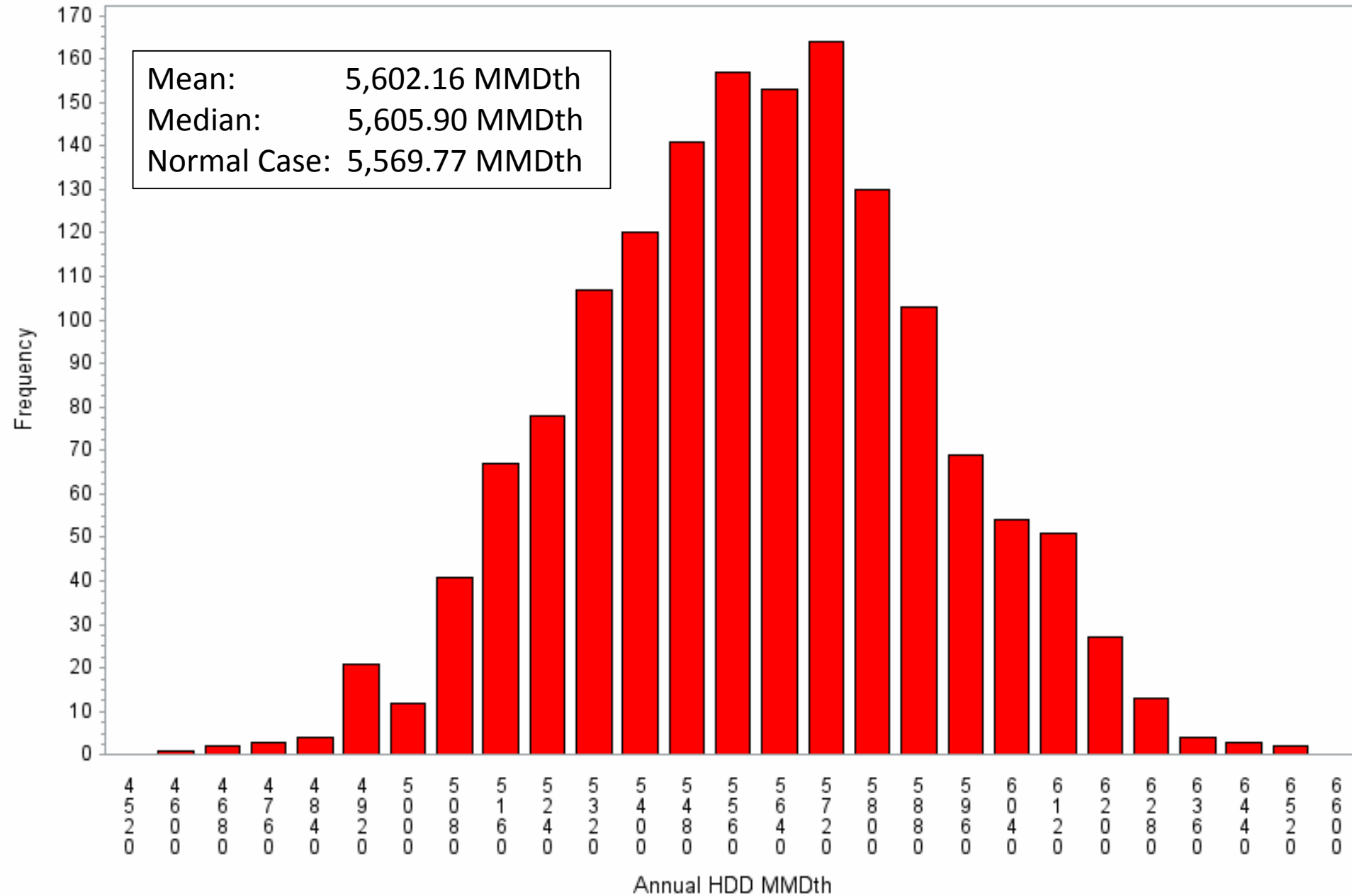


Annual Heating Degree Day Distribution

2017 Plan Year

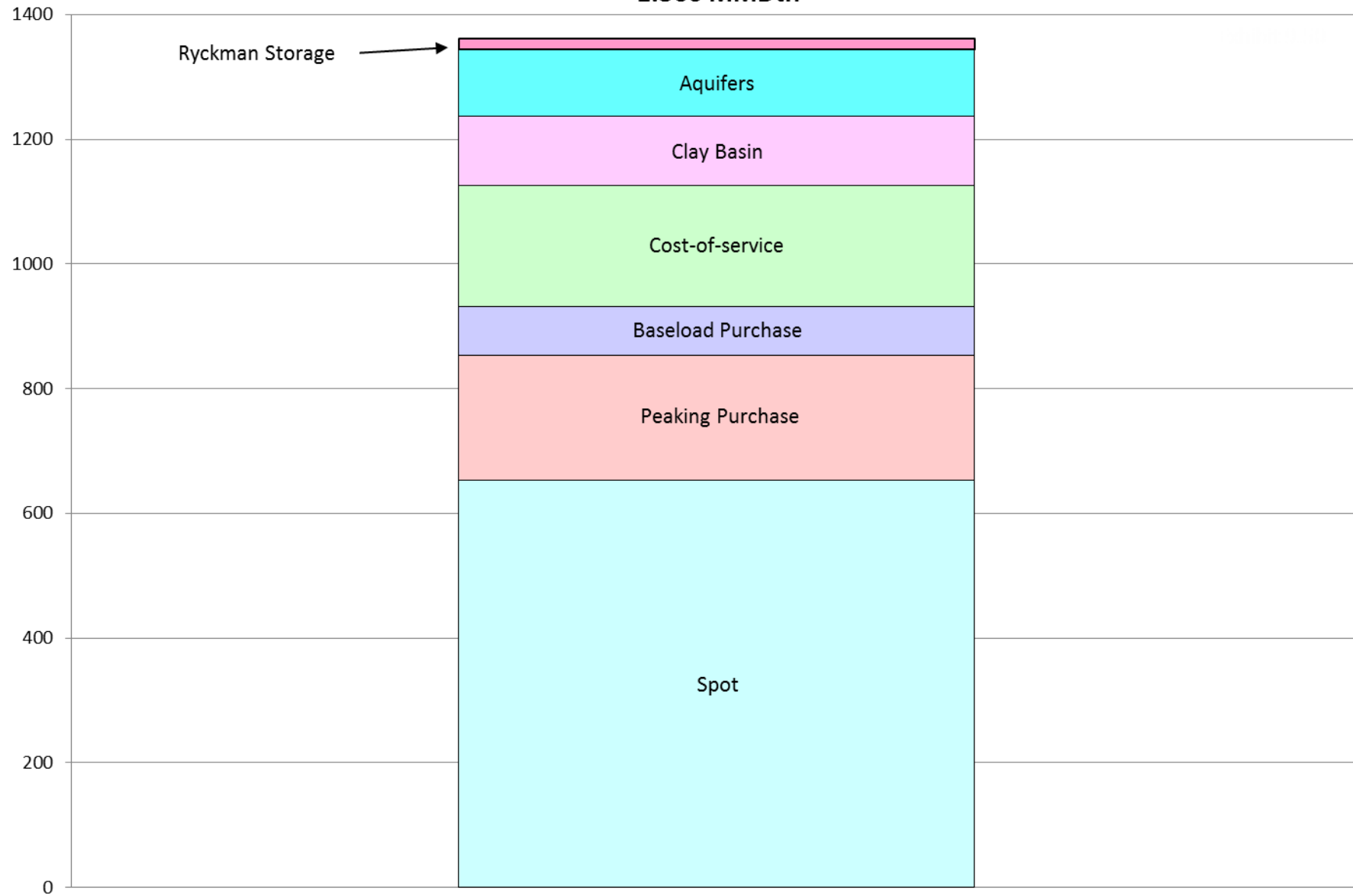
Scenario 1001 : 1527 Draws

Exhibit 10.50



2017 - 2018 Sources for Peak Day
1.360 MMDth

Exhibit 10.51

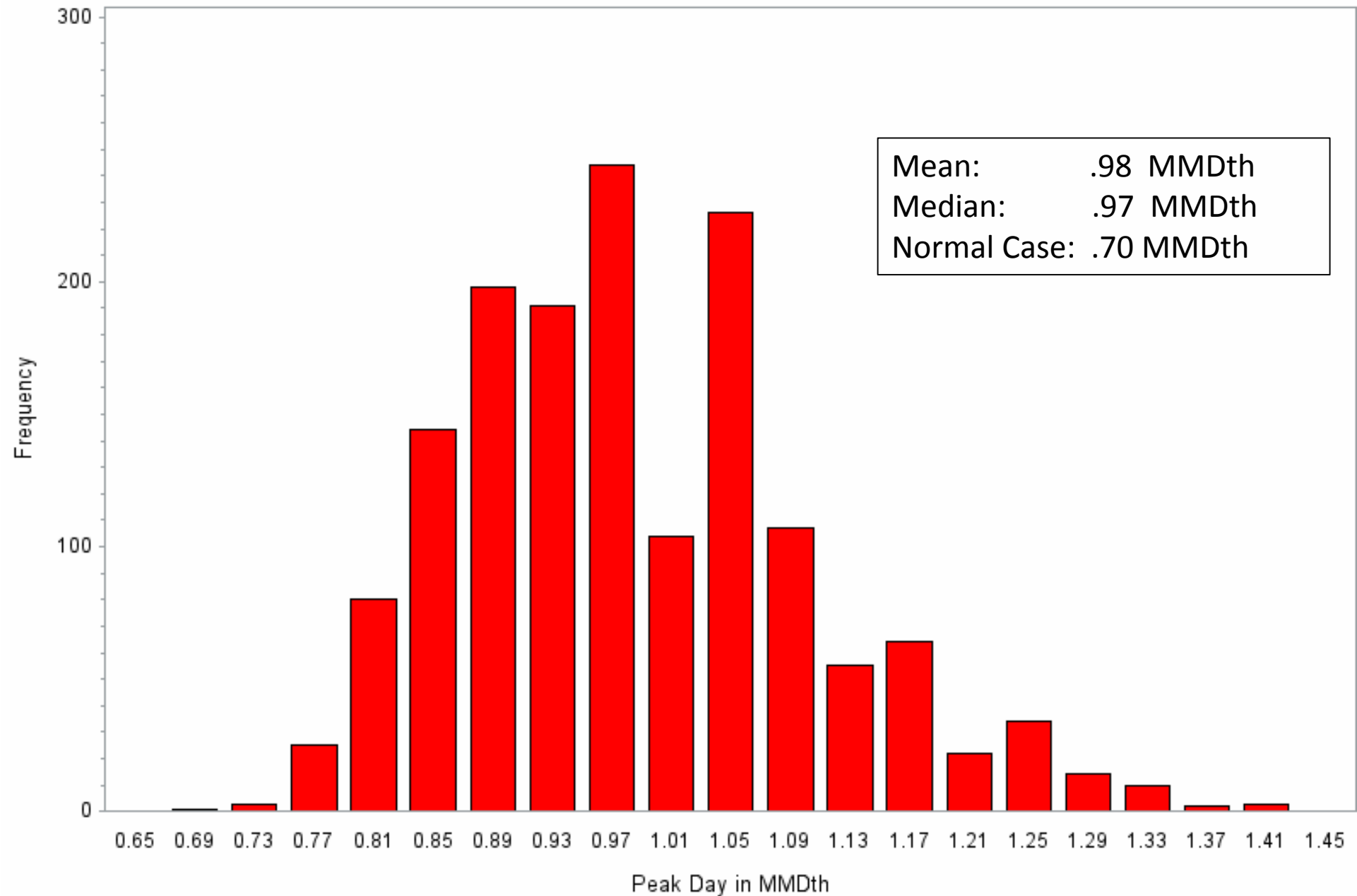


Firm Peak Day Demand Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

Exhibit 10.52



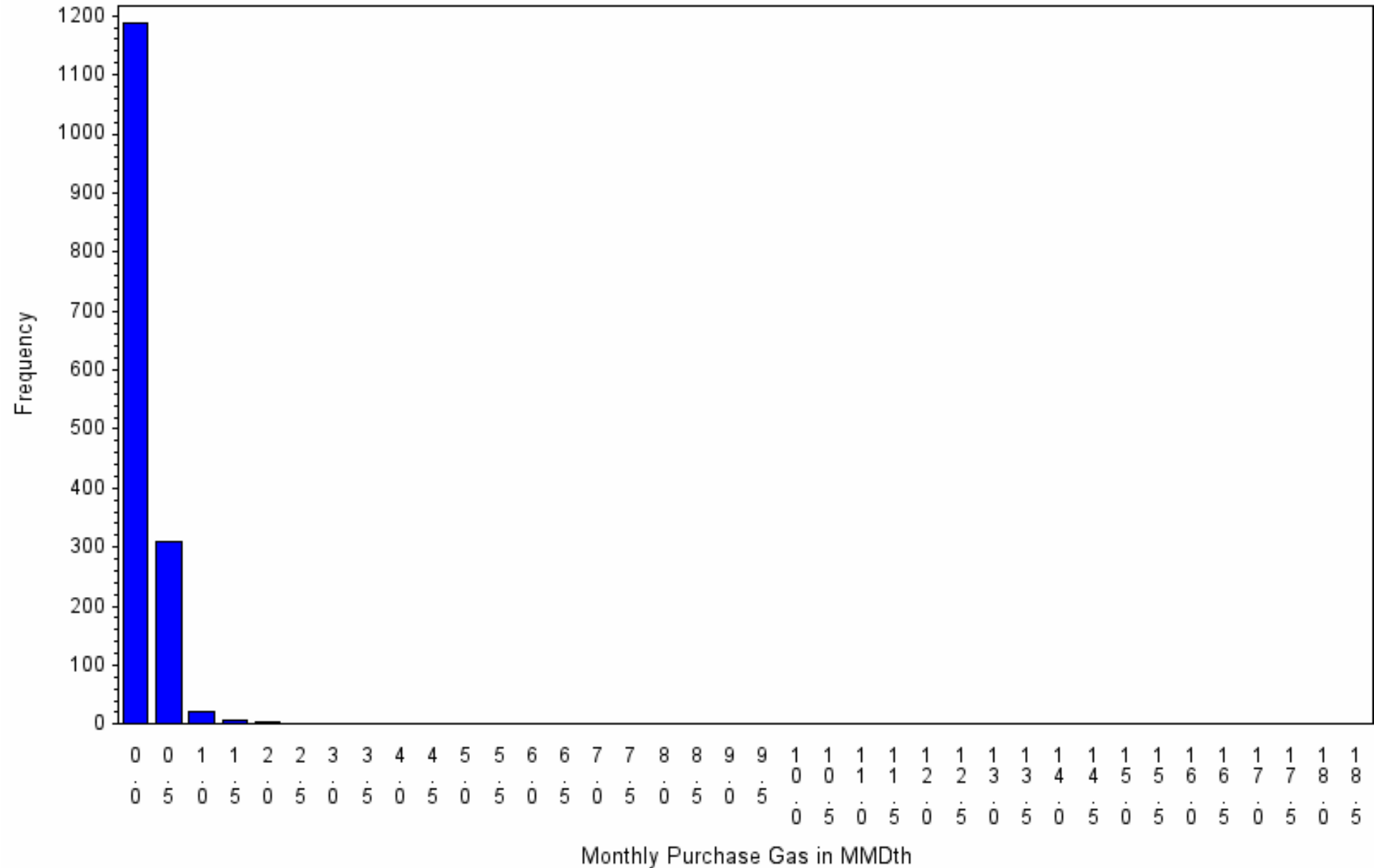
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=6

