Scenarios 1B and 2C Key Findings

CRAC -- May 1, 2015

RPM Scenarios

- Scenarios:
  - 1B – Current policy with no penalty for CO2 emissions
  - 2C – Current policy plus an uncertain penalty for CO2 emissions

Conservation Representation in the RPM

- Supply curves for discretionary and lost opportunity with 7 bins each purchased at an average price
- Purchases vary based on market dynamics in the model
- Resource Strategies test increasing and decreasing the amount of conservation purchased

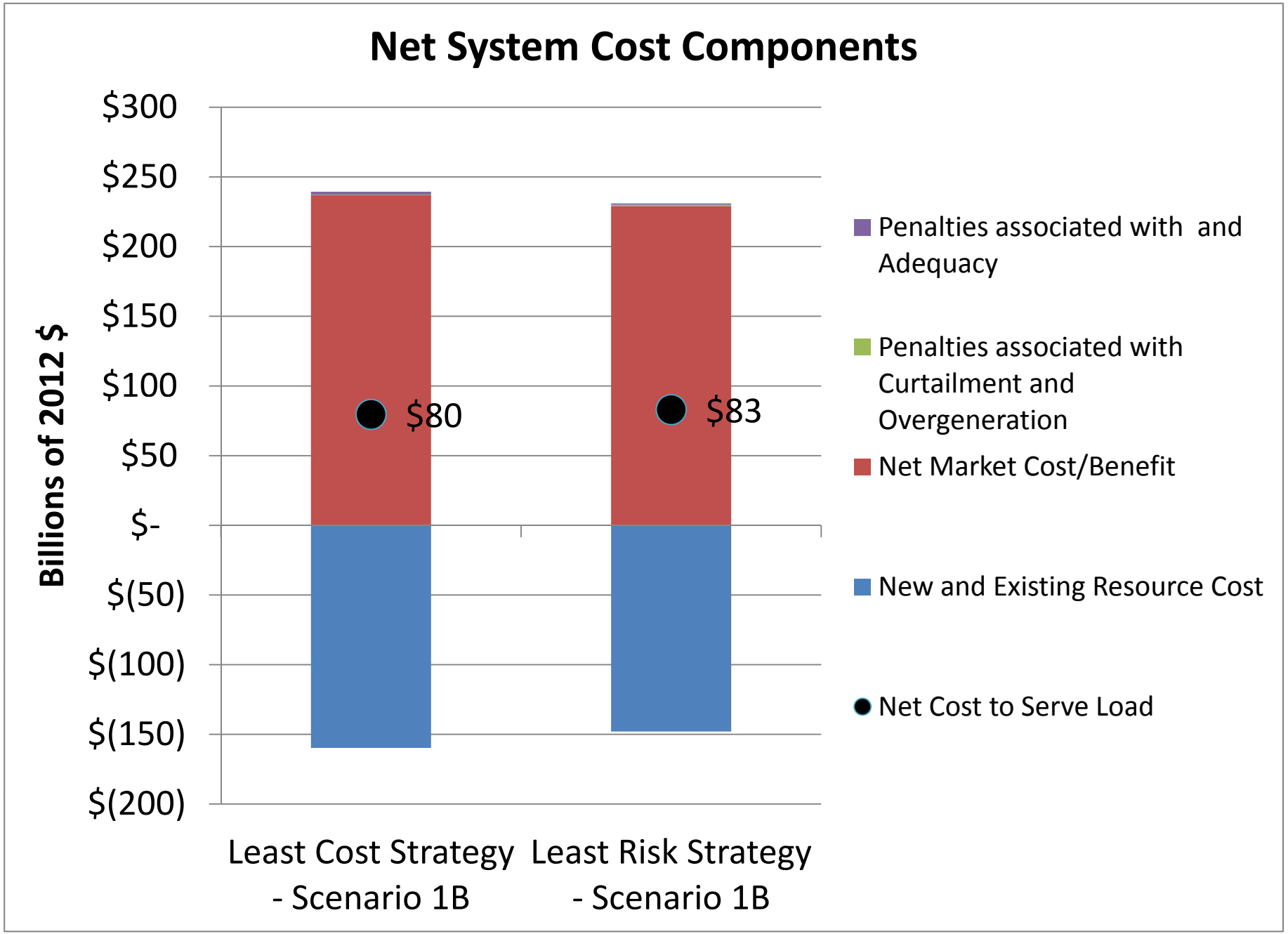
Conservation in 1B

- Least cost resource strategy has a wider range of outcomes for conservation than least risk
- Conservation supplies the majority of the capacity and energy needs both in the action plan and over the entire study

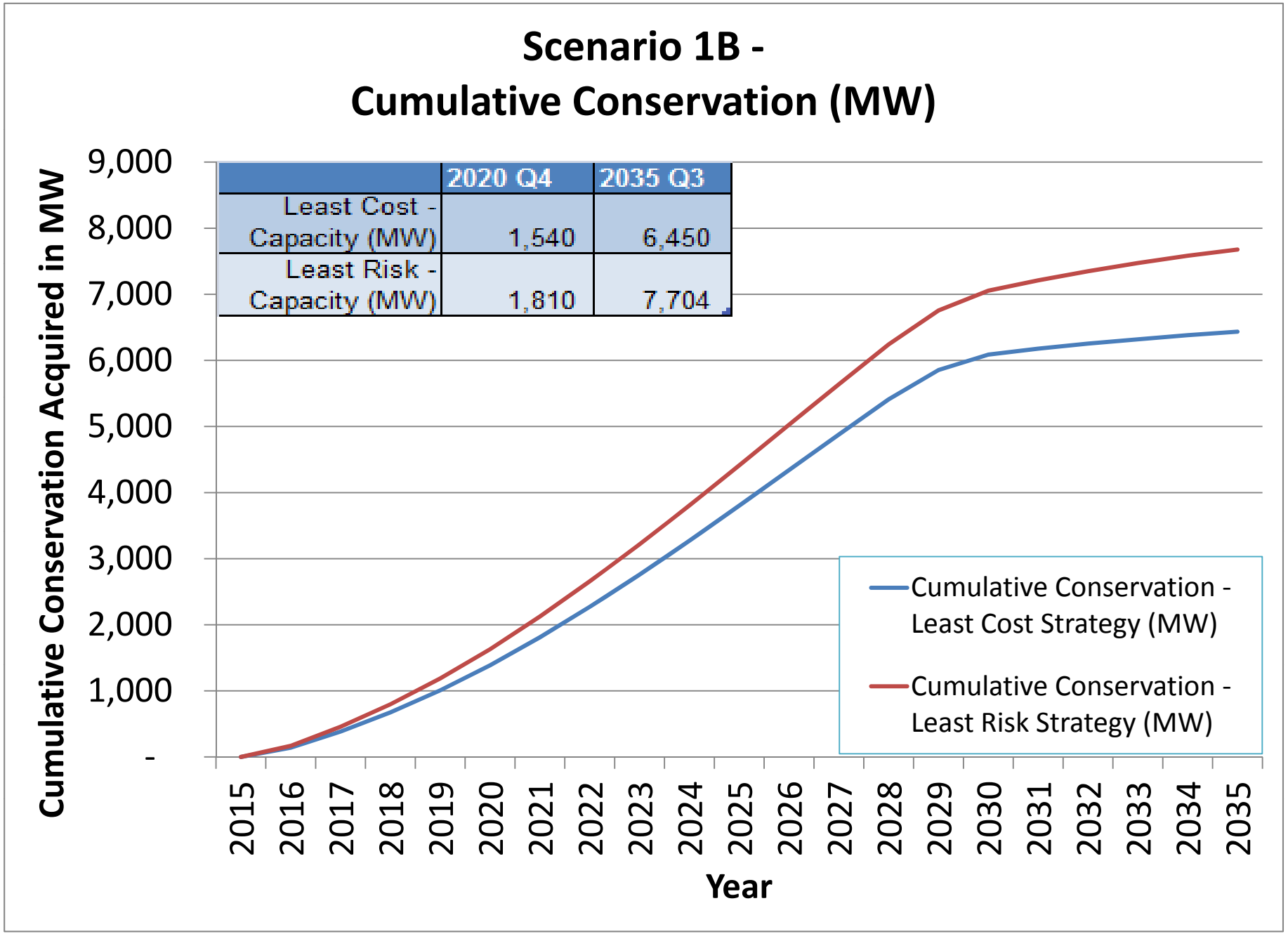
Comparing 1B and 2C

- Conservation
  - Action plan period has 50 to 70 aMW more conservation purchased in 2C when comparing least cost strategies
  - Over the 20-year study, 2C has around 500 aMW more conservation when comparing least cost strategies


Least Cost Strategy vs Least Risk Strategy
Probability
Net System Cost - ($2012 billions)
28
35
41
48
55
62
69
76
82
89
96
103
110
117
123
130
137
144
151
157
164
171
178
185
192
Least Cost Strategy - Scenario 1B
Least Risk Strategy - Scenario 1B
Mean
System Risk
Mean
System Risk

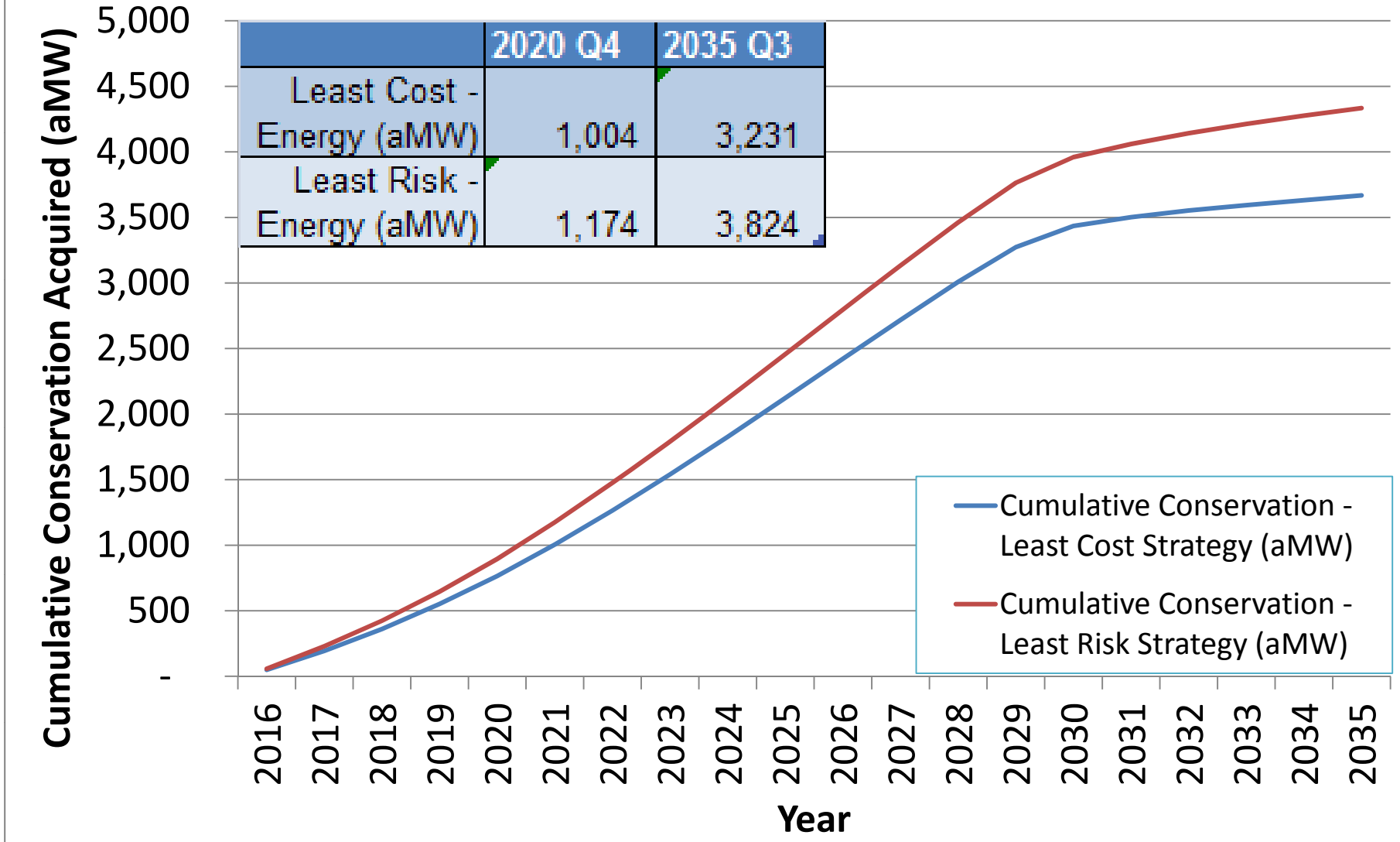

Net System Cost Components
Billions of 2012 $
$300
$250
$200
$150
$100
$50
$-
$(50)
$(100)
$(150)
$(200)
$80
$83
Least Cost Strategy - Scenario 1B
Least Risk Strategy - Scenario 1B
Penalties associated with and Adequacy
Penalties associated with Curtailment and Overgeneration
Net Market Cost/Benefit
New and Existing Resource Cost
Net Cost to Serve Load

Scenario 1B - Cumulative Conservation (MW)

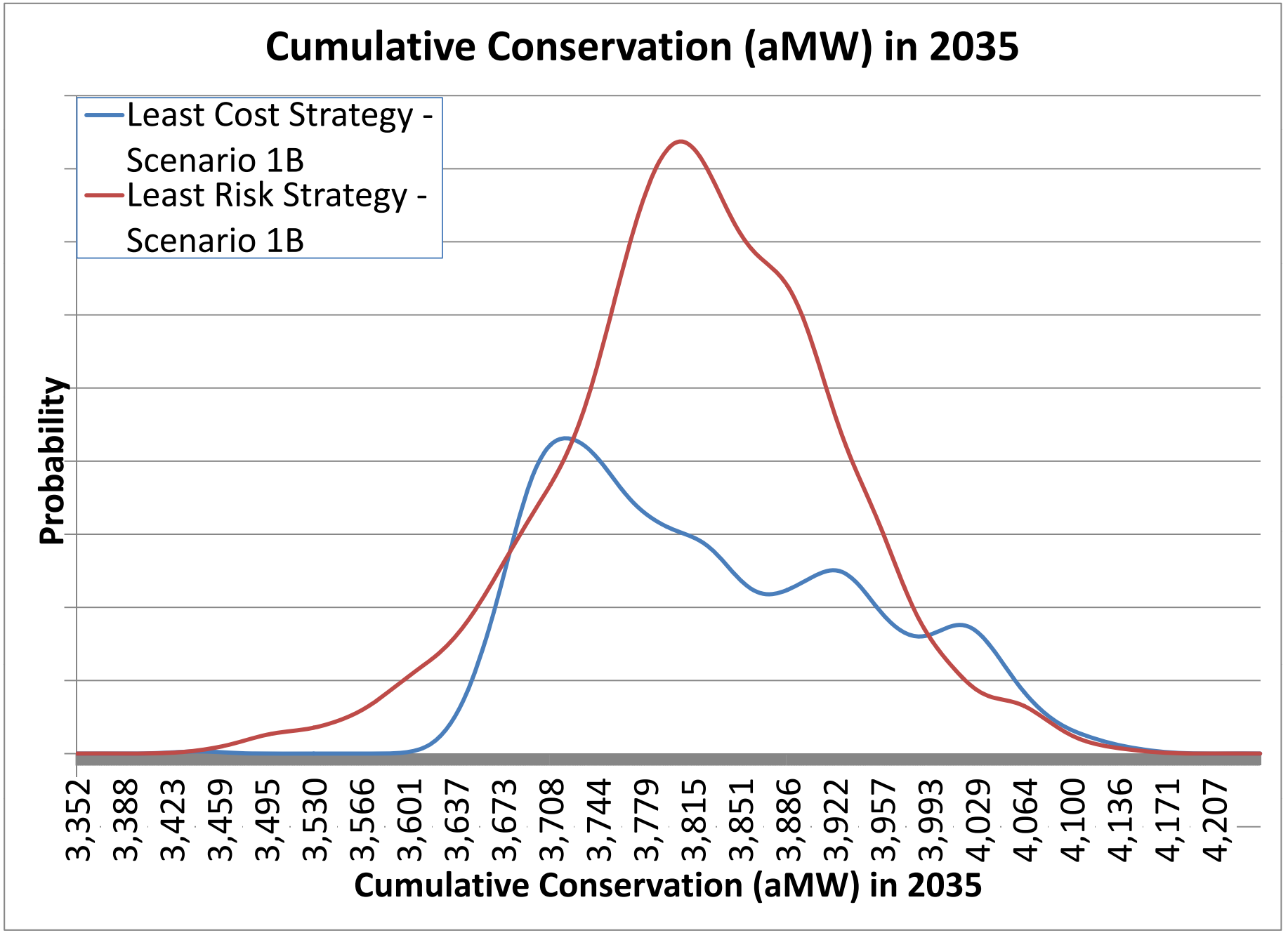


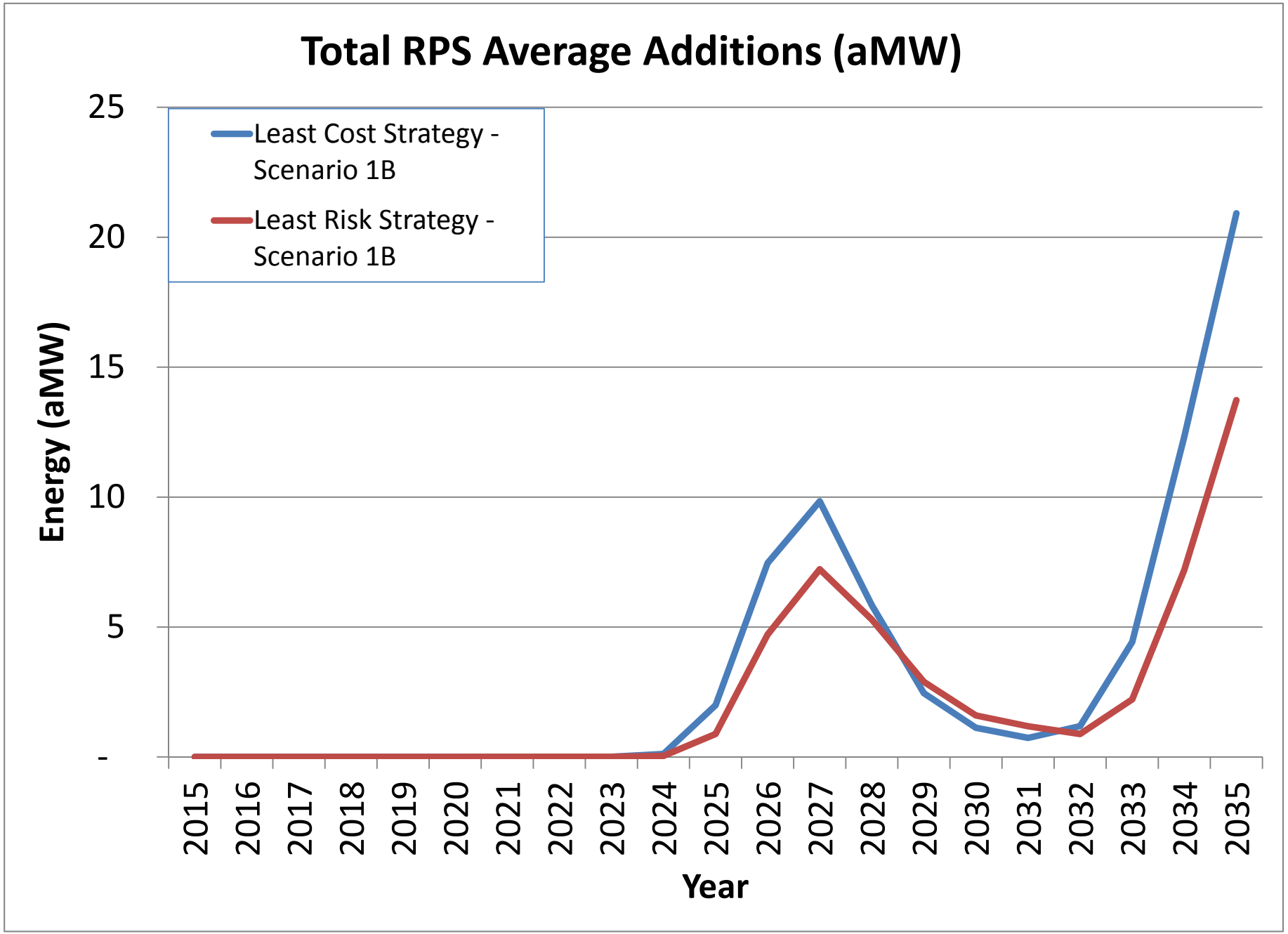
	2020 Q4	2035 Q3
Least Cost - Capacity (MW)	1,540	6,450
Least Risk - Capacity (MW)	1,810	7,704

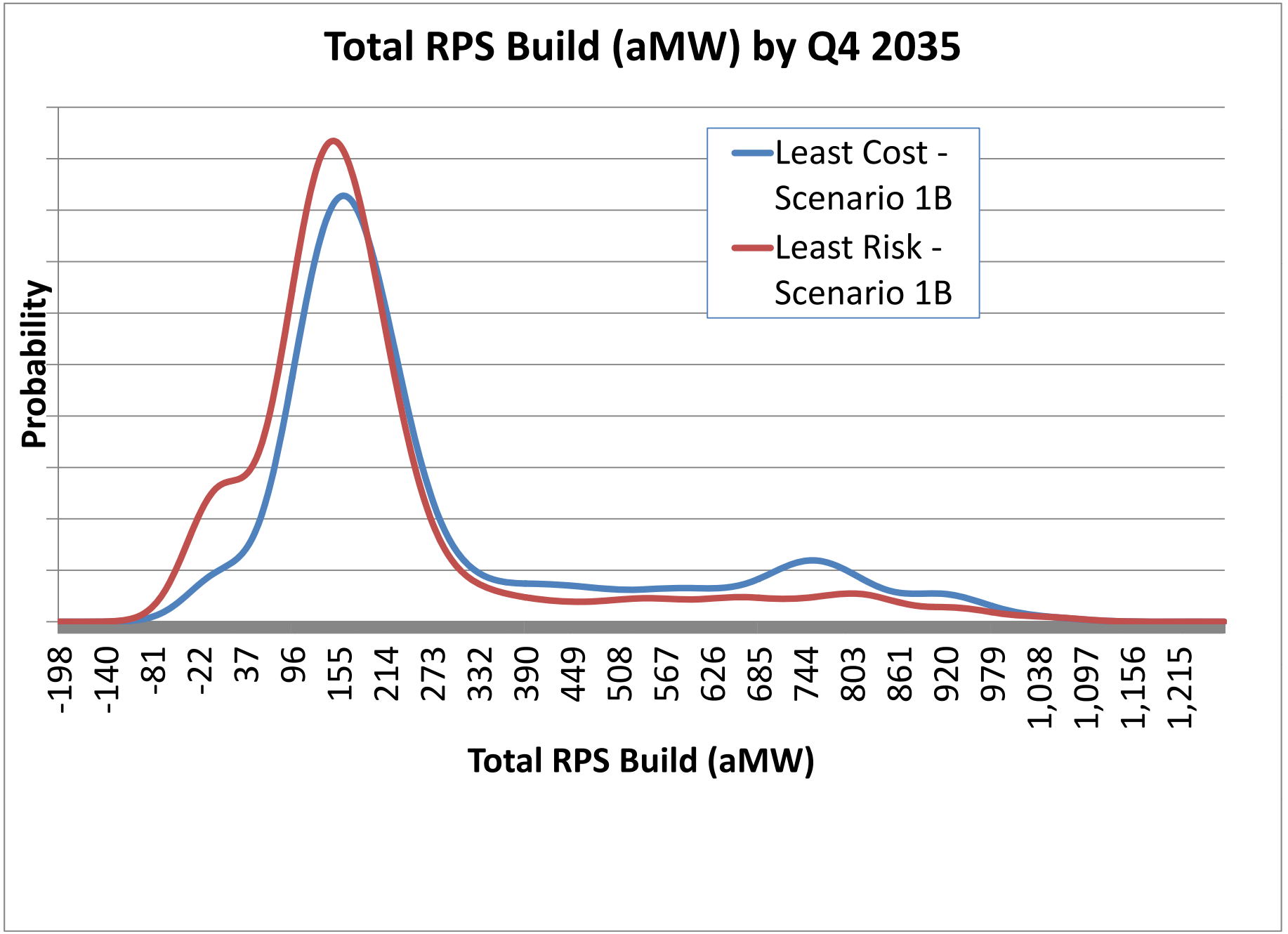
Scenario 1B - Cumulative Conservation (aMW)

