CREDA Operations Committee

Purchase Power Presentation
(Supplemental Information)

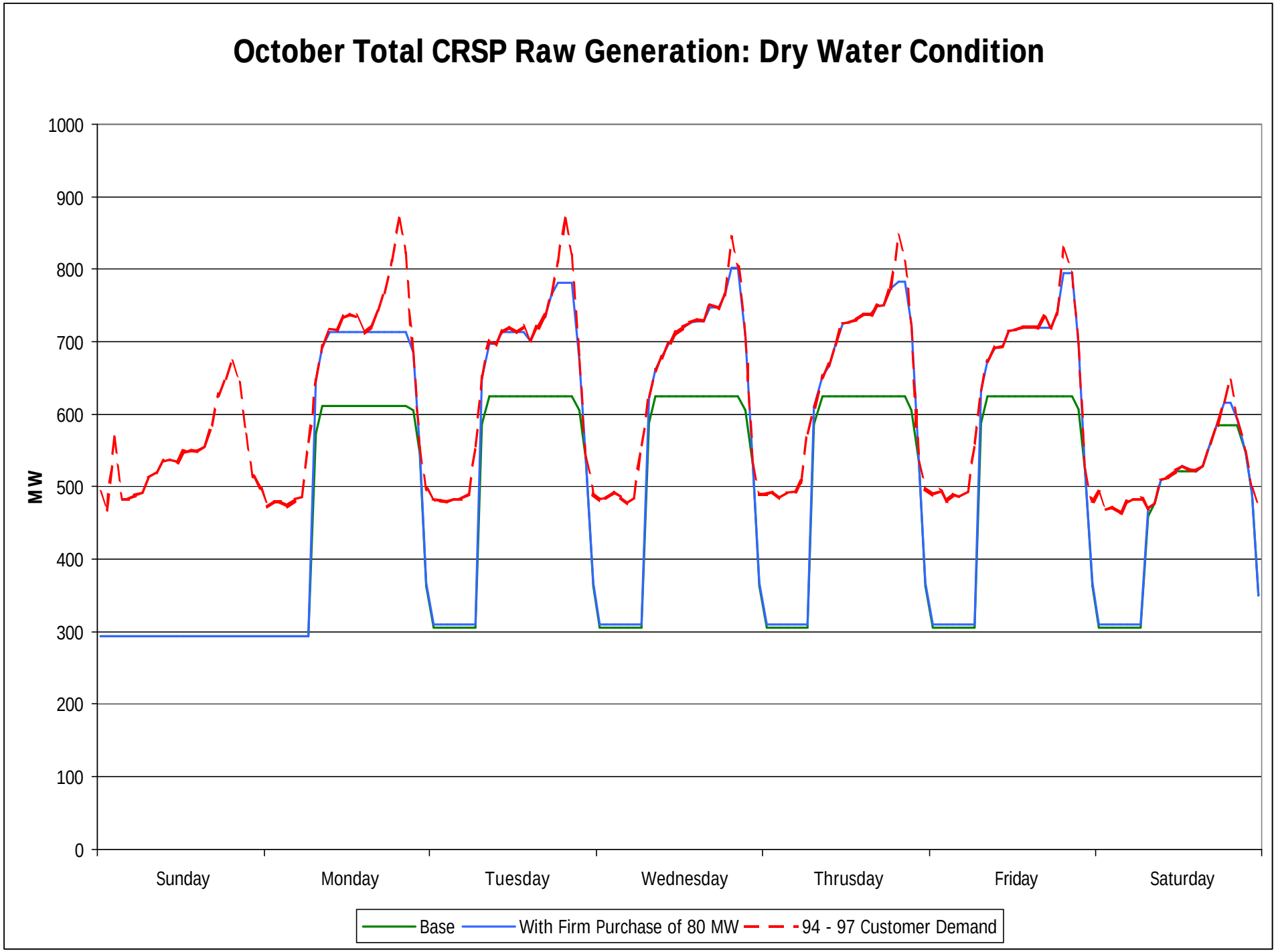
October 12, 2001

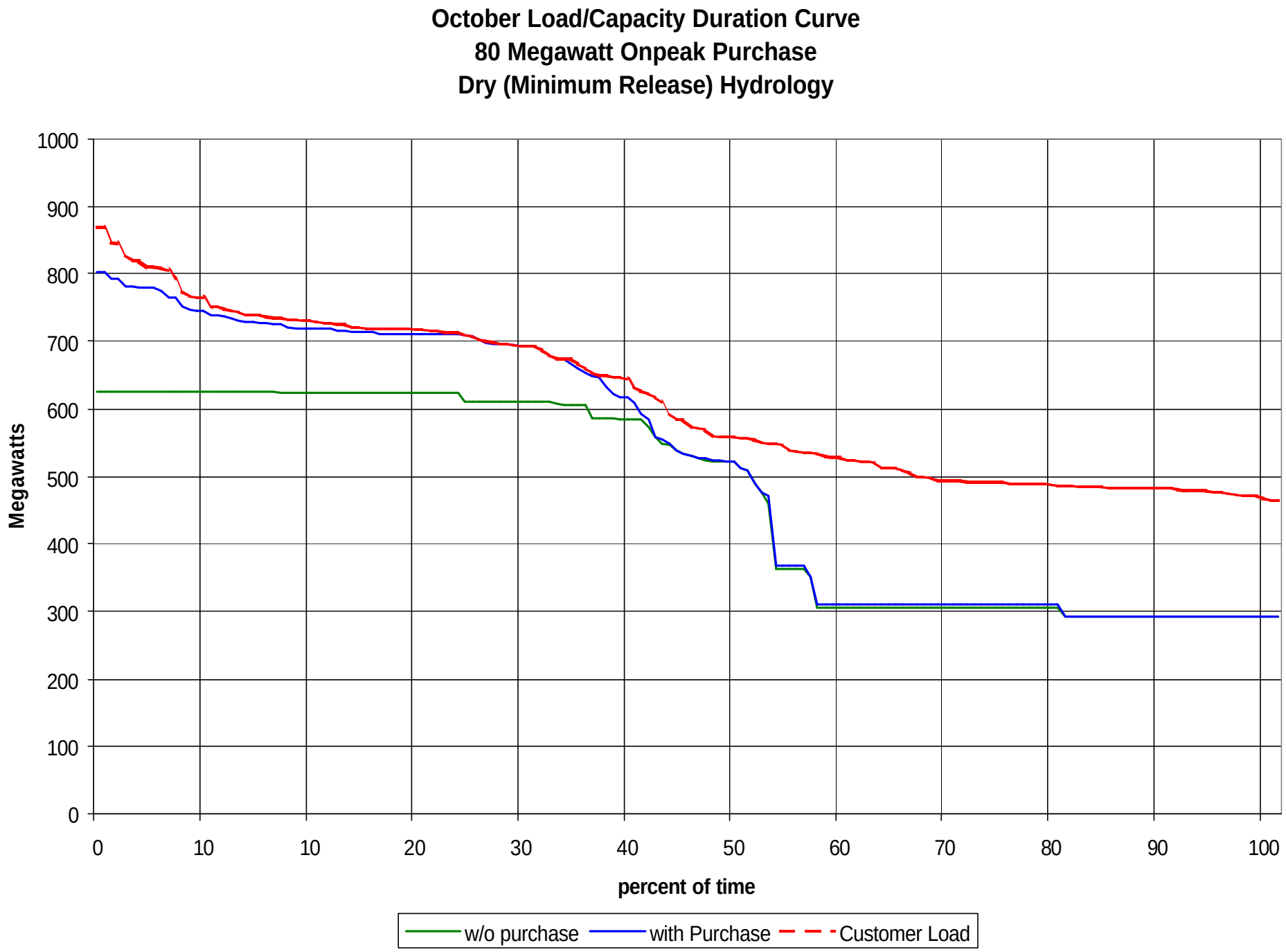
Colorado River Storage Project
Management Center

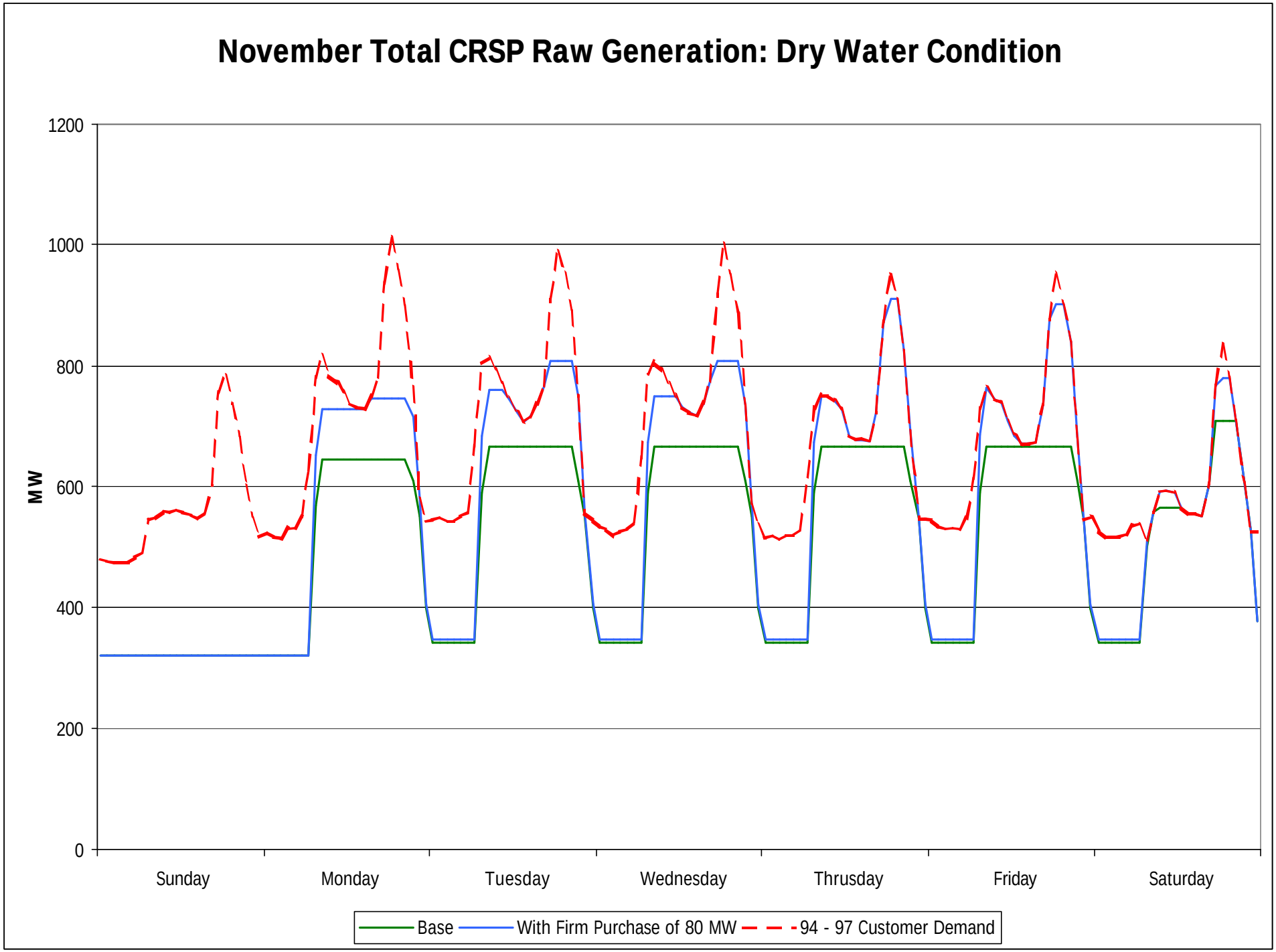
Model Simulation Assumptions

