

Supply Cost Report

Economically Optimal Portfolio

		2016	2017	2018	2019	2020	2021	2022
FIXEDCOST \$M	Total	311.5	311.8	312.7	313.7	314.7	315.7	316.7
GENERATIONCOSTS \$M	MEAN	99.4	101.2	104.8	110.5	114.5	120.2	155.9
	P5	91.3	94.7	96.3	100.7	101.6	106.7	127.3
	P95	106.6	111.0	114.5	122.2	129.3	139.1	188.0
MARKETPURCHASES \$M	MEAN	6.8	10.9	13.7	14.5	15.1	15.7	29.0
	P5	5.0	8.0	10.4	11.4	12.2	12.5	19.5
	P95	8.3	13.4	17.4	18.2	18.2	19.5	40.5
MARKETSALES \$M	MEAN	18.2	14.8	14.5	16.3	18.3	19.0	23.9
	P5	10.4	9.2	8.8	9.5	9.7	9.6	12.8
	P95	27.1	22.8	22.0	25.9	30.1	32.6	39.7
TOTALCOSTS \$M	MEAN	261.6	281.6	298.5	314.1	329.8	345.1	468.2
	P5	223.1	242.2	246.9	261.4	260.8	274.3	357.0
	P95	299.2	339.9	358.8	375.7	404.4	437.1	581.6

Current Portfolio plus Market

		2016	2017	2018	2019	2020	2021	2022
FIXEDCOST \$M	Total	265.2	264.5	264.5	264.5	264.5	264.5	264.5
GENERATIONCOSTS \$M	MEAN	99.4	101.2	104.8	107.9	111.4	115.7	148.2
	P5	91.6	94.3	96.4	99.4	100.9	105.0	123.5
	P95	106.9	111.1	114.7	117.4	123.6	130.1	174.2
MARKETPURCHASES \$M	MEAN	6.8	10.9	13.8	16.0	16.7	18.3	33.7
	P5	5.3	8.0	10.7	12.3	13.3	14.0	21.9
	P95	8.3	13.4	17.6	20.5	21.1	23.8	47.0
MARKETSALES \$M	MEAN	18.2	14.8	14.6	14.3	15.9	15.8	19.0
	P5	10.5	9.3	8.9	8.4	9.0	8.7	10.8
	P95	26.7	22.8	22.3	22.1	24.9	26.1	30.5
TOTALCOSTS \$M	MEAN	261.6	281.6	298.5	311.4	326.7	340.7	460.5
	P5	222.5	242.0	247.1	260.2	260.2	272.7	354.3
	P95	299.9	340.0	358.9	370.3	398.6	428.0	567.4

Frame CT

		2016	2017	2018	2019	2020	2021	2022
FIXEDCOST \$M	Total	310.6	310.8	311.7	312.6	313.6	314.6	315.6
GENERATIONCOSTS \$M	MEAN	99.4	101.2	104.8	109.1	113.2	117.6	149.8
	P5	91.5	94.7	96.3	99.8	100.8	106.1	124.5
	P95	106.7	110.6	114.4	120.1	127.1	134.8	177.9
MARKETPURCHASES \$M	MEAN	6.8	10.9	13.7	15.3	15.9	16.7	31.5
	P5	5.0	8.0	10.5	12.2	12.7	13.3	20.5
	P95	8.3	13.5	17.2	19.6	19.4	20.6	44.0
	MEAN	18.2	14.8	14.5	15.1	17.1	17.7	21.1

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MARKETSALES \$M	P5	10.5	9.3	8.9	8.5	9.4	9.3	11.8
	P95	26.6	22.0	22.0	24.0	28.1	30.9	34.4
TOTALCOSTS \$M	MEAN	261.6	281.6	298.5	312.6	328.4	342.5	462.2
	P5	223.0	242.2	247.0	261.0	260.1	274.1	354.4
	P95	299.3	339.1	359.0	372.8	402.0	432.5	570.6

High Load

		2016	2017	2018	2019	2020	2021	2022
FIXEDCOST \$M	Total	318.4	318.8	319.9	321.0	322.1	323.3	324.5
GENERATIONCOSTS \$M	MEAN	99.4	101.2	104.8	111.5	115.6	121.3	157.8
	P5	91.4	94.5	96.4	100.9	102.0	107.5	128.6
	P95	106.8	110.7	114.6	123.6	130.8	141.4	190.9
MARKETPURCHASES \$M	MEAN	6.8	11.1	14.2	14.7	15.5	16.4	30.3
	P5	5.3	8.2	10.9	11.9	12.8	13.3	20.6
	P95	8.7	13.6	18.1	17.9	18.9	20.1	41.3
MARKETSALES \$M	MEAN	18.2	14.7	14.4	16.8	18.8	19.3	24.4
	P5	10.4	9.3	8.8	9.7	9.9	10.0	13.4
	P95	27.1	22.4	21.4	27.4	30.9	32.4	40.0
TOTALCOSTS \$M	MEAN	261.6	281.9	299.1	315.9	332.2	348.0	473.2
	P5	222.9	242.5	247.5	262.4	262.1	276.5	359.5
	P95	299.8	339.8	359.5	378.4	407.6	441.5	588.3