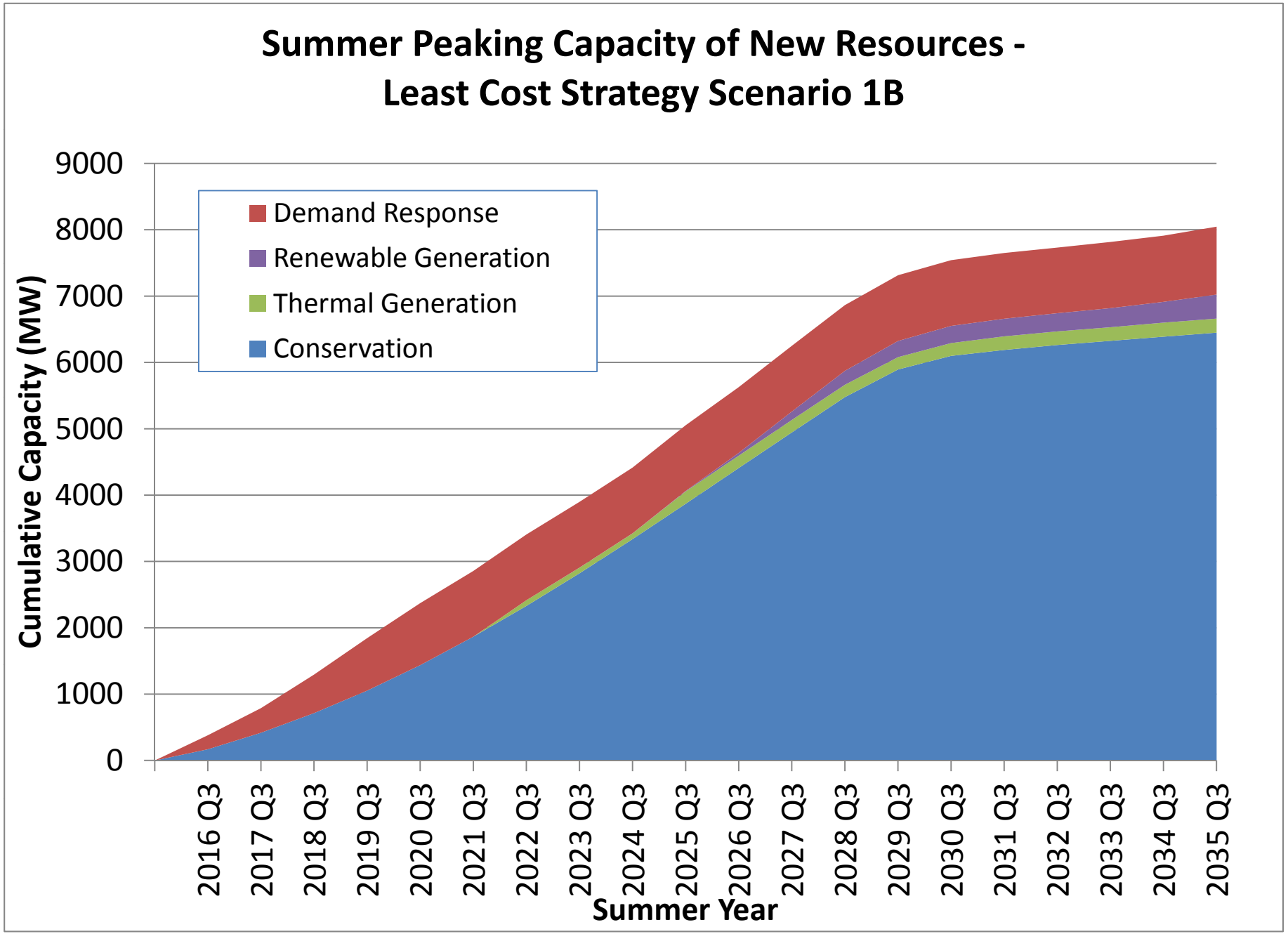


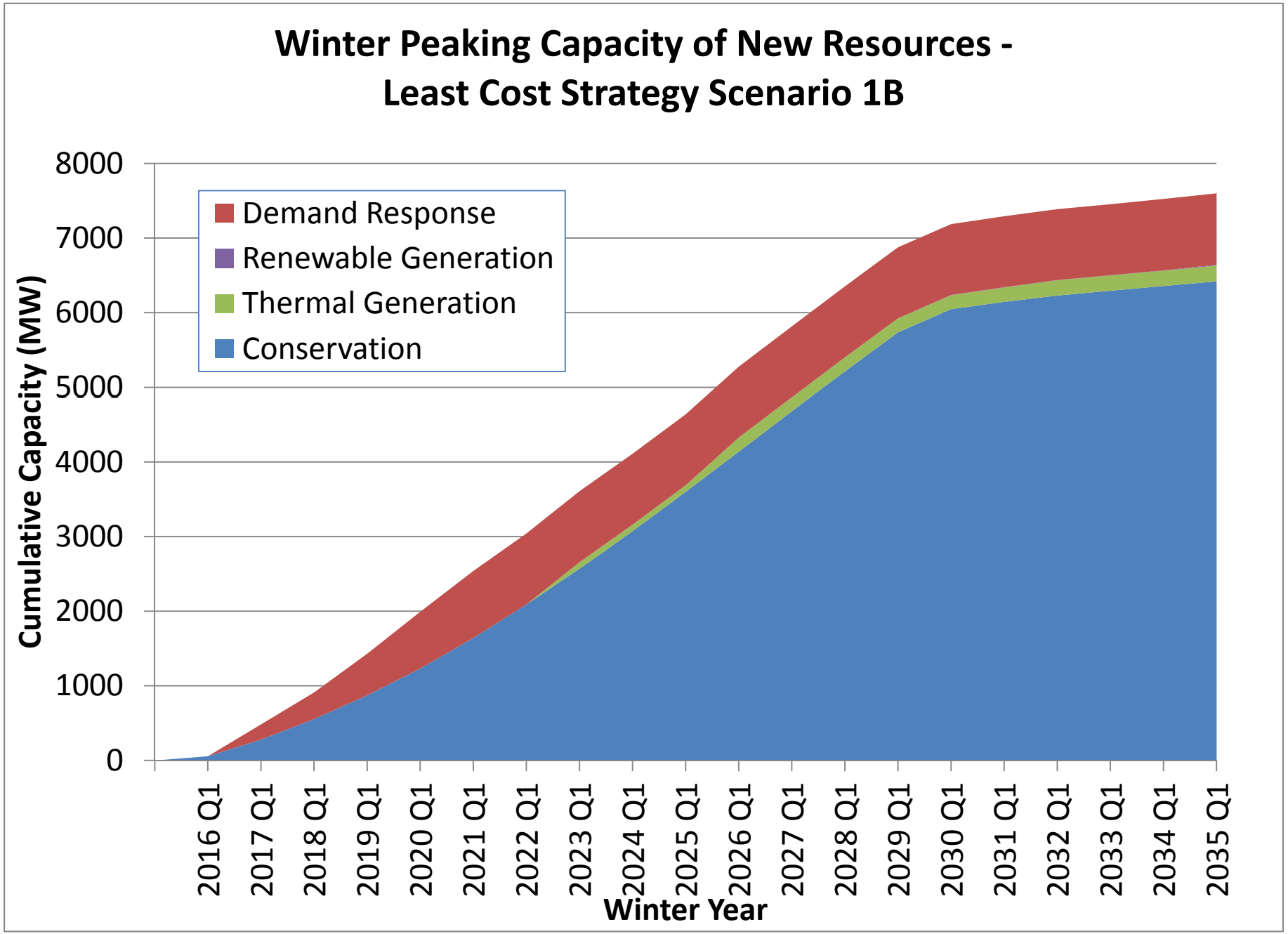
	2020 Q4	2035 Q3
Least Cost - Energy (aMW)	1,004	3,231
Least Risk - Energy (aMW)	1,174	3,824

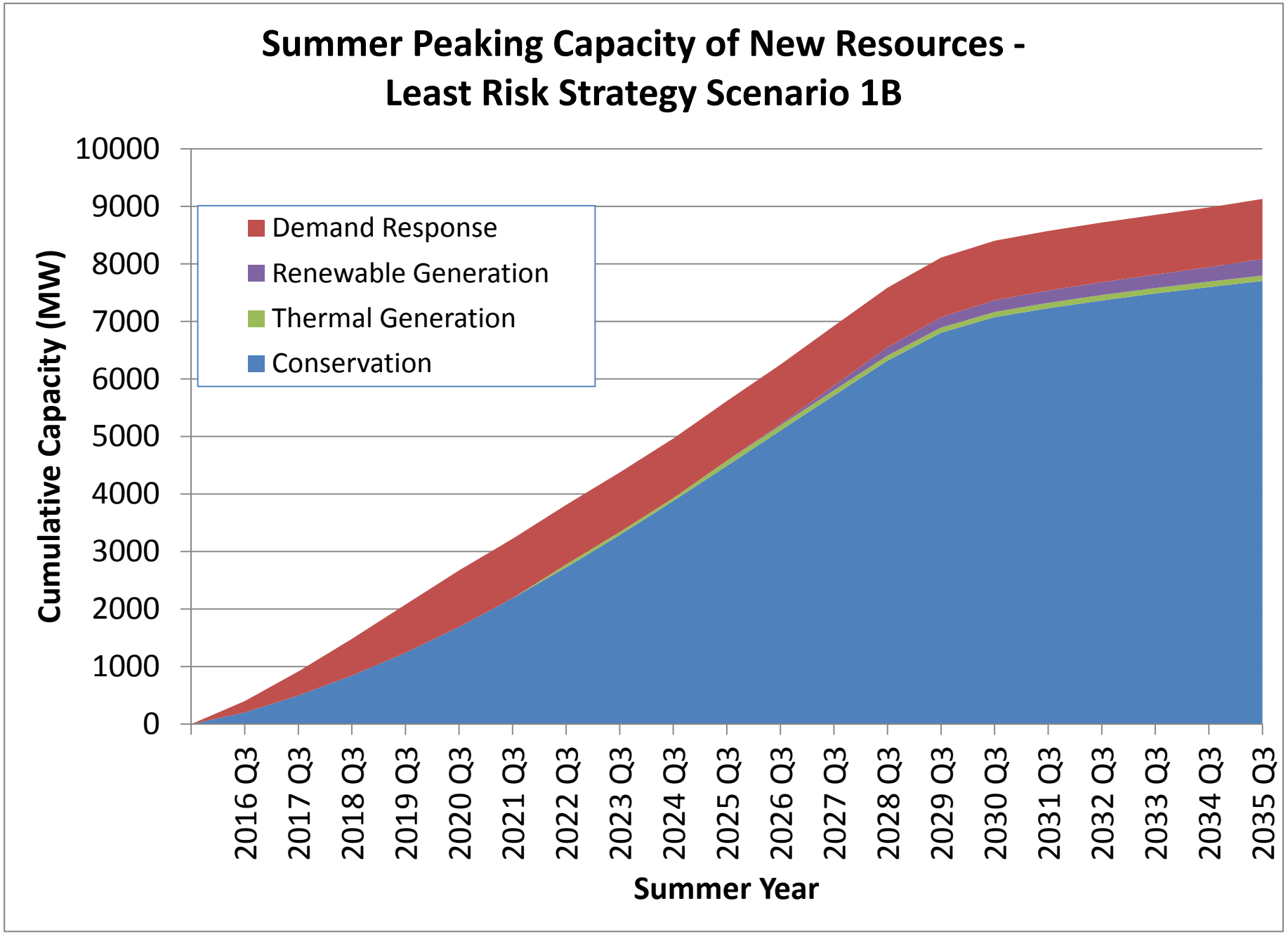

Cumulative Conservation (aMW) in 2035
Least Cost Strategy - Scenario 1B
Least Risk Strategy - Scenario 1B
Probability
3,352
3,388
3,423
3,459
3,495
3,530
3,566
3,601
3,637
3,673
3,708
3,744
3,779
3,815
3,851
3,886
3,922
3,957
3,993
4,029
4,064
4,100
4,136
4,171
4,207
Cumulative Conservation (aMW) in 2035

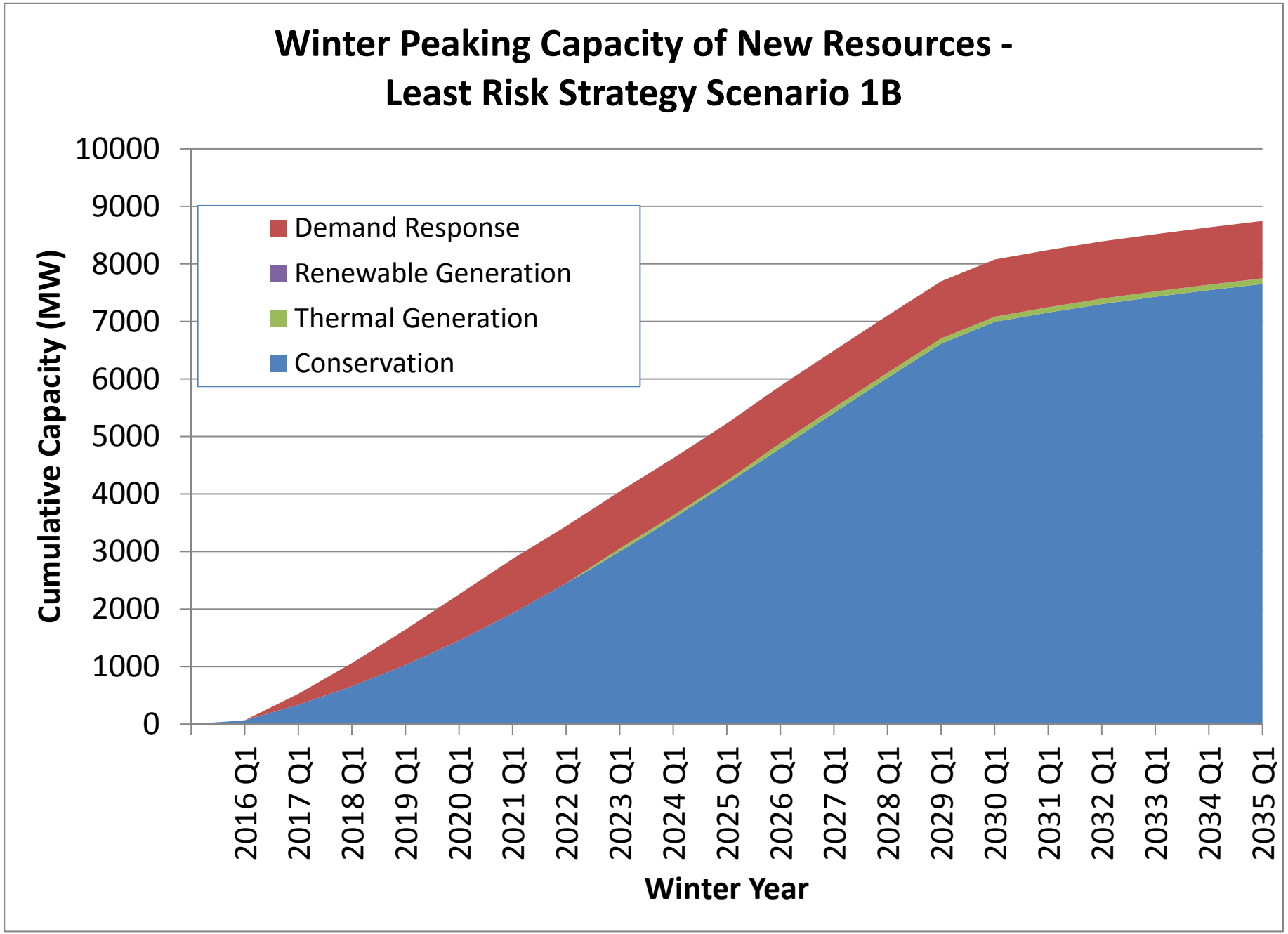

Total RPS Average Additions (aMW)
Least Cost Strategy - Scenario 1B
Least Risk Strategy - Scenario 1B
Energy (aMW)
25
20
15
10
5
-
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Year

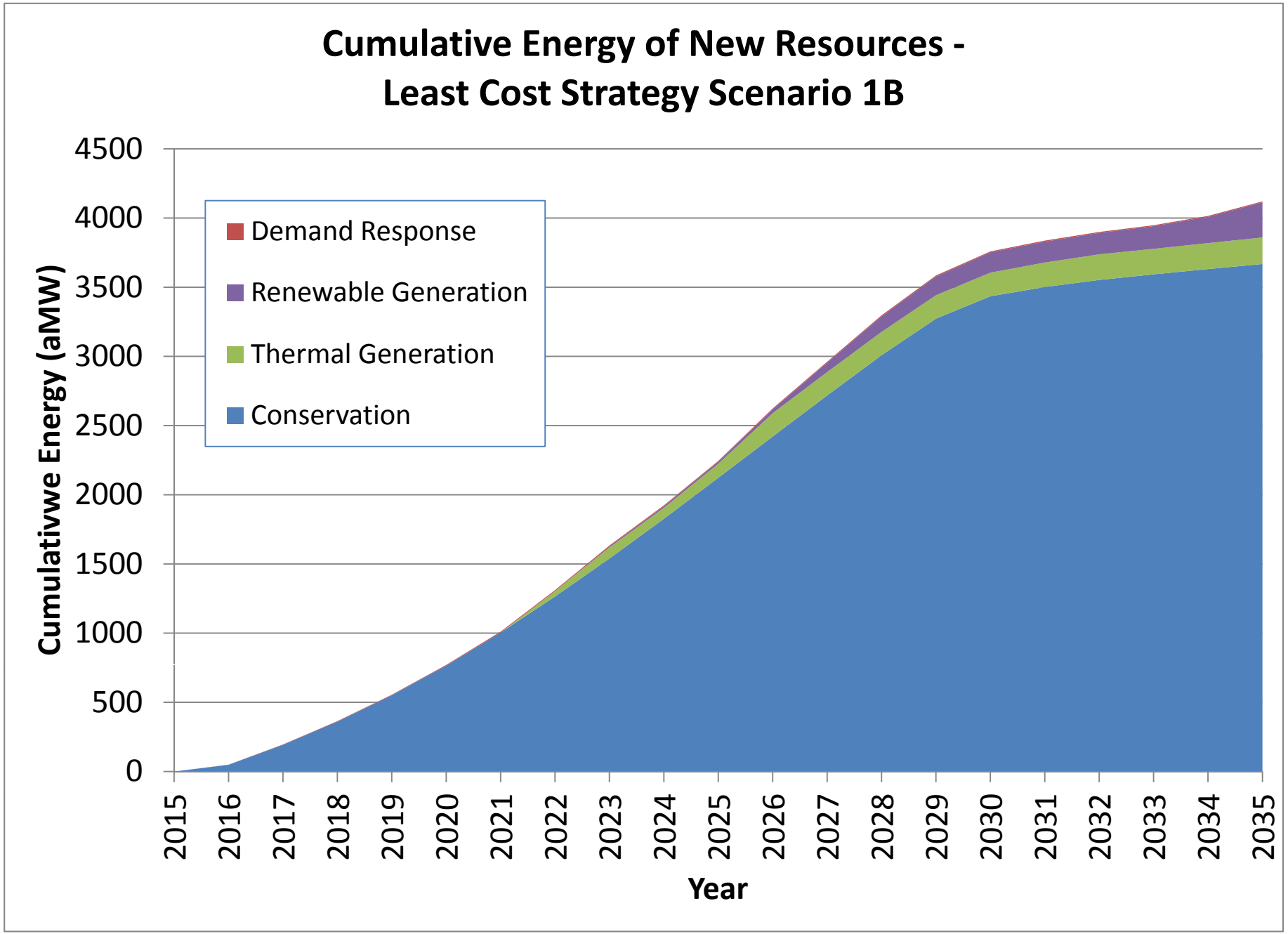

Total RPS Build (aMW) by Q4 2035
Probability
Least Cost - Scenario 1B
Least Risk - Scenario 1B
-198
-140
-81
-22
37
96
155
214
273
332
390
449
508
567
626
685
744
803
861
920
979
1,038
1,097
1,156
1,215
Total RPS Build (aMW)

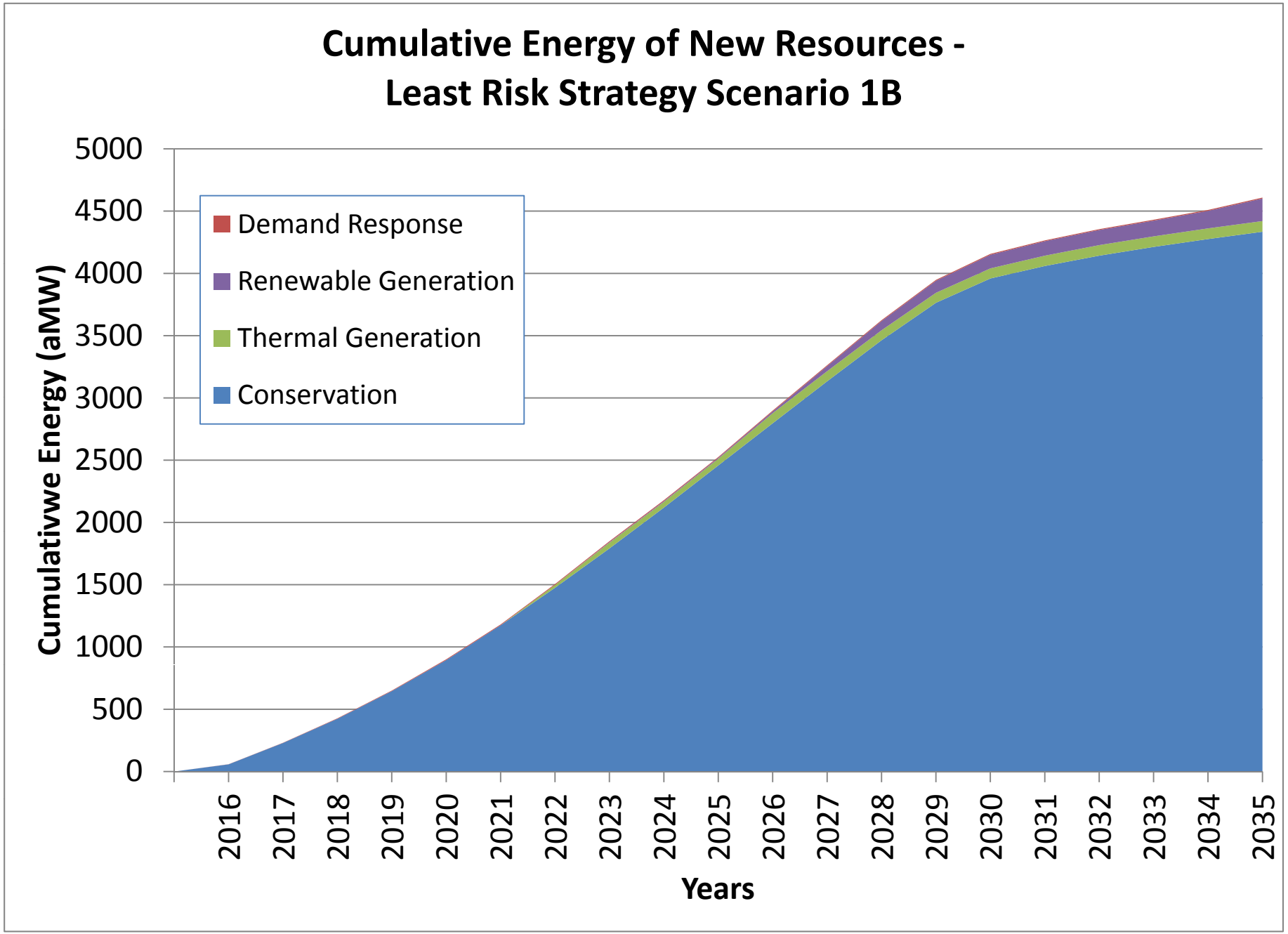

Summer Peaking Capacity of New Resources -
Least Cost Strategy Scenario 1B
Cumulative Capacity (MW)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Demand Response
Renewable Generation
Thermal Generation
Conservation
2016 Q3
2017 Q3
2018 Q3
2019 Q3
2020 Q3
2021 Q3
2022 Q3
2023 Q3
2024 Q3
2025 Q3
2026 Q3
2027 Q3
2028 Q3
2029 Q3
2030 Q3
2031 Q3
2032 Q3
2033 Q3
2034 Q3
2035 Q3
Summer Year

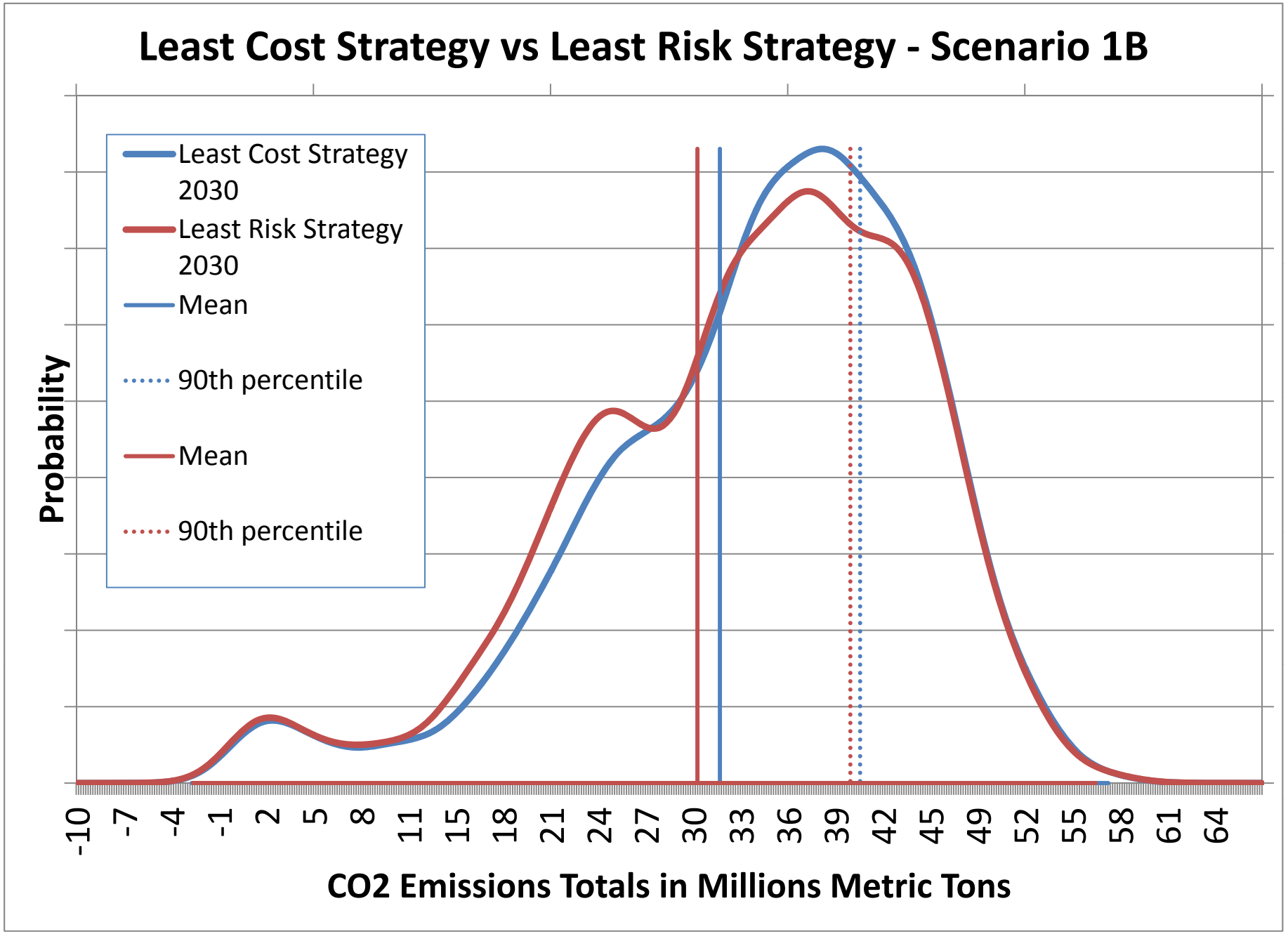

Winter Peaking Capacity of New Resources -
Least Cost Strategy Scenario 1B
Cumulative Capacity (MW)
8000
7000
6000
5000
4000
3000
2000
1000
0
Demand Response
Renewable Generation
Thermal Generation
Conservation
2016 Q1
2017 Q1
2018 Q1
2019 Q1
2020 Q1
2021 Q1
2022 Q1
2023 Q1
2024 Q1
2025 Q1
2026 Q1
2027 Q1
2028 Q1
2029 Q1
2030 Q1
2031 Q1
2032 Q1
2033 Q1
2034 Q1
2035 Q1
Winter Year