Exhibit 10.53



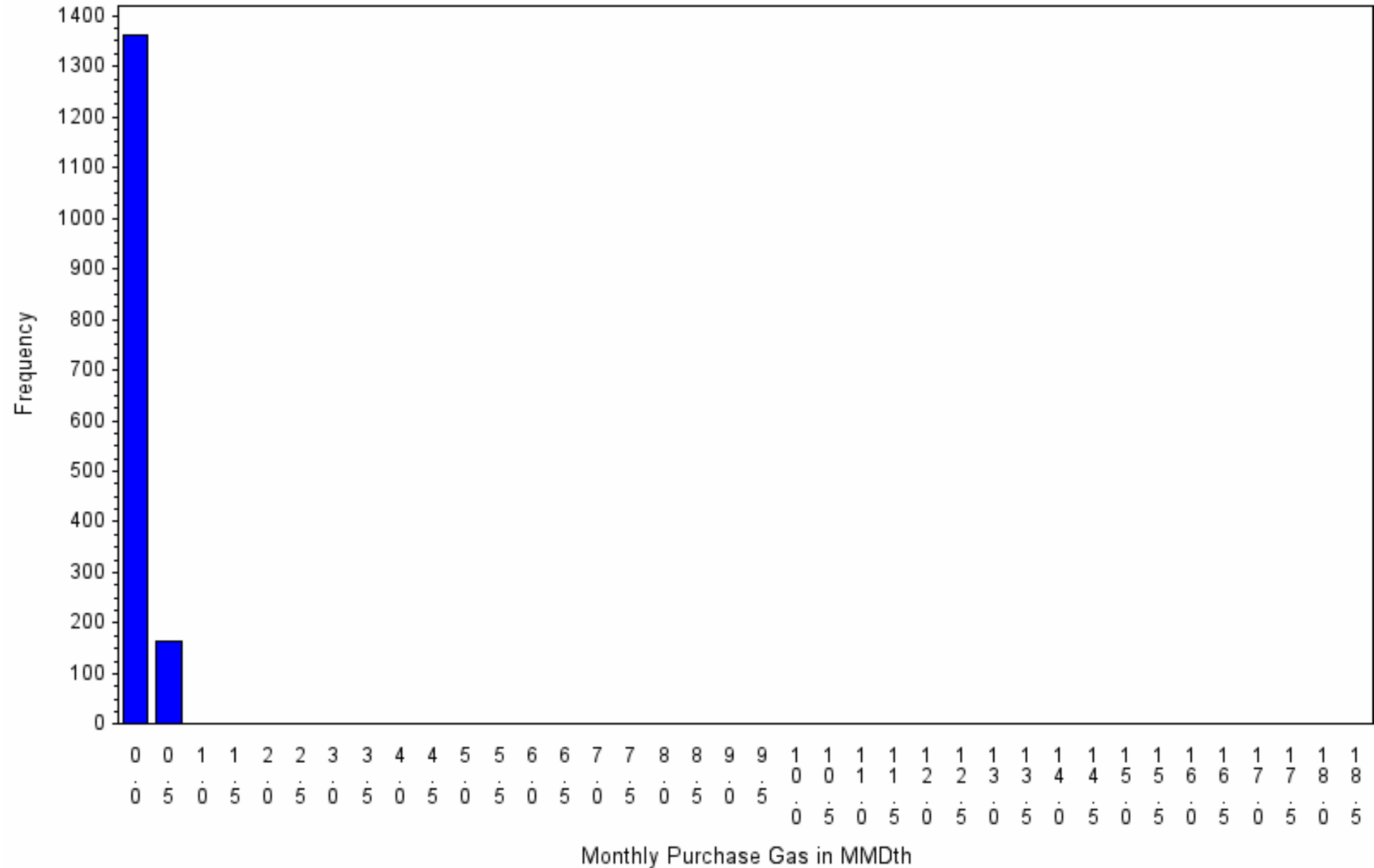
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=7

Exhibit 10.54



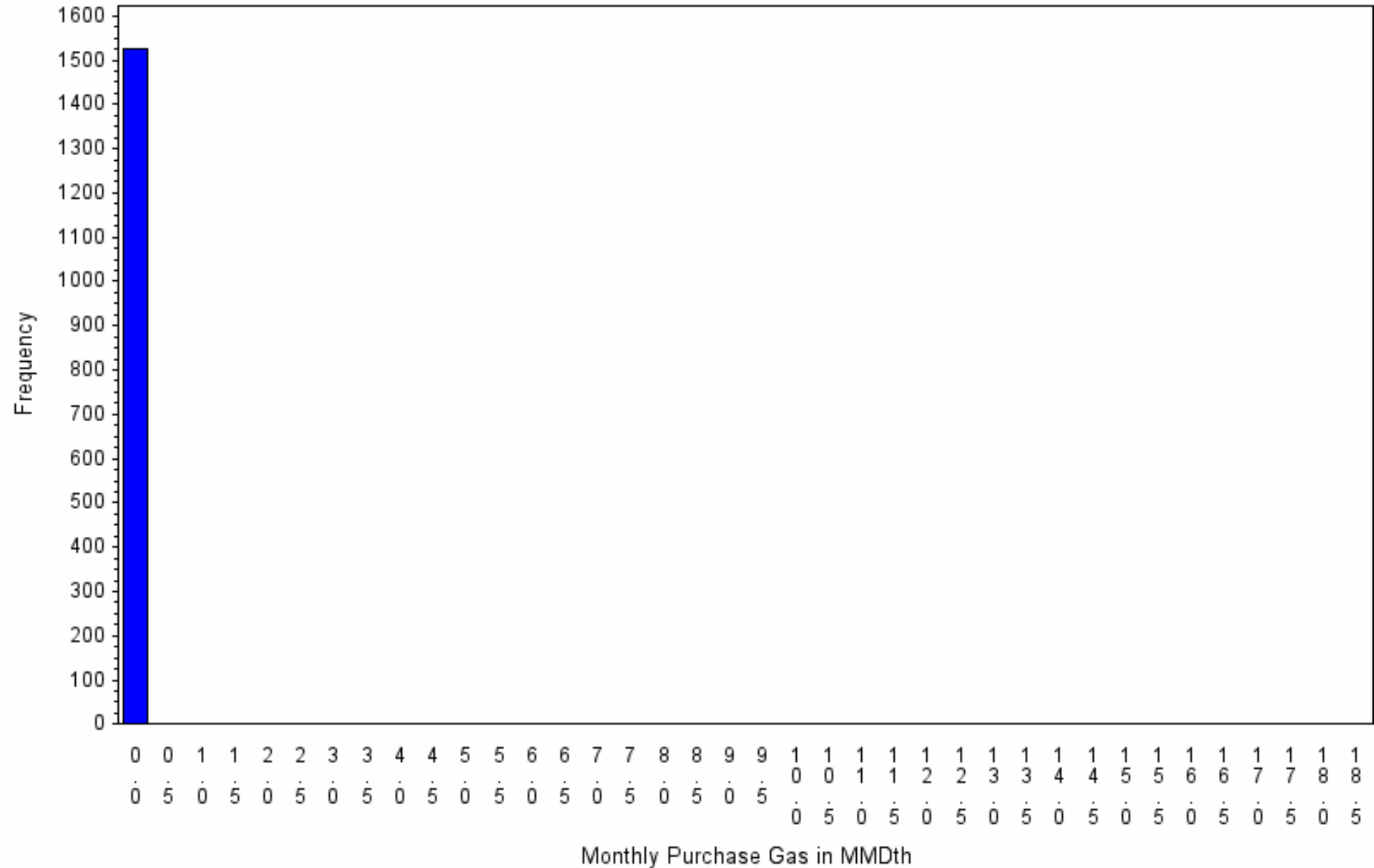
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=8

Exhibit 10.55



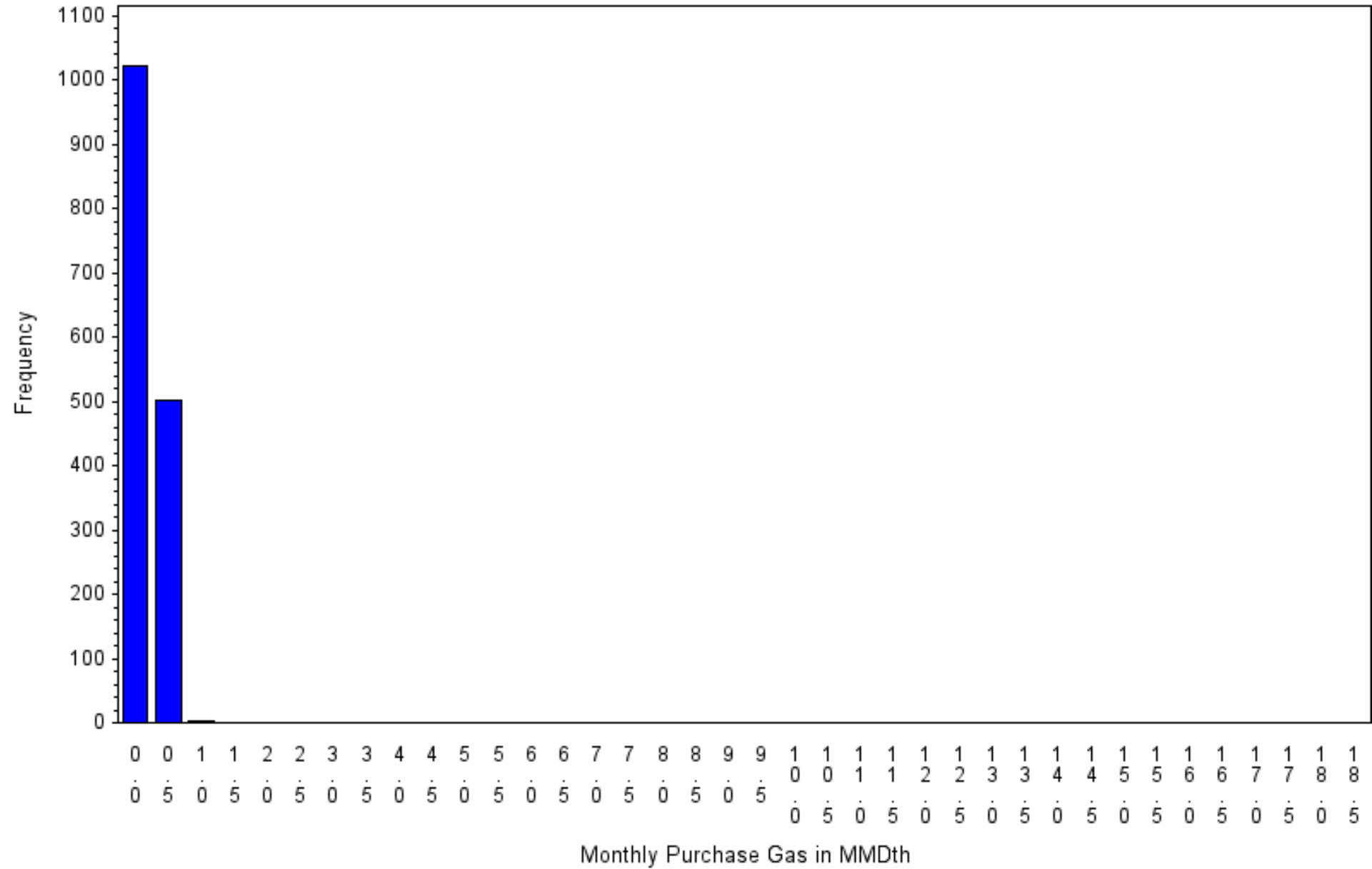
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=9

Exhibit 10.56



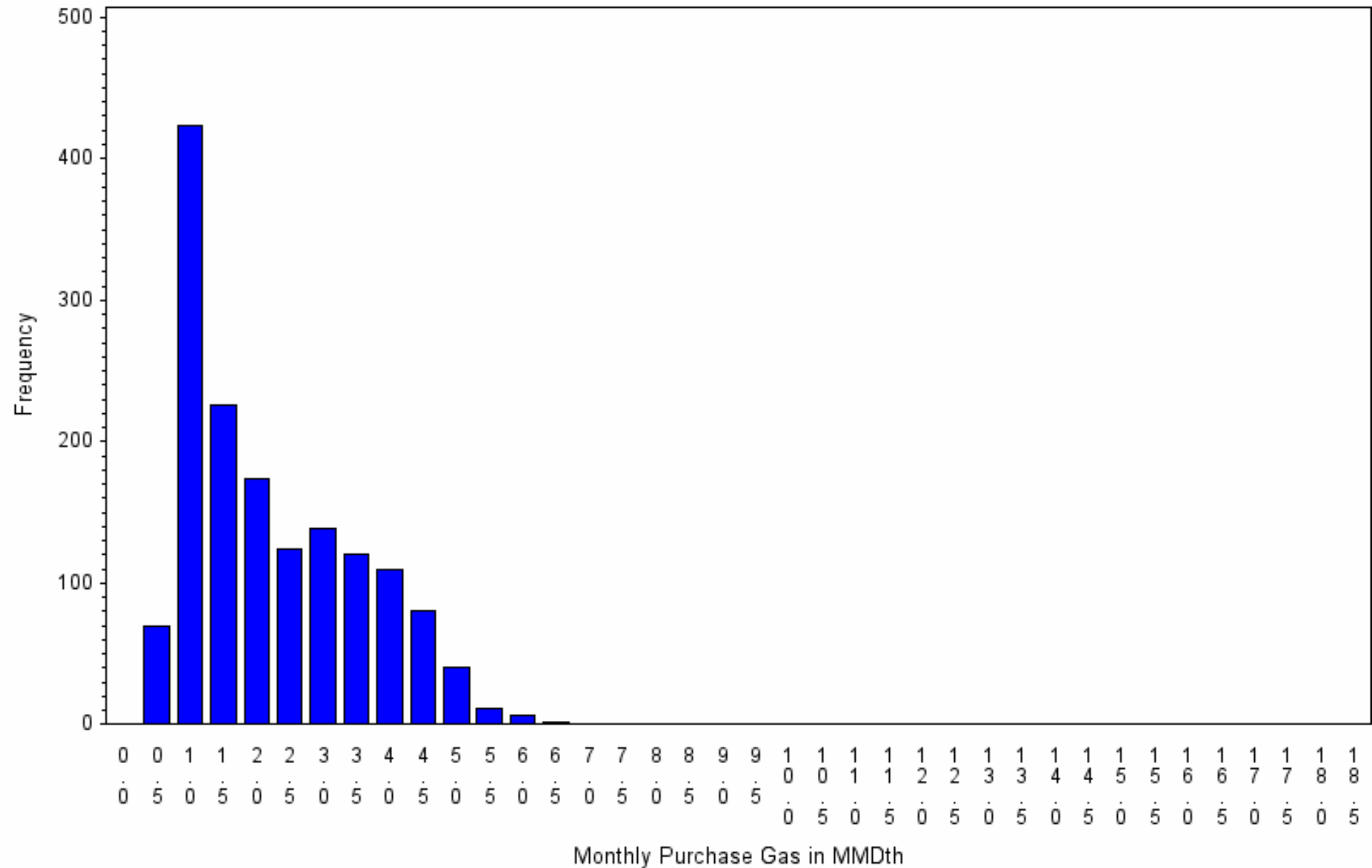
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=10