- Dry (minimum release) hydrology,
- Median Hydrology,
- Average hydrology,
- 12 monthly simulations,
- Average of 1994-1997 (before Amendment 4) actual customer hourly scheduled loads
- Results shown have <u>not</u> been adjusted for losses and project use loads.

Dry Hydrology, Shoulder Months


October Total CRSP Raw Generation: Dry Water Condition
1000
900
800
700
600
500
400
300
200
100
0
MW
Sunday
Monday
Tuesday
Wednesday
Thrusday
Friday
Saturday
Base
With Firm Purchase of 80 MW
94 - 97 Customer Demand


October Load/Capacity Duration Curve
80 Megawatt Onpeak Purchase
Dry (Minimum Release) Hydrology
Megawatts
1000
900
800
700
600
500
400
300
200
100
0
0
10
10
20
30
40
50
60
70
80
90
100
percent of time
w/o purchase
with Purchase
Customer Load


November Total CRSP Raw Generation: Dry Water Condition
1200
1000
800
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MW
Sunday
Monday
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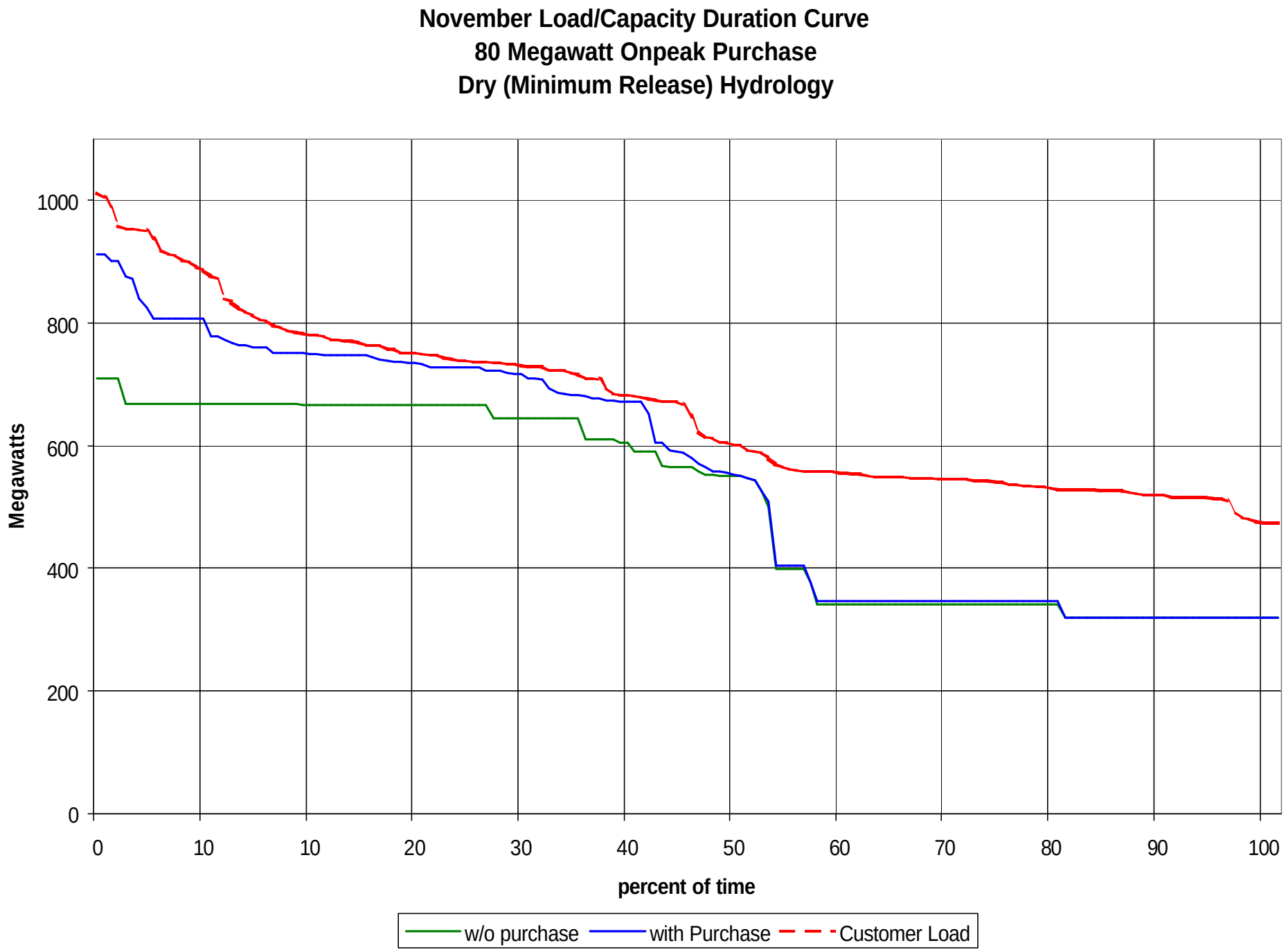