Low Load

		2016	2017	2018	2019	2020	2021	2022
FIXEDCOST \$M	Total	308.1	308.3	309.1	310.0	310.9	311.9	312.9
GENERATIONCOSTS \$M	MEAN	99.4	101.2	104.8	109.6	114.5	119.1	153.9
	P5	91.3	94.7	96.3	100.2	101.6	106.2	126.3
	P95	106.6	111.0	114.5	120.7	129.3	136.9	184.9
MARKETPURCHASES \$M	MEAN	6.8	10.7	13.3	14.3	14.1	15.0	27.8
	P5	5.0	7.9	10.1	11.1	11.4	11.8	18.4
	P95	8.3	13.2	16.9	18.1	16.9	19.0	39.4
MARKETSALES \$M	MEAN	18.2	14.9	14.6	15.9	18.7	18.6	23.3
	P5	10.4	9.3	8.9	9.3	9.9	9.5	12.4
	P95	27.1	22.9	22.3	25.0	31.0	31.9	38.6
TOTALCOSTS \$M	MEAN	261.6	281.3	298.0	312.3	328.5	342.3	463.3
	P5	223.1	242.0	246.5	260.3	259.9	272.8	354.3
	P95	299.2	339.6	358.0	373.0	402.5	432.4	574.2

High Carbon

		2016	2017	2018	2019	2020	2021	2022
FIXEDCOST \$M	Total	311.5	311.8	312.7	313.7	314.7	315.7	316.7

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GENERATIONCOSTS \$M	MEAN	99.4	101.2	104.8	110.5	114.5	120.2	176.3
	P5	91.3	94.7	96.3	100.7	101.6	106.7	146.3
	P95	106.6	111.0	114.5	122.2	129.3	139.1	204.0
MARKETPURCHASES \$M	MEAN	6.8	10.9	13.7	14.5	15.1	15.7	38.9
	P5	5.0	8.0	10.4	11.4	12.2	12.5	29.4
	P95	8.3	13.4	17.4	18.2	18.2	19.5	49.0
MARKETSALES \$M	MEAN	18.2	14.8	14.5	16.3	18.3	19.0	26.6
	P5	10.4	9.2	8.8	9.5	9.7	9.6	13.7
	P95	27.1	22.8	22.0	25.9	30.1	32.6	43.3
TOTALCOSTS \$M	MEAN	261.6	281.6	298.5	314.1	329.8	345.1	543.1
	P5	223.1	242.2	246.9	261.4	260.8	274.3	452.8
	P95	299.2	339.9	358.8	375.7	404.4	437.1	637.1

Low Carbon

		2016	2017	2018	2019	2020	2021	2022
FIXEDCOST \$M	Total	311.5	311.8	312.7	313.7	314.7	315.7	316.7
GENERATIONCOSTS \$M	MEAN	99.4	101.2	104.8	110.5	114.5	120.2	120.5
	P5	91.3	94.7	96.3	100.7	101.6	106.7	108.0
	P95	106.6	111.0	114.5	122.2	129.3	139.1	136.1
MARKETPURCHASES \$M	MEAN	6.8	10.9	13.7	14.5	15.1	15.7	17.5
	P5	5.0	8.0	10.4	11.4	12.2	12.5	13.9
	P95	8.3	13.4	17.4	18.2	18.2	19.5	21.6
MARKETSALES \$M	MEAN	18.2	14.8	14.5	16.3	18.3	19.0	18.6
	P5	10.4	9.2	8.8	9.5	9.7	9.6	10.2
	P95	27.1	22.8	22.0	25.9	30.1	32.6	30.5
TOTALCOSTS \$M	MEAN	261.6	281.6	298.5	314.1	329.8	345.1	354.2
	P5	223.1	242.2	246.9	261.4	260.8	274.3	282.1
	P95	299.2	339.9	358.8	375.7	404.4	437.1	435.5

High Gas

		2016	2017	2018	2019	2020	2021	2022
FIXEDCOST \$M	Total	311.5	311.8	312.7	313.7	314.7	315.7	316.7
GENERATIONCOSTS \$M	MEAN	105.2	106.5	110.1	117.1	121.4	127.8	167.6
	P5	96.2	99.2	100.3	105.6	105.8	111.7	135.3
	P95	113.2	117.5	121.1	131.0	139.0	150.6	203.5
MARKETPURCHASES \$M	MEAN	7.0	11.9	15.3	16.0	16.7	17.2	28.9
	P5	5.2	8.7	11.2	12.2	13.4	13.6	20.1
	P95	8.9	15.1	19.5	20.1	20.3	21.7	38.6
MARKETSALES \$M	MEAN	24.7	19.9	19.3	22.0	24.3	25.7	31.8
	P5	15.0	13.0	12.1	13.3	13.2	13.4	18.0
	P95	35.6	29.9	28.6	34.3	39.5	43.3	51.7

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TOTALCOSTS \$M	MEAN	294.7	317.8	337.3	356.3	374.6	392.6	521.9
	P5	248.5	270.7	275.4	292.8	290.7	307.3	395.4
	P95	339.8	387.6	410.1	431.0	464.9	504.2	651.3