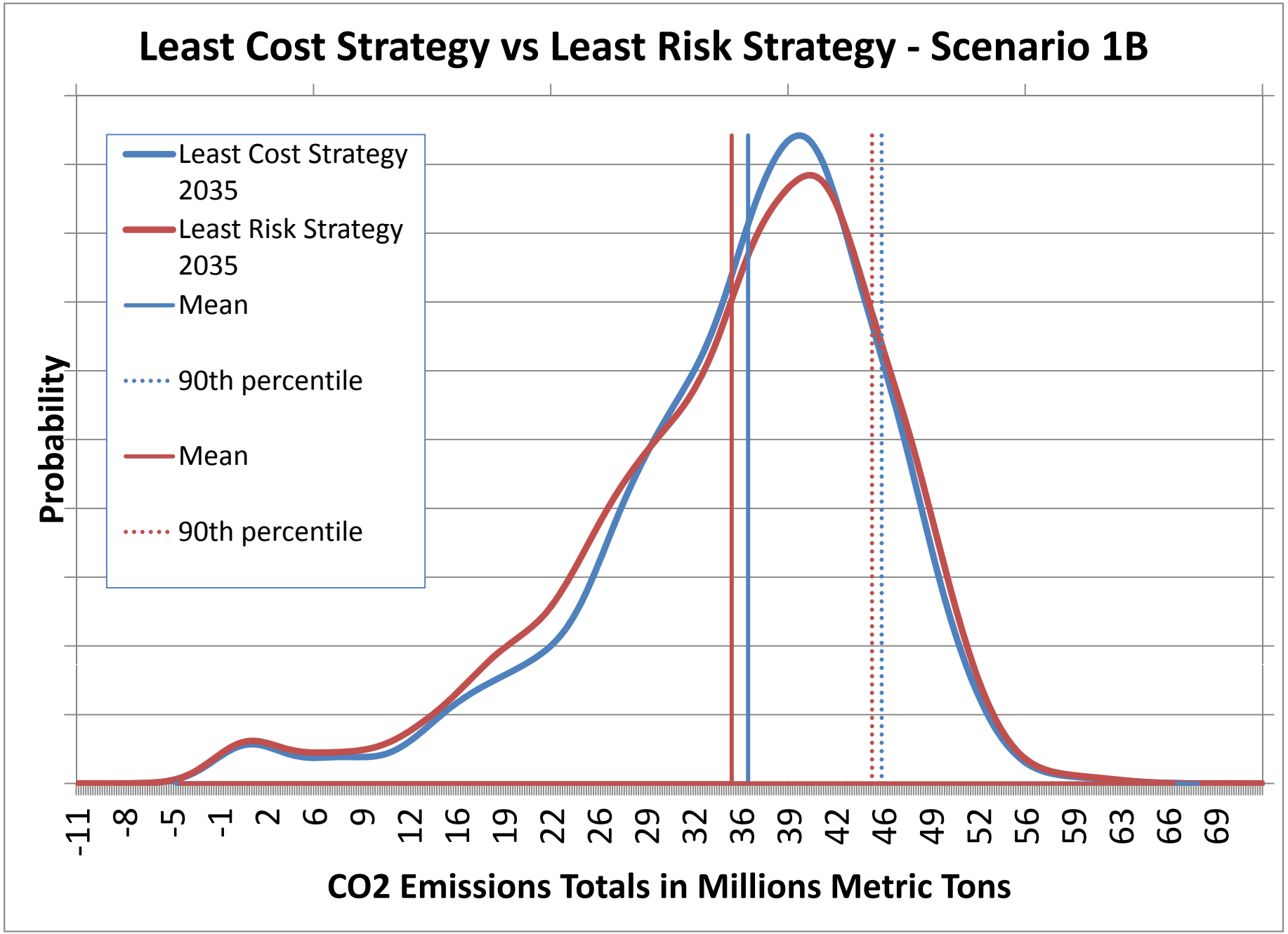

Summer Peaking Capacity of New Resources -
Least Risk Strategy Scenario 1B
Cumulative Capacity (MW)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Demand Response
Renewable Generation
Thermal Generation
Conservation
2016 Q3
2017 Q3
2018 Q3
2019 Q3
2020 Q3
2021 Q3
2022 Q3
2023 Q3
2024 Q3
2025 Q3
2026 Q3
2027 Q3
2028 Q3
2029 Q3
2030 Q3
2031 Q3
2032 Q3
2033 Q3
2034 Q3
2035 Q3
Summer Year

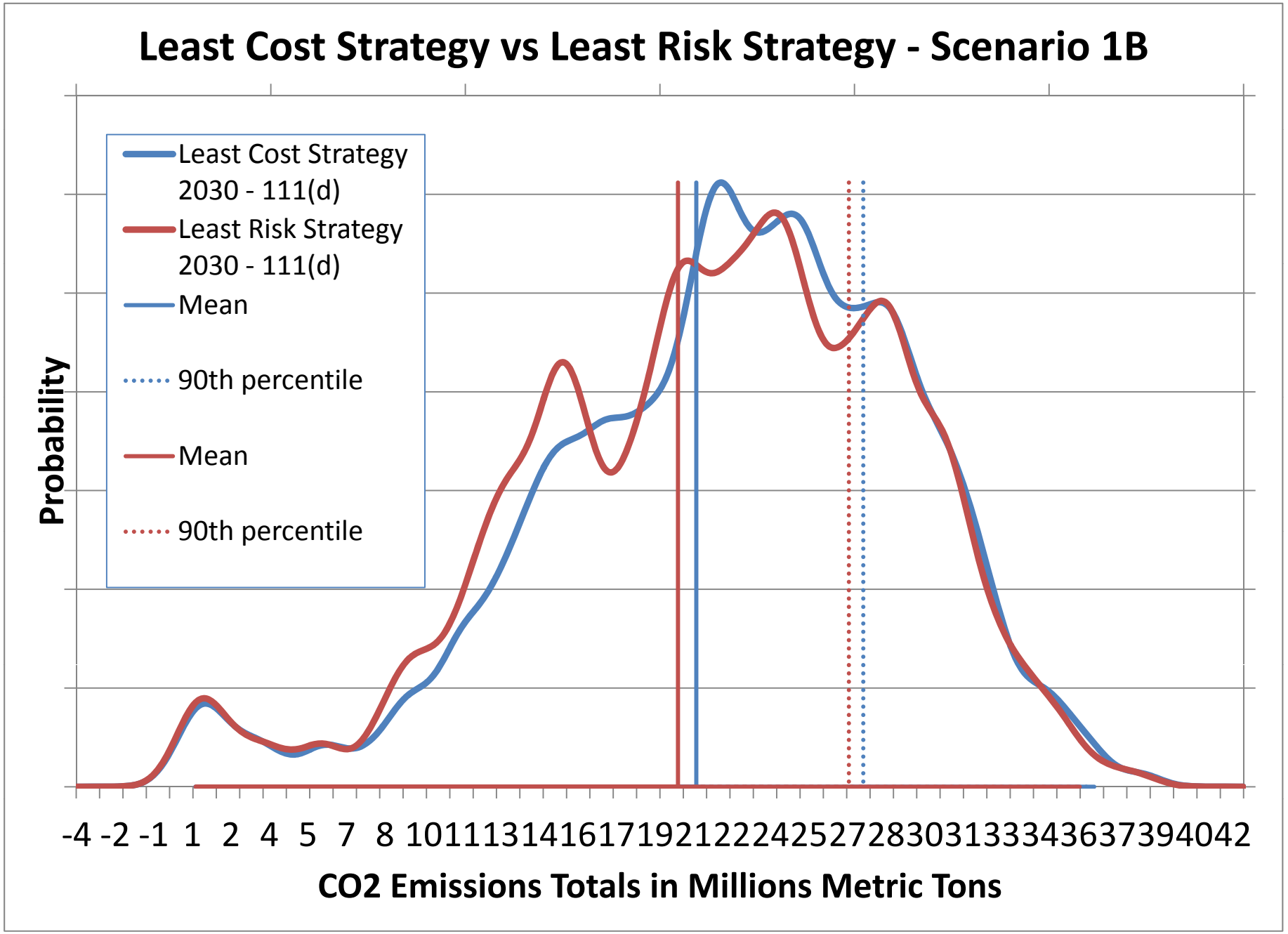

Winter Peaking Capacity of New Resources -
Least Risk Strategy Scenario 1B
Cumulative Capacity (MW)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Demand Response
Renewable Generation
Thermal Generation
Conservation
2016 Q1
2017 Q1
2018 Q1
2019 Q1
2020 Q1
2021 Q1
2022 Q1
2023 Q1
2024 Q1
2025 Q1
2026 Q1
2027 Q1
2028 Q1
2029 Q1
2030 Q1
2031 Q1
2032 Q1
2033 Q1
2034 Q1
2035 Q1
Winter Year

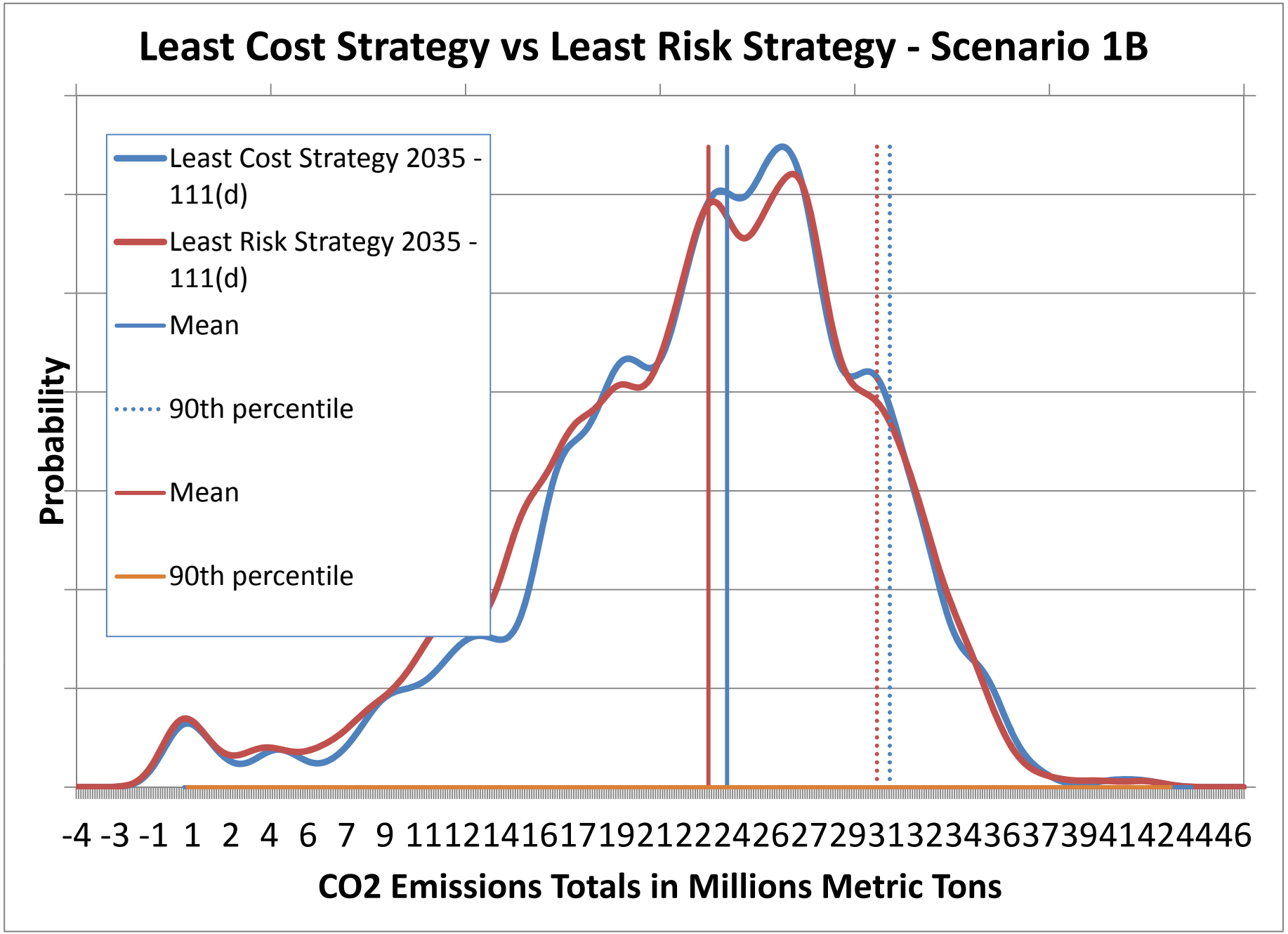

Cumulative Energy of New Resources -
Least Cost Strategy Scenario 1B
Cumulativwe Energy (aMW)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Demand Response
Renewable Generation
Thermal Generation
Conservation
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Year

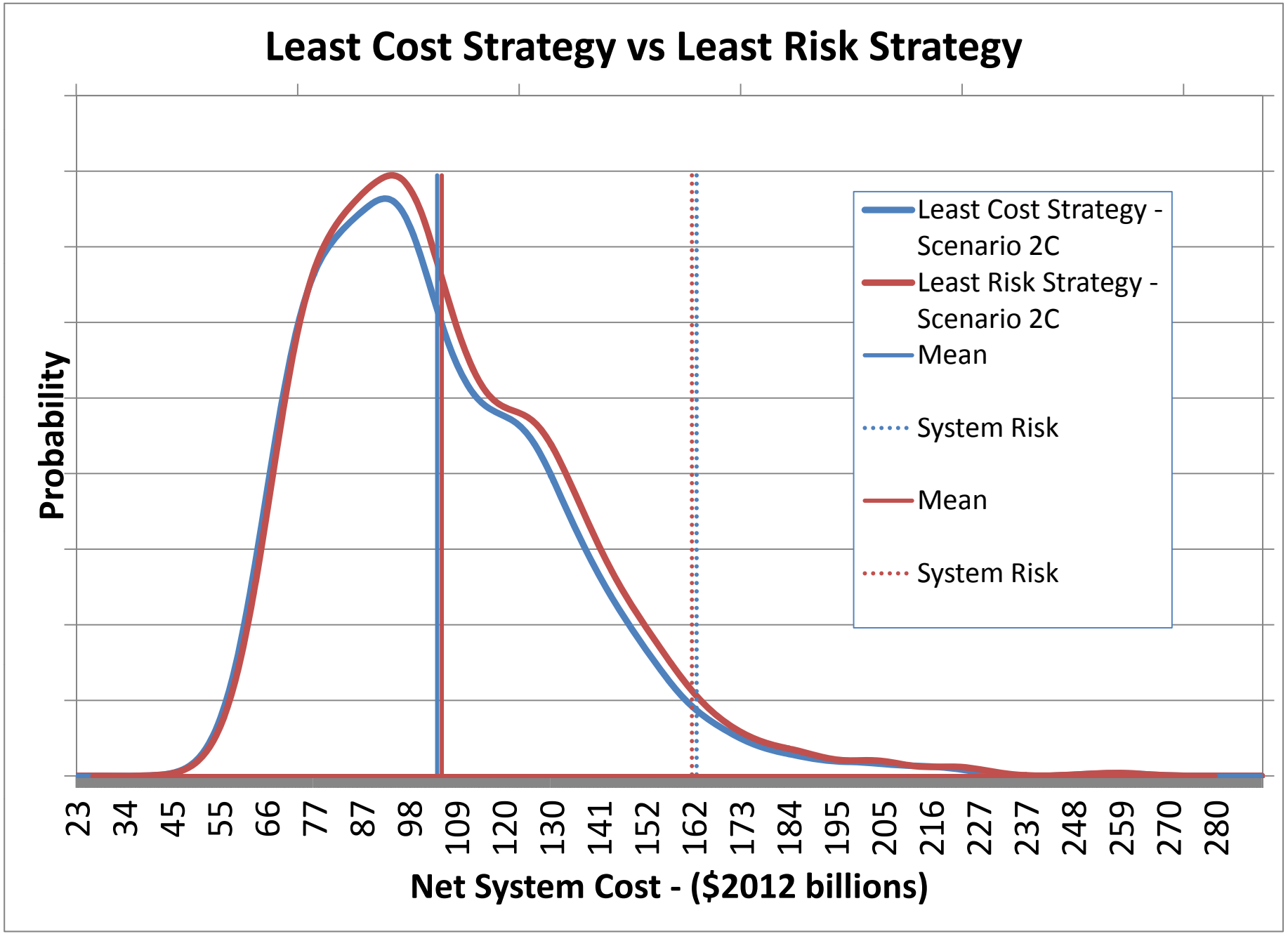

Cumulative Energy of New Resources -
Least Risk Strategy Scenario 1B
Cumulativwe Energy (aMW)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Demand Response
Renewable Generation
Thermal Generation
Conservation
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Years

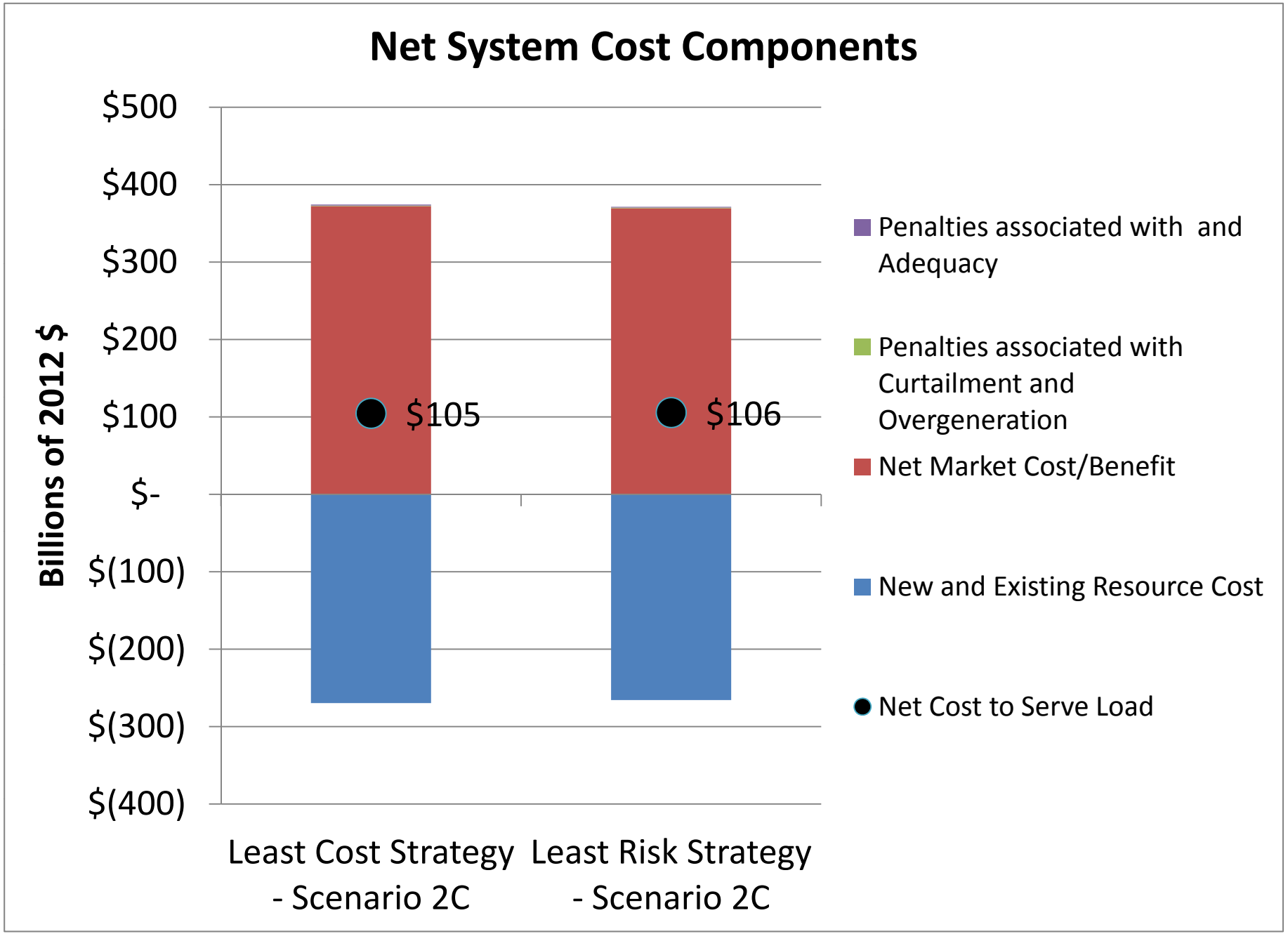

Least Cost Strategy vs Least Risk Strategy - Scenario 1B
Least Cost Strategy 2030
Least Risk Strategy 2030
Mean
90th percentile
Mean
90th percentile
Probability
-10
-7
-4
-1
2
5
8
11
15
18
21
24
27
30
33
36
39
42
45
49
52
55
58
61
64
CO2 Emissions Totals in Millions Metric Tons


Least Cost Strategy vs Least Risk Strategy - Scenario 1B
Least Cost Strategy 2035
Least Risk Strategy 2035
Mean
90th percentile
Mean
90th percentile
Probability
-11
-8
-5
-1
2
6
9
12
16
19
22
26
29
32
36
39
42
46
49
52
56
59
63
66
69
CO2 Emissions Totals in Millions Metric Tons

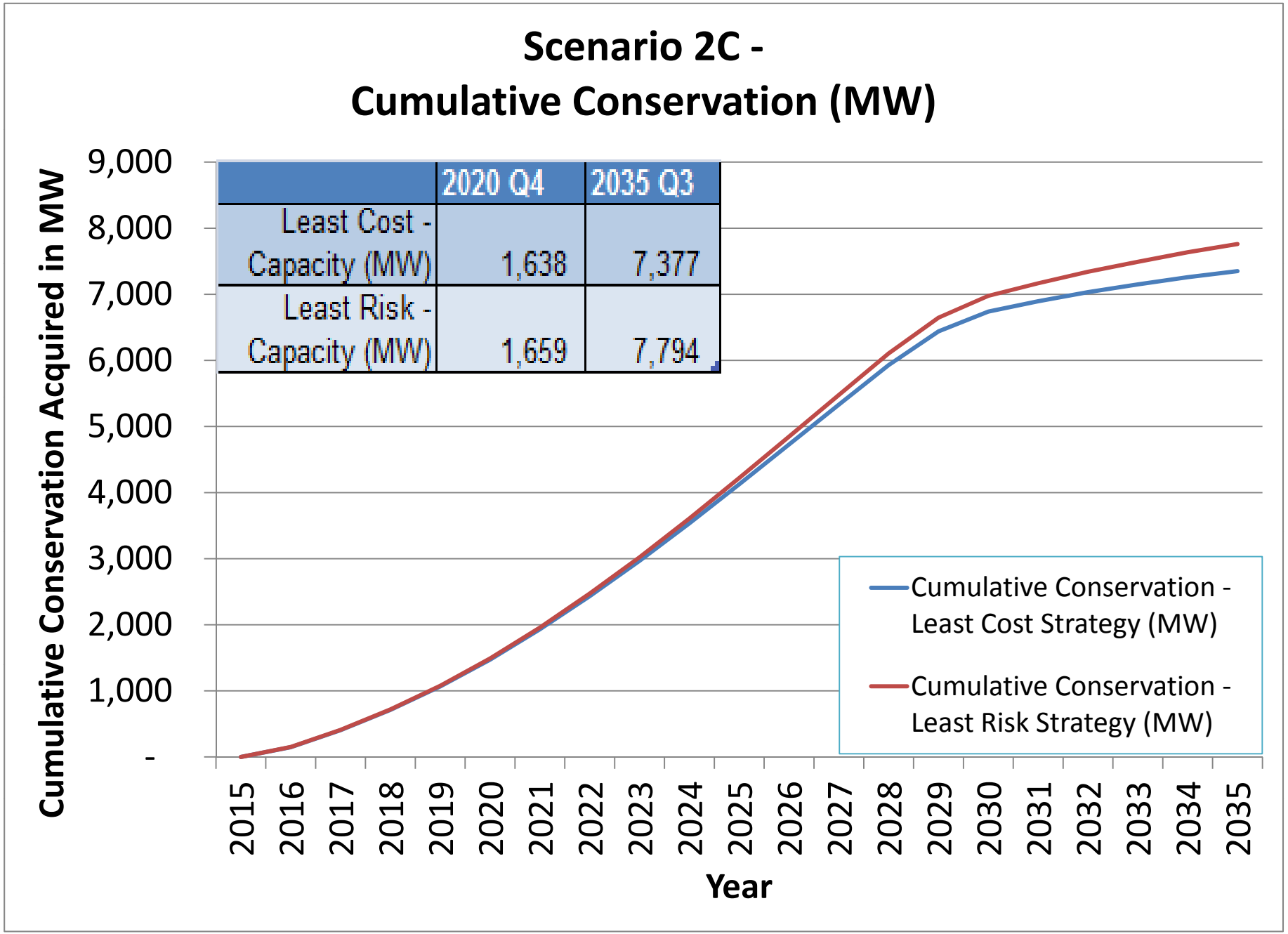

Least Cost Strategy vs Least Risk Strategy - Scenario 1B
Least Cost Strategy 2030 - 111(d)
Least Risk Strategy 2030 - 111(d)
Mean
90th percentile
Mean
90th percentile
Probability
-4 -2 -1 1 2 4 5 7 8 10 11 13 14 16 17 19 21 22 24 25 27 28 30 31 33 34 36 37 39 40 42
CO2 Emissions Totals in Millions Metric Tons


Least Cost Strategy vs Least Risk Strategy - Scenario 1B
Least Cost Strategy 2035 - 111(d)
Least Risk Strategy 2035 - 111(d)
Mean
90th percentile
Mean
90th percentile
Probability
-4 -3 -1 1 2 4 6 7 9 11 12 14 16 17 19 21 22 24 26 27 29 31 32 34 36 37 39 41 42 44 46
CO2 Emissions Totals in Millions Metric Tons


Least Cost Strategy vs Least Risk Strategy
Probability
Net System Cost - ($2012 billions)
23
34
45
55
66
77
87
98
109
120
130
141
152
162
173
184
195
205
216
227
237
248
259
270
280
Least Cost Strategy - Scenario 2C
Least Risk Strategy - Scenario 2C
Mean
System Risk
Mean
System Risk