Exhibit 10.57



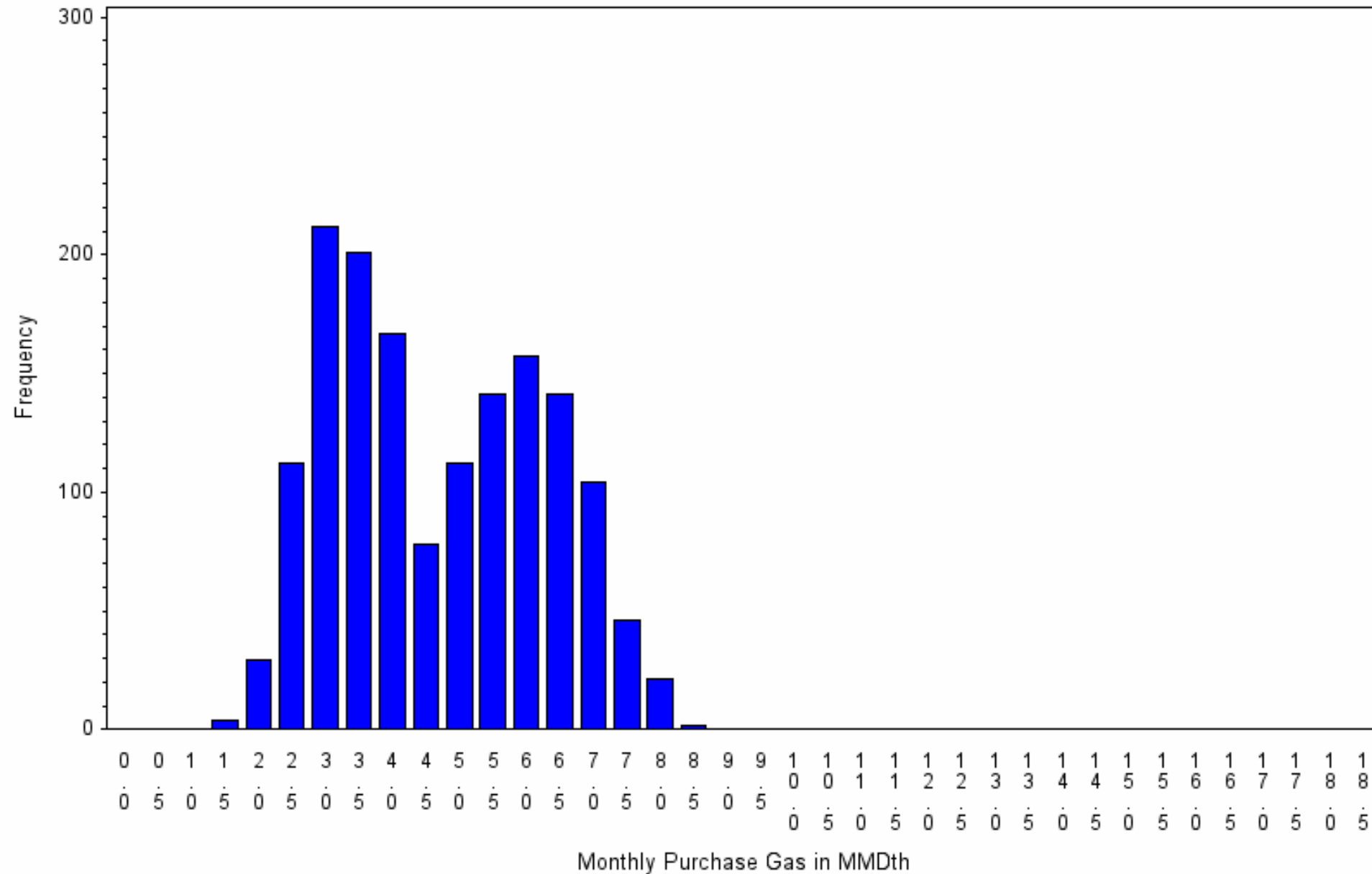
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=11

Exhibit 10.58



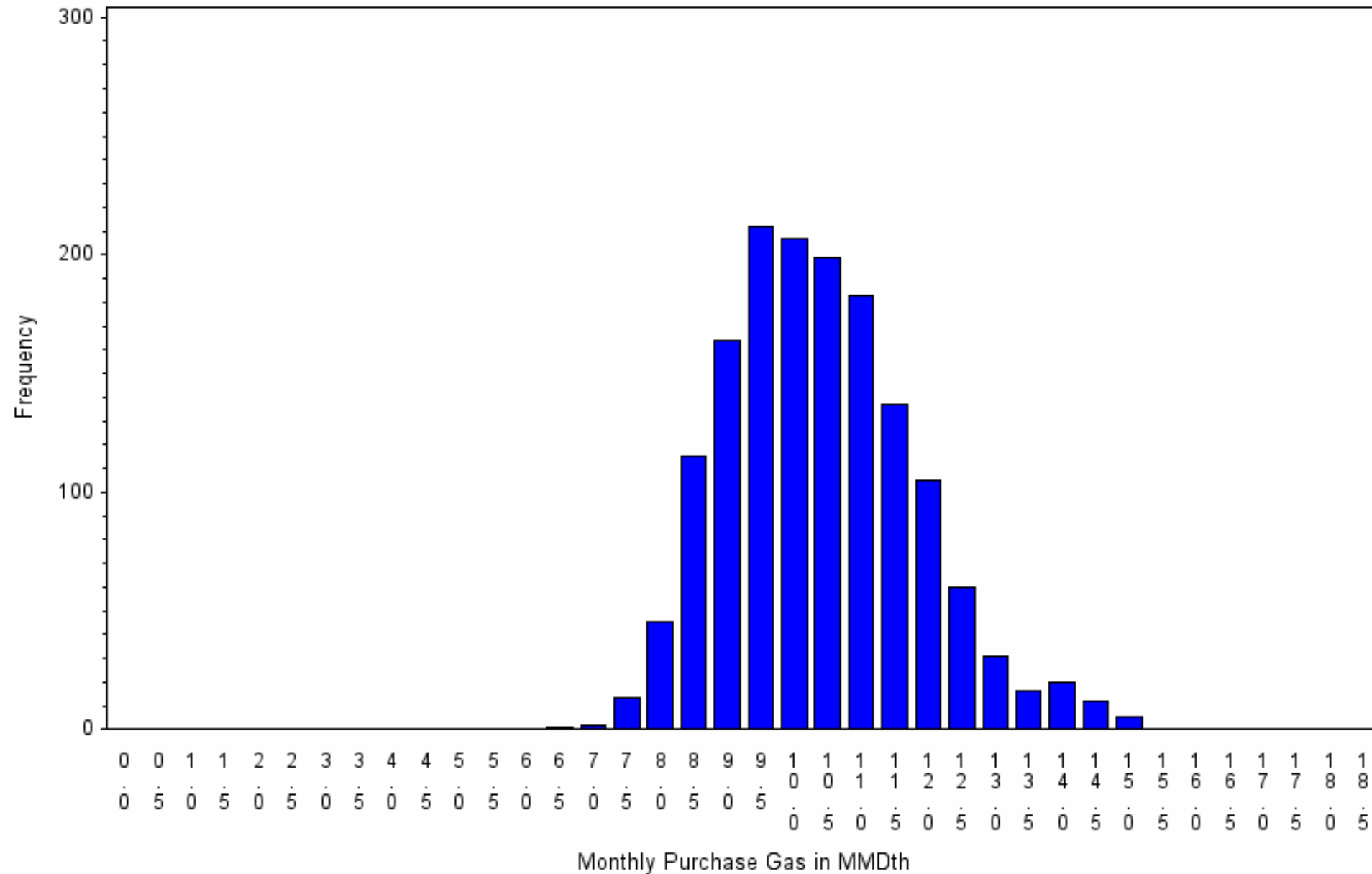
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=12

Exhibit 10.59



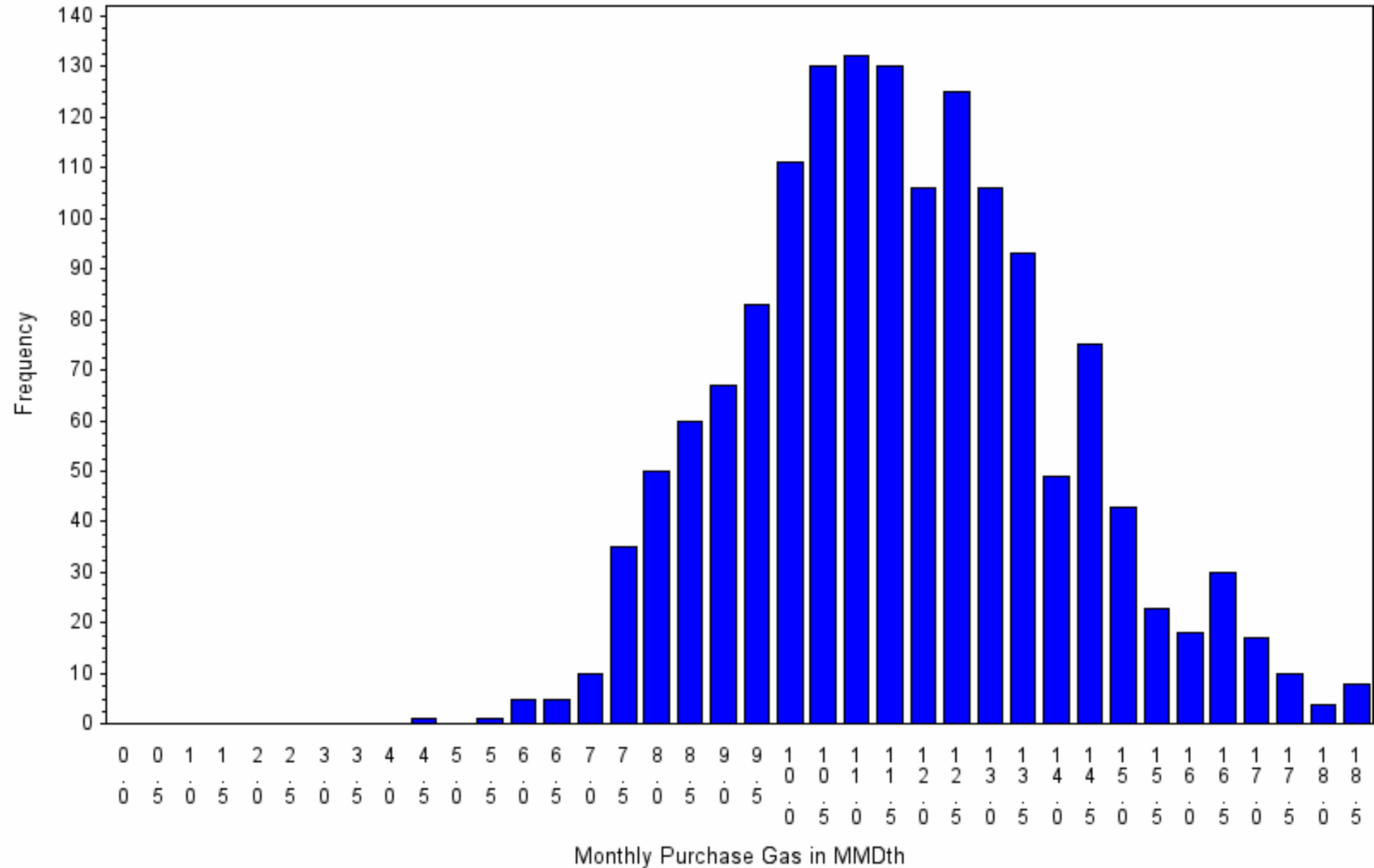
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=1

Exhibit 10.60



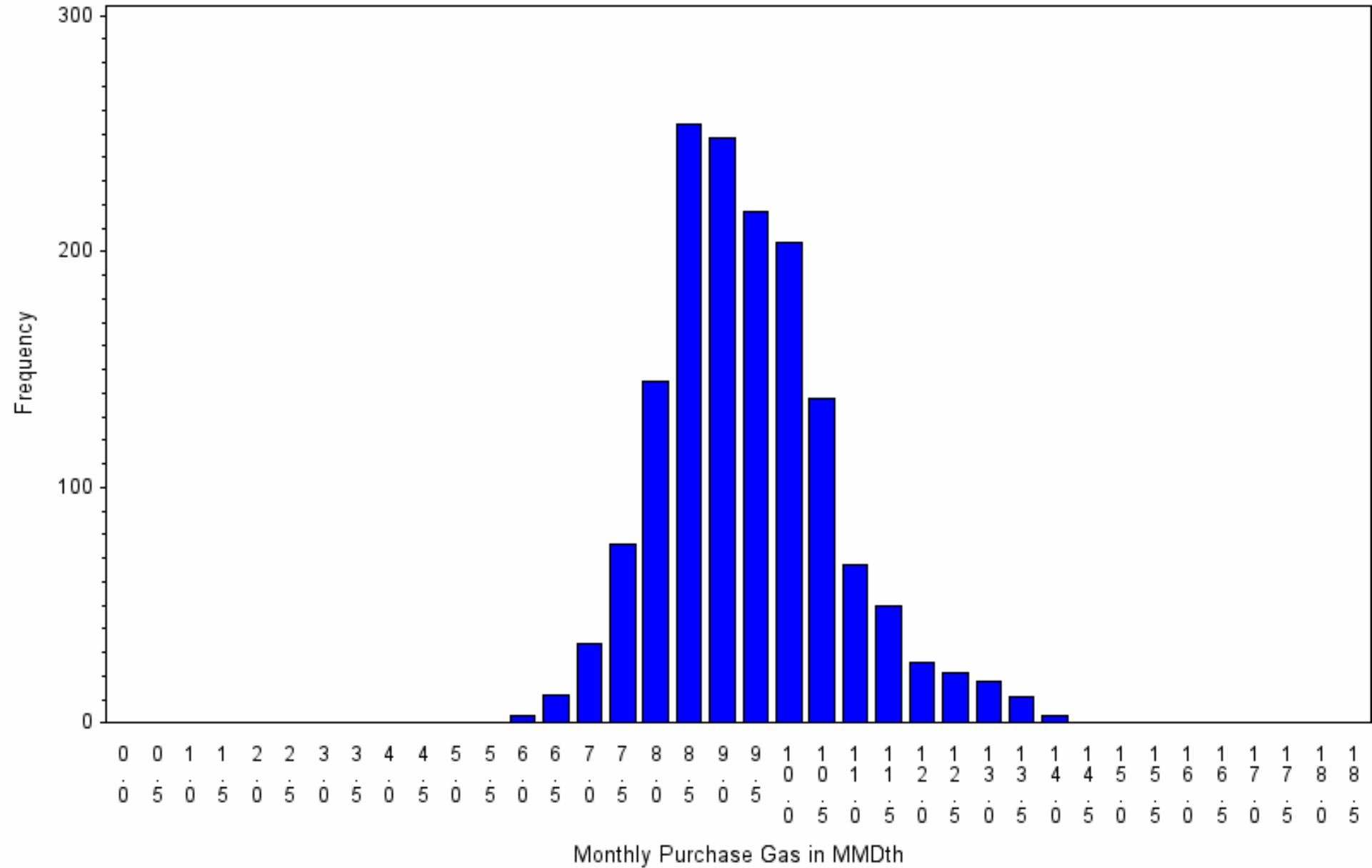
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=2

Exhibit 10.61



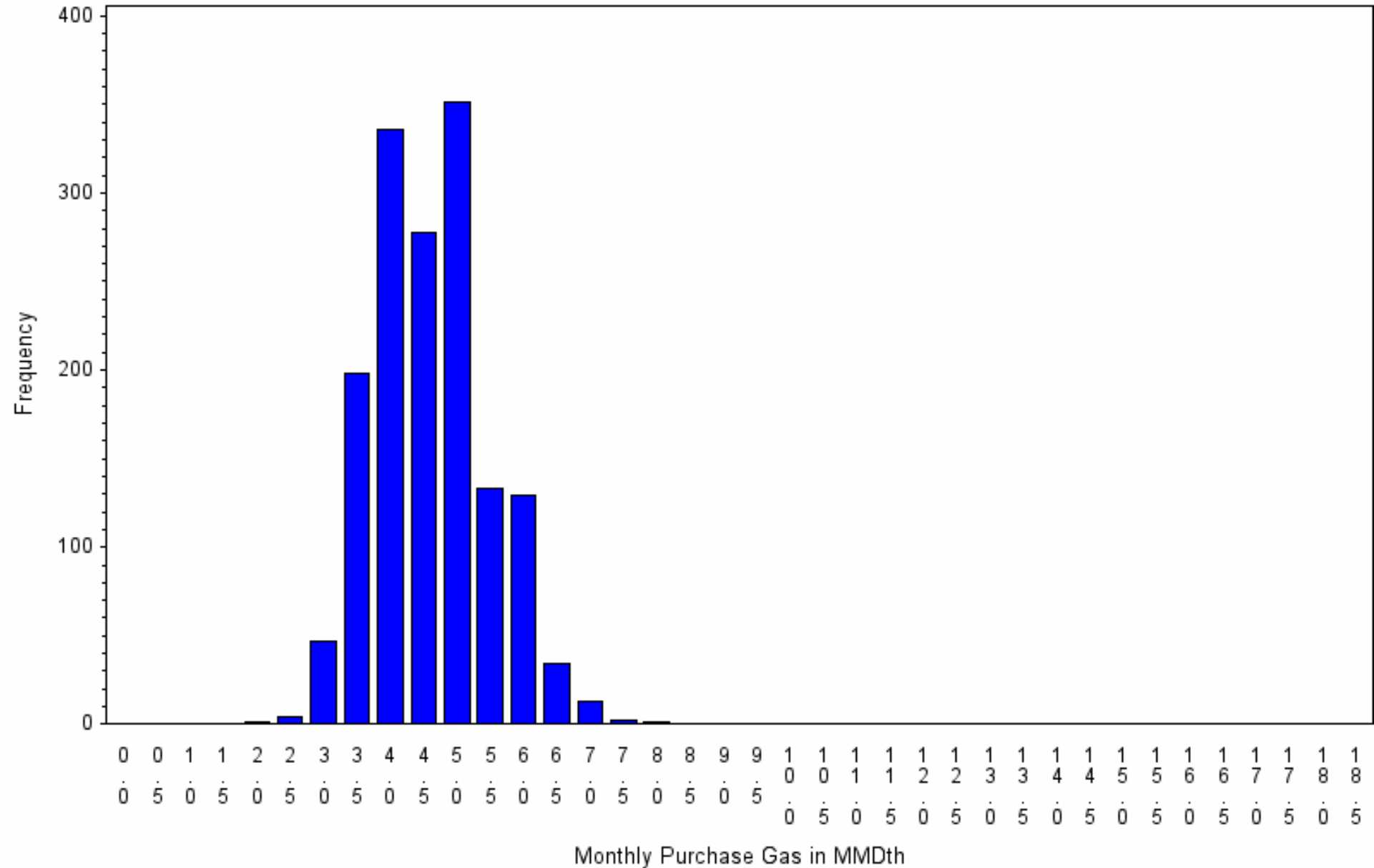
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=3