Triple Wind and Solar

		2016	2017	2018	2019	2020	2021	2022
FIXEDCOST \$M	Total	311.5	311.8	312.7	313.7	314.7	315.7	316.7
GENERATIONCOSTS \$M	MEAN	99.4	101.2	109.1	117.1	127.7	138.6	184.8
	P5	91.6	94.3	98.9	104.8	108.8	116.8	143.9
	P95	106.9	111.1	121.4	131.5	150.8	171.0	227.6
MARKETPURCHASES \$M	MEAN	6.8	10.9	10.1	8.9	6.9	5.7	9.6
	P5	5.3	8.0	7.7	6.6	5.4	3.8	5.3
	P95	8.3	13.4	13.2	11.0	8.7	7.5	15.9
MARKETSALES \$M	MEAN	12.9	9.8	11.8	15.2	20.8	25.2	37.8
	P5	7.5	5.9	7.1	9.0	10.7	13.5	20.7
	P95	19.1	15.3	18.6	24.9	34.0	45.0	58.2
TOTALCOSTS \$M	MEAN	261.6	281.6	303.3	321.7	344.6	365.7	499.9
	P5	222.5	242.0	250.1	266.6	269.7	286.4	376.5
	P95	299.9	340.0	366.2	385.2	426.5	471.0	623.6

Double Wind and Solar

		2016	2017	2018	2019	2020	2021	2022
FIXEDCOST \$M	Total	318.4	318.8	319.9	321.0	322.1	323.3	324.5
GENERATIONCOSTS \$M	MEAN	99.4	101.2	109.1	112.5	122.3	127.2	170.1
	P5	91.8	94.4	98.7	102.2	105.7	111.2	136.4
	P95	106.8	110.9	120.6	124.5	141.2	150.3	205.9
MARKETPURCHASES \$M	MEAN	6.8	10.9	10.1	11.8	9.1	9.7	15.2
	P5	5.3	8.3	8.0	9.0	7.0	7.2	8.8
	P95	8.4	13.3	13.0	14.7	11.3	11.9	23.2
MARKETSALES \$M	MEAN	12.9	9.8	11.7	11.6	17.0	17.5	27.5
	P5	7.3	5.8	7.0	6.7	8.6	9.0	14.7
	P95	19.3	14.9	18.1	19.2	28.5	32.2	43.9
TOTALCOSTS \$M	MEAN	261.6	281.6	303.3	316.6	338.6	353.2	484.1
	P5	223.1	242.3	249.7	263.5	265.9	280.1	367.9
	P95	299.6	339.8	366.0	377.7	417.2	449.1	601.3

RPS Compliance

		2016	2017	2018	2019	2020	2021	2022
FIXEDCOST \$M	Total	311.5	311.8	312.7	313.7	314.7	315.7	316.7
GENERATIONCOSTS \$M	MEAN	99.4	101.2	104.8	110.5	114.5	120.2	155.9
	P5	91.3	94.7	96.3	100.7	101.6	106.7	127.3
	P95	106.6	111.0	114.5	122.2	129.3	139.1	188.0
MARKETPURCHASES \$M	MEAN	6.8	10.0	12.7	13.4	13.9	14.5	27.0
	P5	5.0	7.4	9.5	10.4	11.2	11.4	17.9

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	P95	8.3	12.3	16.1	16.7	16.8	18.1	37.9
MARKETSALES \$M	MEAN	12.9	10.9	9.5	10.6	11.7	12.4	15.8
	P5	7.3	6.5	5.7	6.2	6.1	6.1	8.3
	P95	19.4	16.9	14.5	17.2	20.1	22.0	26.5
	MEAN	261.6	301.2	325.9	334.1	350.3	366.0	489.5
TOTALCOSTS \$M	P5	223.1	261.8	274.3	281.5	281.2	295.2	378.3
	P95	299.2	359.5	386.2	395.7	424.8	458.0	602.8

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Economically Optimal Portfolio

		2023	2024	2025	2026	2027	2028	2029
FIXEDCOST \$M	Total	317.8	318.9	320.0	321.1	322.3	323.5	324.7
GENERATIONCOSTS \$M	MEAN	161.8	158.0	203.8	213.6	223.5	242.0	203.4
	P5	134.9	125.1	157.2	160.2	163.7	181.0	123.4
	P95	196.2	194.3	254.4	268.3	271.9	312.5	286.9
MARKETPURCHASES \$M	MEAN	30.5	34.6	18.3	19.5	26.5	28.4	36.8
	P5	21.4	23.0	11.7	12.7	18.3	20.7	24.5
	P95	42.7	49.1	26.2	27.6	37.1	39.7	49.9
MARKETSALES \$M	MEAN	25.2	25.4	80.2	81.9	69.0	83.0	72.3
	P5	15.4	15.1	48.0	51.2	37.8	48.3	32.0
	P95	37.9	40.8	119.4	123.1	102.3	127.4	126.0
TOTALCOSTS \$M	MEAN	487.6	498.3	560.3	588.3	597.2	634.2	615.8
	P5	385.0	391.5	426.6	442.1	436.8	480.2	411.7
	P95	608.6	618.2	693.0	738.3	730.8	805.3	819.7