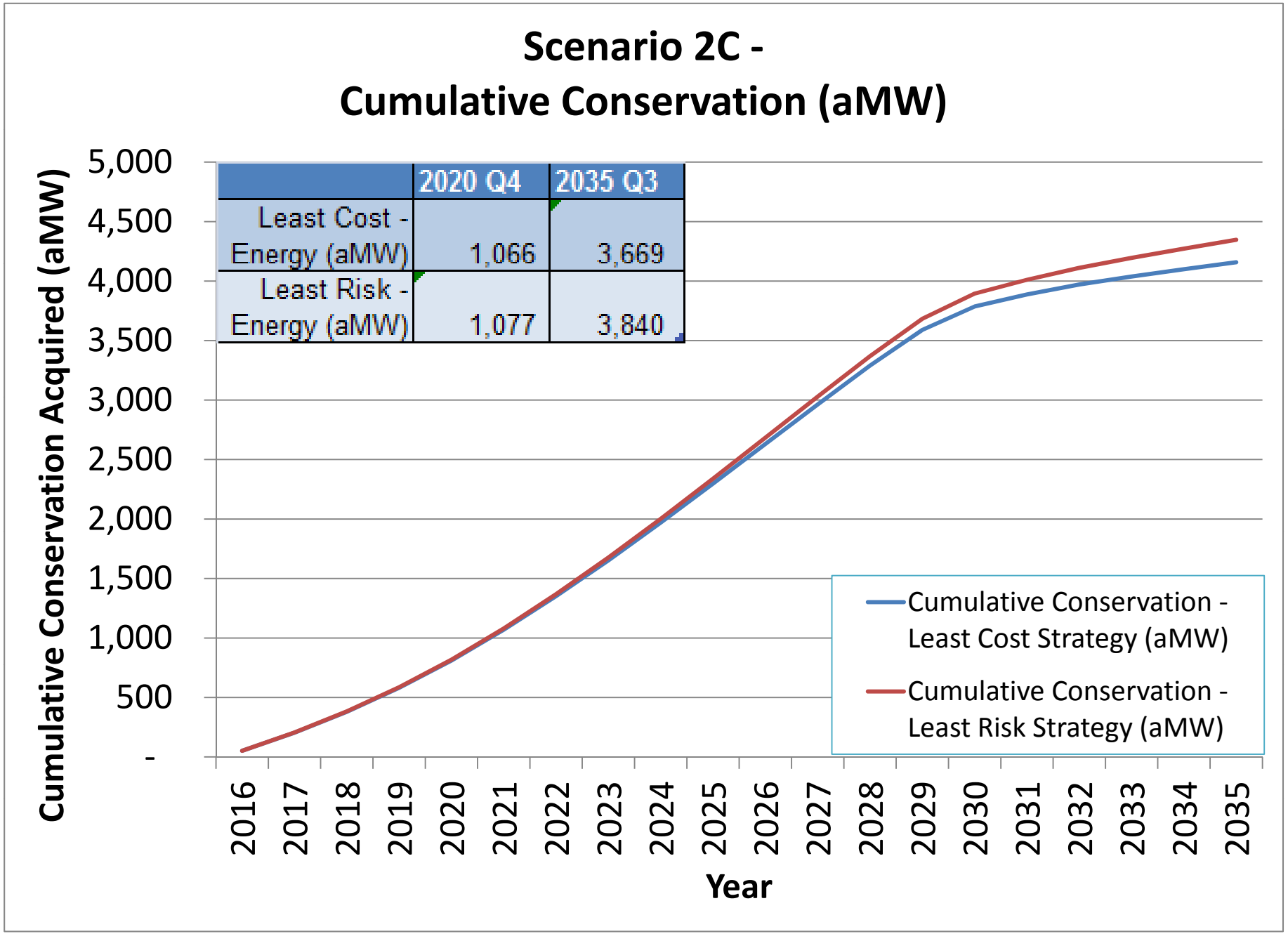

Net System Cost Components
Billions of 2012 $
$500
$400
$300
$200
$100
$-
$(100)
$(200)
$(300)
$(400)
$105
$106
Least Cost Strategy - Scenario 2C
Least Risk Strategy - Scenario 2C
Penalties associated with and Adequacy
Penalties associated with Curtailment and Overgeneration
Net Market Cost/Benefit
New and Existing Resource Cost
Net Cost to Serve Load

Scenario 2C - Cumulative Conservation (MW)

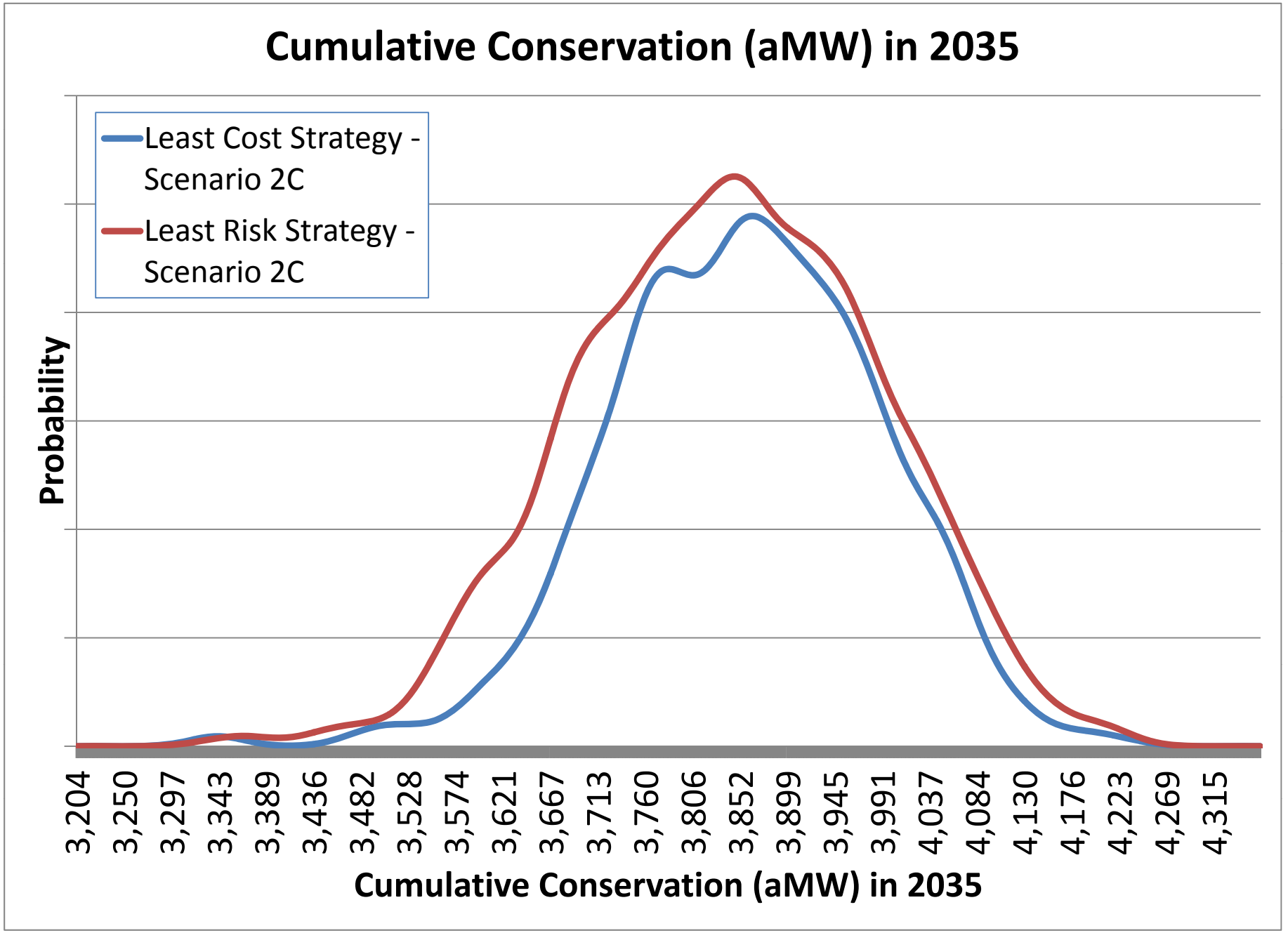


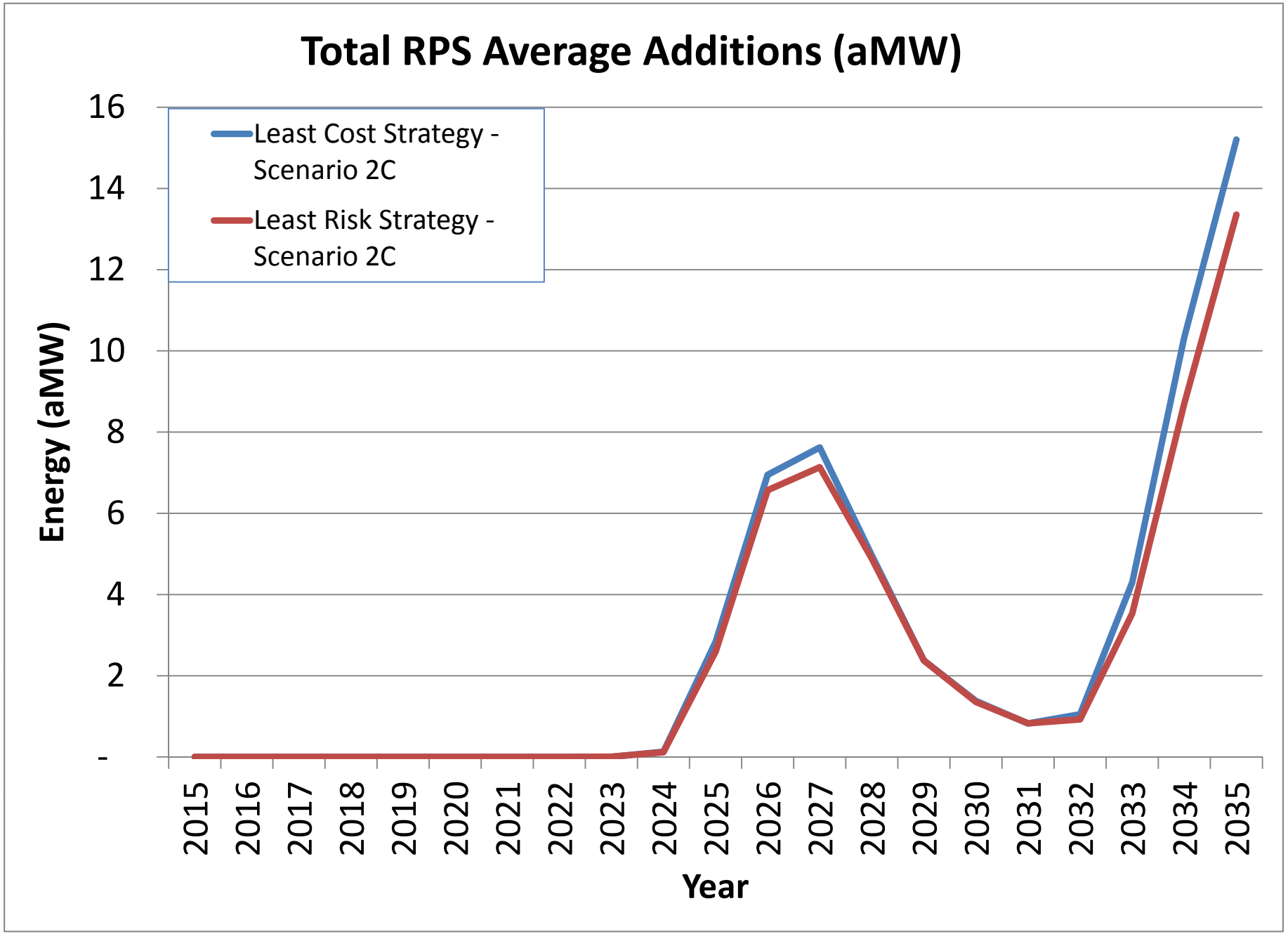
	2020 Q4	2035 Q3
Least Cost - Capacity (MW)	1,638	7,377
Least Risk - Capacity (MW)	1,659	7,794

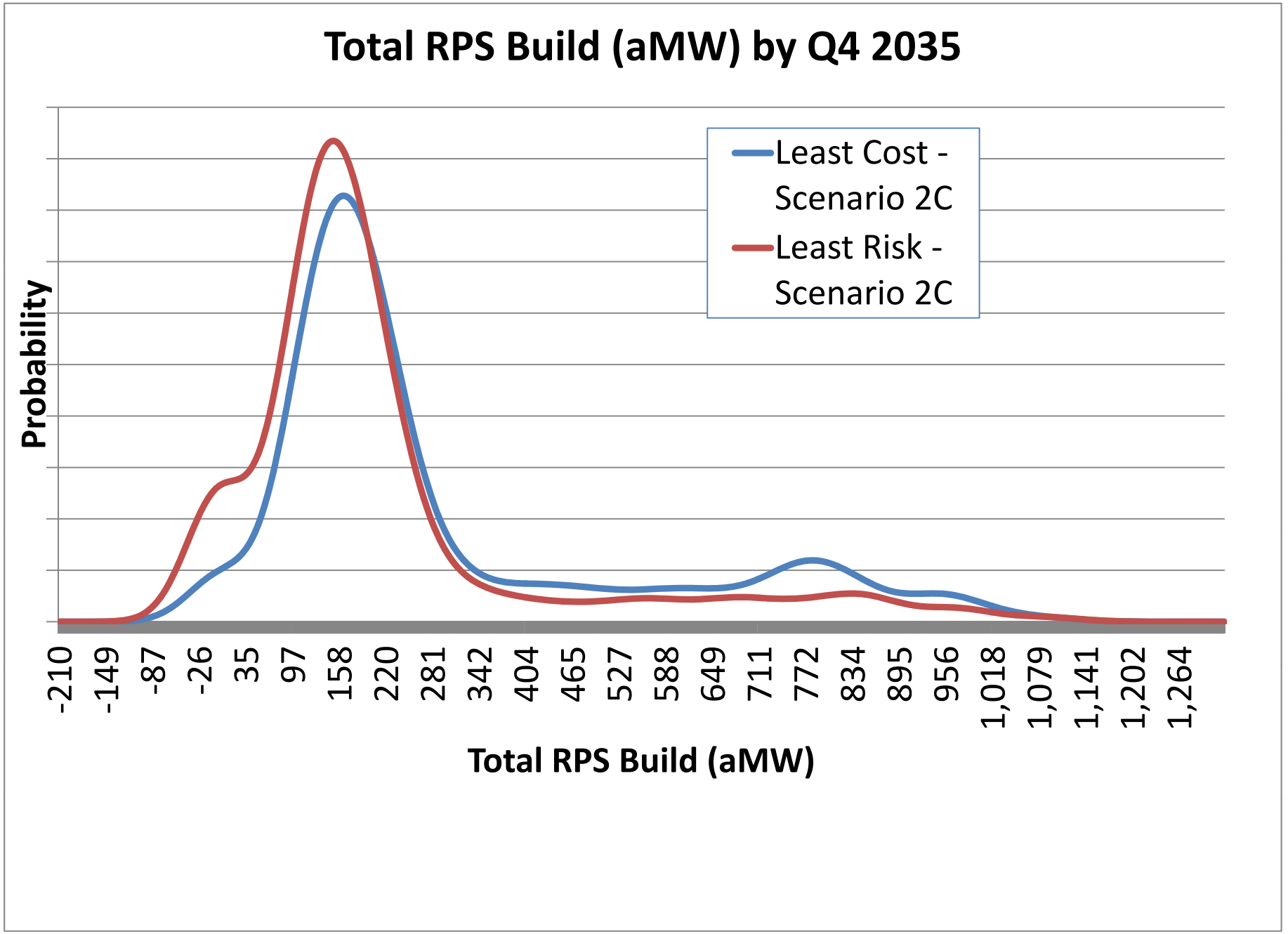
Scenario 2C - Cumulative Conservation (aMW)

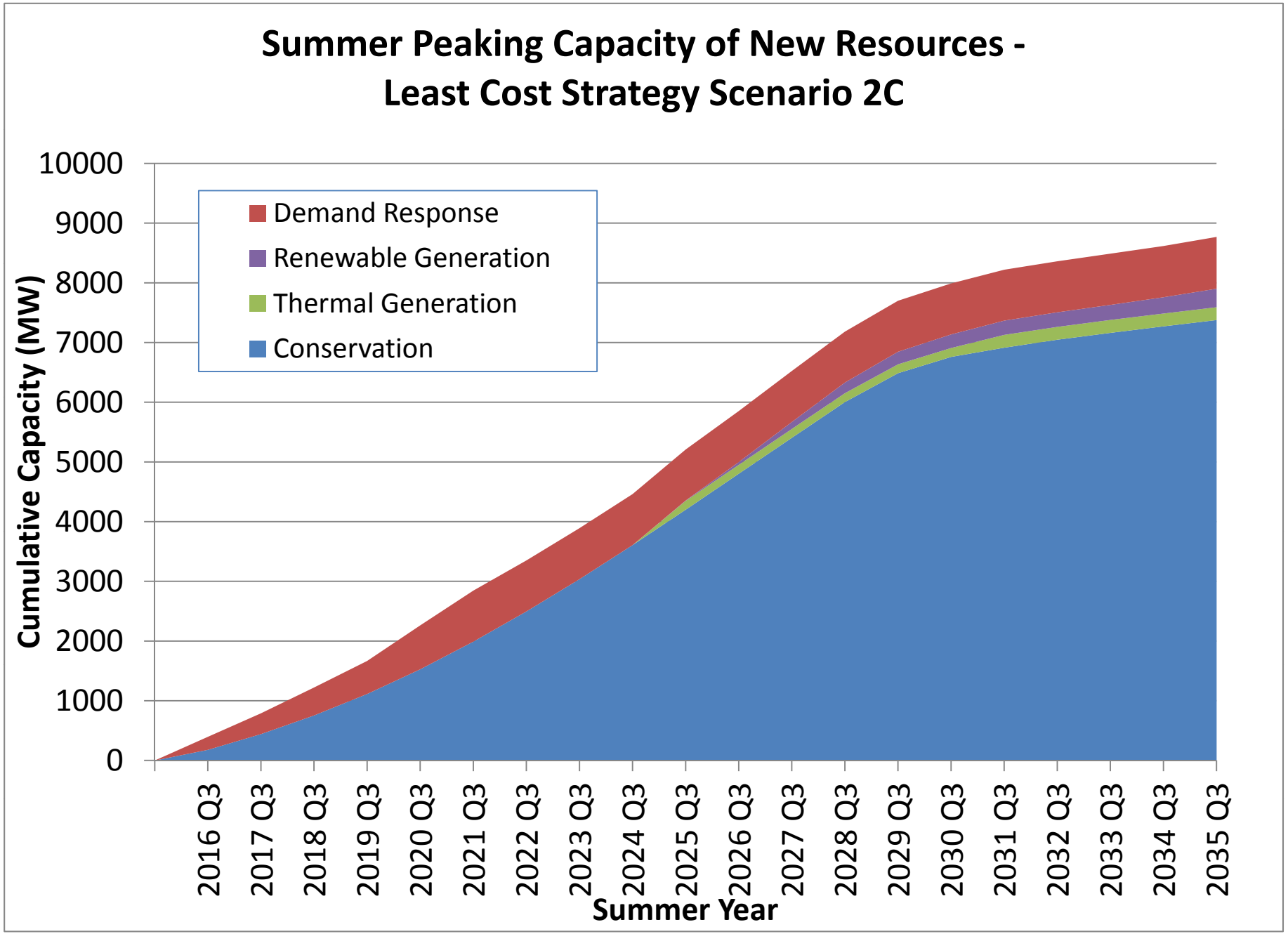


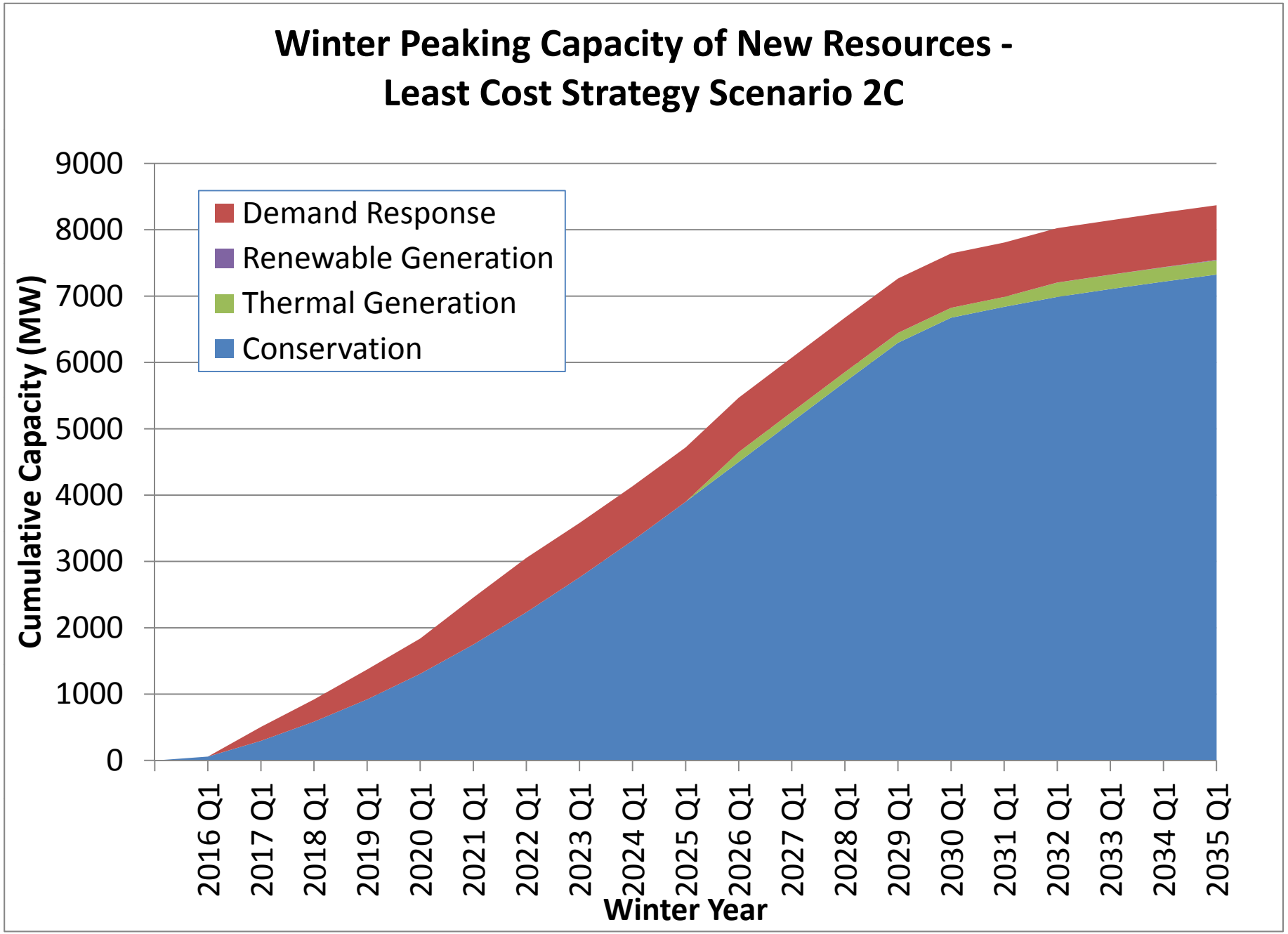
	2020 Q4	2035 Q3
Least Cost - Energy (aMW)	1,066	3,669
Least Risk - Energy (aMW)	1,077	3,840

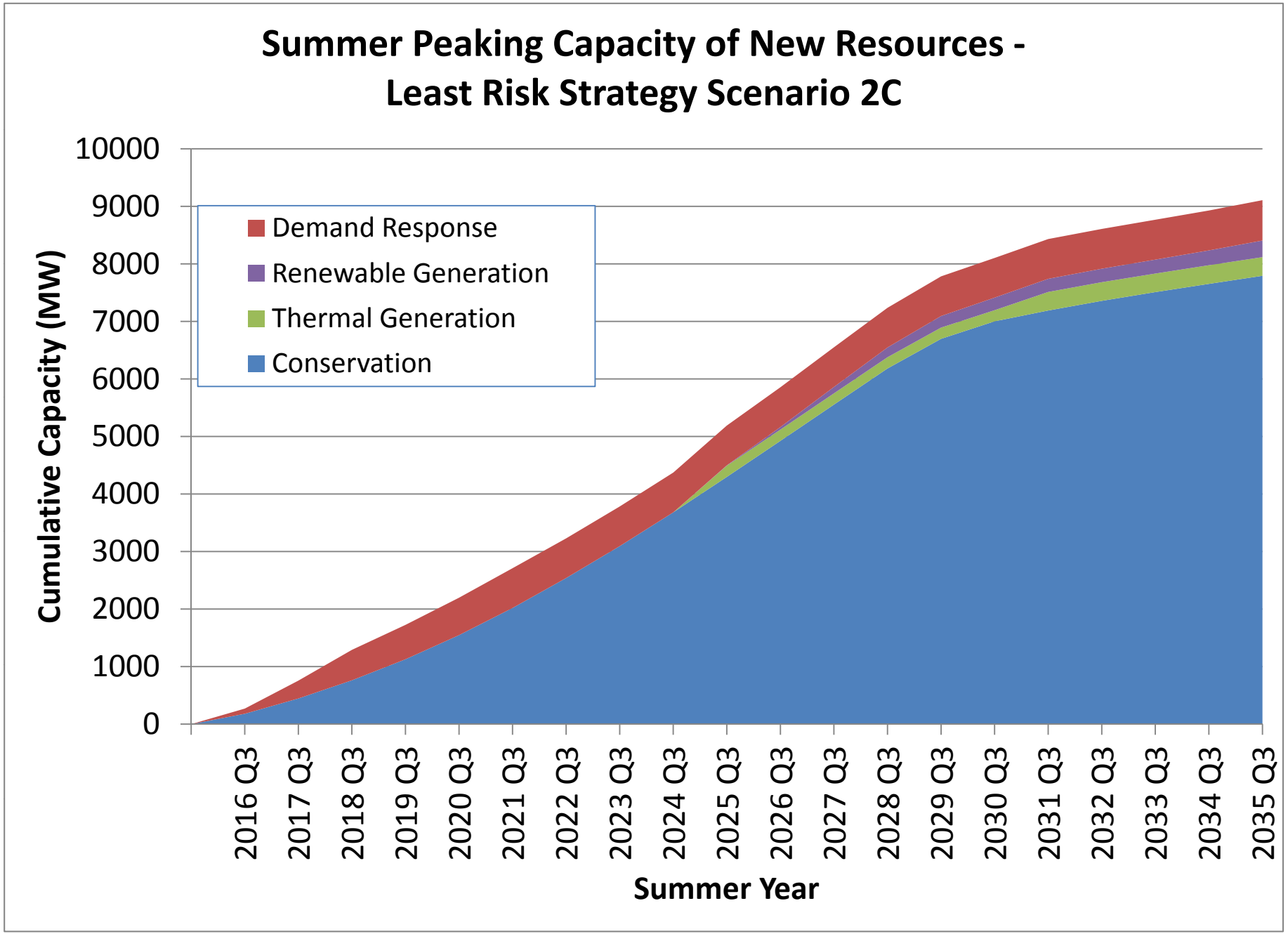

Cumulative Conservation (aMW) in 2035
Least Cost Strategy - Scenario 2C
Least Risk Strategy - Scenario 2C
Probability
3,204
3,250
3,297
3,343
3,389
3,436
3,482
3,528
3,574
3,621
3,667
3,713
3,760
3,806
3,852
3,899
3,945
3,991
4,037
4,084
4,130
4,176
4,223
4,269
4,315
Cumulative Conservation (aMW) in 2035