Exhibit 10.62



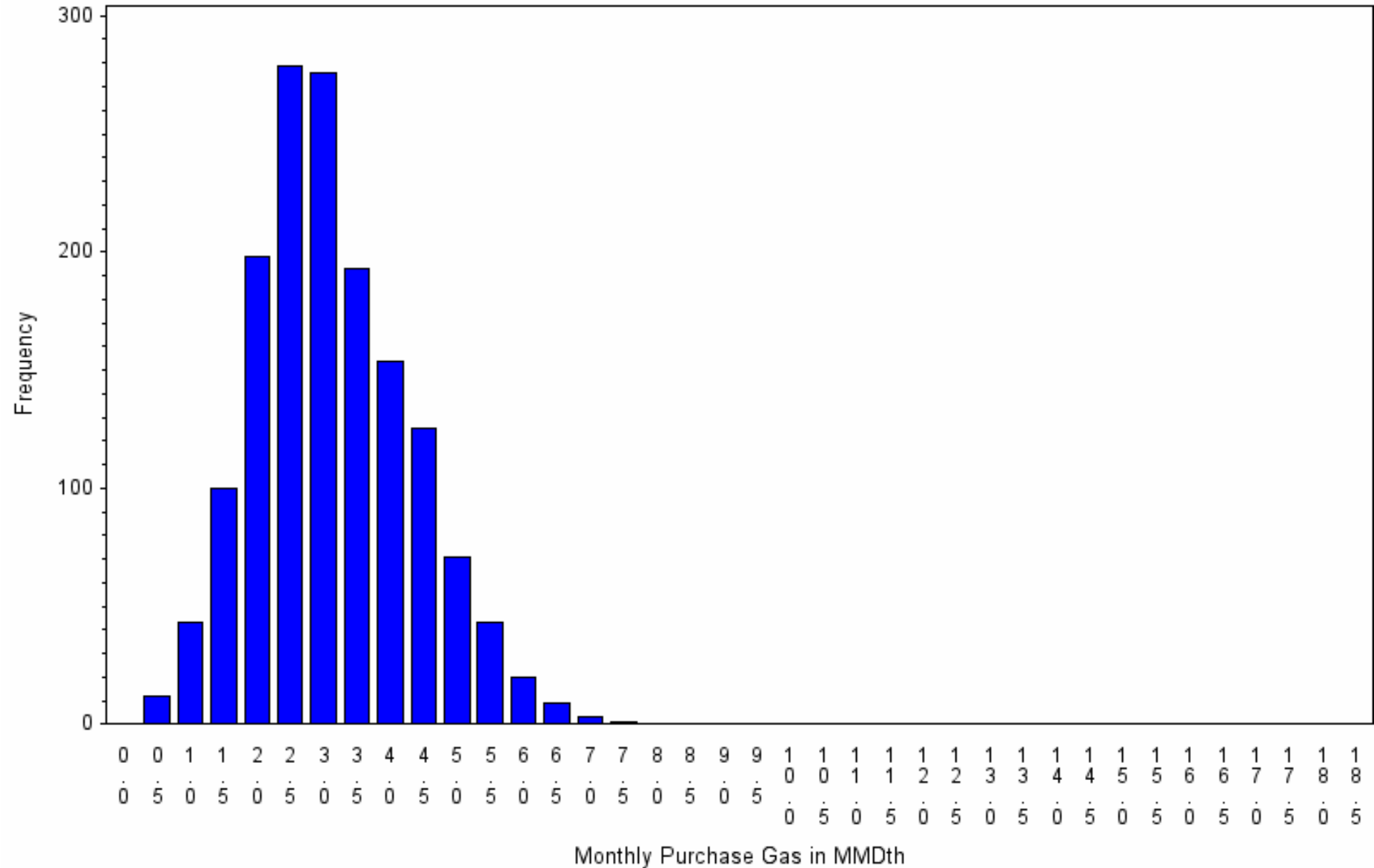
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=4

Exhibit 10.63



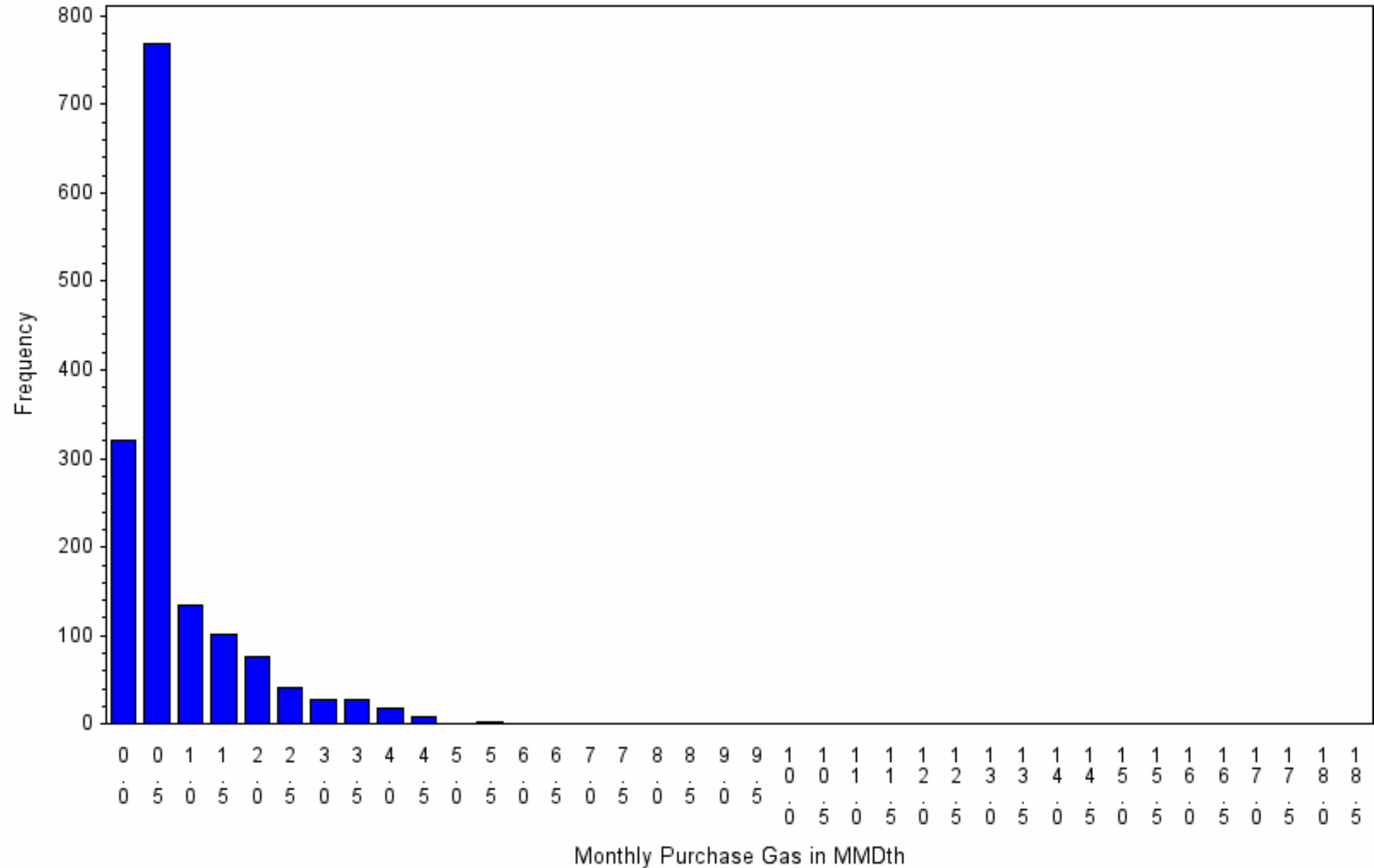
Monthly Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=5

Exhibit 10.64

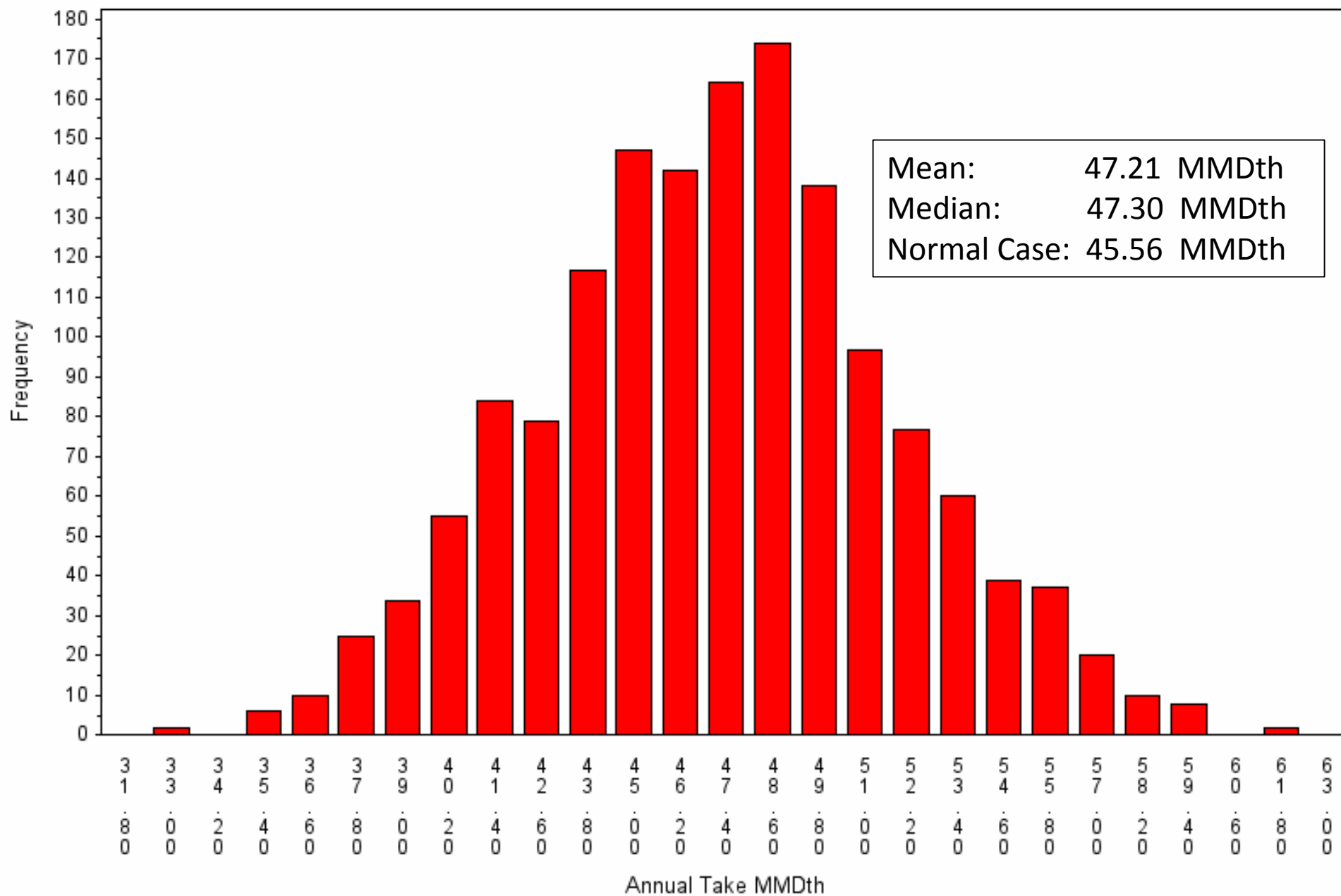


Annual Gas Purchase Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

Exhibit 10.65



Monthly Purchase Gas Distribution in Mdth

2017 Plan Year

Scenario 1001 : 1527 Draws

year	month	mean	max	p95	p90	med	p10	p5	min
2017	6	0.12	2.00	0.44	0.44	0.00	0.00	0.00	0.00
2017	7	0.05	0.58	0.44	0.29	0.00	0.00	0.00	0.00
2017	8	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
2017	9	0.15	0.82	0.40	0.36	0.13	0.00	0.00	0.00
2017	10	2.23	6.39	4.59	4.19	1.86	0.86	0.78	0.53
2017	11	4.69	8.61	7.21	6.84	4.55	2.77	2.46	1.56
2017	12	10.38	15.20	12.81	12.18	10.26	8.68	8.33	6.35
2018	1	11.69	23.63	16.09	14.77	11.47	8.65	7.95	4.26
2018	2	9.38	13.98	11.83	11.05	9.24	7.84	7.44	6.08
2018	3	4.62	8.07	6.12	5.83	4.59	3.58	3.38	2.01
2018	4	3.12	7.64	5.25	4.70	2.97	1.74	1.42	0.51
2018	5	0.78	5.34	2.85	2.04	0.45	0.00	0.00	0.00