Current Portfolio plus Market

		2023	2024	2025	2026	2027	2028	2029
FIXEDCOST \$M	Total	264.5	264.5	264.6	264.6	264.6	264.6	264.7
GENERATIONCOSTS \$M	MEAN	153.6	146.8	133.7	140.1	146.6	146.8	99.0
	P5	130.7	119.0	108.1	112.6	114.1	116.0	61.1
	P95	181.2	176.4	162.5	171.2	176.0	178.7	137.8
MARKETPURCHASES \$M	MEAN	35.7	42.2	52.2	56.5	75.1	84.7	113.3
	P5	24.4	28.9	35.8	37.6	54.8	63.0	78.8
	P95	48.4	59.7	71.4	73.6	98.5	107.1	147.4
MARKETSALES \$M	MEAN	20.1	19.2	14.6	14.3	7.7	6.5	3.1
	P5	12.9	12.1	8.5	7.1	3.7	3.2	1.0
	P95	29.9	29.8	23.3	23.5	14.0	12.0	6.2
TOTALCOSTS \$M	MEAN	479.3	487.1	490.2	514.7	520.3	539.1	511.4
	P5	380.7	385.2	380.2	395.8	387.6	415.8	348.8
	P95	591.4	599.5	601.0	640.0	632.6	671.0	673.2

Frame CT

		2023	2024	2025	2026	2027	2028	2029
FIXEDCOST \$M	Total	316.7	317.7	318.8	319.9	321.1	322.2	323.4
GENERATIONCOSTS \$M	MEAN	155.4	151.2	196.4	205.8	215.0	233.1	193.8
	P5	131.8	121.1	152.3	157.4	160.5	176.1	120.4
	P95	186.7	185.8	241.0	256.0	260.7	299.5	273.1
MARKETPURCHASES \$M	MEAN	33.2	37.5	19.0	20.4	27.7	29.3	38.0
	P5	23.1	24.9	12.2	13.1	19.1	20.5	25.2
	P95	46.8	53.2	27.4	28.1	39.9	41.2	52.0
	MEAN	22.3	22.5	74.6	76.2	62.7	76.4	65.3

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MARKETSALES \$M	P5	14.0	13.0	44.9	47.9	35.5	43.6	29.2
	P95	34.2	36.9	111.7	115.8	90.5	120.5	115.2
TOTALCOSTS \$M	MEAN	481.1	491.5	552.9	580.5	588.7	625.3	606.2
	P5	382.3	387.6	421.2	439.5	433.7	476.1	408.1
	P95	598.2	609.0	679.4	726.1	719.2	794.2	805.1

High Load

		2023	2024	2025	2026	2027	2028	2029
FIXEDCOST \$M	Total	325.7	326.9	328.2	329.5	330.8	332.2	333.6
GENERATIONCOSTS \$M	MEAN	166.0	160.1	208.3	218.3	228.6	241.2	202.8
	P5	138.3	124.7	158.8	161.8	167.3	179.9	124.3
	P95	203.5	197.1	262.8	278.4	280.7	309.7	288.0
MARKETPURCHASES \$M	MEAN	31.2	36.8	19.9	21.9	29.8	33.5	43.9
	P5	21.3	25.4	13.4	14.2	21.6	23.8	29.4
	P95	42.3	52.2	28.5	30.7	41.2	46.4	58.0
MARKETSALES \$M	MEAN	27.2	25.7	80.8	81.4	67.4	73.3	61.7
	P5	16.9	15.4	48.0	49.7	37.0	41.8	27.4
	P95	41.8	42.2	121.1	123.1	98.1	113.2	109.4
TOTALCOSTS \$M	MEAN	495.4	504.9	571.2	601.7	613.5	647.3	632.0
	P5	391.0	395.9	433.2	449.8	448.5	490.3	422.7
	P95	619.9	626.8	709.7	760.2	753.6	819.6	843.7

Low Load

		2023	2024	2025	2026	2027	2028	2029
FIXEDCOST \$M	Total	313.8	314.9	315.9	317.0	318.0	319.1	320.2
GENERATIONCOSTS \$M	MEAN	159.8	153.4	198.8	208.3	217.8	236.8	201.2
	P5	133.9	122.7	154.9	158.2	161.6	177.7	123.0
	P95	192.7	186.9	247.3	259.9	264.2	299.1	282.0
MARKETPURCHASES \$M	MEAN	28.9	34.0	16.9	17.7	23.5	24.5	30.7
	P5	19.9	22.2	10.7	11.4	16.2	17.5	19.8
	P95	40.8	48.7	24.8	25.9	33.2	34.7	43.1
MARKETSALES \$M	MEAN	24.8	23.6	79.2	82.1	70.0	86.7	80.1
	P5	15.2	14.1	47.9	52.1	40.7	51.8	36.8
	P95	37.4	37.5	116.7	122.4	101.7	130.2	135.8
TOTALCOSTS \$M	MEAN	481.8	489.3	549.0	574.5	580.7	615.6	597.4
	P5	381.0	385.6	419.9	434.2	427.0	466.9	400.2
	P95	600.3	605.3	677.8	718.9	708.3	774.2	793.8