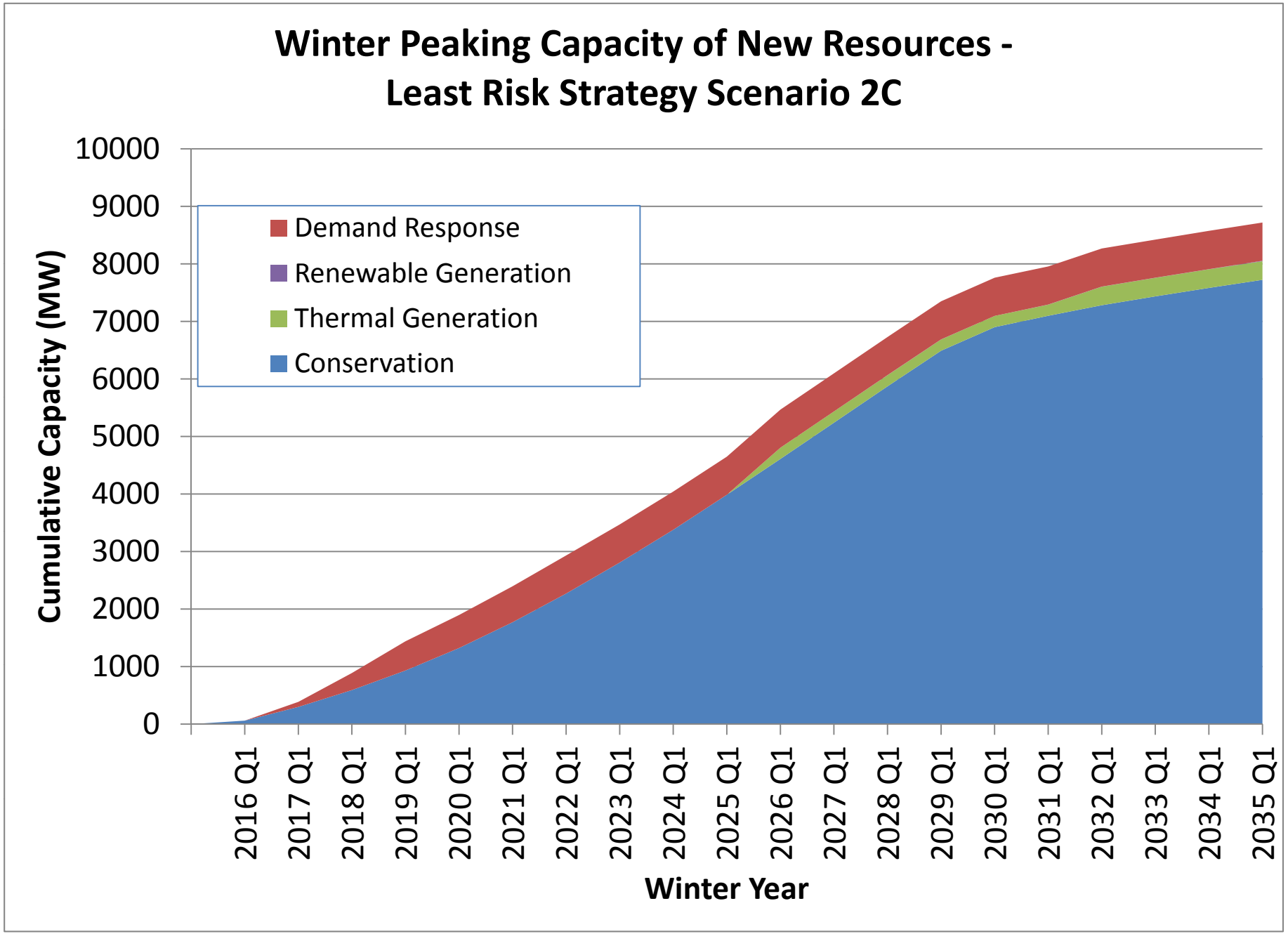

Total RPS Average Additions (aMW)
Least Cost Strategy - Scenario 2C
Least Risk Strategy - Scenario 2C
Energy (aMW)
16
14
12
10
8
6
4
2
-
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Year

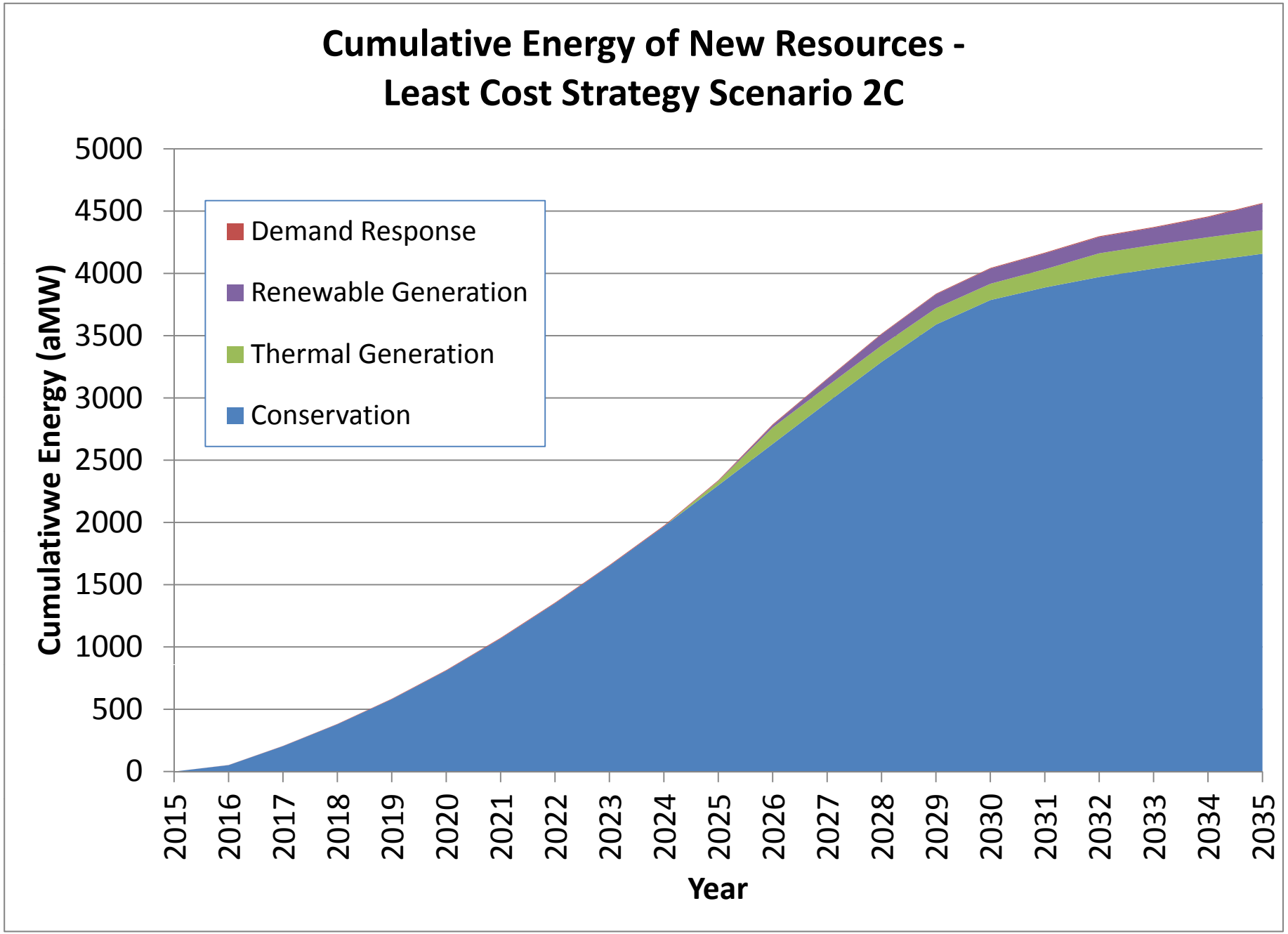

Total RPS Build (aMW) by Q4 2035
Probability
Least Cost - Scenario 2C
Least Risk - Scenario 2C
-210
-149
-87
-26
35
97
158
220
281
342
404
465
527
588
649
711
772
834
895
956
1,018
1,079
1,141
1,202
1,264
Total RPS Build (aMW)

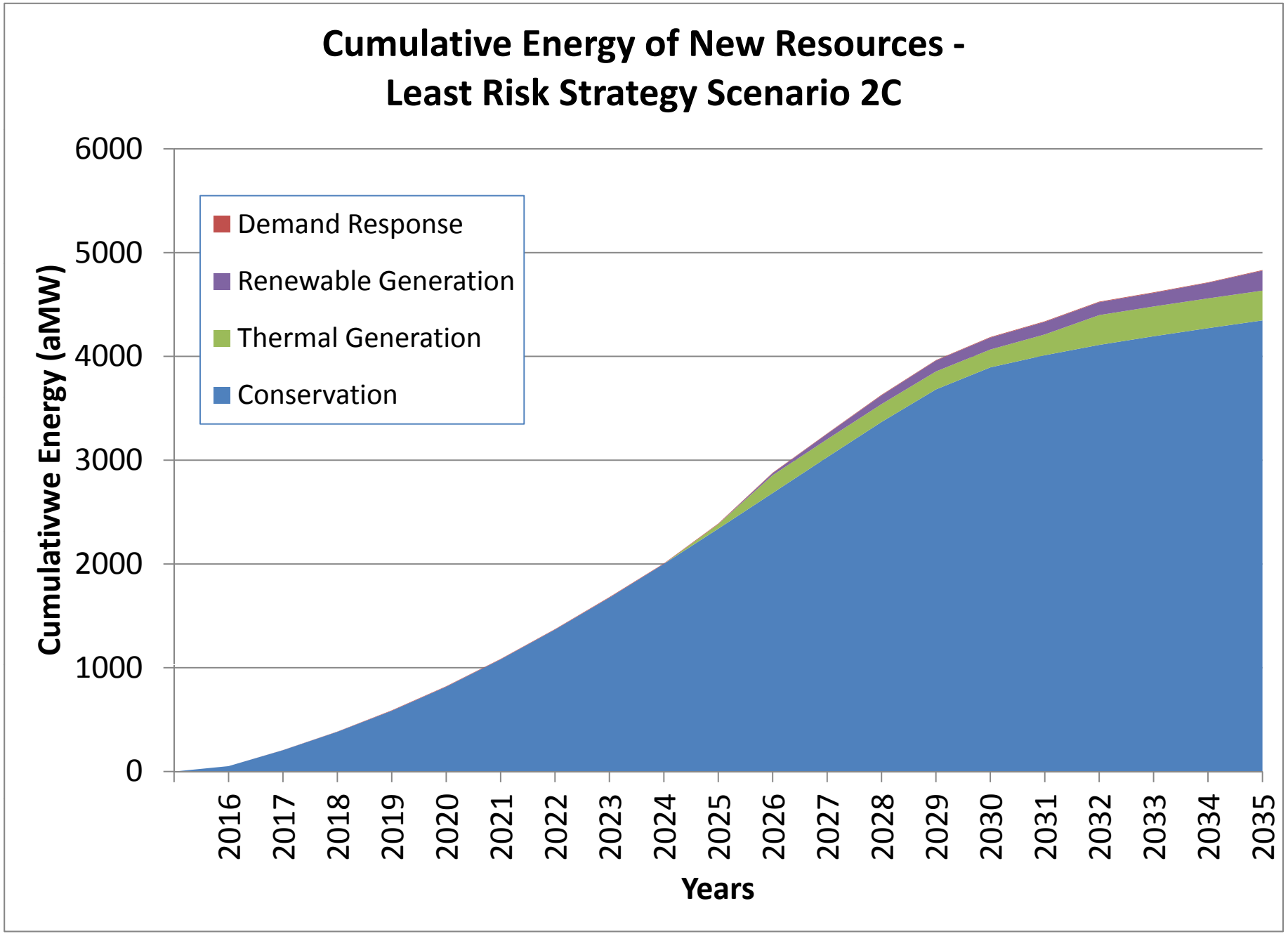

Summer Peaking Capacity of New Resources -
Least Cost Strategy Scenario 2C
Demand Response
Renewable Generation
Thermal Generation
Conservation
Cumulative Capacity (MW)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2016 Q3
2017 Q3
2018 Q3
2019 Q3
2020 Q3
2021 Q3
2022 Q3
2023 Q3
2024 Q3
2025 Q3
2026 Q3
2027 Q3
2028 Q3
2029 Q3
2030 Q3
2031 Q3
2032 Q3
2033 Q3
2034 Q3
2035 Q3
Summer Year

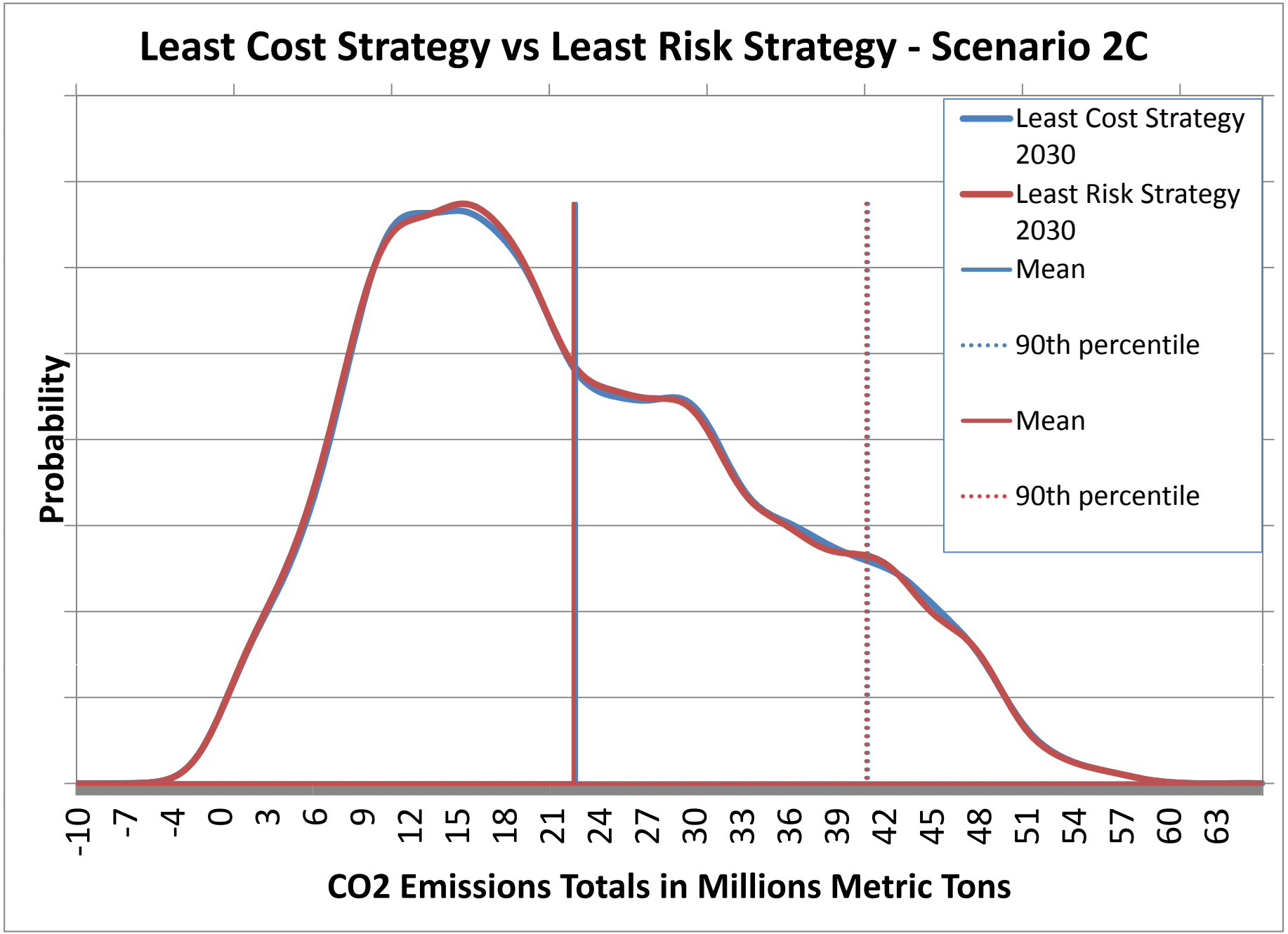

Winter Peaking Capacity of New Resources -
Least Cost Strategy Scenario 2C
Demand Response
Renewable Generation
Thermal Generation
Conservation
Cumulative Capacity (MW)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2016 Q1
2017 Q1
2018 Q1
2019 Q1
2020 Q1
2021 Q1
2022 Q1
2023 Q1
2024 Q1
2025 Q1
2026 Q1
2027 Q1
2028 Q1
2029 Q1
2030 Q1
2031 Q1
2032 Q1
2033 Q1
2034 Q1
2035 Q1
Winter Year

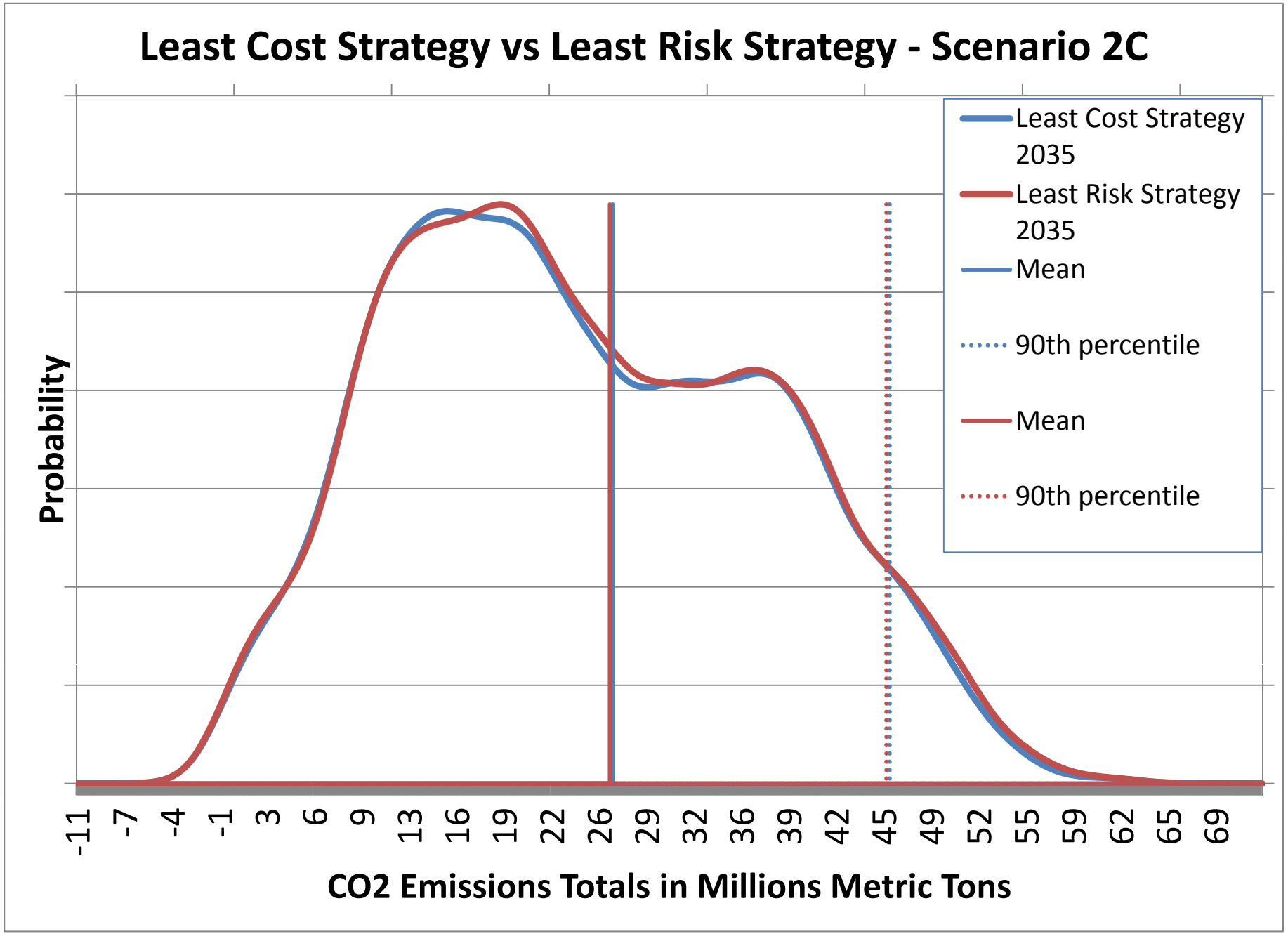

Summer Peaking Capacity of New Resources -
Least Risk Strategy Scenario 2C
Cumulative Capacity (MW)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Demand Response
Renewable Generation
Thermal Generation
Conservation
2016 Q3
2017 Q3
2018 Q3
2019 Q3
2020 Q3
2021 Q3
2022 Q3
2023 Q3
2024 Q3
2025 Q3
2026 Q3
2027 Q3
2028 Q3
2029 Q3
2030 Q3
2031 Q3
2032 Q3
2033 Q3
2034 Q3
2035 Q3
Summer Year

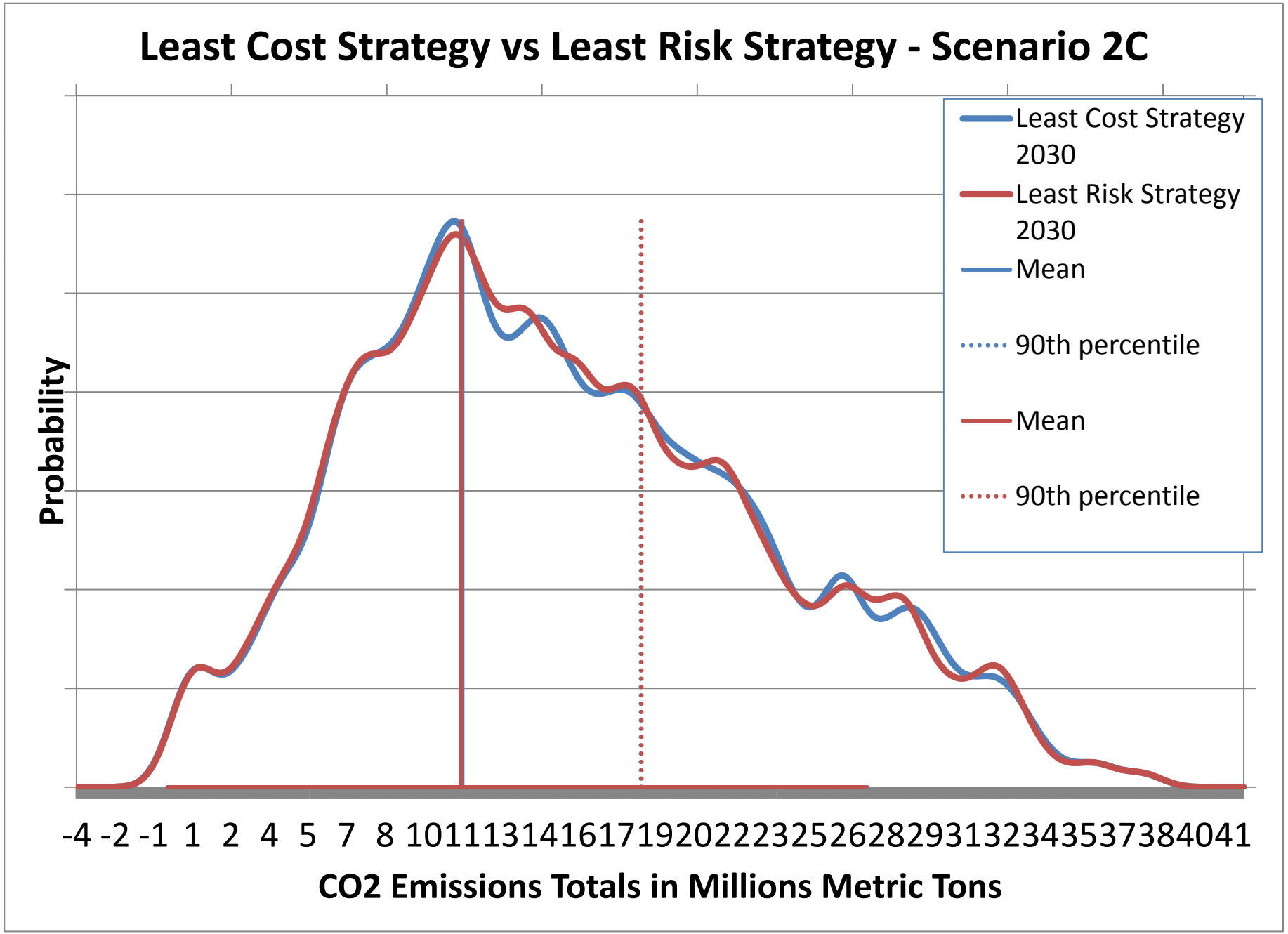

Winter Peaking Capacity of New Resources -
Least Risk Strategy Scenario 2C
Cumulative Capacity (MW)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Demand Response
Renewable Generation
Thermal Generation
Conservation
2016 Q1
2017 Q1
2018 Q1
2019 Q1
2020 Q1
2021 Q1
2022 Q1
2023 Q1
2024 Q1
2025 Q1
2026 Q1
2027 Q1
2028 Q1
2029 Q1
2030 Q1
2031 Q1
2032 Q1
2033 Q1
2034 Q1
2035 Q1
Winter Year