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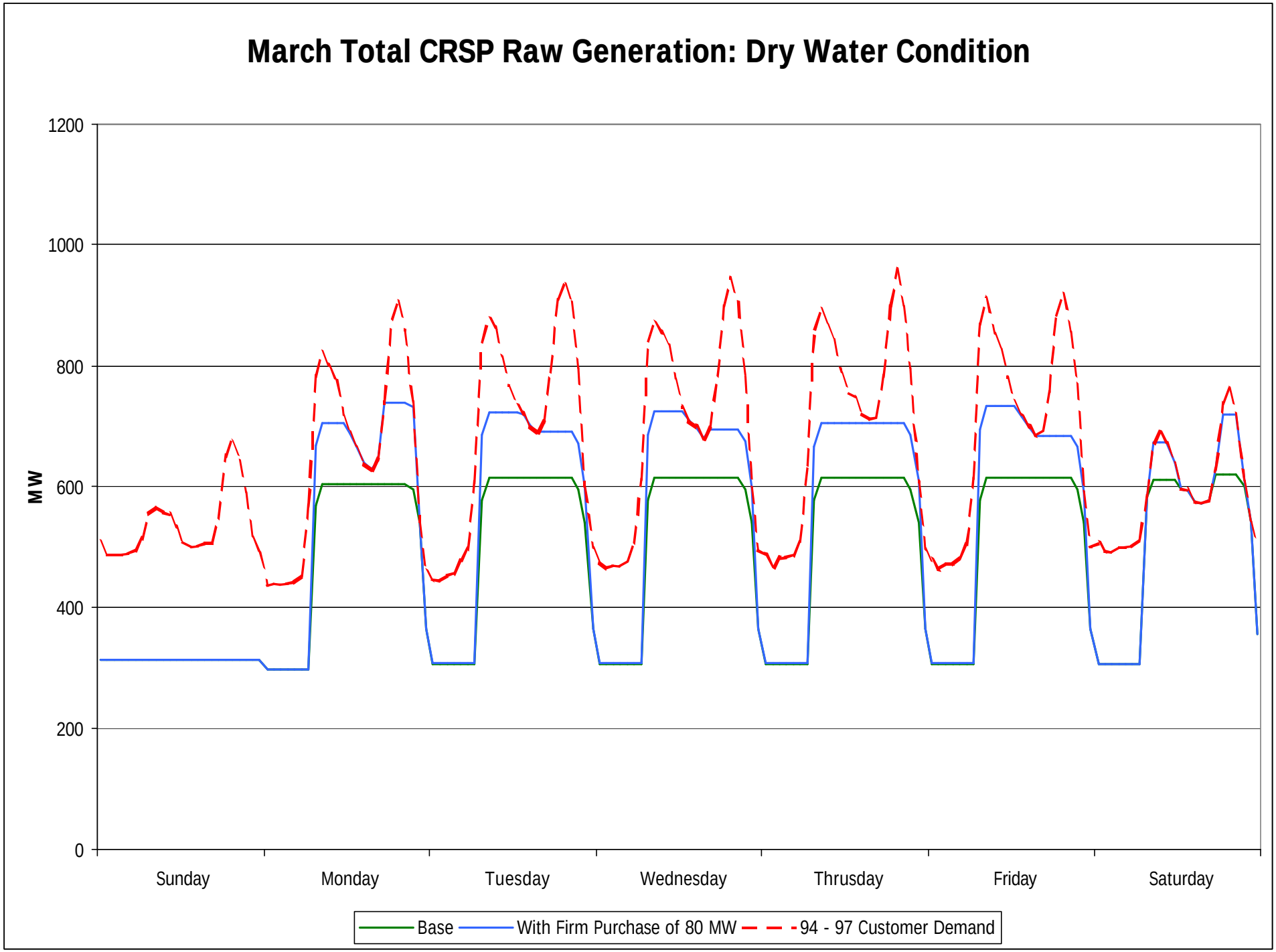
March Total CRSP Raw Generation: Dry Water Condition
1200
1000
800
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0
MW
Sunday
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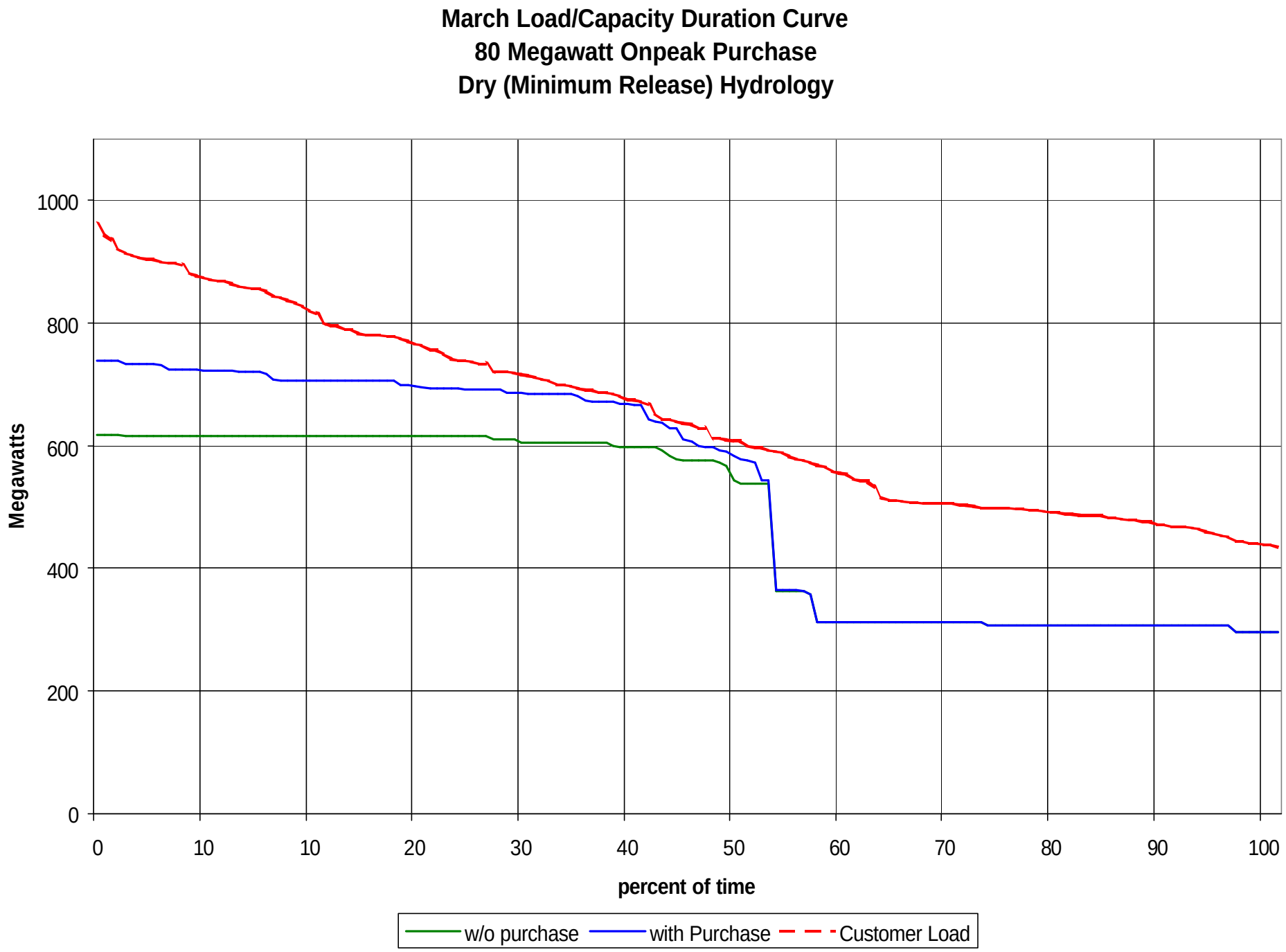