High Carbon

		2023	2024	2025	2026	2027	2028	2029
FIXEDCOST \$M	Total	317.8	318.9	320.0	321.1	322.3	323.5	324.7

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GENERATIONCOSTS \$M	MEAN	187.7	186.0	249.5	263.5	276.9	306.8	260.8
	P5	159.9	153.0	204.5	217.7	228.3	248.9	200.4
	P95	214.9	216.5	294.2	318.3	321.6	374.3	336.1
MARKETPURCHASES \$M	MEAN	43.3	47.1	26.3	28.6	38.5	41.3	52.4
	P5	33.9	36.3	20.5	20.5	31.6	31.5	40.0
	P95	54.5	58.7	33.3	38.0	46.7	51.3	65.9
MARKETSALES \$M	MEAN	28.7	28.9	96.6	99.1	82.7	102.8	86.5
	P5	17.6	16.1	61.1	56.8	49.3	62.2	45.7
	P95	42.7	45.8	136.9	148.6	114.6	155.7	139.4
TOTALCOSTS \$M	MEAN	582.5	593.8	682.9	723.3	740.1	801.1	766.0
	P5	503.1	505.8	573.0	615.7	629.0	669.6	636.2
	P95	668.1	684.1	798.9	860.9	856.7	952.2	937.4

Low Carbon

		2023	2024	2025	2026	2027	2028	2029
FIXEDCOST \$M	Total	317.8	318.9	320.0	321.1	322.3	323.5	324.7
GENERATIONCOSTS \$M	MEAN	124.4	116.1	141.6	148.2	153.1	165.6	127.0
	P5	113.1	102.2	115.0	121.6	125.5	130.5	90.1
	P95	138.7	132.9	173.6	188.3	185.2	213.7	180.0
MARKETPURCHASES \$M	MEAN	18.6	21.4	11.3	12.2	16.4	18.7	21.6
	P5	14.9	16.5	9.2	9.7	13.4	14.7	17.7
	P95	22.4	26.1	13.7	15.0	19.3	22.2	25.5
MARKETSALES \$M	MEAN	19.5	19.8	57.1	58.5	49.1	59.9	54.8
	P5	12.2	11.6	32.8	30.4	25.5	30.4	25.7
	P95	29.1	31.9	87.8	99.0	74.5	104.8	98.5
TOTALCOSTS \$M	MEAN	367.7	370.5	407.3	427.1	425.9	451.2	427.0
	P5	306.0	301.6	317.6	339.8	335.6	344.4	320.2
	P95	439.0	447.0	510.3	552.3	528.3	583.6	576.1

High Gas

		2023	2024	2025	2026	2027	2028	2029
FIXEDCOST \$M	Total	317.8	318.9	320.0	321.1	322.3	323.5	324.7
GENERATIONCOSTS \$M	MEAN	173.9	171.8	226.0	236.8	247.8	271.3	235.8
	P5	143.2	134.4	172.4	176.4	180.9	202.4	144.6
	P95	212.2	212.2	281.3	298.5	302.5	349.2	330.7
MARKETPURCHASES \$M	MEAN	30.6	34.4	18.4	19.8	27.0	29.0	37.7
	P5	21.9	24.0	12.3	13.7	19.4	22.6	24.8
	P95	41.0	46.2	24.6	26.5	35.9	37.6	48.6
MARKETSALES \$M	MEAN	33.4	34.0	100.4	102.7	87.5	106.3	94.5
	P5	21.1	21.0	61.5	65.0	50.8	62.9	44.4
	P95	49.3	53.3	147.9	152.1	126.9	160.3	158.2

Supply Cost Report

TOTALCOSTS \$M	MEAN	543.6	558.3	631.1	662.7	675.5	720.4	708.1
	P5	431.5	441.0	478.6	496.0	499.7	546.9	478.2
	P95	678.5	692.3	779.7	839.9	834.9	912.6	943.7

Triple Wind and Solar

		2023	2024	2025	2026	2027	2028	2029
FIXEDCOST \$M	Total	317.8	318.9	320.0	321.1	322.3	323.5	324.7
GENERATIONCOSTS \$M	MEAN	199.7	200.5	195.0	204.9	214.5	218.4	173.5
	P5	160.7	154.0	143.6	152.7	156.3	160.0	98.6
	P95	249.6	261.3	258.9	275.6	276.2	294.1	260.3
MARKETPURCHASES \$M	MEAN	8.4	8.3	9.9	10.7	11.9	14.4	21.4
	P5	4.3	4.2	5.0	5.5	7.4	7.9	13.4
	P95	13.7	14.0	16.5	18.3	20.4	23.8	31.9
MARKETSALES \$M	MEAN	44.4	48.2	50.5	52.6	49.8	50.0	44.0
	P5	28.6	31.0	30.0	32.3	27.7	30.0	20.2
	P95	63.8	73.7	74.9	80.4	73.2	77.1	74.8
TOTALCOSTS \$M	MEAN	528.8	544.8	556.2	584.4	593.1	615.6	591.0
	P5	416.4	422.3	420.0	439.0	434.1	465.3	391.0
	P95	666.4	688.3	701.8	752.1	744.0	788.8	799.4