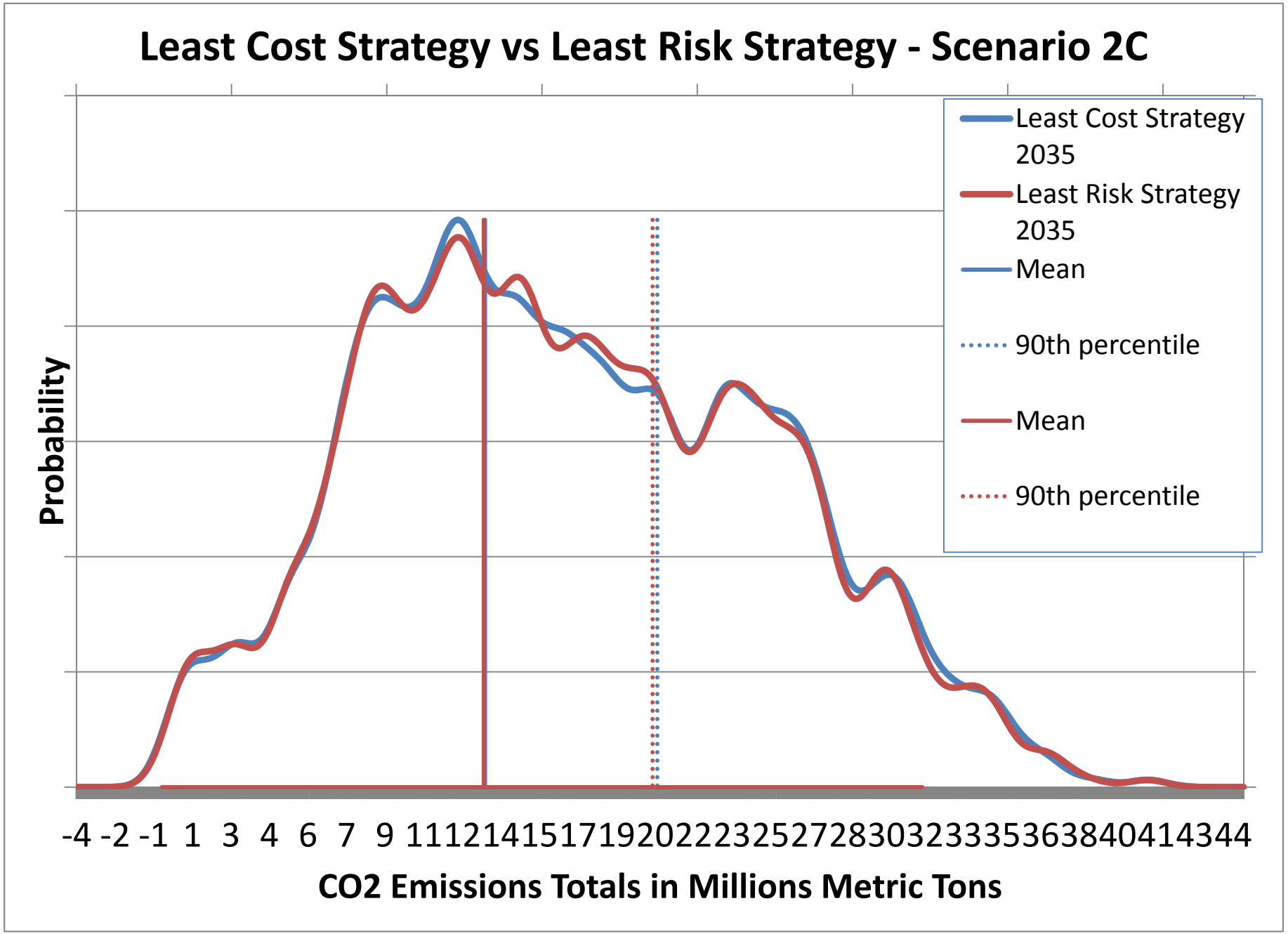

Cumulative Energy of New Resources -
Least Cost Strategy Scenario 2C
Cumulativwe Energy (aMW)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Demand Response
Renewable Generation
Thermal Generation
Conservation
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Year

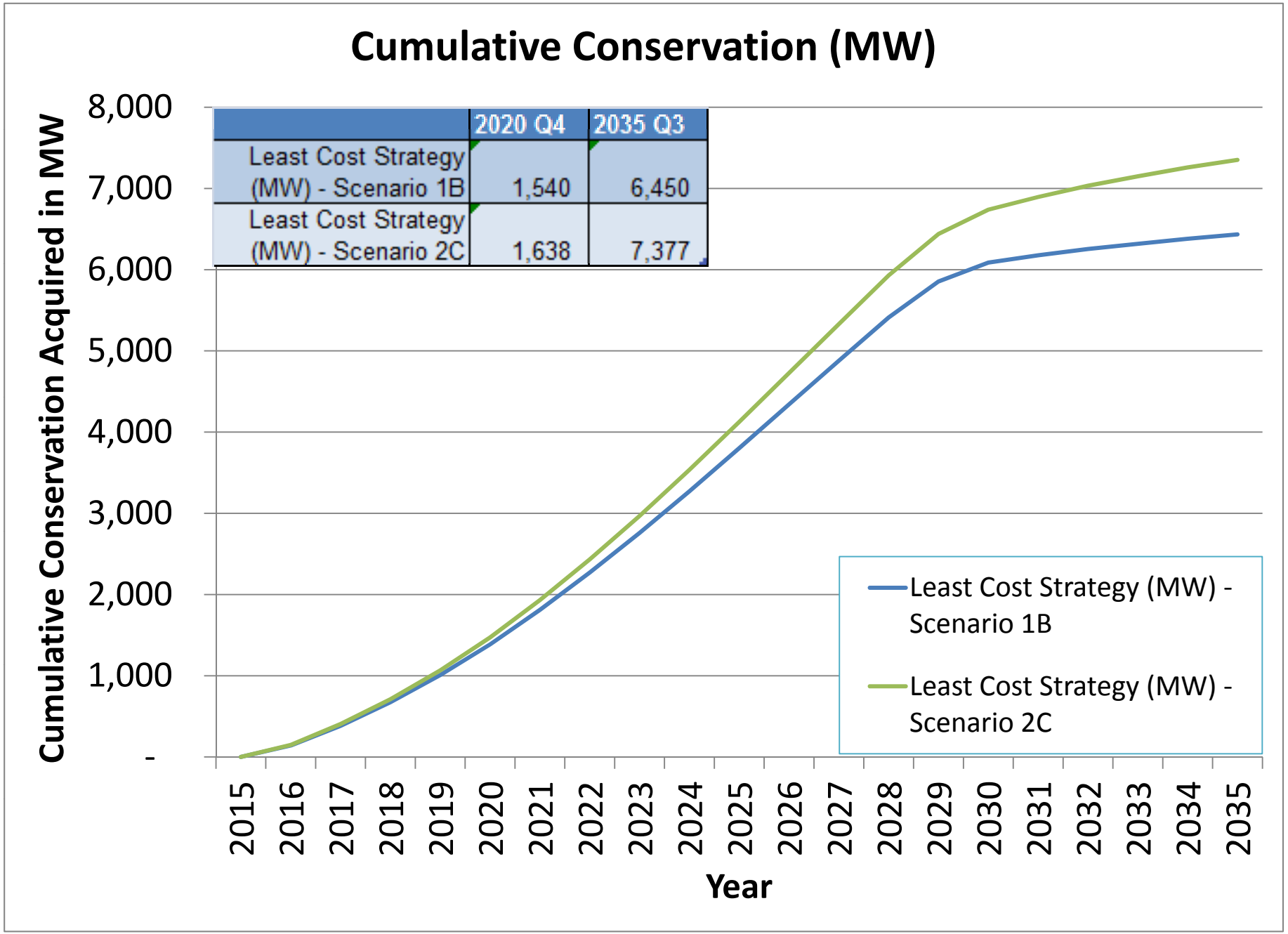

Cumulative Energy of New Resources -
Least Risk Strategy Scenario 2C
Cumulativwe Energy (aMW)
6000
5000
4000
3000
2000
1000
0
Demand Response
Renewable Generation
Thermal Generation
Conservation
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Years

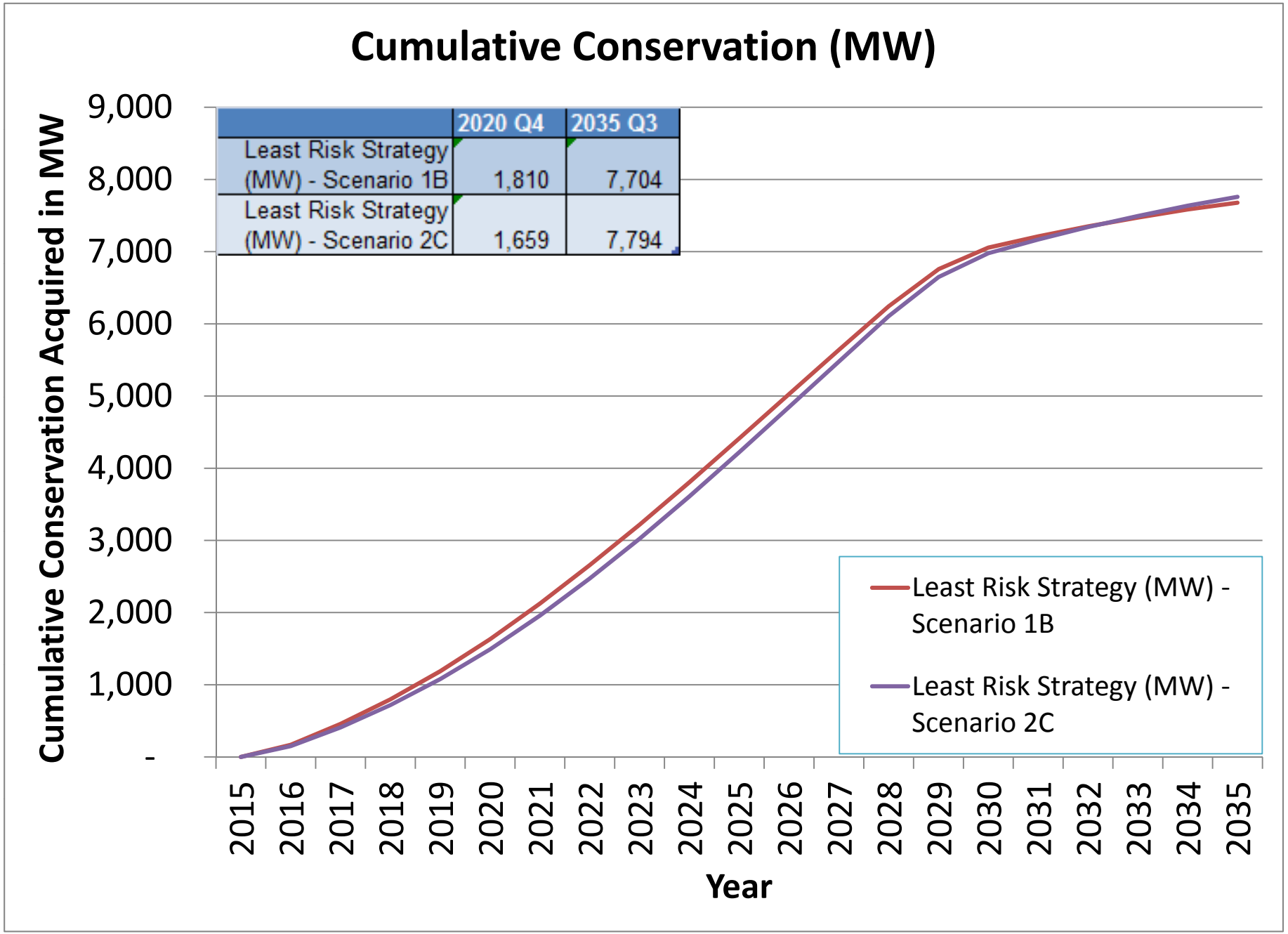

Least Cost Strategy vs Least Risk Strategy - Scenario 2C
Probability
Least Cost Strategy 2030
Least Risk Strategy 2030
Mean
90th percentile
Mean
90th percentile
-10
-7
-4
0
3
6
9
12
15
18
21
24
27
30
33
36
39
42
45
48
51
54
57
60
63
CO2 Emissions Totals in Millions Metric Tons

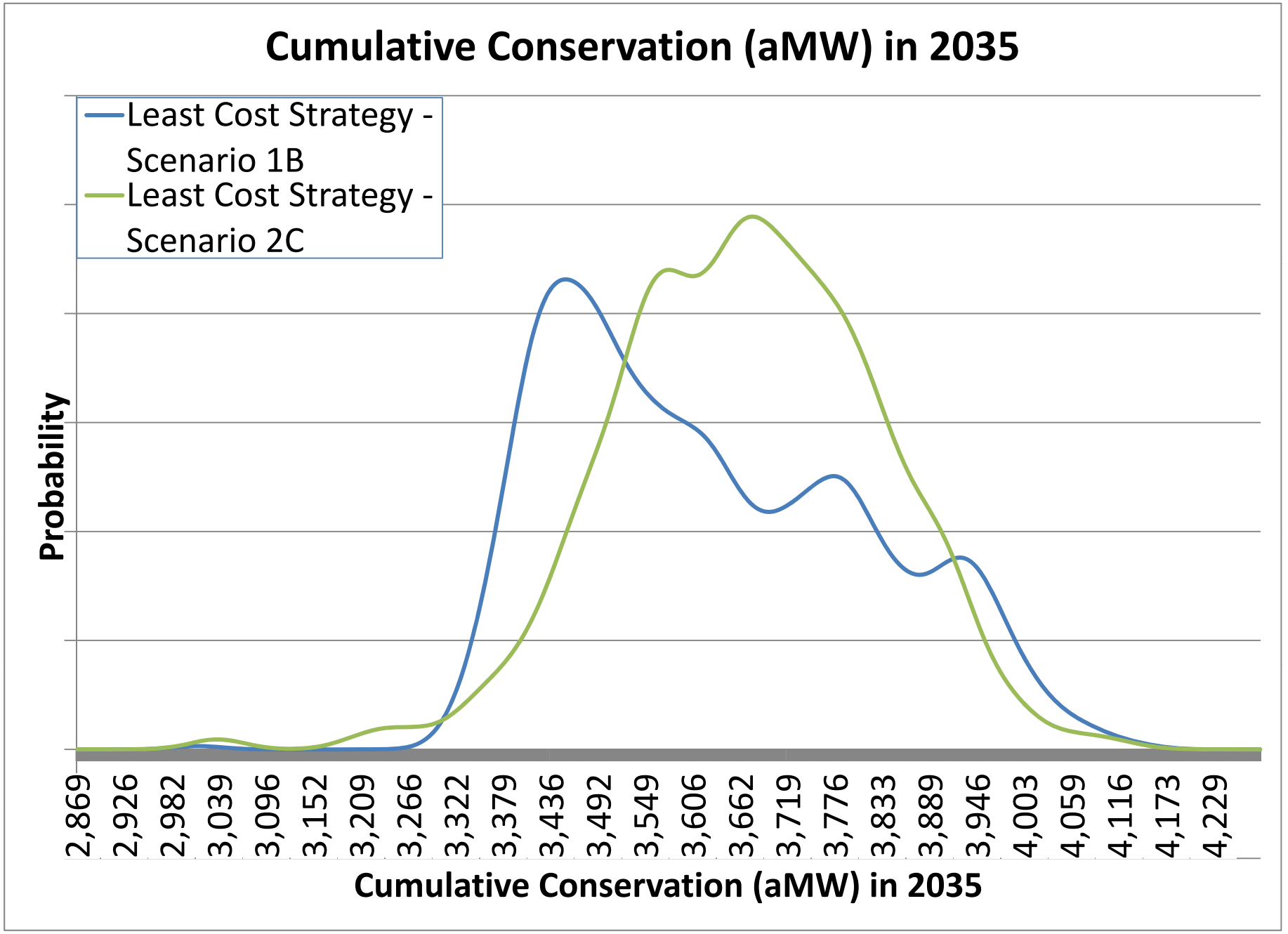

Least Cost Strategy vs Least Risk Strategy - Scenario 2C
Probability
Least Cost Strategy 2035
Least Risk Strategy 2035
Mean
90th percentile
Mean
90th percentile
-11
-7
-4
-1
3
6
9
13
16
19
22
26
29
32
36
39
42
45
49
52
55
59
62
65
69
CO2 Emissions Totals in Millions Metric Tons

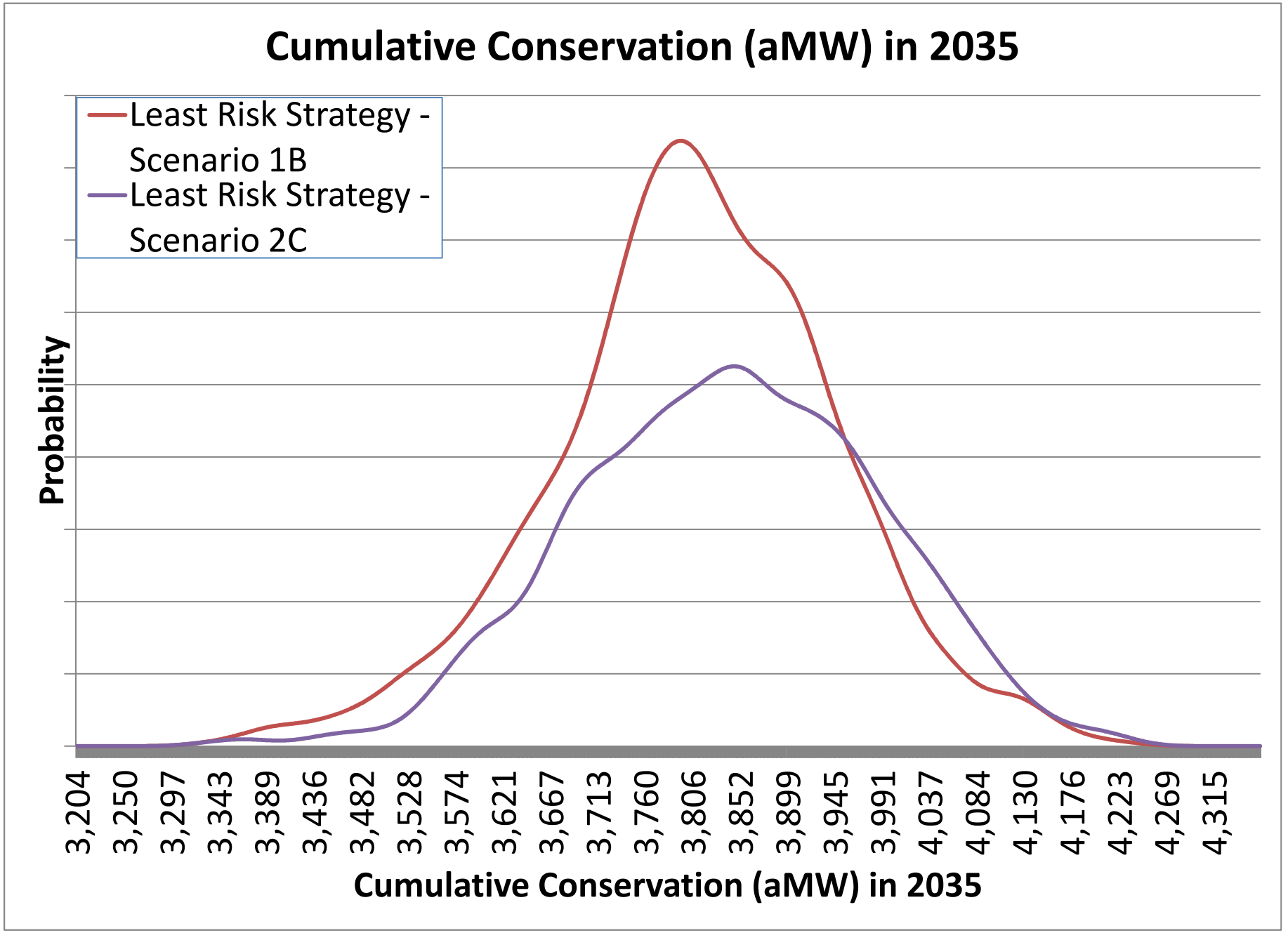

Least Cost Strategy vs Least Risk Strategy - Scenario 2C
Probability
Least Cost Strategy 2030
Least Risk Strategy 2030
Mean
90th percentile
Mean
90th percentile
-4 -2 -1 1 2 4 5 7 8 10 11 13 14 16 17 19 20 22 23 25 26 28 29 31 32 34 35 37 38 40 41
CO2 Emissions Totals in Millions Metric Tons

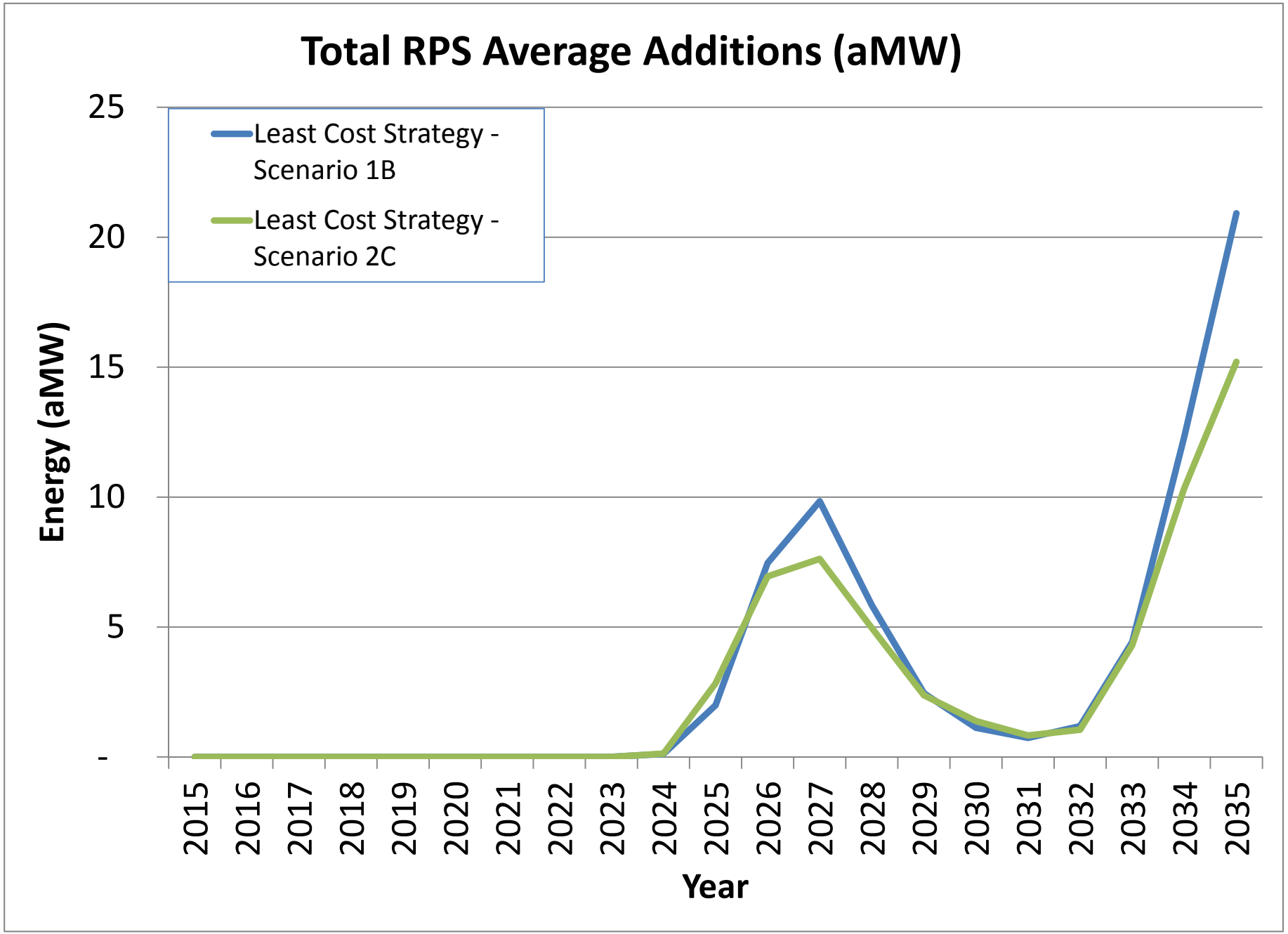

Least Cost Strategy vs Least Risk Strategy - Scenario 2C
Probability
Least Cost Strategy 2035
Least Risk Strategy 2035
Mean
90th percentile
Mean
90th percentile
-4 -2 -1 1 3 4 6 7 9 11 12 14 15 17 19 20 22 23 25 27 28 30 32 33 35 36 38 40 41 43 44
CO2 Emissions Totals in Millions Metric Tons

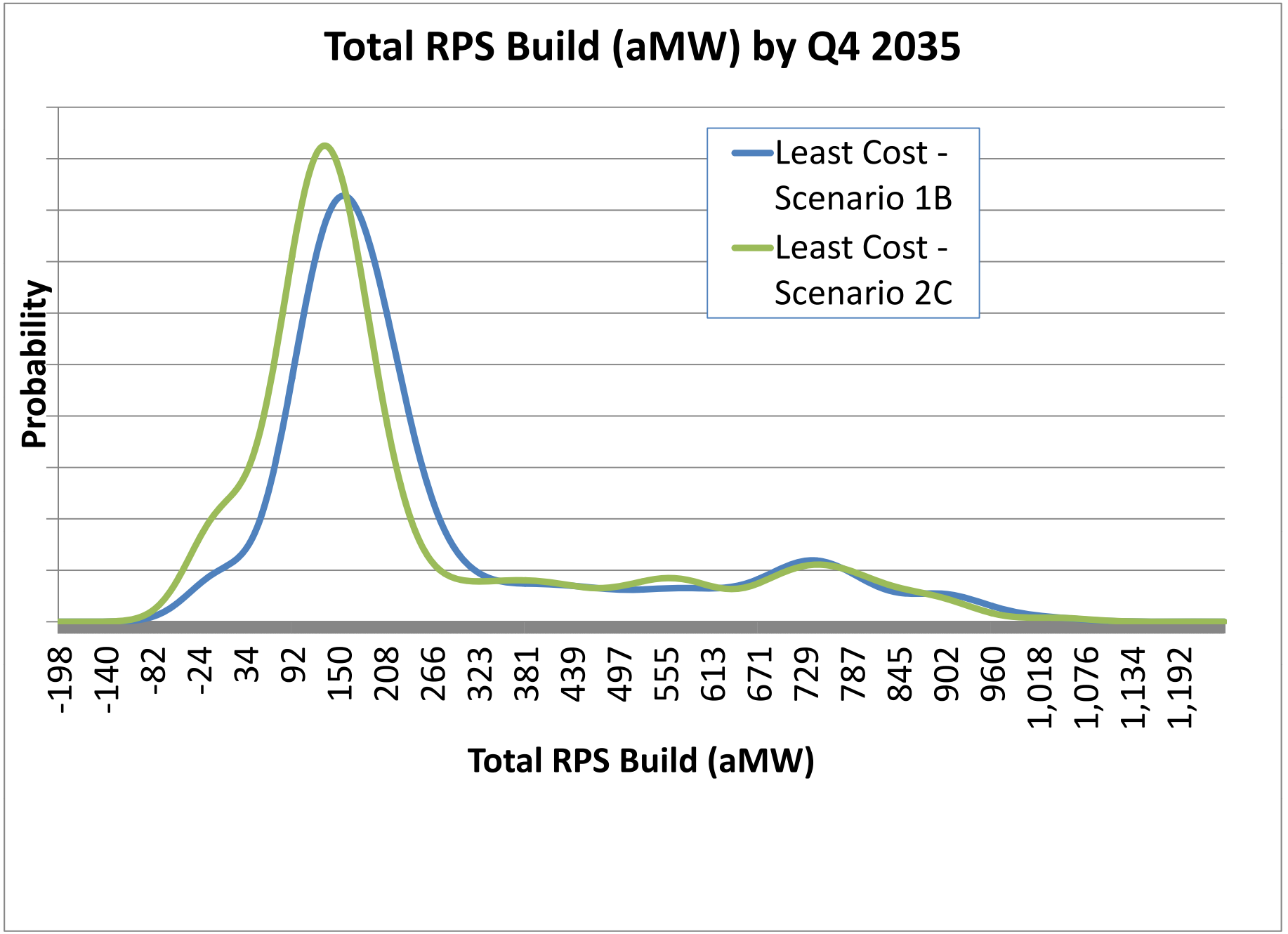

Cumulative Conservation (MW)
Cumulative Conservation Acquired in MW
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
-
2020 Q4
2035 Q3
Least Cost Strategy (MW) - Scenario 1B
1,540
6,450
Least Cost Strategy (MW) - Scenario 2C
1,638
7,377
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Year
Least Cost Strategy (MW) - Scenario 1B
Least Cost Strategy (MW) - Scenario 2C