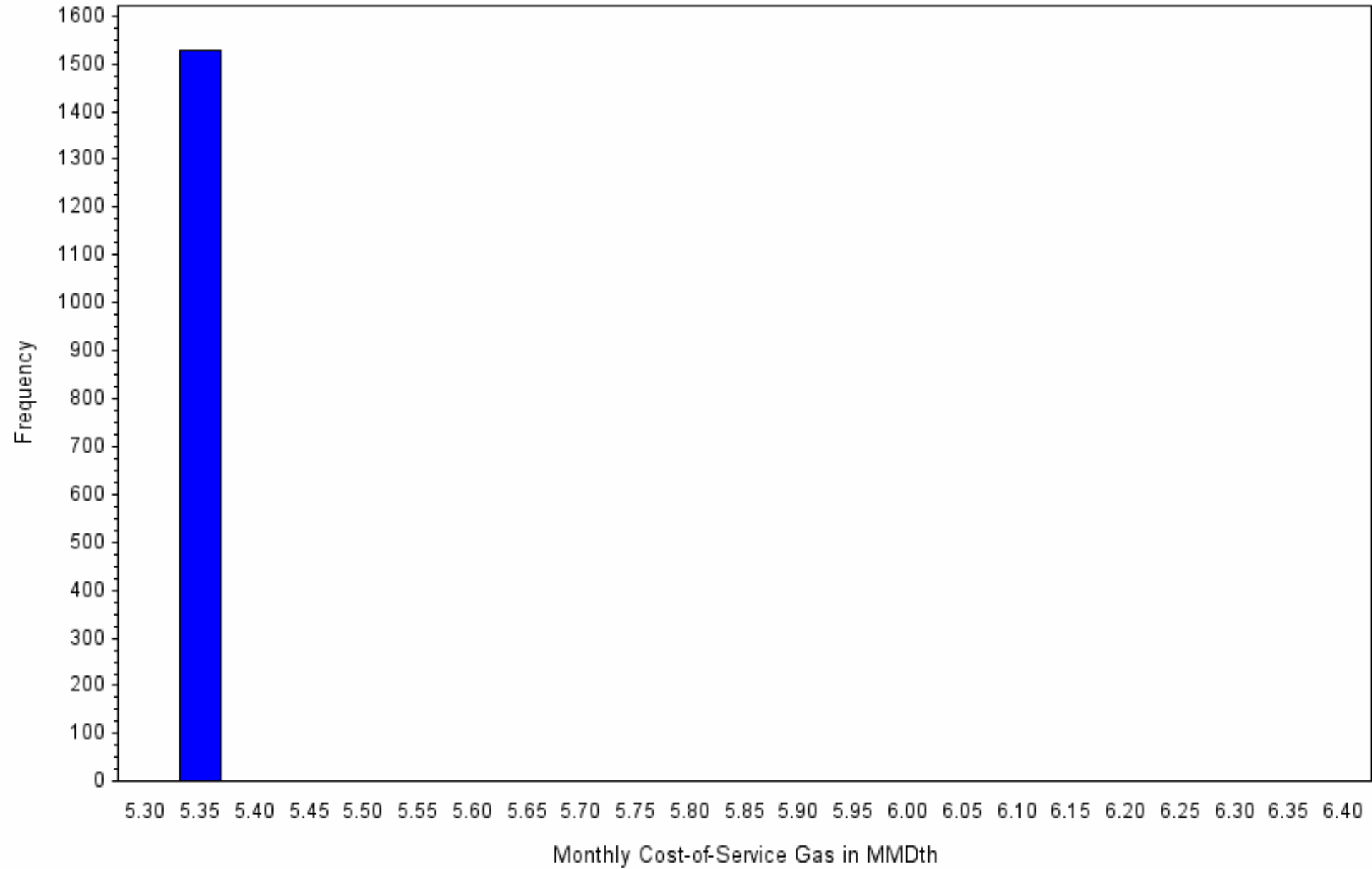
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=6

Exhibit 10.67



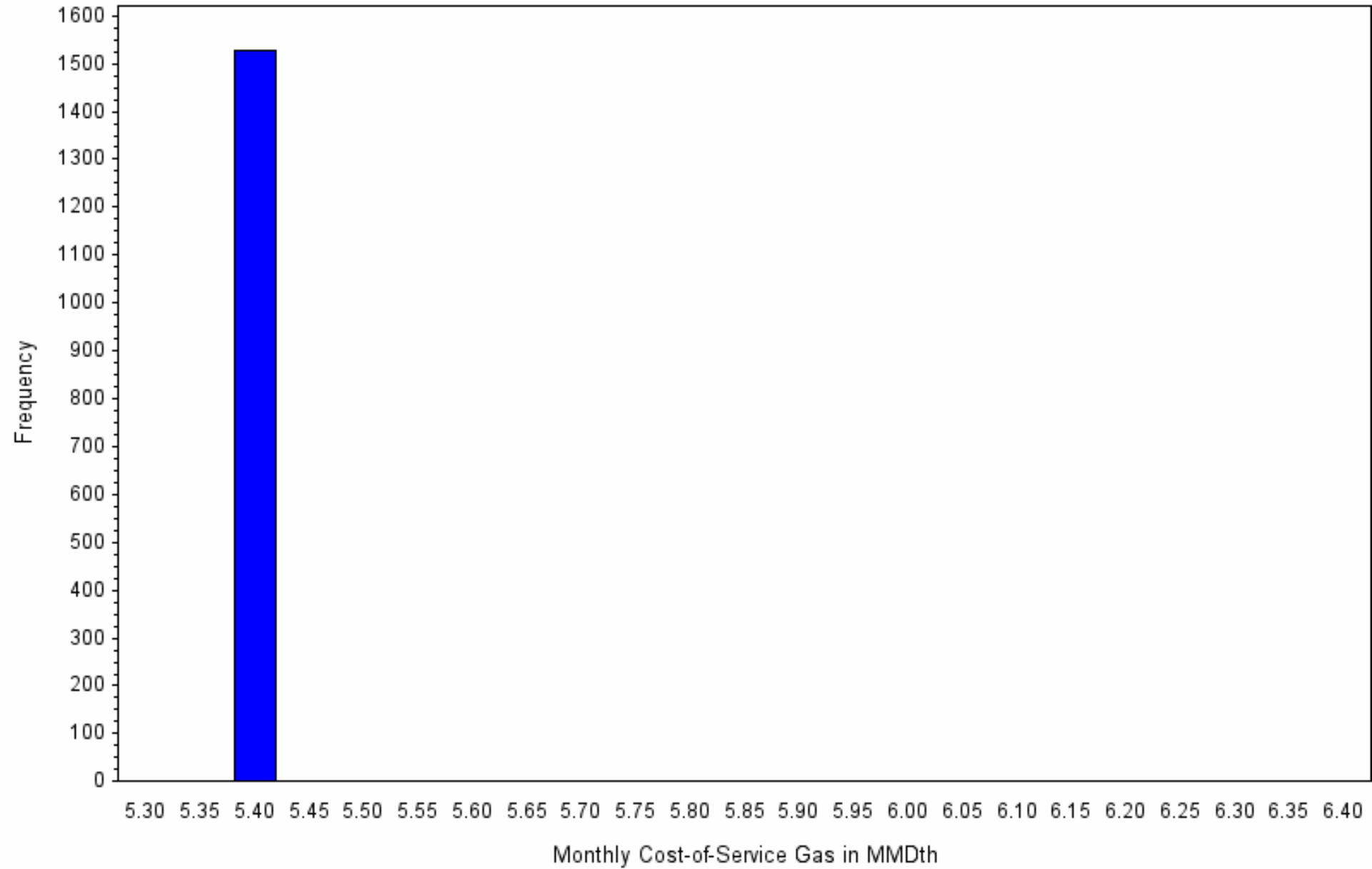
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=7

Exhibit 10.68



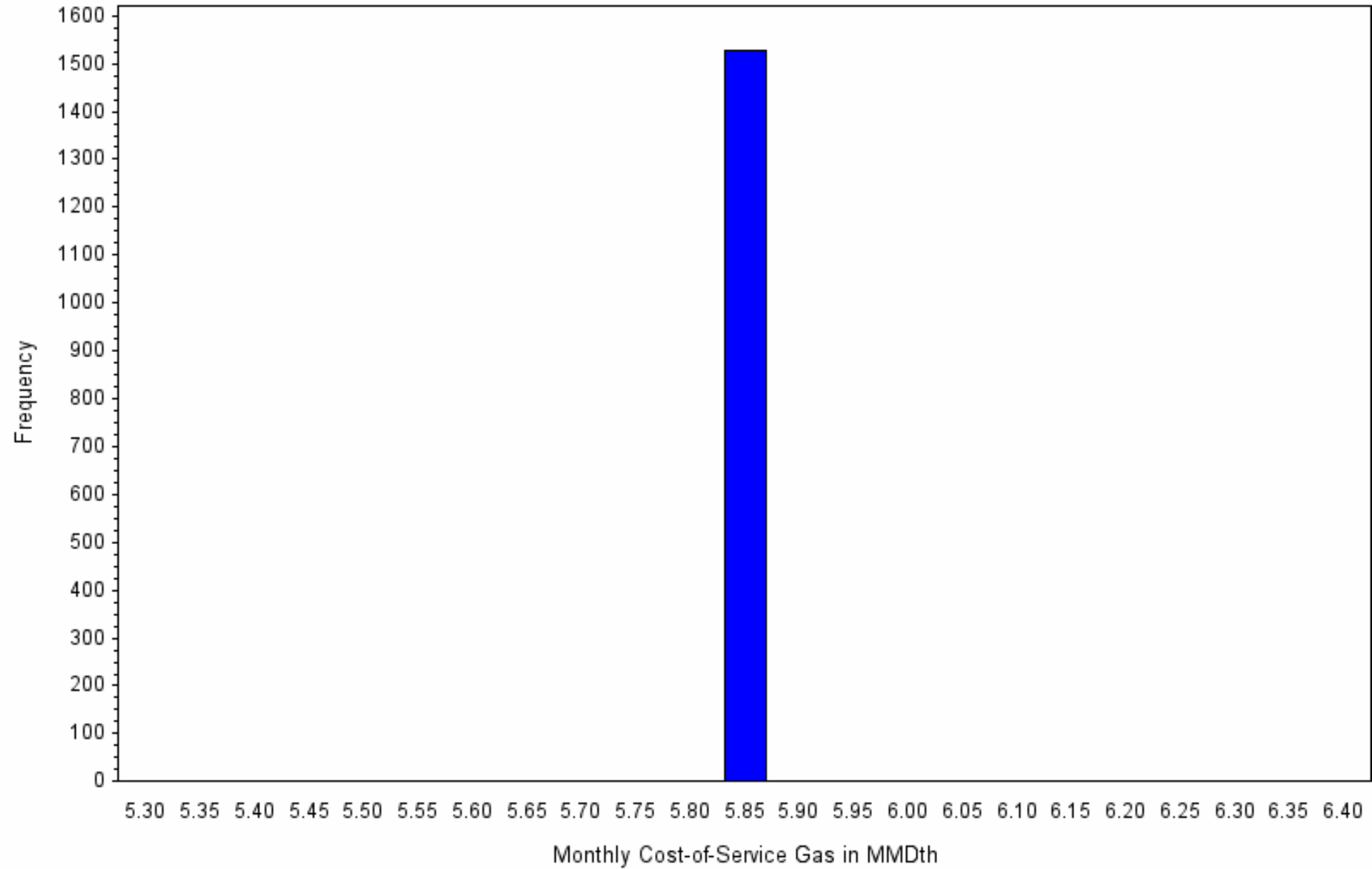
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=8

Exhibit 10.69



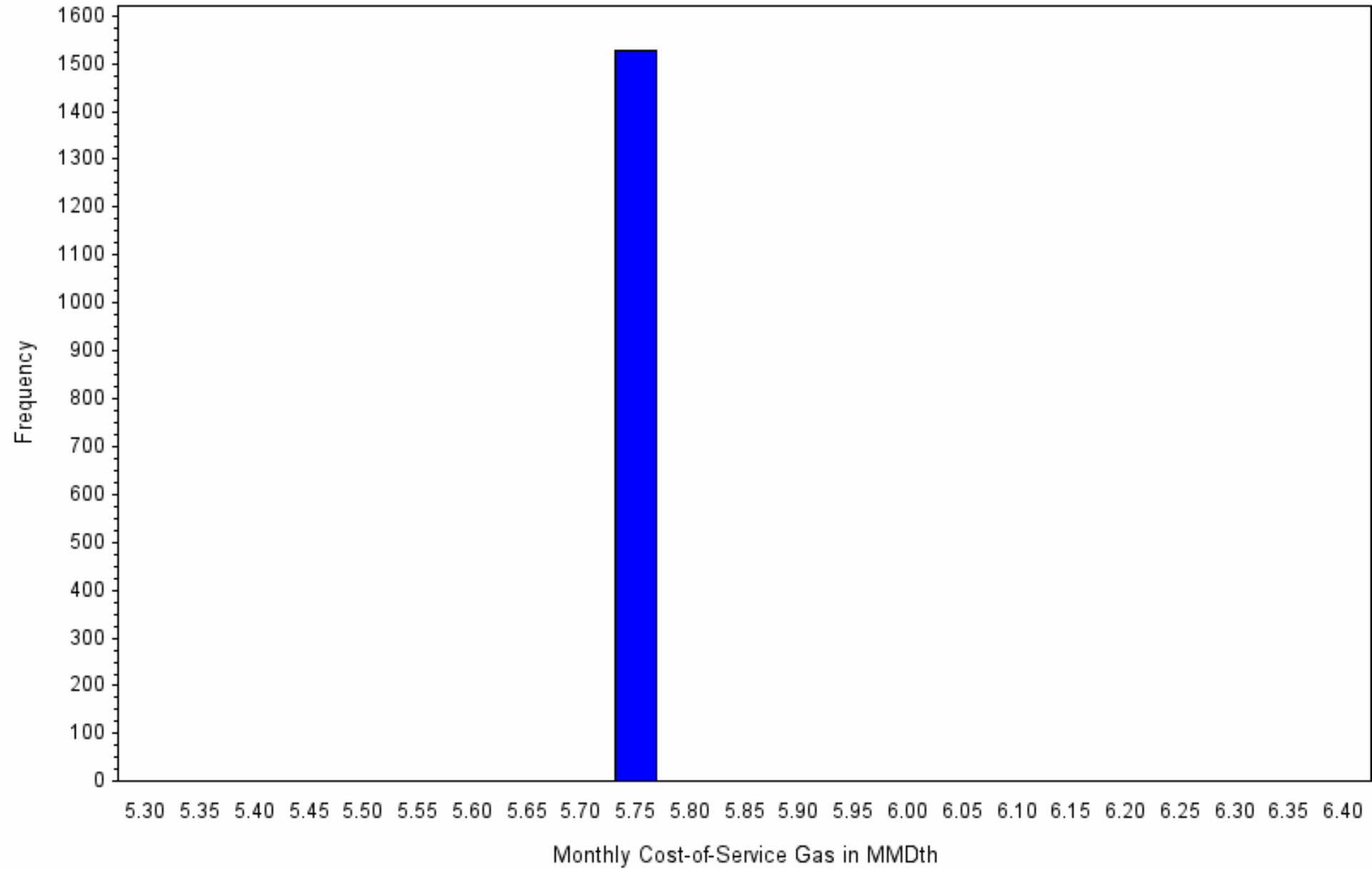
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=9

Exhibit 10.70



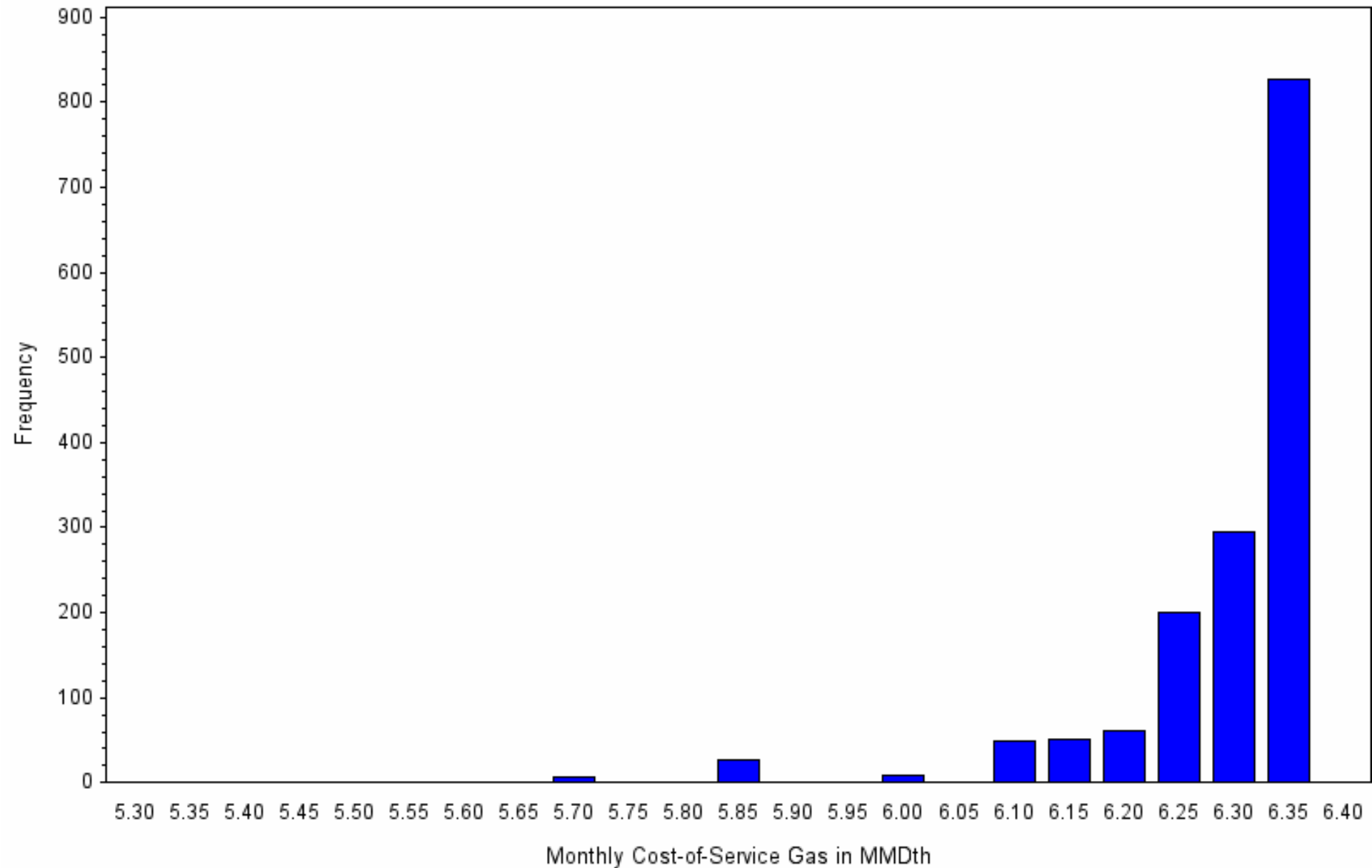
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=10