Double Wind and Solar

		2023	2024	2025	2026	2027	2028	2029
FIXEDCOST \$M	Total	325.7	326.9	328.2	329.5	330.8	332.2	333.6
GENERATIONCOSTS \$M	MEAN	176.7	175.9	164.3	172.5	180.5	215.4	173.7
	P5	145.7	137.6	127.3	130.3	133.7	156.1	93.9
	P95	217.2	222.2	208.6	221.8	224.2	291.5	265.6
MARKETPURCHASES \$M	MEAN	16.2	15.8	20.7	22.4	27.8	25.6	36.2
	P5	10.0	9.0	11.6	13.0	18.4	15.9	24.6
	P95	25.2	25.9	31.5	33.9	43.0	40.0	52.9
MARKETSALES \$M	MEAN	28.8	32.5	29.6	30.7	24.7	38.2	32.9
	P5	17.8	19.7	16.7	16.6	11.6	19.6	12.3
	P95	43.2	51.3	46.4	50.0	39.5	64.1	62.1
TOTALCOSTS \$M	MEAN	504.1	518.5	523.1	549.6	556.7	610.1	588.6
	P5	399.1	406.5	400.3	413.7	410.3	458.9	383.4
	P95	631.9	645.6	648.3	698.0	692.8	784.5	801.4

RPS Compliance

		2023	2024	2025	2026	2027	2028	2029
FIXEDCOST \$M	Total	317.8	318.9	320.0	321.1	322.3	323.5	324.7
GENERATIONCOSTS \$M	MEAN	161.8	158.0	203.8	213.6	223.5	242.0	203.4
	P5	134.9	125.1	157.2	160.2	163.7	181.0	123.4
	P95	196.2	194.3	254.4	268.3	271.9	312.5	286.9
MARKETPURCHASES \$M	MEAN	28.4	32.2	17.0	18.2	24.5	26.3	32.1
	P5	19.7	21.3	10.8	11.8	16.7	19.1	21.2

Supply Cost Report

	P95	40.0	46.0	24.5	25.9	34.5	36.9	44.2
MARKETSALES \$M	MEAN	16.6	16.2	38.0	39.4	36.9	42.2	40.1
	P5	10.2	9.2	22.4	23.9	20.8	23.7	17.3
	P95	25.6	25.8	55.7	58.5	54.5	64.8	66.8
TOTALCOSTS \$M	MEAN	509.2	520.4	582.9	611.3	620.6	658.1	664.6
	P5	406.7	413.6	449.1	465.1	460.3	504.1	460.5
	P95	630.3	640.3	715.6	761.3	754.2	829.3	868.6

Supply Cost Report

Economically Optimal Portfolio

		2030	2031	2032	2033	2034	2035
FIXEDCOST \$M	Total	325.9	327.2	328.4	329.8	331.1	332.4
GENERATIONCOSTS \$M	MEAN	216.8	223.8	234.9	248.9	254.9	266.9
	P5	157.8	149.5	152.8	163.8	166.3	156.6
	P95	294.1	306.4	352.8	344.4	349.5	362.4
MARKETPURCHASES \$M	MEAN	37.0	42.4	45.7	46.7	54.3	57.4
	P5	26.1	29.7	30.2	31.1	35.5	38.9
	P95	53.5	58.6	63.0	65.2	73.8	81.6
MARKETSALES \$M	MEAN	75.9	77.5	80.7	81.3	81.3	81.7
	P5	40.7	40.5	37.8	40.2	38.9	39.8
	P95	119.4	127.7	152.1	136.0	144.4	136.0
TOTALCOSTS \$M	MEAN	651.1	680.2	715.4	754.2	782.2	821.6
	P5	503.9	490.9	502.2	536.3	557.8	528.9
	P95	841.8	886.4	996.0	979.9	1,011.9	1,067.7

Current Portfolio plus Market

		2030	2031	2032	2033	2034	2035
FIXEDCOST \$M	Total	264.7	264.7	264.8	264.8	264.8	264.8
GENERATIONCOSTS \$M	MEAN	107.0	108.6	113.6	122.1	122.4	128.3
	P5	77.1	71.4	70.9	79.8	72.4	76.3
	P95	141.3	148.2	164.1	167.0	165.3	174.5
MARKETPURCHASES \$M	MEAN	118.0	129.2	138.3	146.4	161.8	172.9
	P5	87.8	93.9	96.6	107.9	113.0	120.3
	P95	147.5	164.2	178.2	189.6	208.5	221.8
MARKETSALES \$M	MEAN	3.6	3.1	2.9	3.0	2.4	2.2
	P5	1.3	1.2	0.7	1.0	0.9	0.8
	P95	7.1	6.4	5.4	6.0	5.4	4.2
TOTALCOSTS \$M	MEAN	541.3	564.9	594.1	627.4	649.7	683.0
	P5	423.2	413.7	420.4	456.3	468.0	443.8
	P95	692.3	730.0	811.5	803.4	831.1	882.8