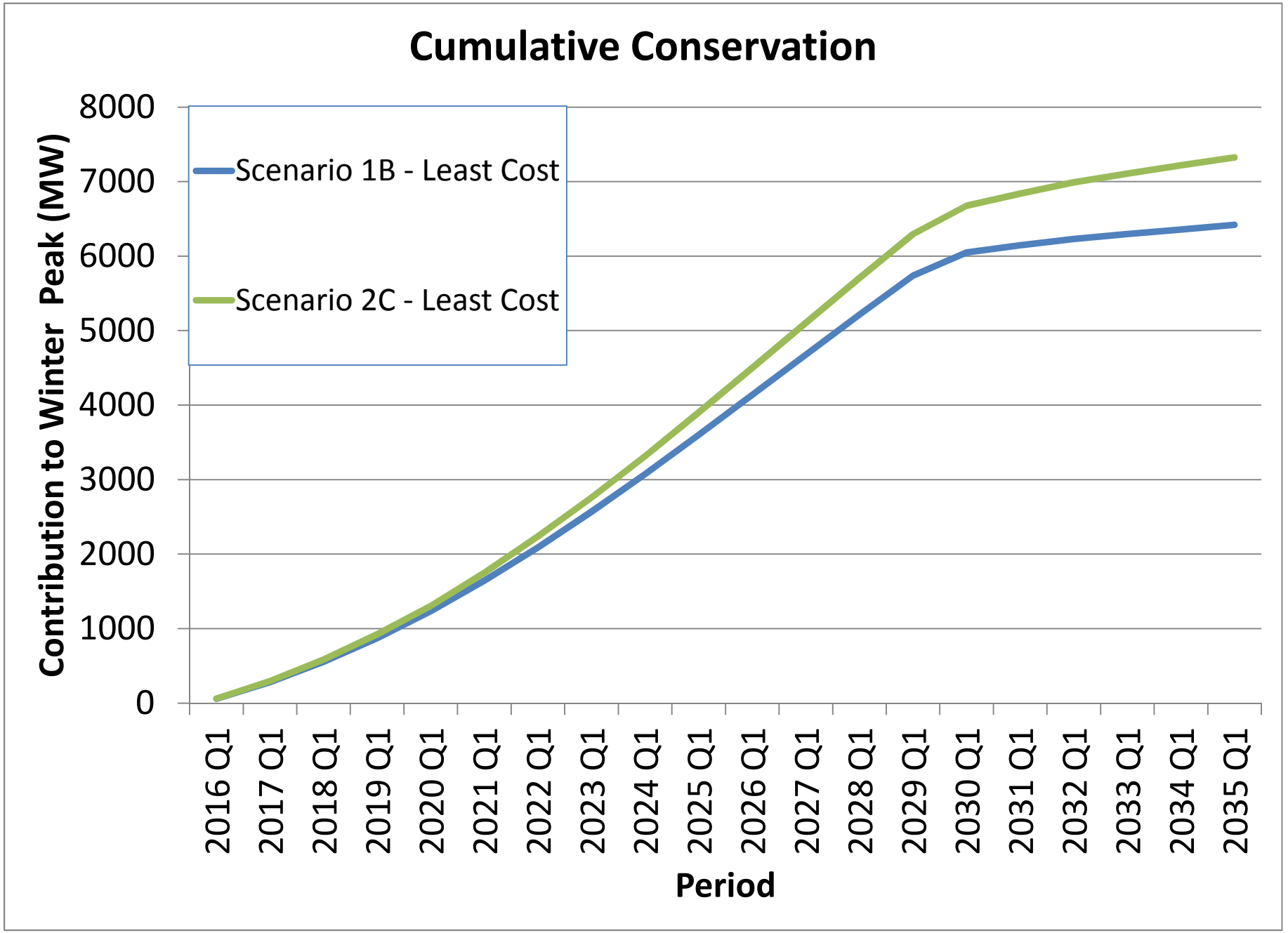

Cumulative Conservation (MW)
Cumulative Conservation Acquired in MW
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
-
2020 Q4
2035 Q3
Least Risk Strategy (MW) - Scenario 1B
1,810
7,704
Least Risk Strategy (MW) - Scenario 2C
1,659
7,794
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Year
Least Risk Strategy (MW) - Scenario 1B
Least Risk Strategy (MW) - Scenario 2C

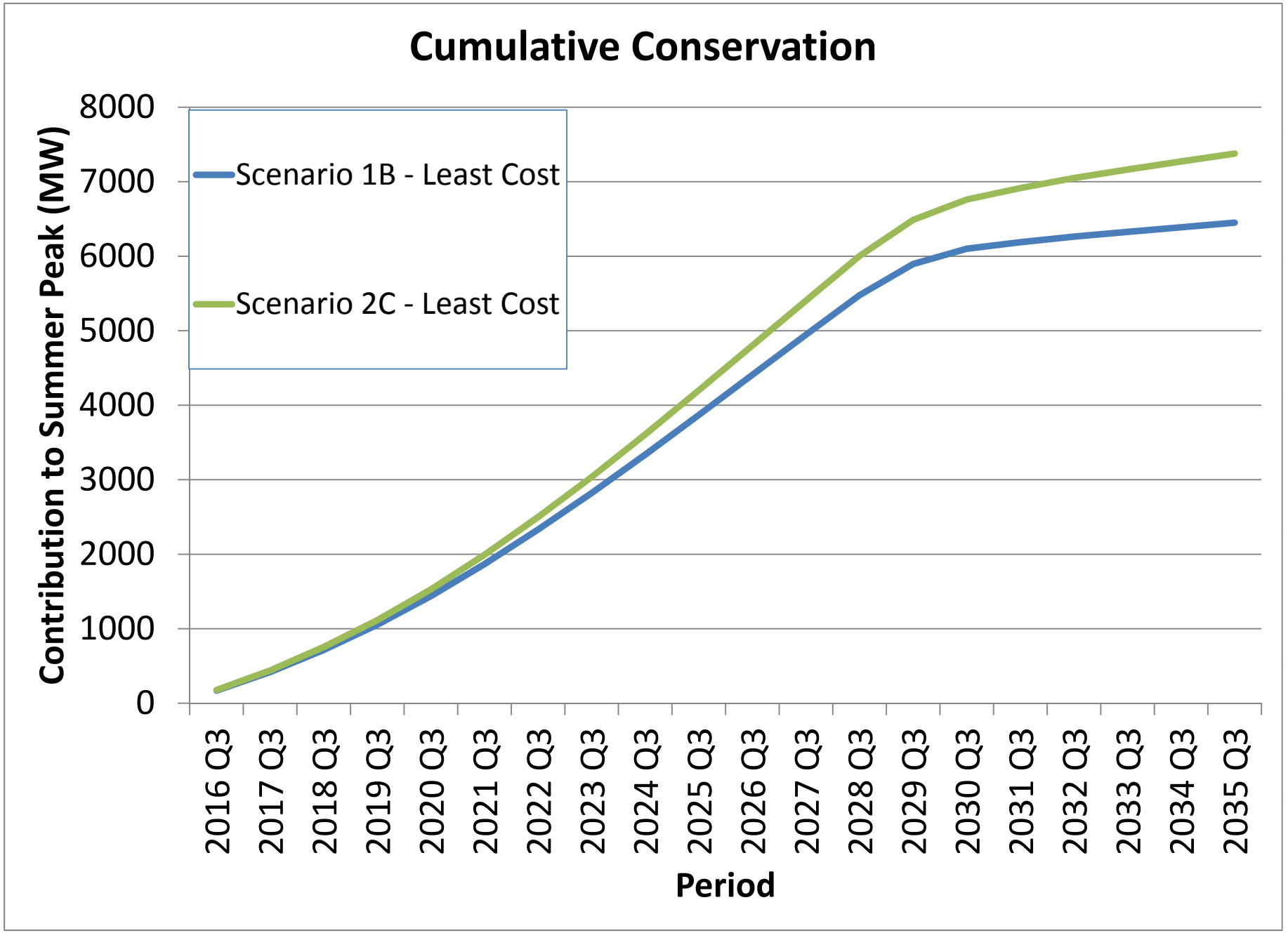

Cumulative Conservation (aMW) in 2035
Least Cost Strategy - Scenario 1B
Least Cost Strategy - Scenario 2C
Probability
2,869
2,926
2,982
3,039
3,096
3,152
3,209
3,266
3,322
3,379
3,436
3,492
3,549
3,606
3,662
3,719
3,776
3,833
3,889
3,946
4,003
4,059
4,116
4,173
4,229
Cumulative Conservation (aMW) in 2035

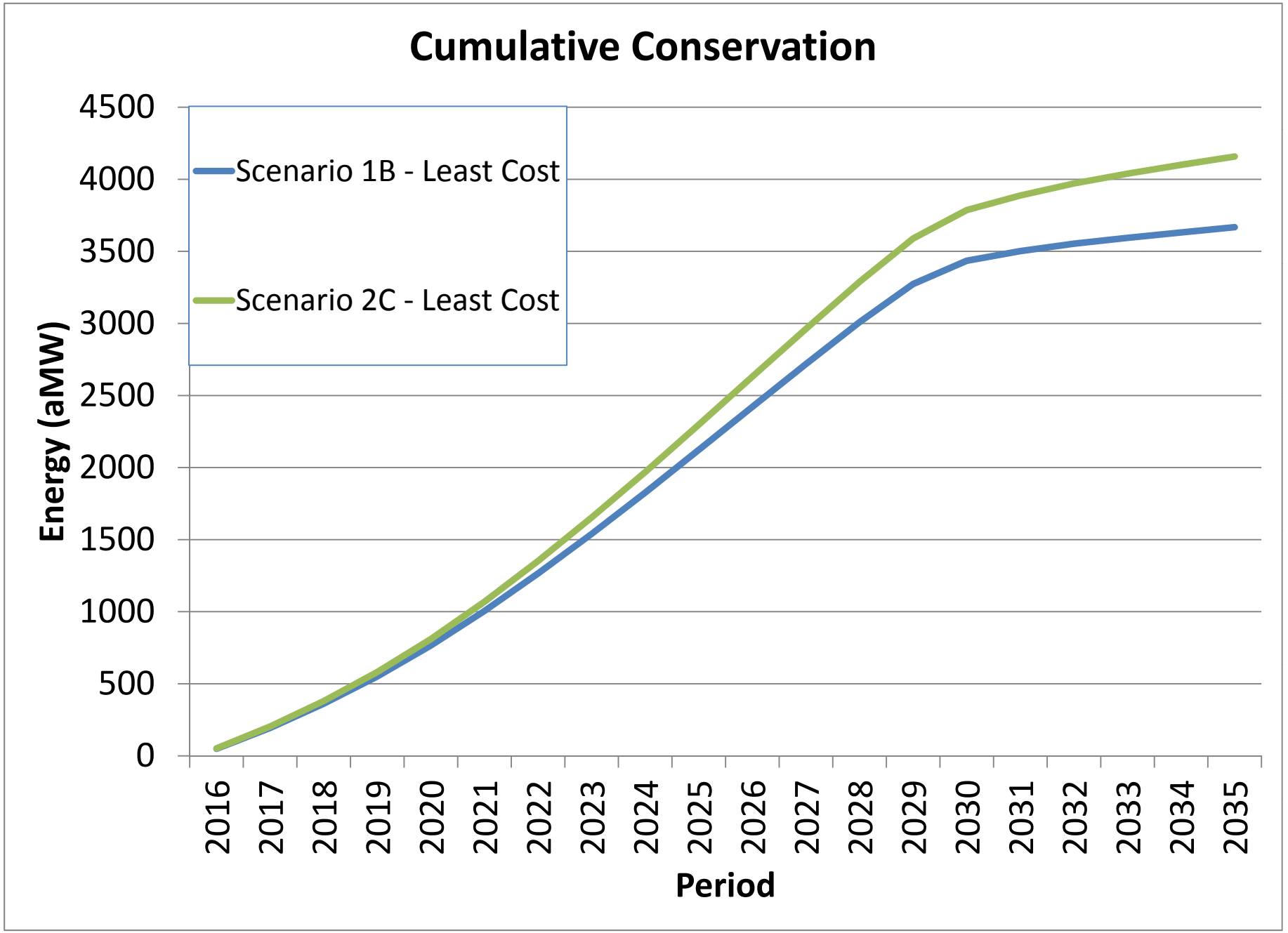

Cumulative Conservation (aMW) in 2035
Least Risk Strategy - Scenario 1B
Least Risk Strategy - Scenario 2C
Probability
3,204
3,250
3,297
3,343
3,389
3,436
3,482
3,528
3,574
3,621
3,667
3,713
3,760
3,806
3,852
3,899
3,945
3,991
4,037
4,084
4,130
4,176
4,223
4,269
4,315
Cumulative Conservation (aMW) in 2035

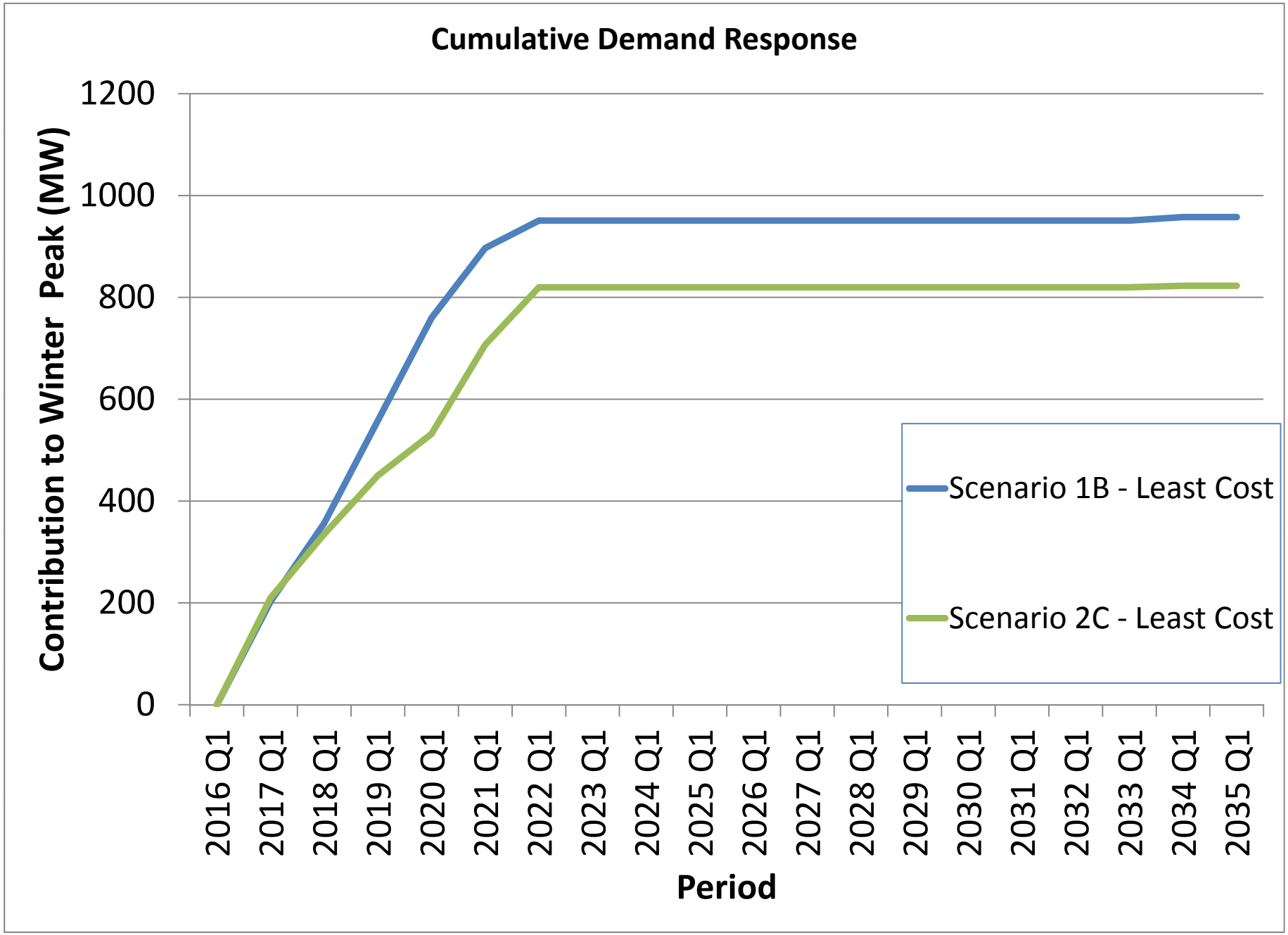

Total RPS Average Additions (aMW)
Least Cost Strategy - Scenario 1B
Least Cost Strategy - Scenario 2C
Energy (aMW)
25
20
15
10
5
-
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Year

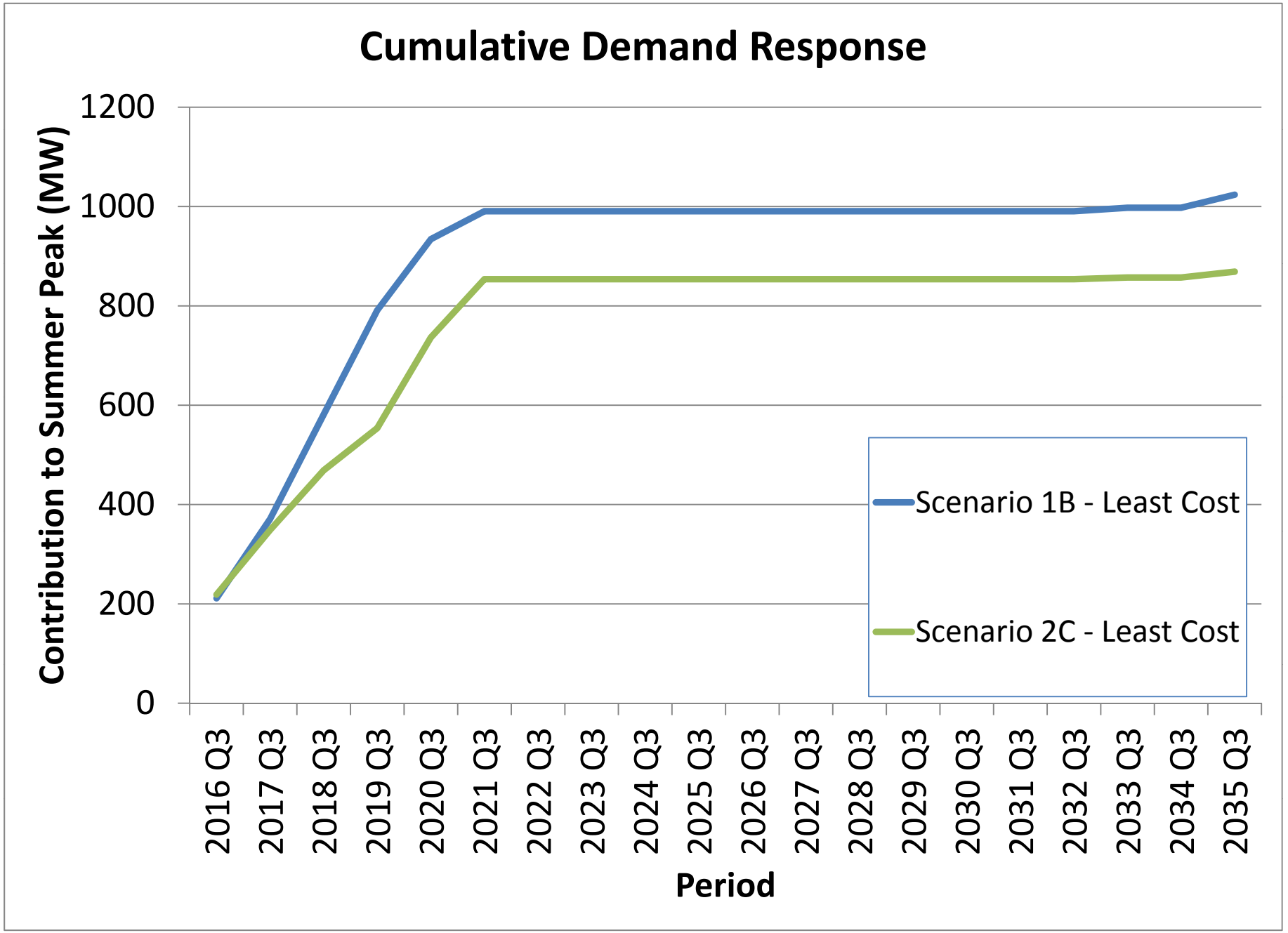

Total RPS Build (aMW) by Q4 2035
Probability
Least Cost - Scenario 1B
Least Cost - Scenario 2C
-198
-140
-82
-24
34
92
150
208
266
323
381
439
497
555
613
671
729
787
845
902
960
1,018
1,076
1,134
1,192
Total RPS Build (aMW)

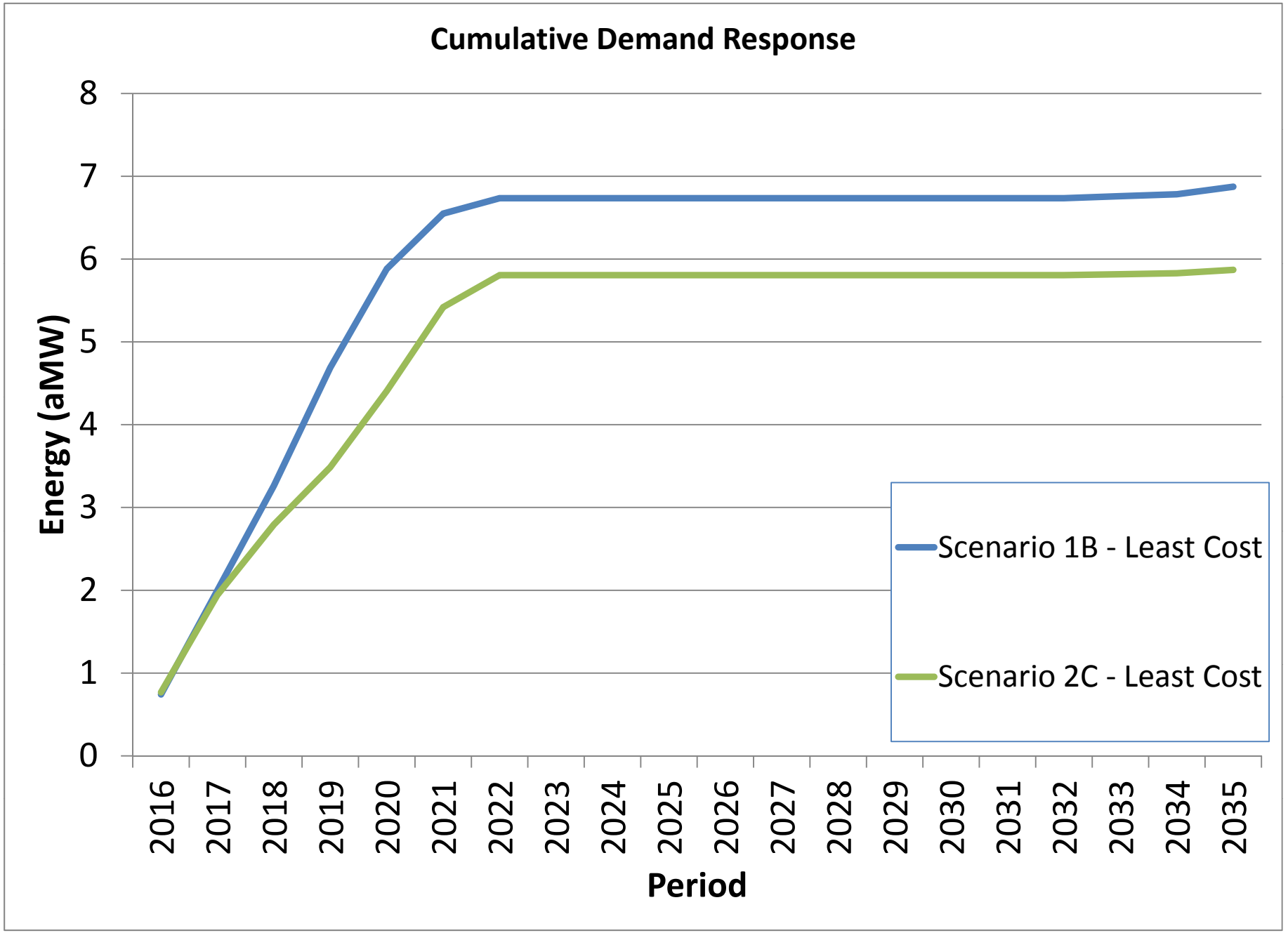

Cumulative Conservation
Contribution to Winter Peak (MW)
8000
7000
6000
5000
4000
3000
2000
1000
0
Scenario 1B - Least Cost
Scenario 2C - Least Cost
2016 Q1
2017 Q1
2018 Q1
2019 Q1
2020 Q1
2021 Q1
2022 Q1
2023 Q1
2024 Q1
2025 Q1
2026 Q1
2027 Q1
2028 Q1
2029 Q1
2030 Q1
2031 Q1
2032 Q1
2033 Q1
2034 Q1
2035 Q1
Period