Exhibit 10.71



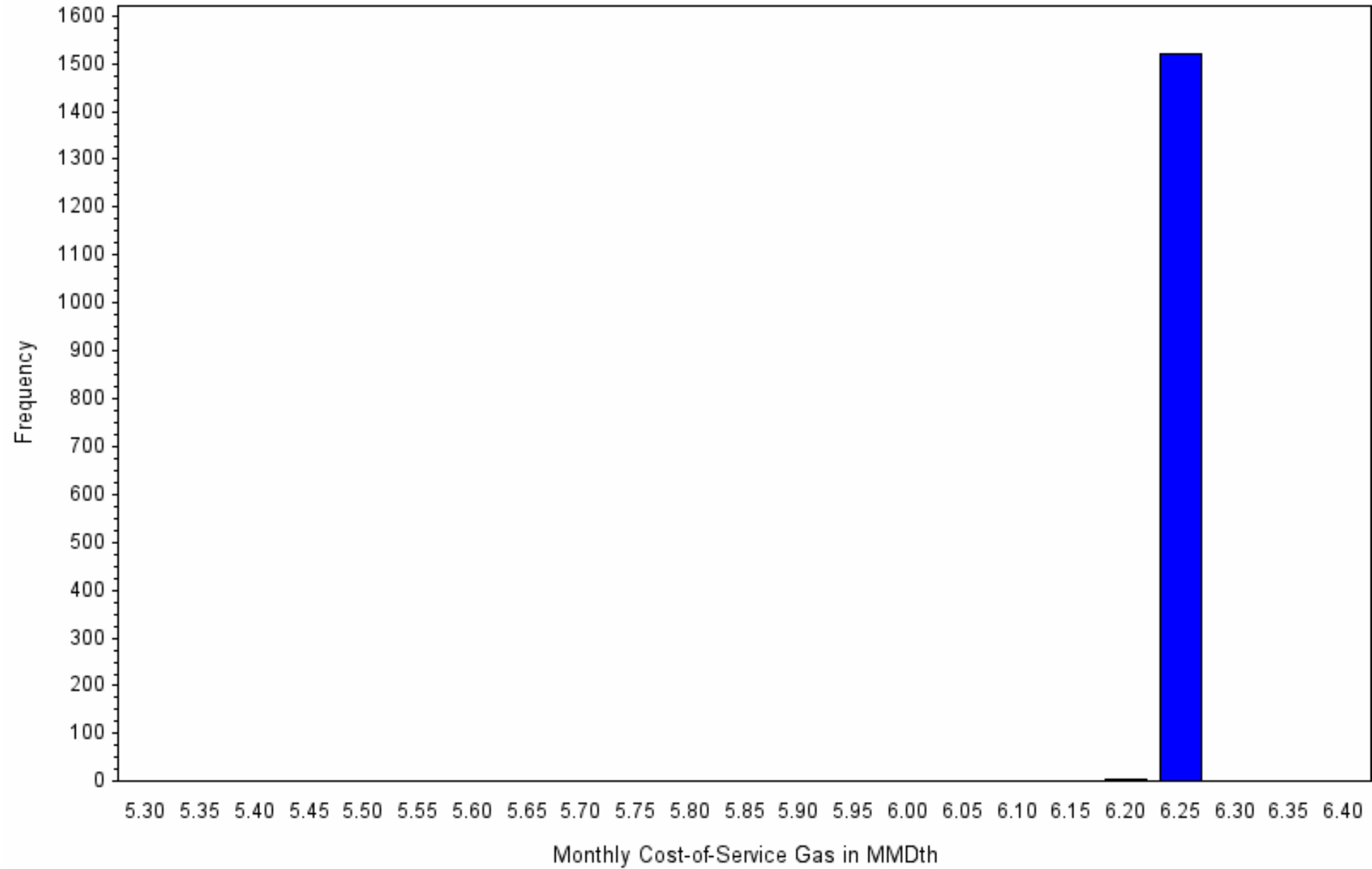
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=11

Exhibit 10.72



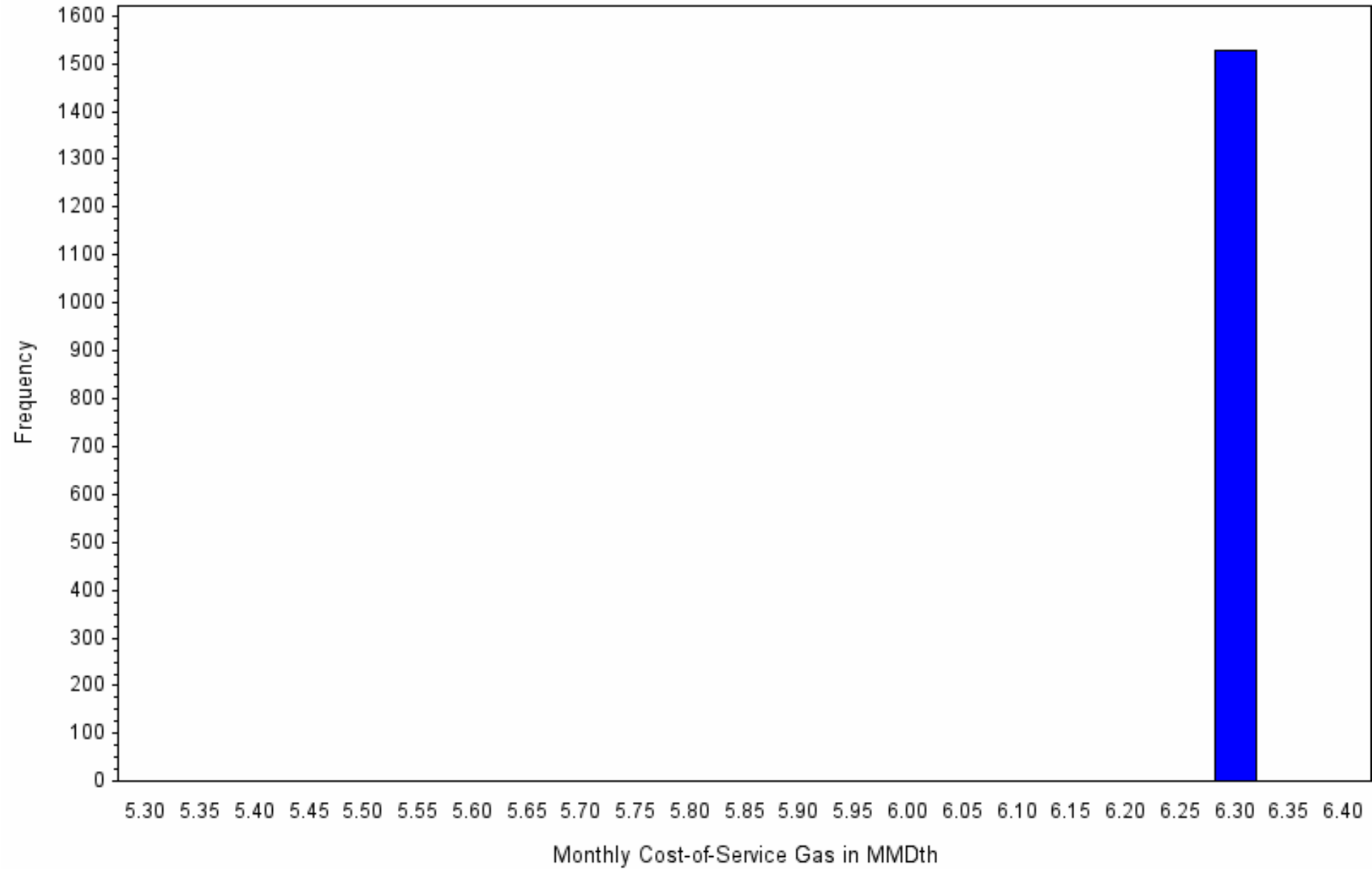
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2017 month=12

Exhibit 10.73



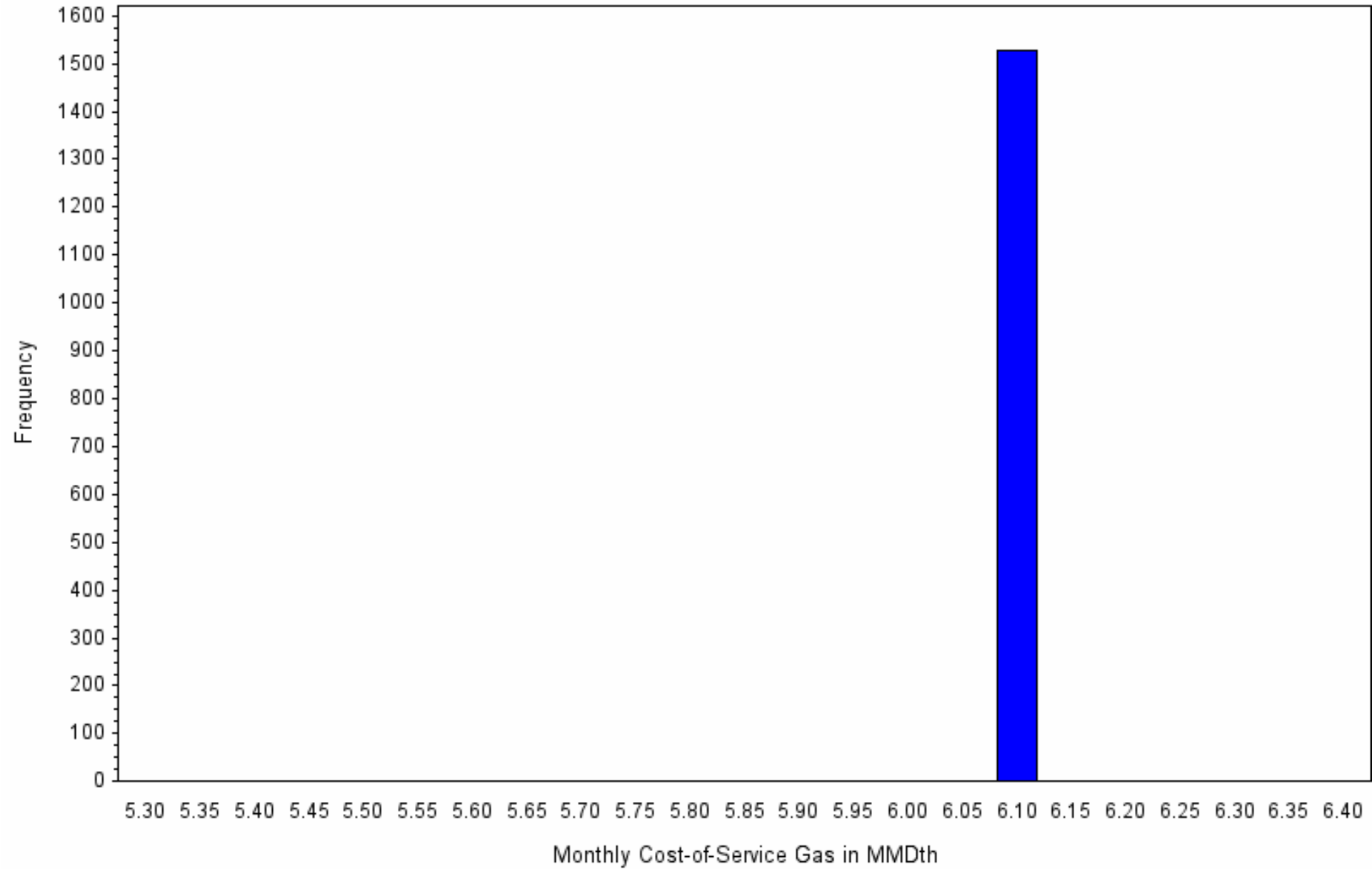
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=1

Exhibit 10.74



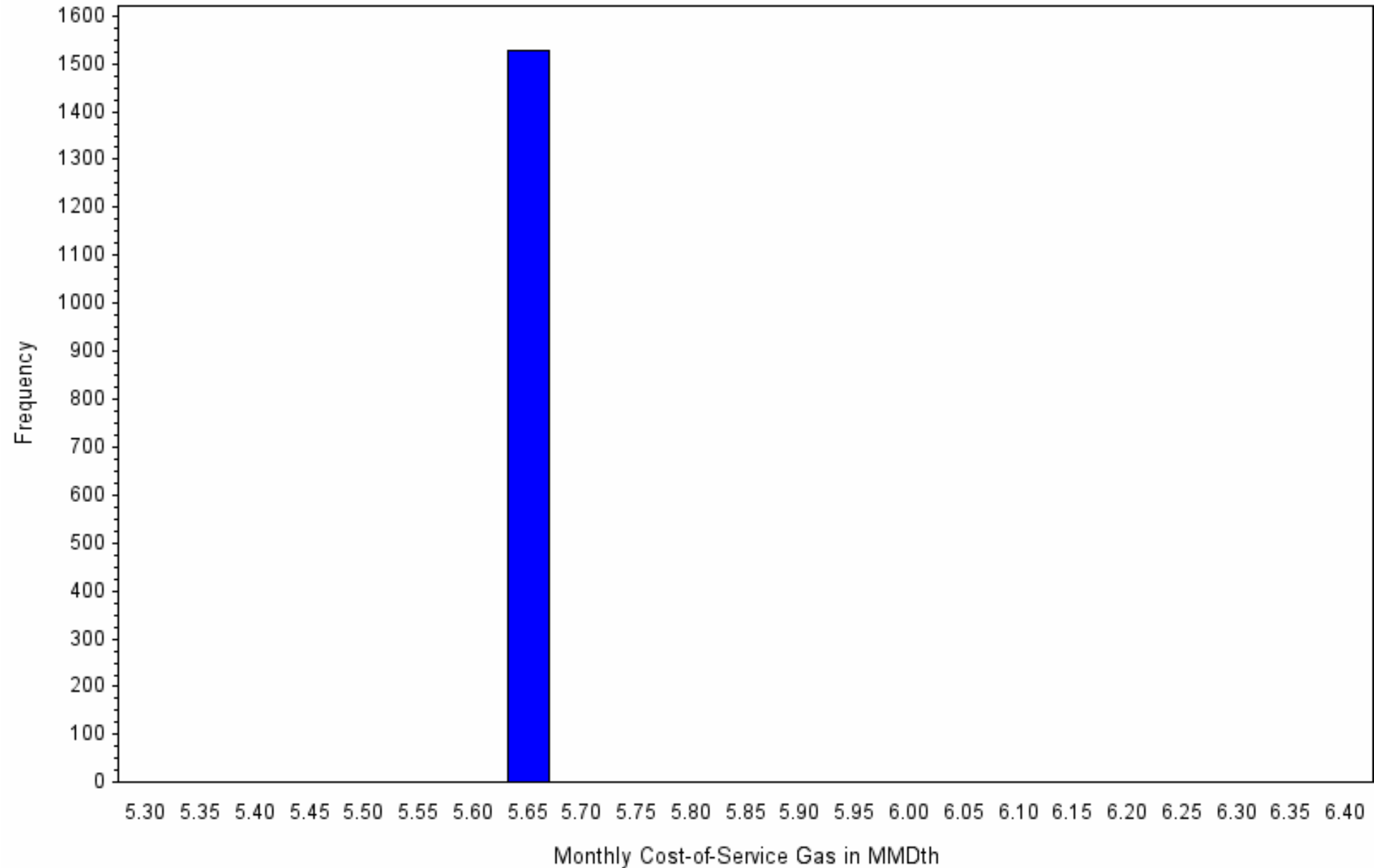
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=2