94 - 97 Customer Demand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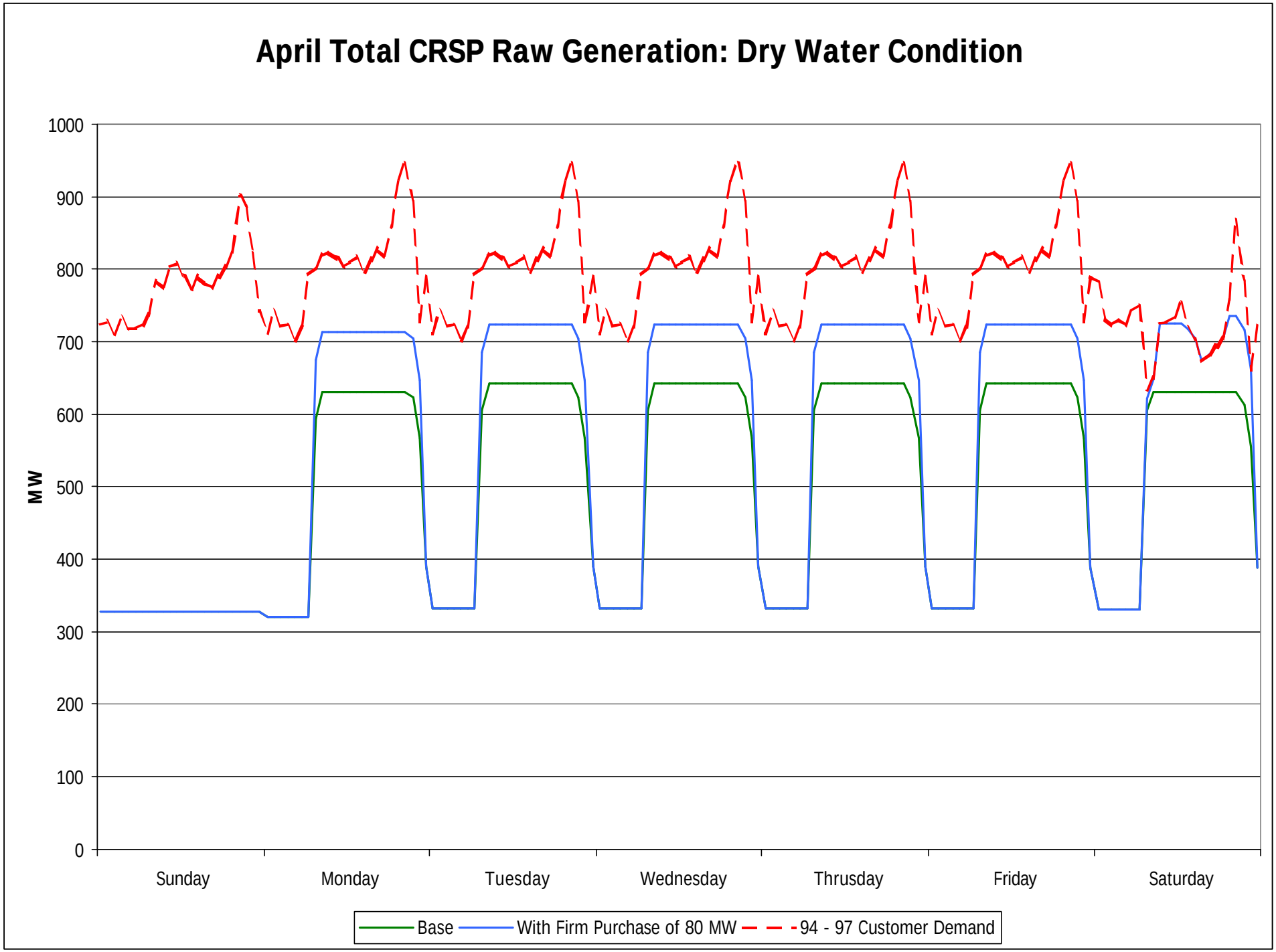
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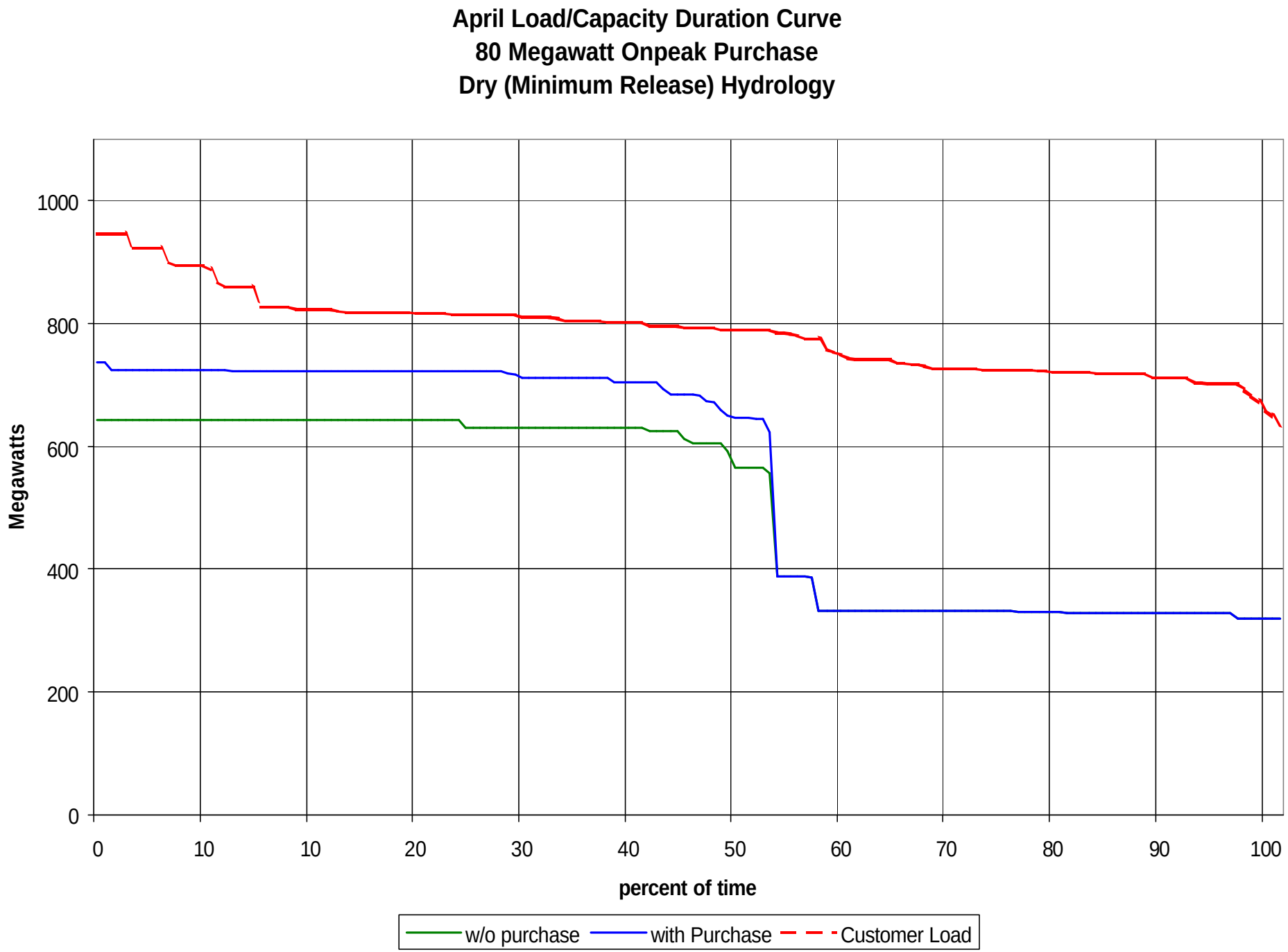
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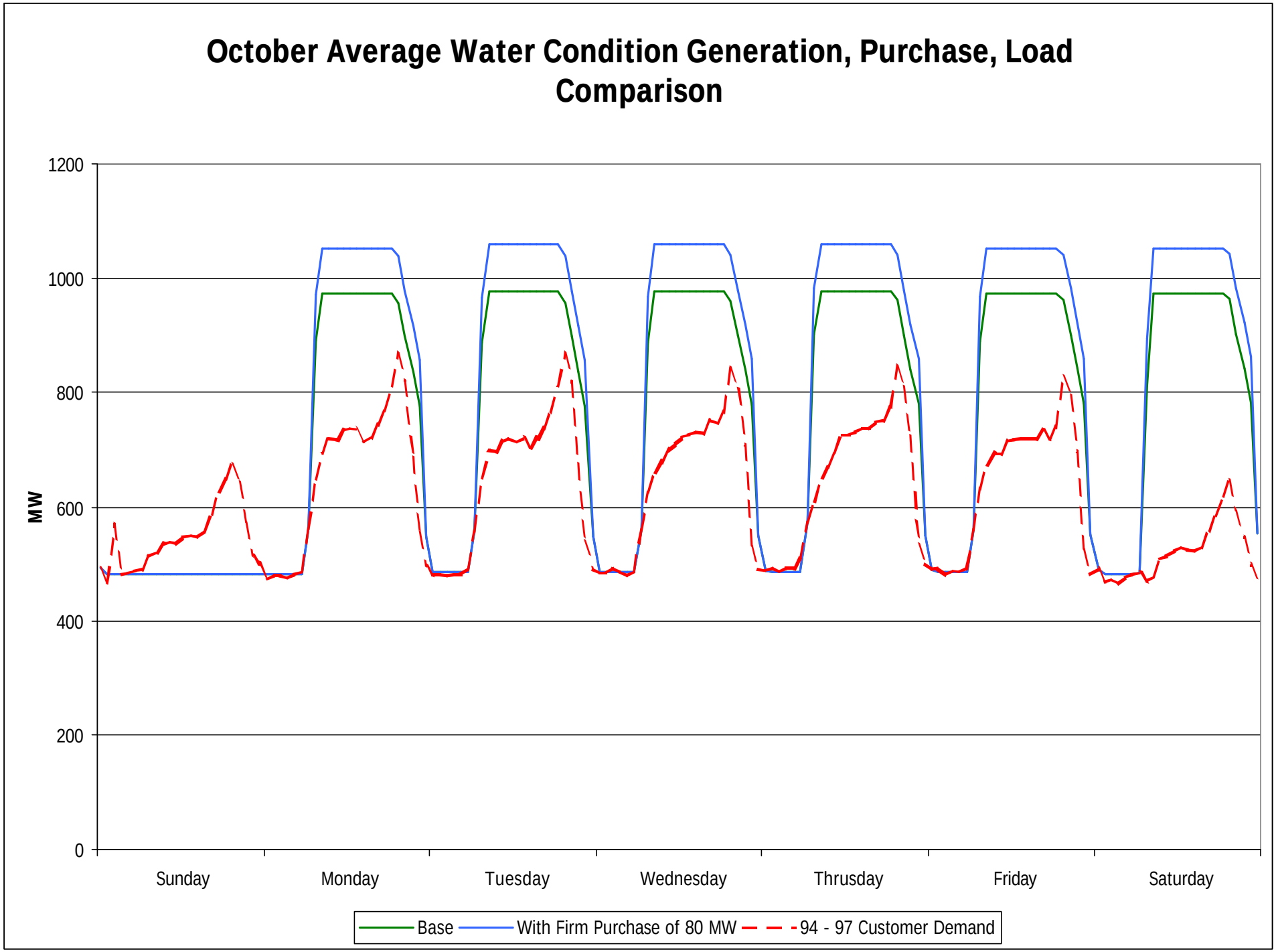