Frame CT

		2030	2031	2032	2033	2034	2035
FIXEDCOST \$M	Total	324.6	325.8	327.1	328.4	329.7	331.0
GENERATIONCOSTS \$M	MEAN	206.7	213.2	223.6	236.8	242.0	253.2
	P5	151.4	142.9	146.6	157.8	159.5	150.7
	P95	280.0	293.2	333.2	325.8	324.5	345.6
MARKETPURCHASES \$M	MEAN	38.3	43.9	47.2	48.4	56.4	59.7
	P5	25.8	31.2	29.9	31.8	36.5	39.6
	P95	55.1	59.4	66.2	67.4	76.2	85.0
	MEAN	68.6	69.9	72.6	72.2	72.2	71.9

Supply Cost Report

MARKETSALES \$M	P5	36.9	37.0	32.2	35.4	34.2	33.1
	P95	108.2	121.4	142.7	122.6	137.8	125.6
TOTALCOSTS \$M	MEAN	641.0	669.5	704.2	742.0	769.3	807.9
	P5	498.0	484.3	495.9	530.5	550.9	522.9
	P95	826.1	872.4	978.5	965.1	989.3	1,048.6

High Load

		2030	2031	2032	2033	2034	2035
FIXEDCOST \$M	Total	335.0	336.4	337.9	339.4	340.9	342.4
GENERATIONCOSTS \$M	MEAN	215.9	226.2	237.6	251.5	261.1	273.4
	P5	157.6	151.0	155.1	164.2	169.5	160.6
	P95	293.0	311.9	357.1	349.0	355.3	379.9
MARKETPURCHASES \$M	MEAN	45.7	52.8	57.7	60.9	71.3	76.9
	P5	32.8	37.8	39.1	42.1	46.8	52.4
	P95	63.9	70.5	77.4	83.8	94.5	107.5
MARKETSALES \$M	MEAN	63.5	66.7	67.8	66.1	68.3	66.2
	P5	35.0	32.5	28.0	31.0	27.6	28.3
	P95	101.9	118.8	136.4	114.3	139.5	123.2
TOTALCOSTS \$M	MEAN	670.4	706.4	745.9	788.8	825.0	869.8
	P5	519.3	509.8	524.1	559.8	587.7	560.0
	P95	864.9	920.7	1,041.0	1,027.5	1,059.0	1,136.0

Low Load

		2030	2031	2032	2033	2034	2035
FIXEDCOST \$M	Total	321.4	322.5	323.7	324.9	326.2	327.4
GENERATIONCOSTS \$M	MEAN	214.3	221.1	232.1	246.0	251.8	263.8
	P5	157.3	148.8	151.1	163.9	164.8	154.6
	P95	290.0	302.2	344.2	336.5	345.8	359.1
MARKETPURCHASES \$M	MEAN	30.2	34.2	35.8	35.6	41.1	42.4
	P5	20.4	23.1	22.8	22.7	25.7	27.3
	P95	44.5	47.3	51.3	51.8	56.9	62.2
MARKETSALES \$M	MEAN	86.0	89.1	94.1	97.1	99.1	102.3
	P5	49.6	48.0	47.0	51.1	53.0	53.2
	P95	132.8	144.3	168.8	153.8	166.0	163.5
TOTALCOSTS \$M	MEAN	629.3	654.9	686.4	721.2	744.8	779.6
	P5	488.3	473.5	481.9	514.8	531.4	501.5
	P95	813.5	853.4	954.5	933.7	966.1	1,014.5

High Carbon

		2030	2031	2032	2033	2034	2035
FIXEDCOST \$M	Total	325.9	327.2	328.4	329.8	331.1	332.4

Supply Cost Report

GENERATIONCOSTS \$M	MEAN	277.3	288.0	299.5	319.9	337.5	347.0
	P5	219.1	219.7	211.9	252.1	257.7	269.8
	P95	343.1	361.0	396.0	403.9	429.8	445.3
MARKETPURCHASES \$M	MEAN	51.9	59.3	62.3	64.5	75.5	78.1
	P5	39.0	44.8	49.4	47.9	60.8	61.0
	P95	64.3	74.1	80.5	81.6	92.7	96.6
MARKETSALES \$M	MEAN	90.2	92.1	95.4	95.8	98.3	97.2
	P5	51.5	51.6	41.6	59.4	51.6	53.4
	P95	132.6	146.5	169.0	150.5	176.0	158.8
TOTALCOSTS \$M	MEAN	805.4	847.2	882.7	936.6	996.7	1,030.6
	P5	675.9	695.9	688.0	788.4	815.3	855.9
	P95	949.9	1,017.9	1,110.0	1,134.5	1,215.2	1,262.8

Low Carbon

		2030	2031	2032	2033	2034	2035
FIXEDCOST \$M	Total	325.9	327.2	328.4	329.8	331.1	332.4
GENERATIONCOSTS \$M	MEAN	134.5	138.9	145.6	152.9	157.4	163.9
	P5	97.2	97.5	90.9	107.9	107.8	112.6
	P95	179.7	192.0	220.6	215.7	225.9	238.1
MARKETPURCHASES \$M	MEAN	21.3	25.3	27.3	27.6	32.8	35.2
	P5	17.0	21.2	22.7	22.3	28.2	29.8
	P95	25.4	30.0	32.7	32.6	38.8	40.7
MARKETSALES \$M	MEAN	57.7	58.9	61.7	61.7	62.2	62.5
	P5	28.3	28.8	22.1	31.4	27.1	26.6
	P95	92.9	101.9	124.4	106.3	127.3	113.9
TOTALCOSTS \$M	MEAN	450.5	470.3	494.5	519.6	538.4	564.4
	P5	342.5	347.1	335.2	394.1	389.4	416.5
	P95	574.7	619.5	700.2	696.0	732.3	772.7