Exhibit 10.75



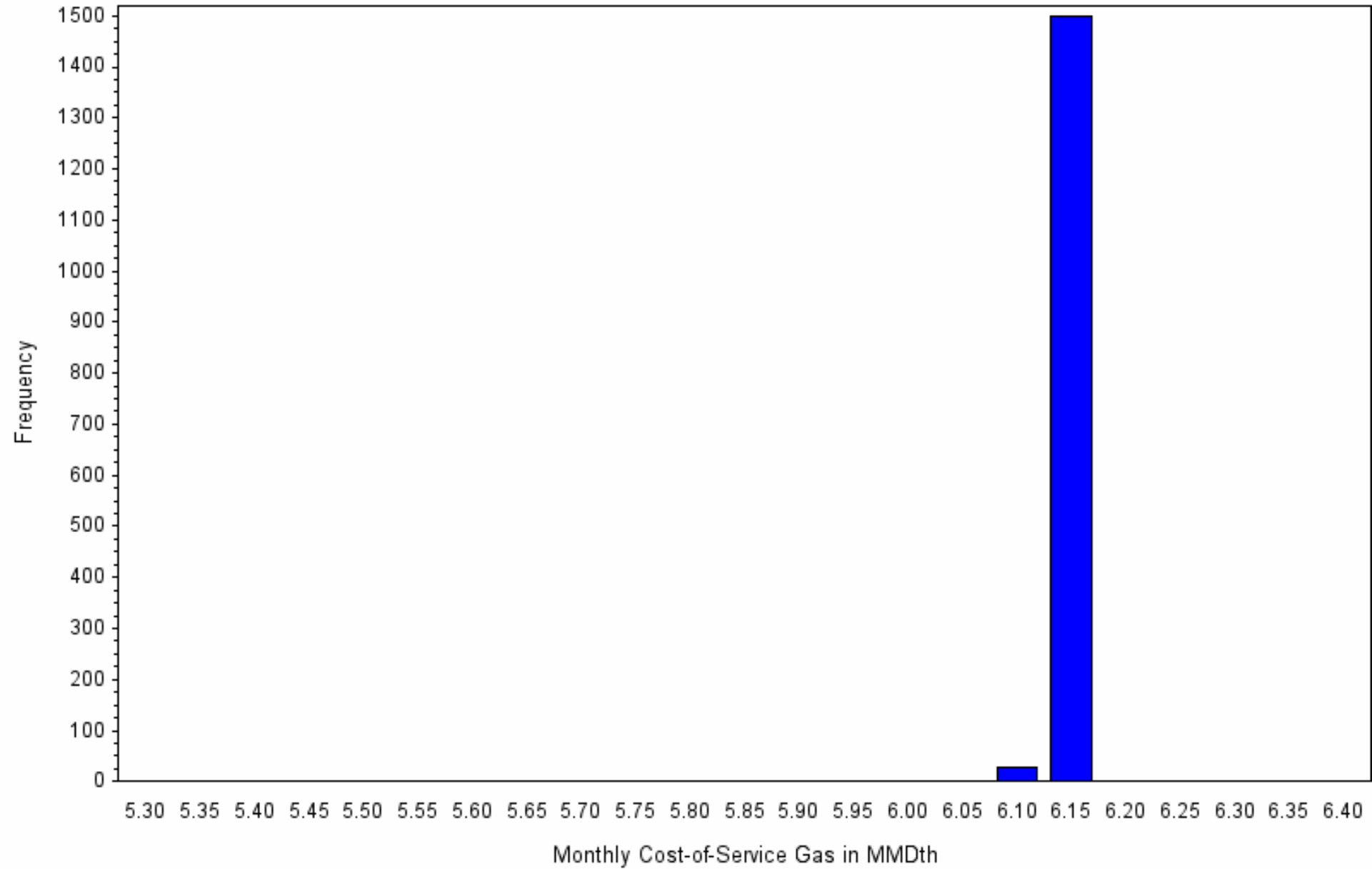
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=3

Exhibit 10.76



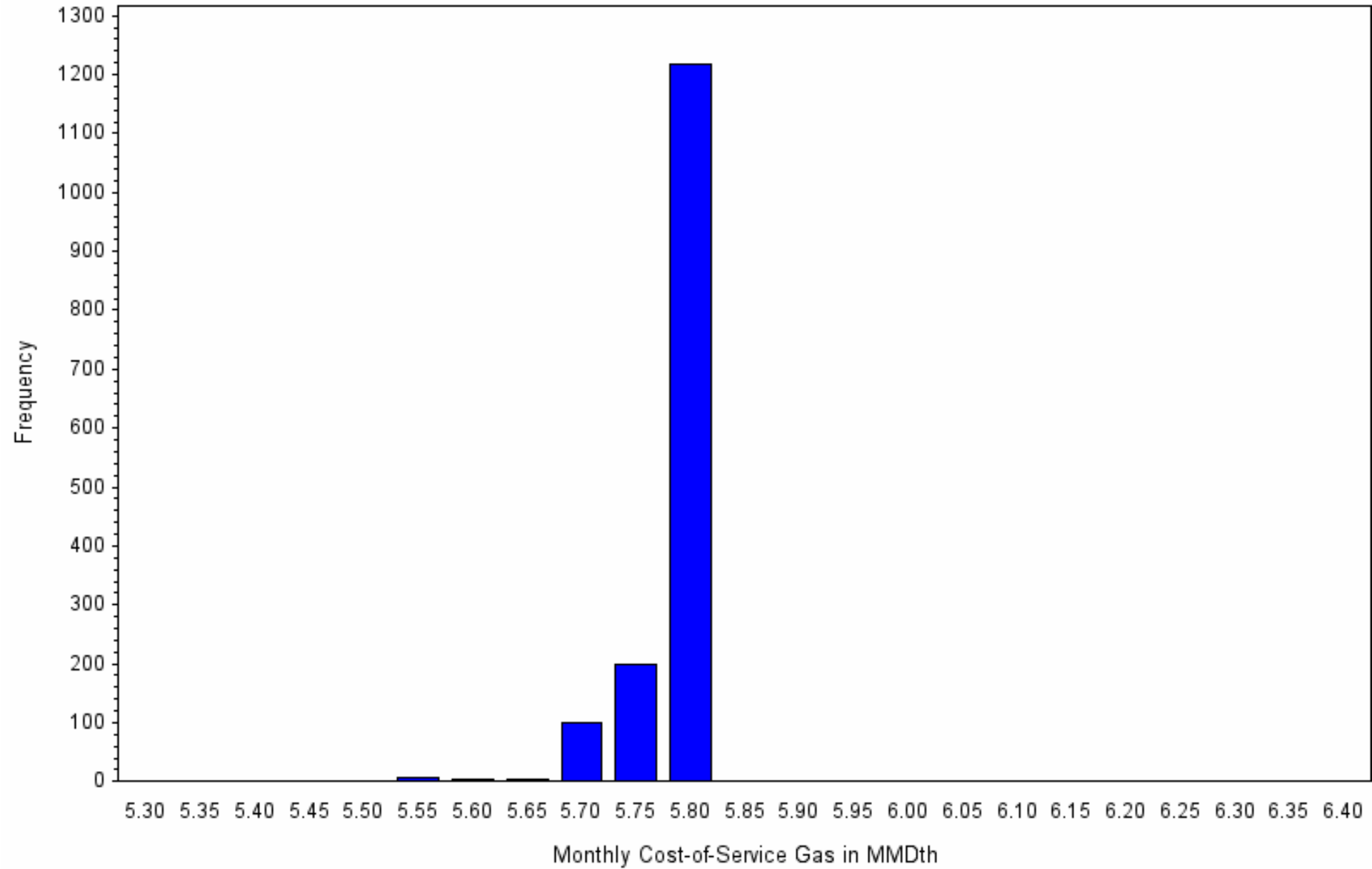
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=4

Exhibit 10.77



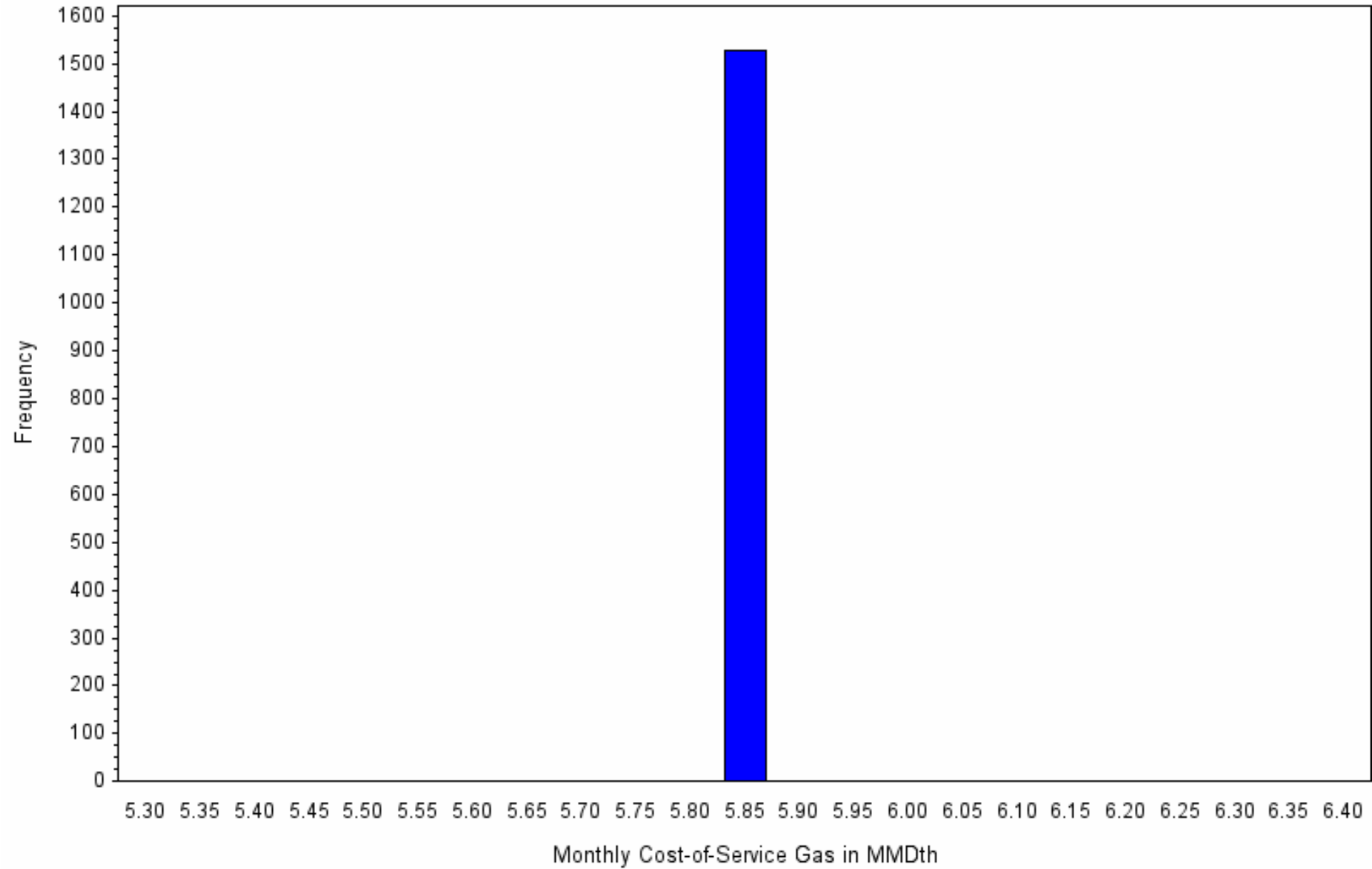
Monthly Cost-of-Service Gas Distribution