Average Hydrology, Shoulder Months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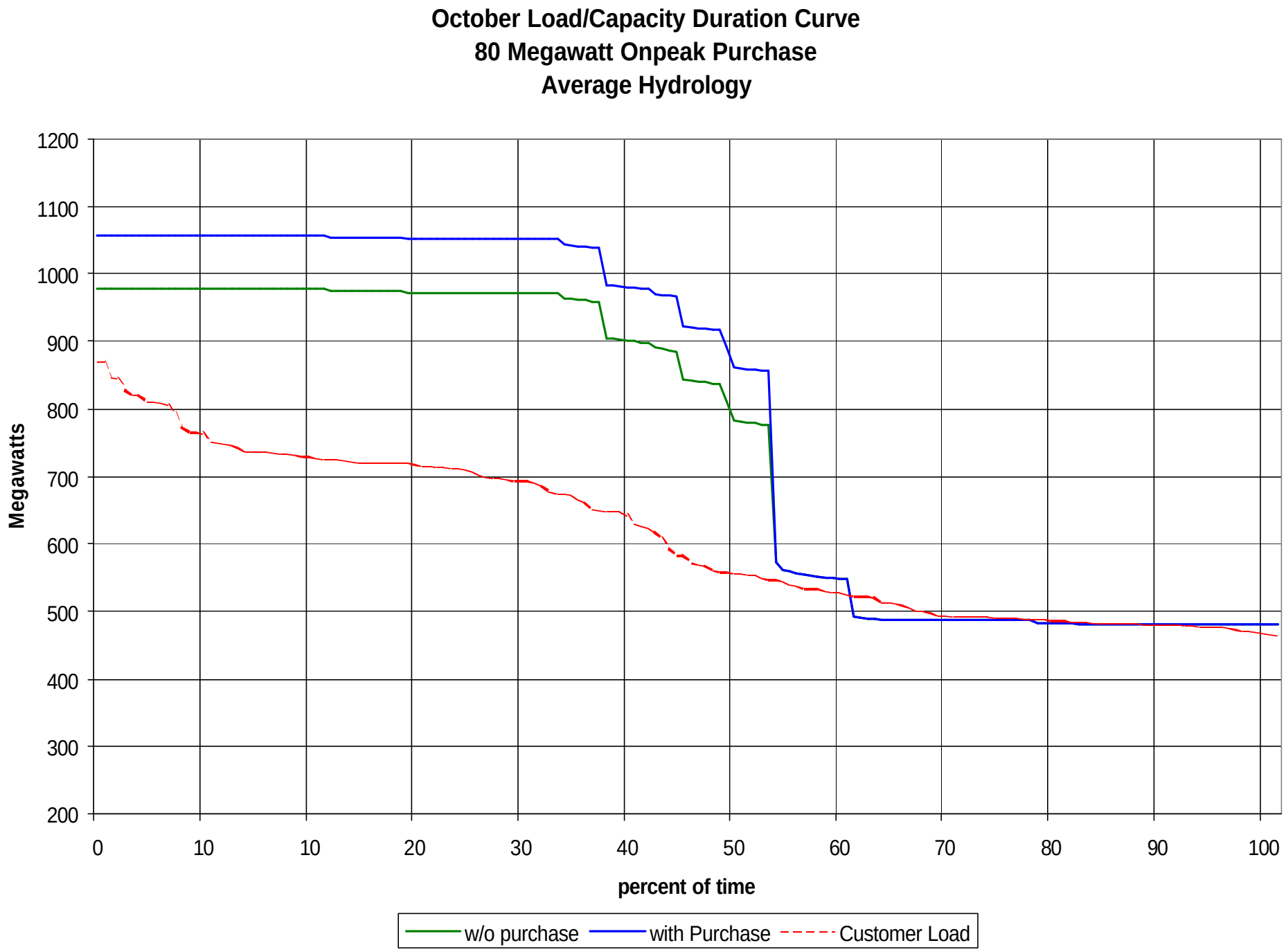
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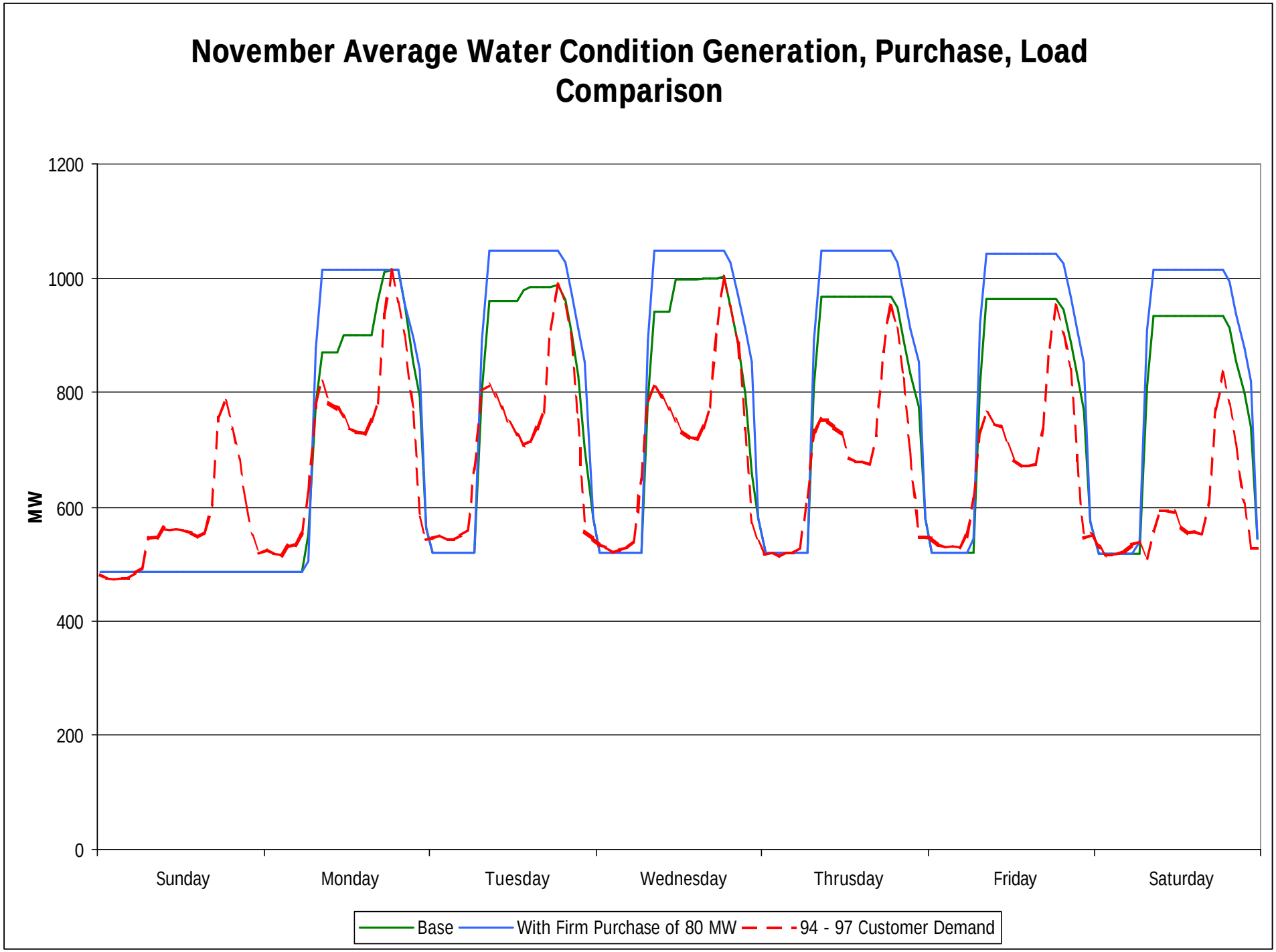
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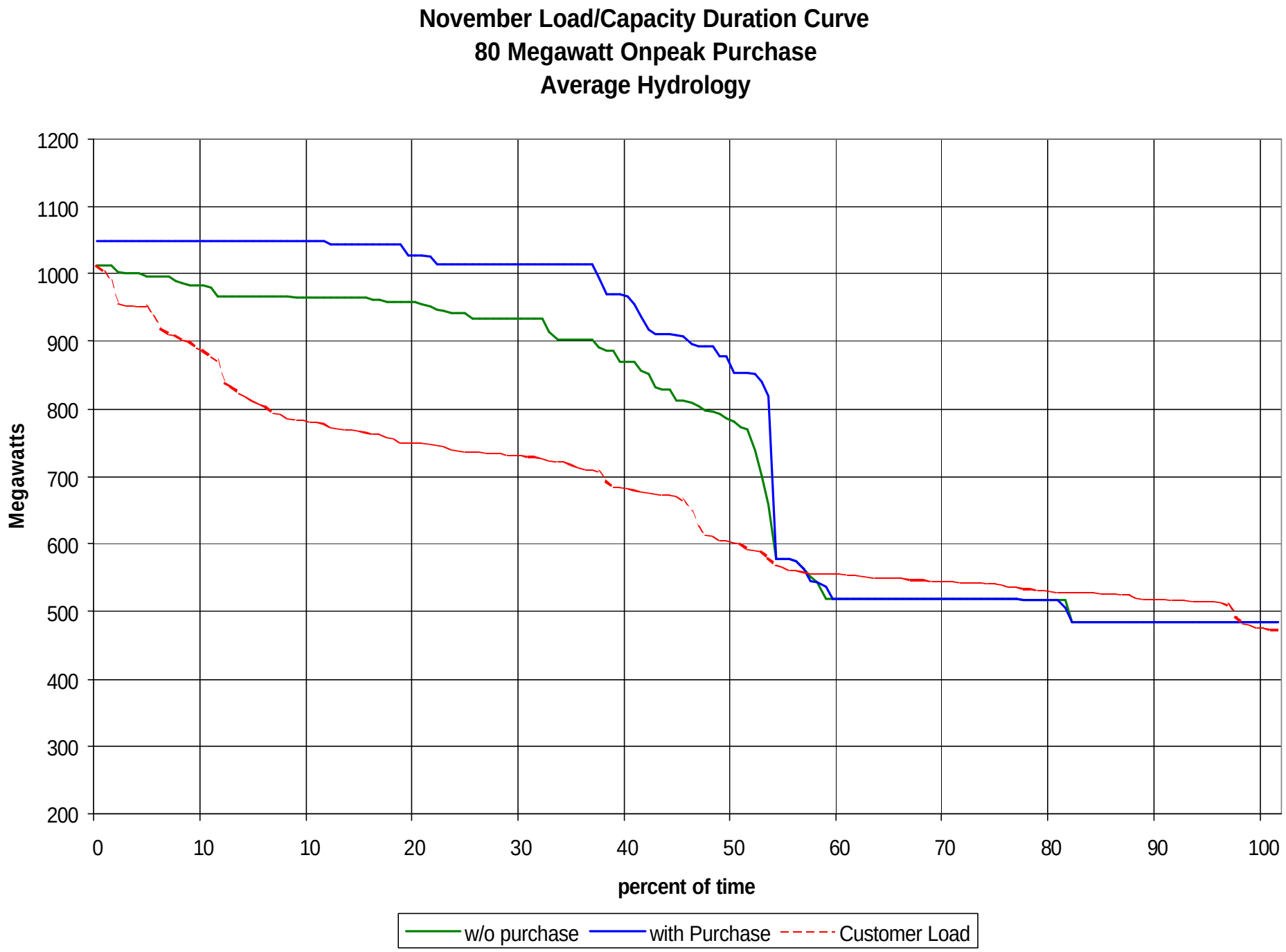