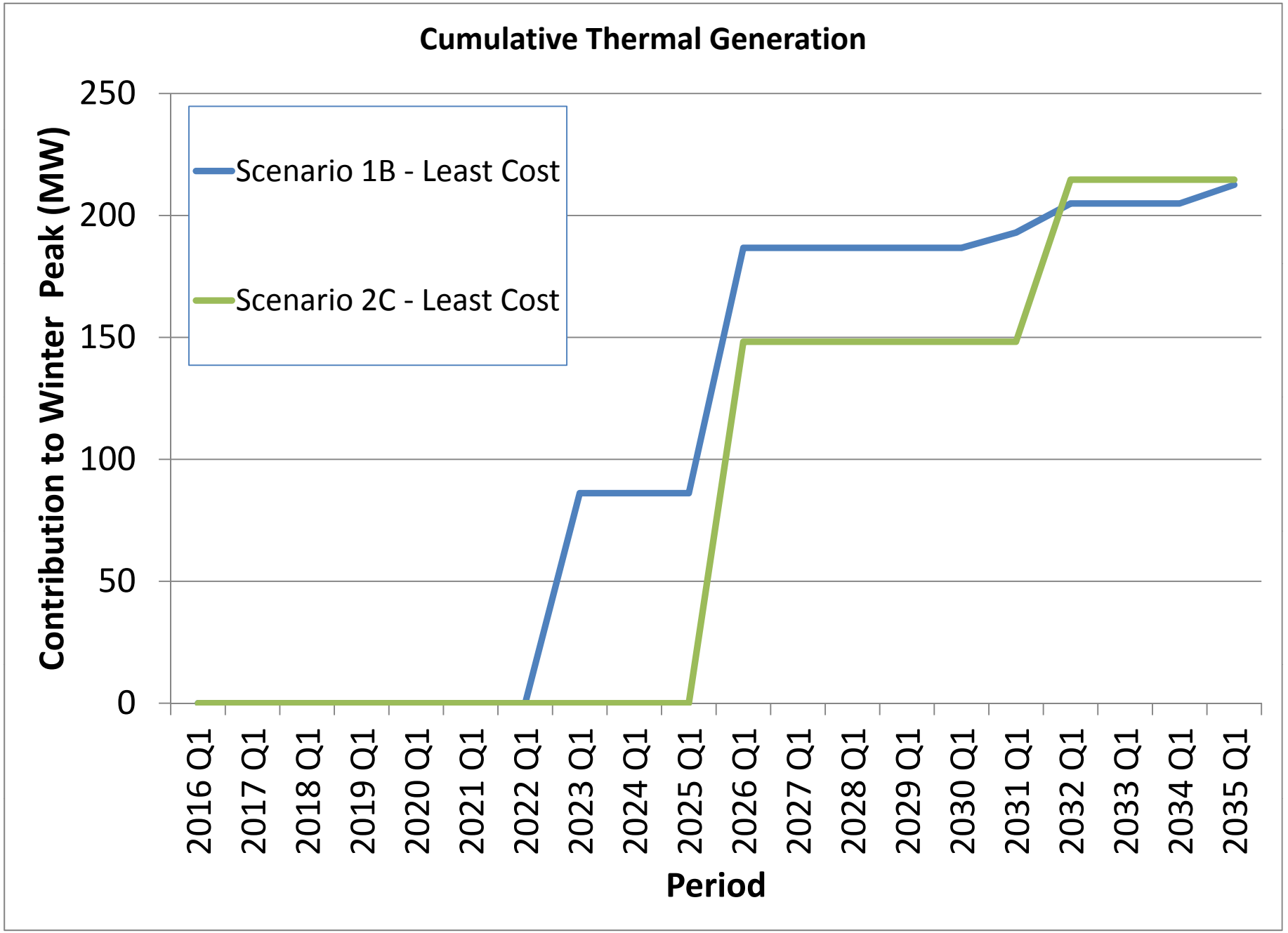

Cumulative Conservation
Contribution to Summer Peak (MW)
8000
7000
6000
5000
4000
3000
2000
1000
0
Scenario 1B - Least Cost
Scenario 2C - Least Cost
2016 Q3
2017 Q3
2018 Q3
2019 Q3
2020 Q3
2021 Q3
2022 Q3
2023 Q3
2024 Q3
2025 Q3
2026 Q3
2027 Q3
2028 Q3
2029 Q3
2030 Q3
2031 Q3
2032 Q3
2033 Q3
2034 Q3
2035 Q3
Period

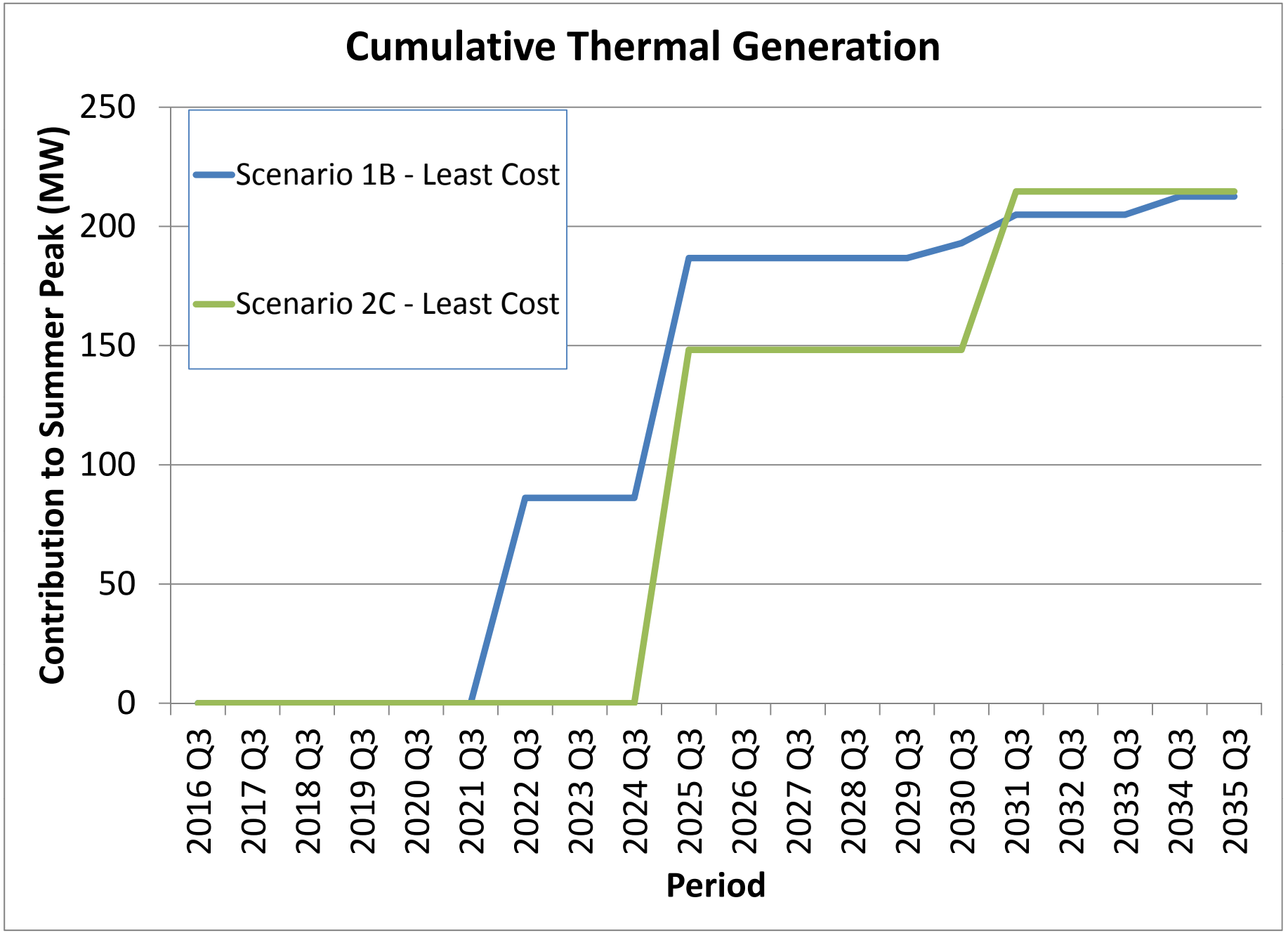

Cumulative Conservation
Energy (aMW)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Scenario 1B - Least Cost
Scenario 2C - Least Cost
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Period

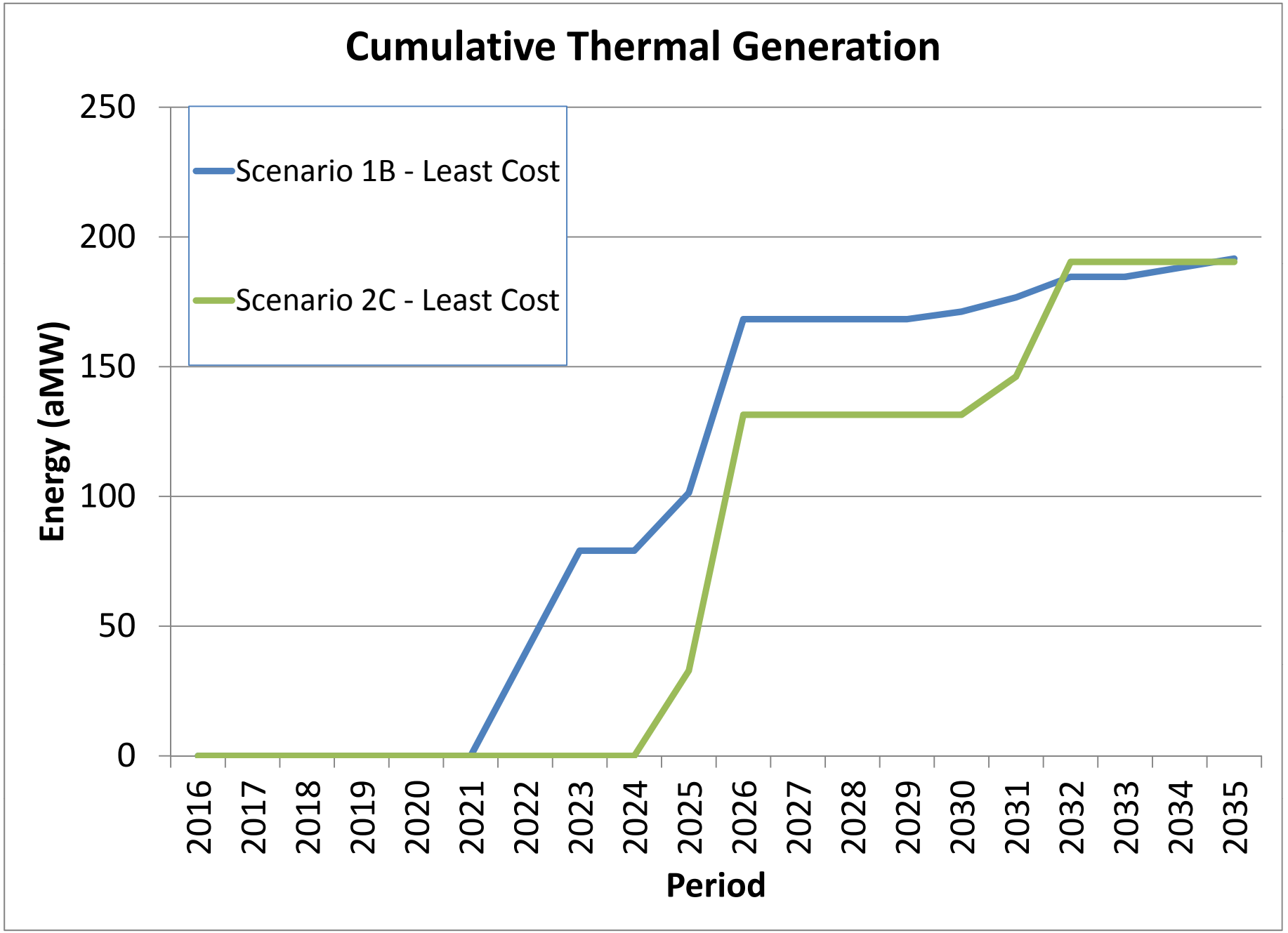

Cumulative Demand Response
Contribution to Winter Peak (MW)
1200
1000
800
600
400
200
0
2016 Q1
2017 Q1
2018 Q1
2019 Q1
2020 Q1
2021 Q1
2022 Q1
2023 Q1
2024 Q1
2025 Q1
2026 Q1
2027 Q1
2028 Q1
2029 Q1
2030 Q1
2031 Q1
2032 Q1
2033 Q1
2034 Q1
2035 Q1
Period
Scenario 1B - Least Cost
Scenario 2C - Least Cost

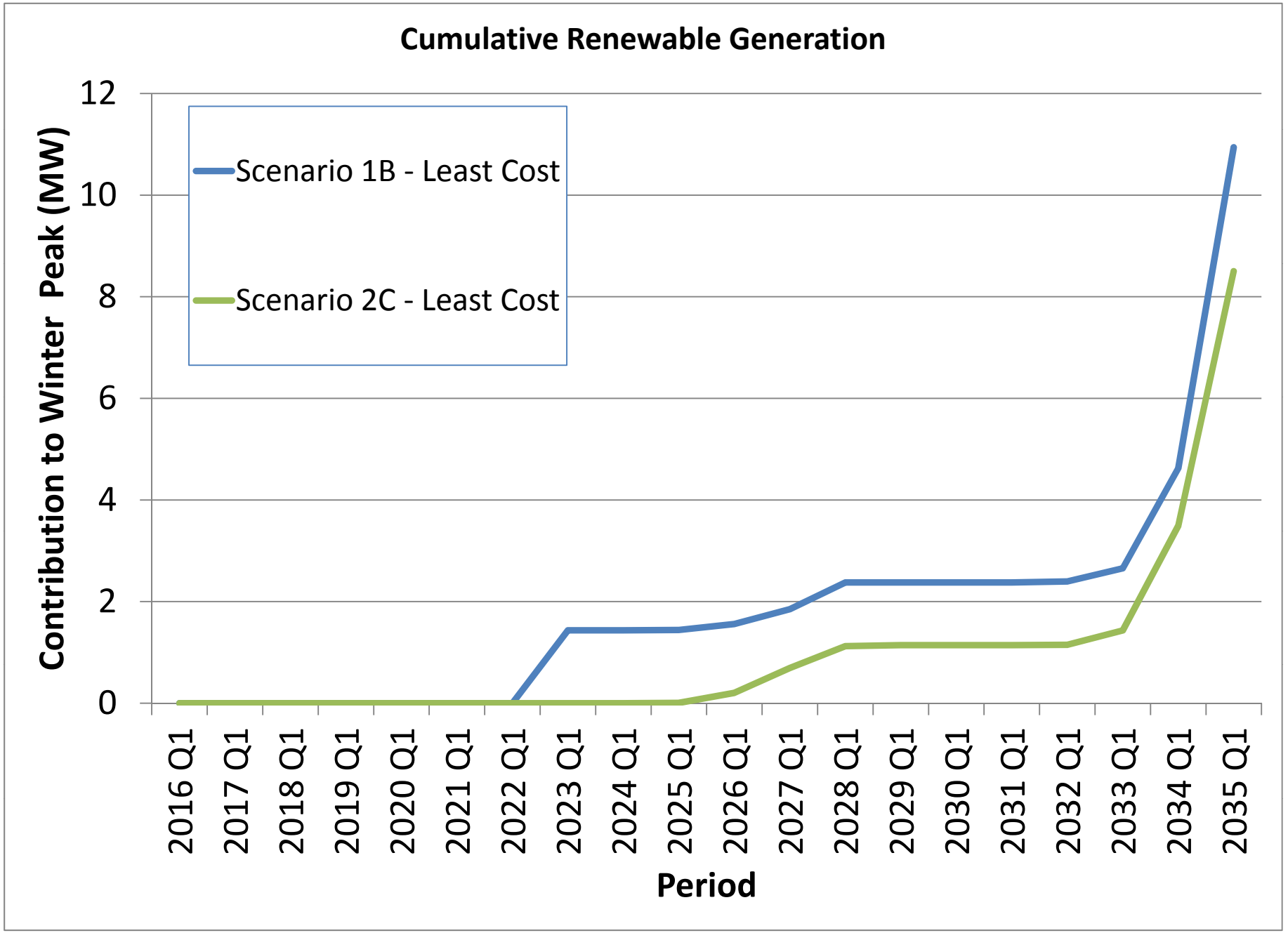

Cumulative Demand Response
Contribution to Summer Peak (MW)
1200
1000
800
600
400
200
0
2016 Q3
2017 Q3
2018 Q3
2019 Q3
2020 Q3
2021 Q3
2022 Q3
2023 Q3
2024 Q3
2025 Q3
2026 Q3
2027 Q3
2028 Q3
2029 Q3
2030 Q3
2031 Q3
2032 Q3
2033 Q3
2034 Q3
2035 Q3
Period
Scenario 1B - Least Cost
Scenario 2C - Least Cost

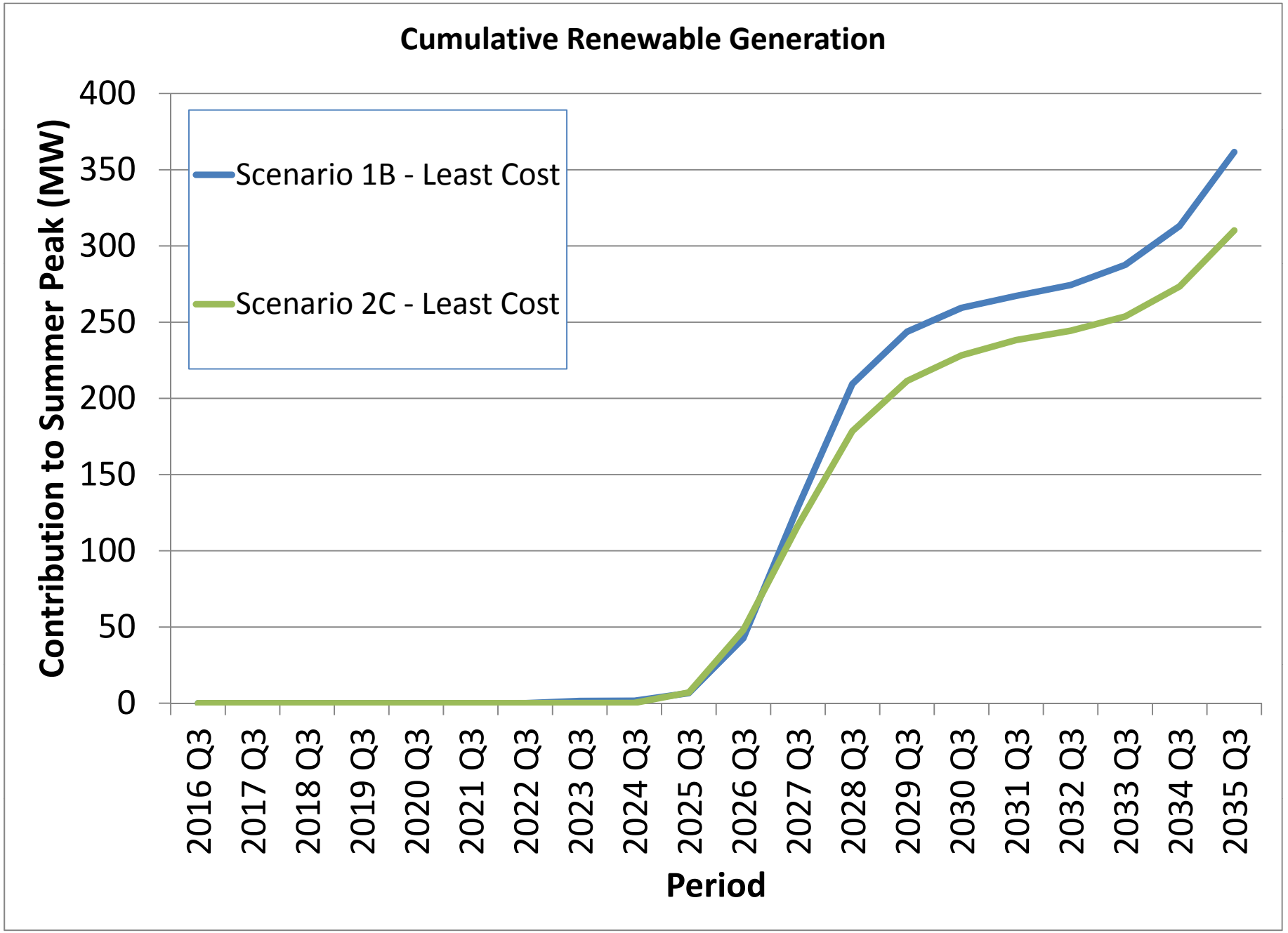

Cumulative Demand Response
Energy (aMW)
0
1
2
3
4
5
6
7
8
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Period
Scenario 1B - Least Cost
Scenario 2C - Least Cost

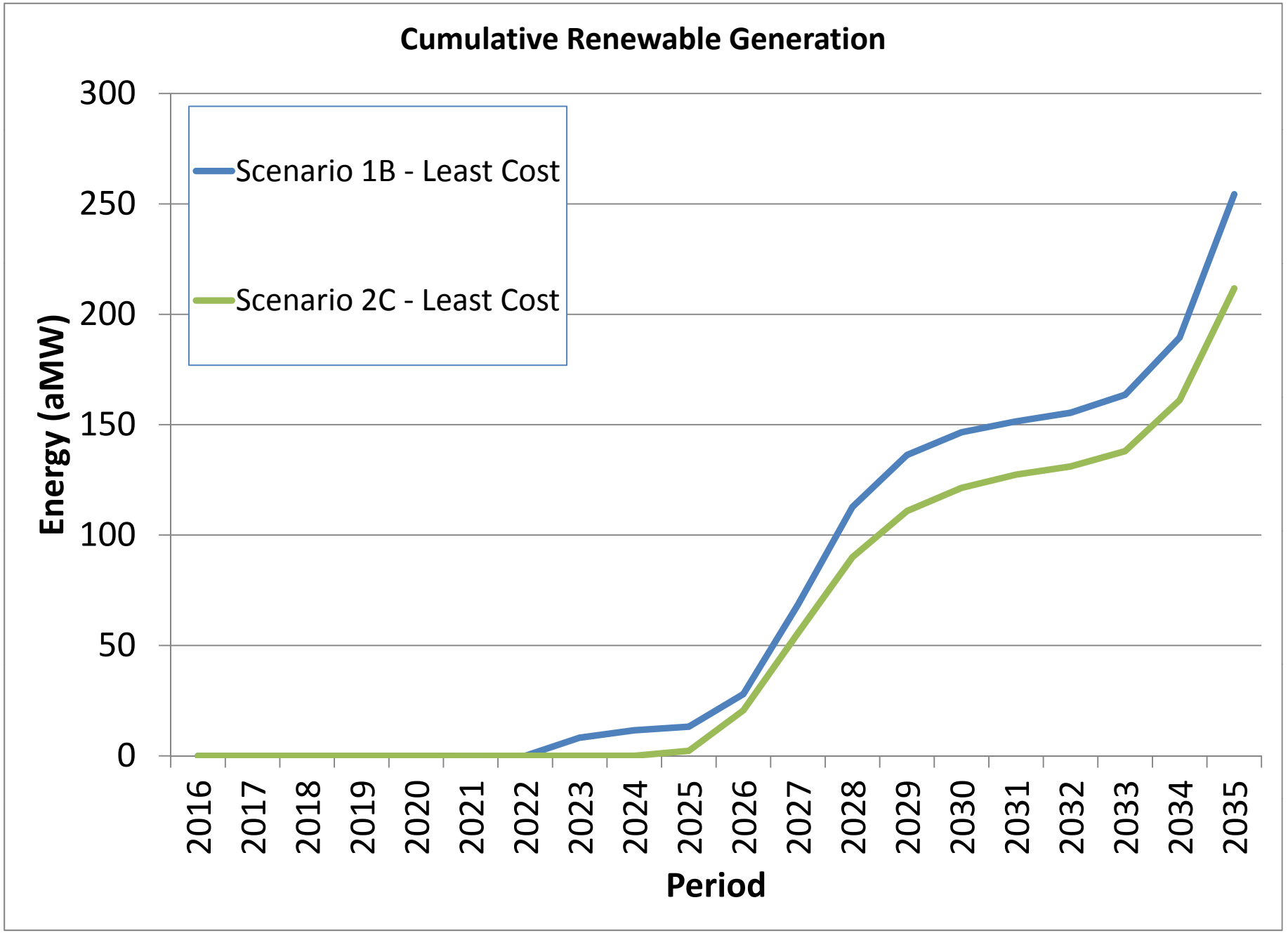

Cumulative Thermal Generation
Contribution to Winter Peak (MW)
250
200
150
100
50
0
Scenario 1B - Least Cost
Scenario 2C - Least Cost
2016 Q1
2017 Q1
2018 Q1
2019 Q1
2020 Q1
2021 Q1
2022 Q1
2023 Q1
2024 Q1
2025 Q1
2026 Q1
2027 Q1
2028 Q1
2029 Q1
2030 Q1
2031 Q1
2032 Q1
2033 Q1
2034 Q1
2035 Q1
Period


Cumulative Thermal Generation
Contribution to Summer Peak (MW)
250
200
150
100
50
0
Scenario 1B - Least Cost
Scenario 2C - Least Cost
2016 Q3
2017 Q3
2018 Q3
2019 Q3
2020 Q3
2021 Q3
2022 Q3
2023 Q3
2024 Q3
2025 Q3
2026 Q3
2027 Q3
2028 Q3
2029 Q3
2030 Q3
2031 Q3
2032 Q3
2033 Q3
2034 Q3
2035 Q3
Period


Cumulative Thermal Generation
Scenario 1B - Least Cost
Scenario 2C - Least Cost
Energy (aMW)
250
200
150
100
50
0
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Period


Cumulative Renewable Generation
Contribution to Winter Peak (MW)
12
10
8
6
4
2
0
Scenario 1B - Least Cost
Scenario 2C - Least Cost
2016 Q1
2017 Q1
2018 Q1
2019 Q1
2020 Q1
2021 Q1
2022 Q1
2023 Q1
2024 Q1
2025 Q1
2026 Q1
2027 Q1
2028 Q1
2029 Q1
2030 Q1
2031 Q1
2032 Q1
2033 Q1
2034 Q1
2035 Q1
Period


Cumulative Renewable Generation
Contribution to Summer Peak (MW)
400
350
300
250
200
150
100
50
0
Scenario 1B - Least Cost
Scenario 2C - Least Cost
2016 Q3
2017 Q3
2018 Q3
2019 Q3
2020 Q3
2021 Q3
2022 Q3
2023 Q3
2024 Q3
2025 Q3
2026 Q3
2027 Q3
2028 Q3
2029 Q3
2030 Q3
2031 Q3
2032 Q3
2033 Q3
2034 Q3
2035 Q3
Period


Cumulative Renewable Generation
Scenario 1B - Least Cost
Scenario 2C - Least Cost
Energy (aMW)
300
250
200
150
100
50
0
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Period