2017 Plan Year

Scenario 1001 : 1527 Draws

year=2018 month=5

Exhibit 10.78

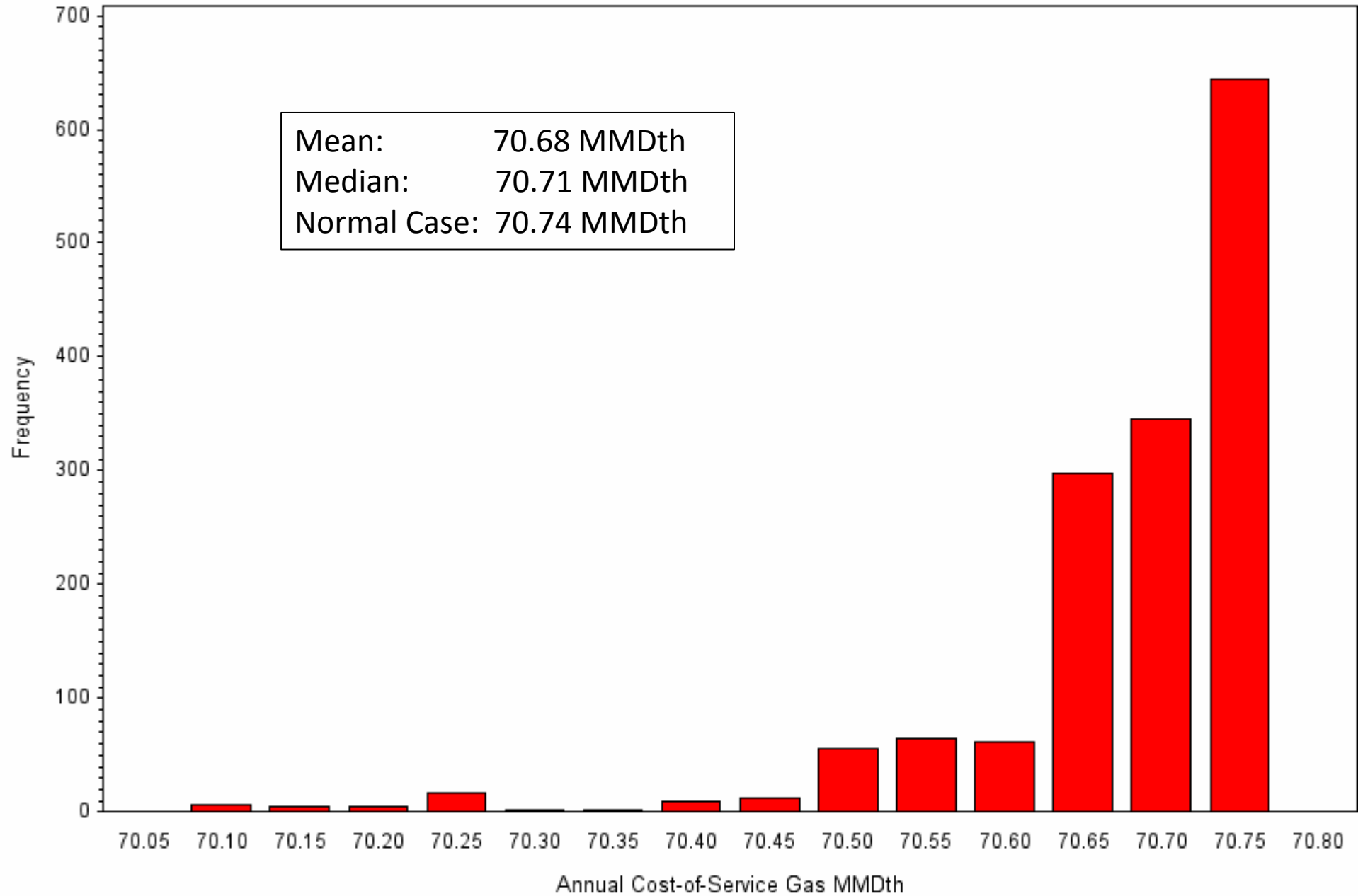


Annual Production Distribution : Cost of Service Gas

2017 Plan Year

Scenario 1001 : 1527 Draws

Exhibit 10.79

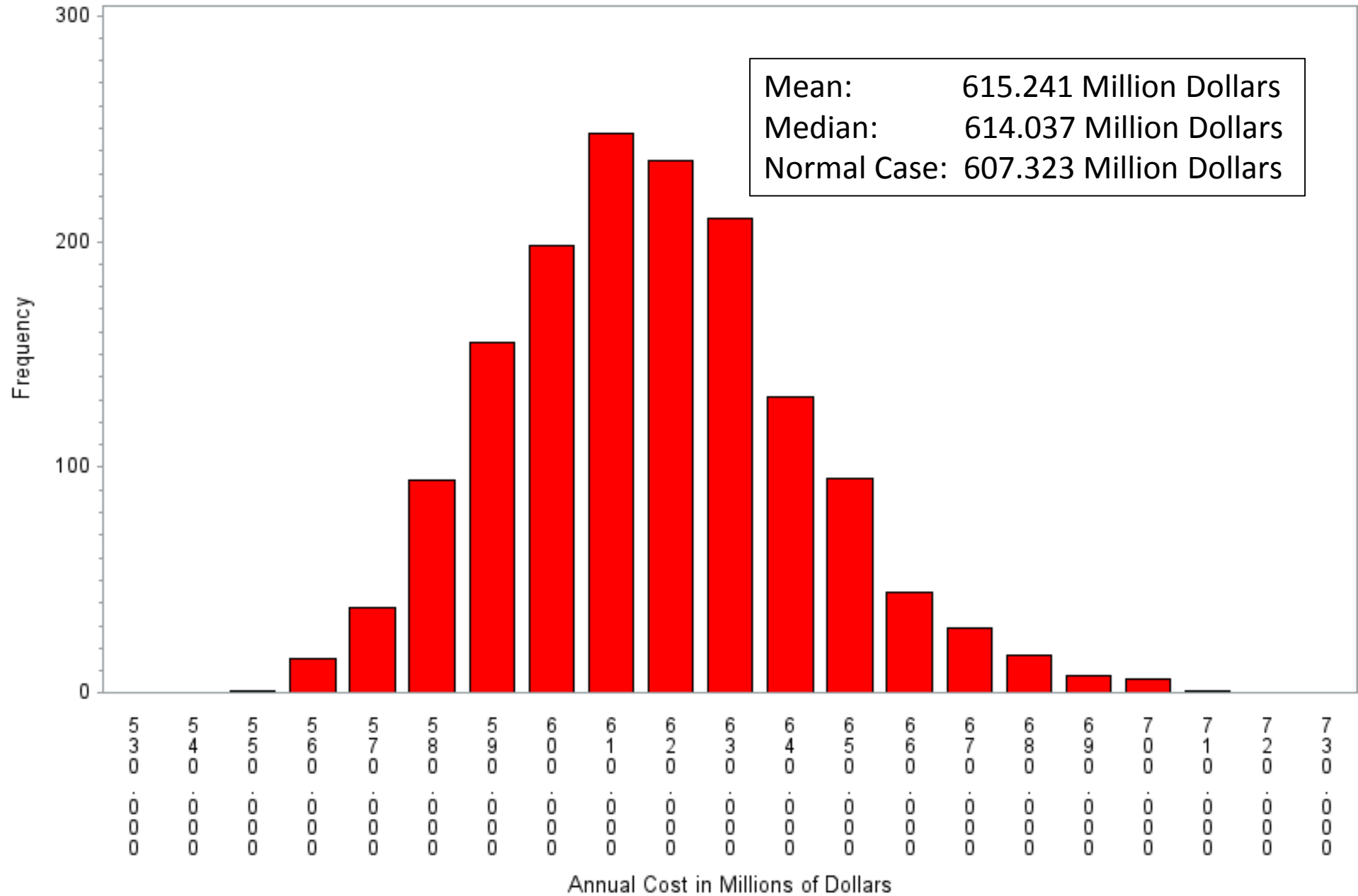


First Year System Cost Distribution

Plan Year 2017

Scenario 1001 : 1527 Draws

Exhibit 10.81

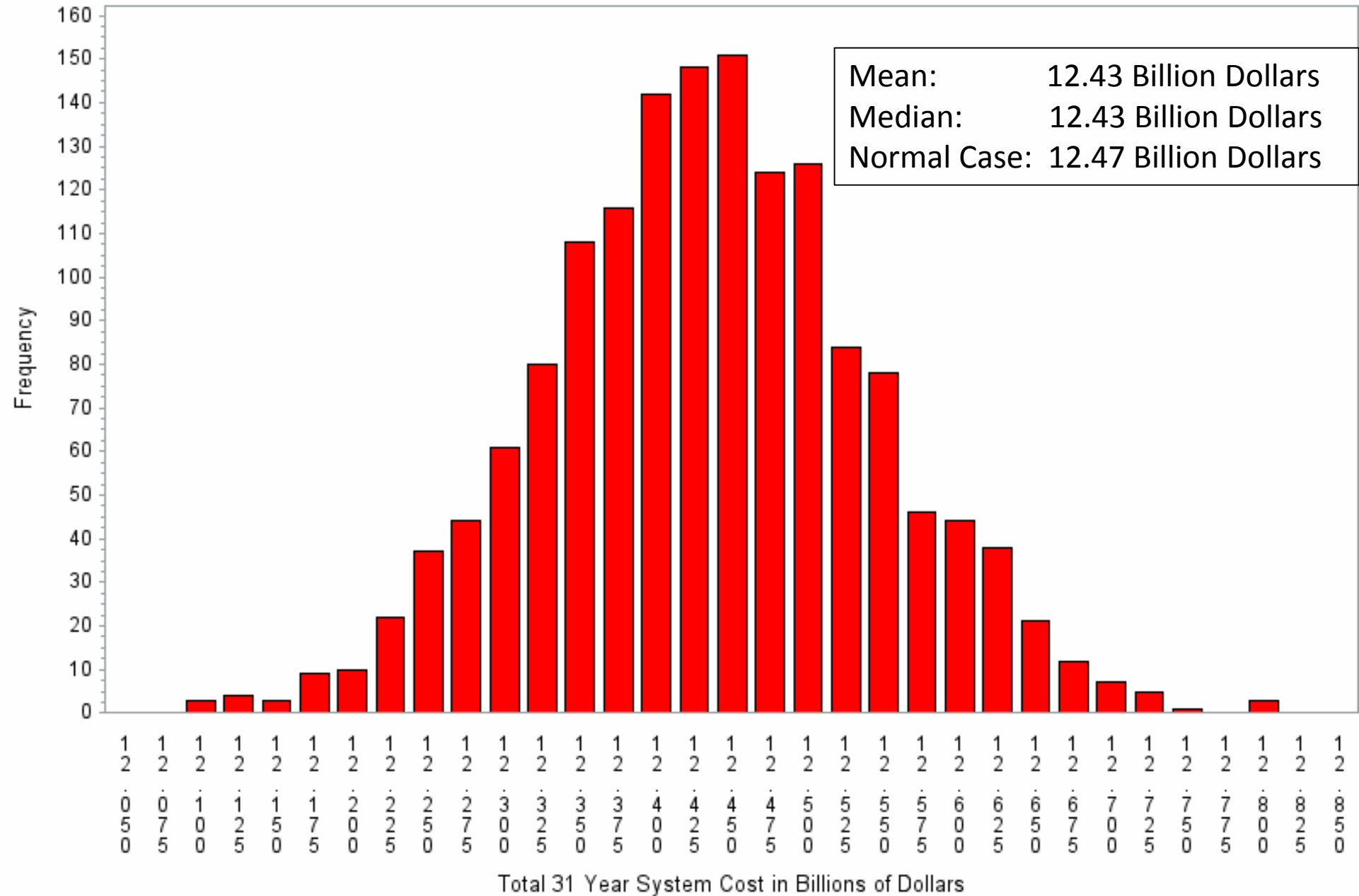


Total 31 Year System Cost Distribution

2017 - 2048

Scenario 1001

Exhibit 10.82



Required v. Supply

Area	Class	Mnth												Total
		Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	
Ut/Id	FS_COM	167.190	151.210	150.360	172.160	193.860	221.790	305.670	360.940	312.470	288.210	271.100	212.420	2,807.380
Ut/Id	FS_IND	89.430	79.150	79.260	82.940	89.910	88.760	111.910	123.980	111.070	115.490	112.030	95.740	1,179.680
Ut/Id	GS_COM	775.910	627.730	619.290	677.060	1,830.690	3,192.940	5,017.100	5,169.690	4,148.130	3,255.500	2,133.980	1,298.870	28,746.880
Ut/Id	GS_RES	1,862.330	1,506.930	1,485.940	1,618.820	4,390.400	7,661.820	12,060.280	12,711.120	10,200.430	8,004.470	5,240.370	3,187.620	69,930.550
Ut/Id	IS_COM	6.670	5.830	5.780	7.420	9.110	11.680	21.500	31.740	28.450	18.060	12.440	10.530	169.210
Ut/Id	IS_IND	20.450	20.170	20.150	21.020	37.820	33.670	33.760	17.300	20.820	21.900	32.980	39.920	319.960
Ut Geo	GS_COM	42.190	33.920	33.490	37.330	92.510	158.470	247.280	255.270	206.320	163.400	109.300	68.090	1,447.560
Ut Geo	GS_RES	102.560	82.470	81.440	90.780	224.860	385.450	601.170	635.090	513.230	406.440	271.840	169.320	3,564.650
Ut KRGT	GS_COM	6.360	5.110	5.040	5.620	13.950	23.870	37.300	38.420	31.080	24.620	16.470	10.250	218.100
Ut KRGT	GS_RES	15.450	12.430	12.270	13.680	33.880	58.080	90.580	95.640	77.330	61.240	40.960	25.510	537.060
UT NPC	GS_COM	2.400	1.940	1.910	2.130	5.290	9.030	14.140	14.530	11.800	9.320	6.240	3.880	82.620
UT NPC	GS_RES	5.850	4.710	4.650	5.180	12.830	22.000	34.310	36.260	29.270	23.190	15.510	9.670	203.440
Wy QGC	FS_COM	10.910	10.060	10.000	11.730	12.970	16.260	21.200	24.130	21.840	20.640	19.970	15.480	195.200
Wy QGC	GS_COM	40.640	27.630	27.600	42.080	94.240	167.010	251.050	258.820	233.120	197.970	137.210	89.040	1,566.410
Wy QGC	GS_RES	59.800	40.570	40.520	61.770	138.330	245.200	368.540	381.720	343.830	291.990	202.370	131.310	2,305.940
Wy QGC	IS_COM	3.180	3.140	3.140	3.270	3.130	15.490	15.160	18.440	15.940	12.540	11.550	8.290	113.280
Wy QGC	IS_IND	1.220	1.260	1.260	1.370	2.100	2.530	2.030	1.790	2.100	1.750	1.390	1.730	20.540
		3,212.540	2,614.260	2,582.100	2,854.360	7,185.880	12,314.050	19,232.980	20,174.880	16,307.230	12,916.730	8,635.710	5,377.670	113,408.460
Fuel	Transport	202.794	195.889	214.194	214.008	293.536	278.855	355.475	337.634	296.118	284.572	250.684	242.360	3,166.119
Fuel	Injection	56.746	78.353	91.814	90.794	20.920	12.975	1.114	0.333	0.000	0.000	7.320	16.149	376.518
Fuel	Withdrawal	0.000	0.000	0.000	0.000	6.255	1.038	90.392	72.804	53.479	49.771	14.196	0.000	287.935
	Total	259.540	274.242	306.008	304.802	320.711	292.868	446.981	410.771	349.597	334.343	272.200	258.509	3,830.572
Inject	Clay Basin	1,453.791	2,099.061	2,504.967	2,459.118	216.408	0.000	0.000	0.000	0.000	0.000	0.000	215.306	8,948.651
Inject	Aquifer	0.000	0.000	0.000	40.600	184.000	498.483	143.550	56.125	0.000	0.000	0.000	0.000	922.758
Inject	Ryckman	341.728	353.119	353.119	341.728	353.119	0.000	0.000	0.000	0.000	0.000	285.491	353.119	2,381.423
		1,795.519	2,452.180	2,858.086	2,841.446	753.527	498.483	143.550	56.125	0.000	0.000	285.491	568.425	12,252.832
Off_Sys		65.700	67.859	67.890	65.700	67.859	65.700	67.766	67.890	61.264	67.208	64.650	66.402	795.888
L and U		14.888	12.116	11.968	13.258	33.338	57.116	89.114	93.460	75.538	59.846	40.034	24.933	525.609
		80.588	79.975	79.858	78.958	101.197	122.816	156.880	161.350	136.802	127.054	104.684	91.335	1,321.497
Total Required		5,348.187	5,420.657	5,826.052	6,079.566	8,361.315	13,228.217	19,980.391	20,803.126	16,793.629	13,378.127	9,298.085	6,295.939	130,813.361

Required v. Supply

Exhibit 10.90

		Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Total
Supply	Spot	0.000	0.000	0.000	324.942	478.907	3,217.428	2,614.013	4,353.547	2,323.805	4,211.759	1,638.660	454.305	19,617.366
Supply	Peak	0.000	0.000	0.000	0.000	0.000	2,218.932	4,340.000	4,340.000	3,920.000	0.000	0.000	0.000	14,818.932
Supply	Base	0.000	0.000	0.000	0.000	930.000	1,350.000	2,416.450	2,416.450	2,182.600	930.000	900.000	0.000	11,125.500
	Total	0.000	0.000	0.000	324.942	1,408.907	6,786.360	9,370.463	11,109.997	8,426.405	5,141.759	2,538.660	454.305	45,561.798
Withdraw	Aquifer	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	877.250	44.875	0.000	922.125
Withdraw	Clay Basin	0.000	0.000	0.000	0.000	262.822	43.610	3,798.000	3,059.000	2,247.000	1,233.907	543.493	0.000	11,187.832
Withdraw	Ryckman	0.000	0.000	0.000	0.000	336.845	171.670	514.600	514.600	464.800	0.000	389.927	0.000	2,392.442
Withdraw	Company	4,048.002	4,128.146	4,075.257	3,894.504	4,160.479	3,970.833	4,045.915	3,997.521	3,565.400	3,894.747	3,725.949	3,806.524	47,313.277
Withdraw	Wexpro I	428.787	408.106	717.759	894.381	1,039.002	1,086.624	1,039.092	947.155	858.906	904.165	819.174	798.312	9,941.463
Withdraw	Wexpro II	802.821	813.570	962.175	897.156	1,082.418	1,100.541	1,141.584	1,103.981	1,167.174	1,256.167	1,168.533	1,167.472	12,663.592
		5,279.610	5,349.822	5,755.191	5,686.041	6,881.566	6,373.278	10,539.191	9,622.257	8,303.280	8,166.236	6,691.951	5,772.308	84,420.731
Withdraw	Off_System	68.584	70.838	70.87	68.584	70.838	68.584	70.741	70.87	63.953	70.158	67.488	69.317	830.825
	Total Supply	5,348.194	5,420.660	5,826.061	6,079.567	8,361.311	13,228.222	19,980.395	20,803.124	16,793.638	13,378.153	9,298.099	6,295.930	130,813.354
Net of Fuel	Clay Basin	0.000	0.000	0.000	0.000	256.567	42.572	3,707.608	2,986.196	2,193.521	1,204.540	530.558	0.000	10,921.562
Net of Fuel	Aquifers	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	856.846	43.614	0.000	900.460