High Gas

		2030	2031	2032	2033	2034	2035
FIXEDCOST \$M	Total	325.9	327.2	328.4	329.8	331.1	332.4
GENERATIONCOSTS \$M	MEAN	251.1	259.3	272.0	288.1	295.1	308.7
	P5	184.7	175.7	181.7	189.9	196.6	185.8
	P95	338.1	353.0	404.4	396.6	394.3	418.0
MARKETPURCHASES \$M	MEAN	37.5	43.8	47.1	47.7	56.2	59.8
	P5	27.5	31.9	33.4	33.3	39.4	41.3
	P95	50.9	58.1	62.3	65.3	72.2	81.2
MARKETSALES \$M	MEAN	99.1	101.4	105.1	105.9	106.0	106.9
	P5	57.2	56.6	51.4	55.4	51.4	54.7
	P95	153.0	167.3	192.4	173.3	182.3	173.1

Supply Cost Report

TOTALCOSTS \$M	MEAN	748.6	782.3	822.8	867.5	900.4	945.7
	P5	588.3	569.5	592.4	620.4	657.1	624.4
	P95	960.2	1,013.8	1,134.3	1,127.3	1,141.0	1,234.6

Triple Wind and Solar

		2030	2031	2032	2033	2034	2035
FIXEDCOST \$M	Total	325.9	327.2	328.4	329.8	331.1	332.4
GENERATIONCOSTS \$M	MEAN	186.1	192.8	202.5	215.1	219.9	230.3
	P5	128.9	121.1	127.2	130.4	135.9	130.8
	P95	259.6	279.4	321.7	307.3	310.8	340.7
MARKETPURCHASES \$M	MEAN	21.8	24.7	26.8	27.9	33.4	35.1
	P5	13.0	14.6	14.8	15.2	19.6	21.9
	P95	34.4	37.5	42.1	39.8	52.3	53.8
MARKETSALES \$M	MEAN	46.8	48.0	50.2	51.7	52.0	53.6
	P5	27.8	28.1	26.2	26.7	26.2	25.4
	P95	72.6	79.8	94.1	84.6	90.7	90.1
TOTALCOSTS \$M	MEAN	625.6	654.6	688.6	726.1	753.0	791.0
	P5	480.3	468.1	484.3	508.3	533.1	508.6
	P95	812.8	860.3	962.3	954.7	969.1	1,049.8

Double Wind and Solar

		2030	2031	2032	2033	2034	2035
FIXEDCOST \$M	Total	335.0	336.4	337.9	339.4	340.9	342.4
GENERATIONCOSTS \$M	MEAN	186.4	193.5	203.8	217.0	222.2	233.1
	P5	127.3	117.8	123.3	125.7	133.7	127.5
	P95	266.2	284.2	327.0	315.5	317.7	344.6
MARKETPURCHASES \$M	MEAN	36.7	41.2	44.0	45.4	52.5	55.2
	P5	23.2	26.0	27.5	27.8	31.1	37.4
	P95	55.6	59.2	65.9	62.3	76.7	78.9
MARKETSALES \$M	MEAN	35.1	36.3	38.1	39.2	39.1	40.3
	P5	17.3	17.3	14.3	17.2	15.3	16.3
	P95	59.7	65.5	80.1	69.1	76.9	74.5
TOTALCOSTS \$M	MEAN	623.4	652.6	687.1	725.2	752.4	790.8
	P5	477.6	462.1	478.4	499.9	528.1	502.6
	P95	815.6	861.6	969.5	959.3	976.8	1,050.5

RPS Compliance

		2030	2031	2032	2033	2034	2035
FIXEDCOST \$M	Total	325.9	327.2	328.4	329.8	331.1	332.4
GENERATIONCOSTS \$M	MEAN	216.8	223.8	234.9	248.9	254.9	266.9
	P5	157.8	149.5	152.8	163.8	166.3	156.6
	P95	294.1	306.4	352.8	344.4	349.5	362.4
MARKETPURCHASES \$M	MEAN	26.9	31.4	33.9	34.6	39.8	41.5
	P5	18.3	21.4	21.7	21.8	25.2	27.1

Supply Cost Report

	P95	40.2	44.9	48.3	50.5	56.2	61.6
MARKETSALES \$M	MEAN	46.5	48.4	50.6	52.3	54.0	56.9
	P5	28.1	27.4	26.7	26.6	29.6	28.9
	P95	71.1	75.6	90.5	82.0	85.3	91.0
TOTALCOSTS \$M	MEAN	769.4	800.9	838.5	879.7	923.7	979.6
	P5	622.2	611.7	625.3	661.8	699.3	686.8
	P95	960.1	1,007.1	1,119.1	1,105.4	1,153.5	1,225.8