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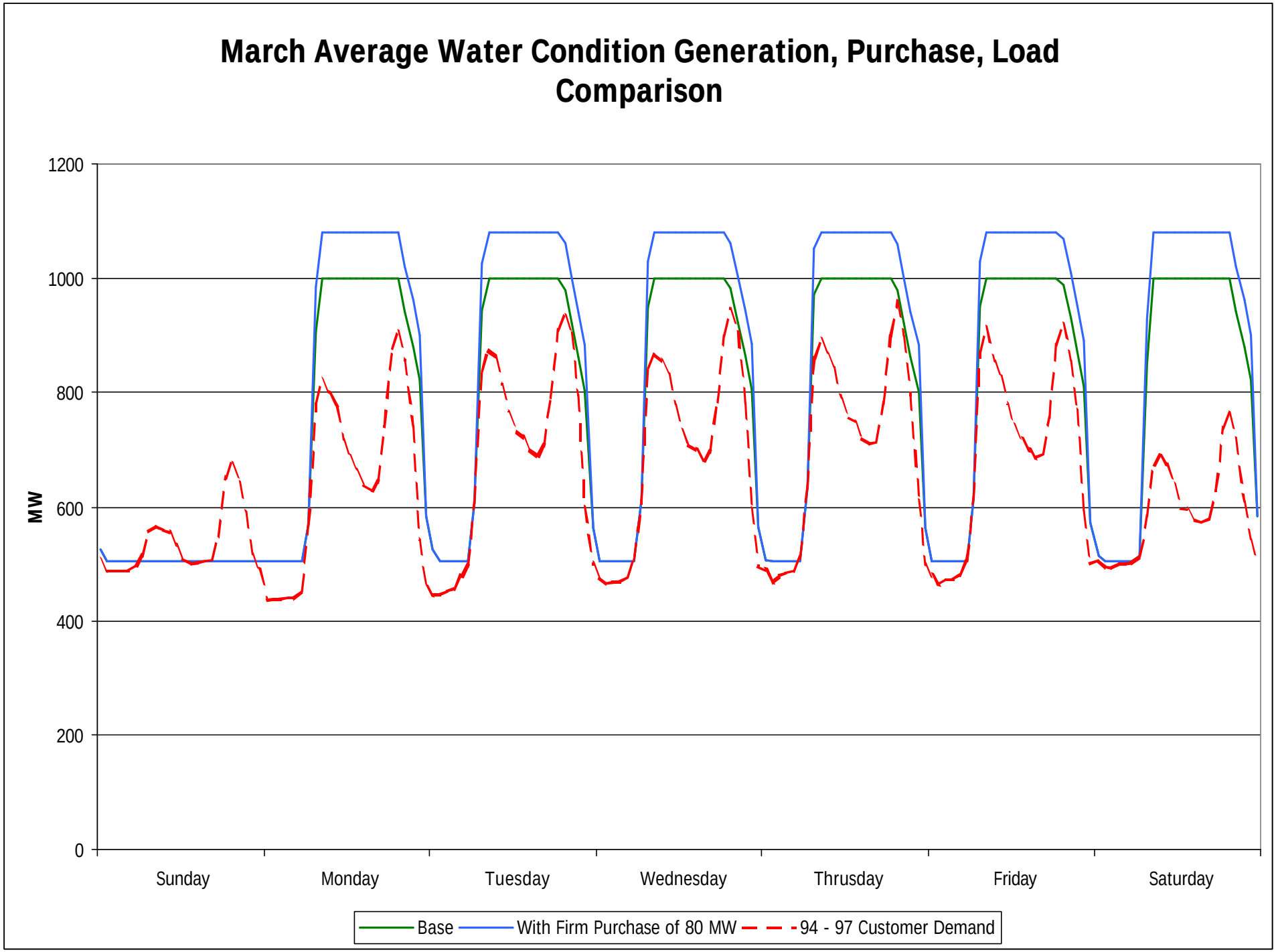
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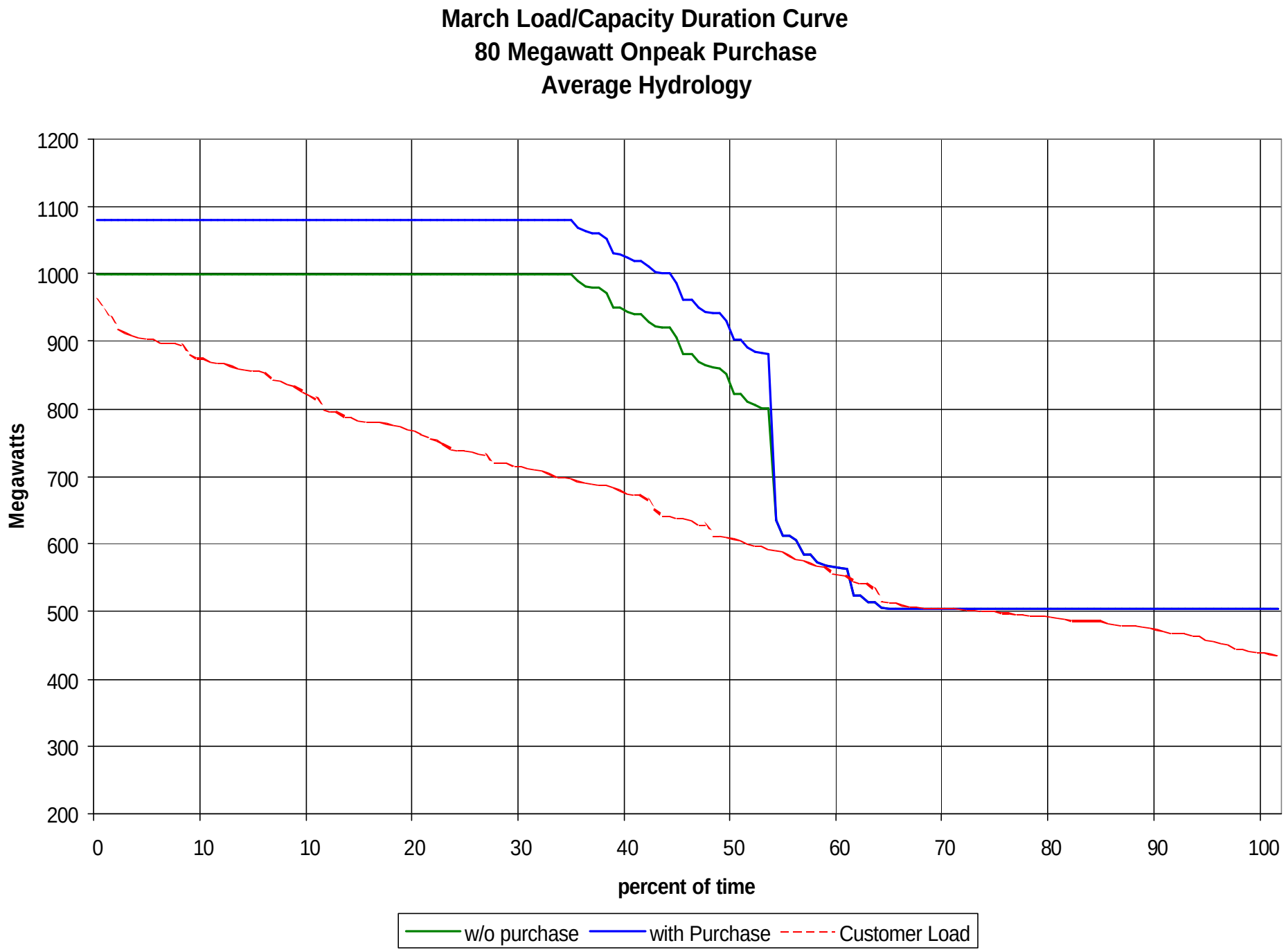
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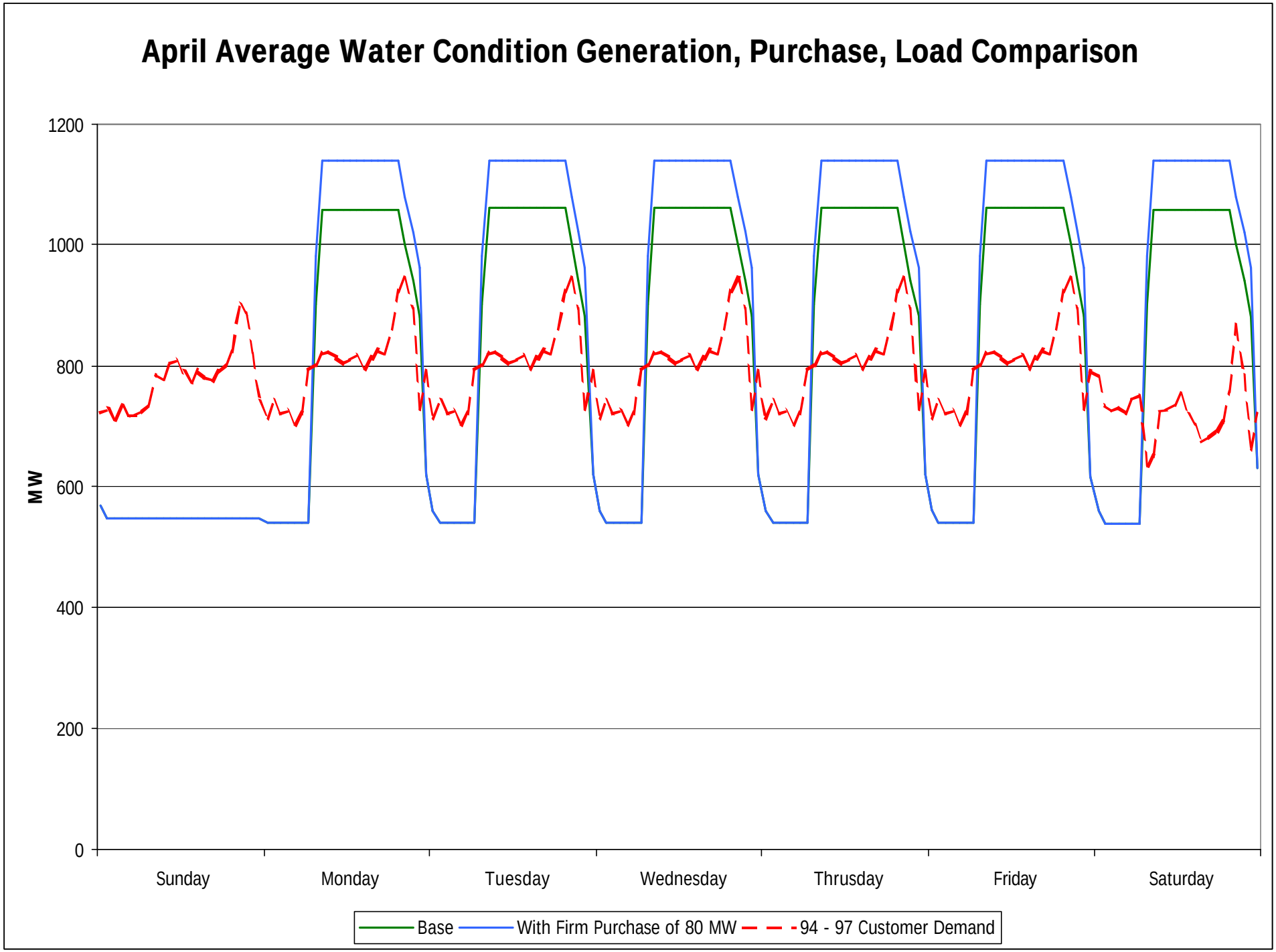
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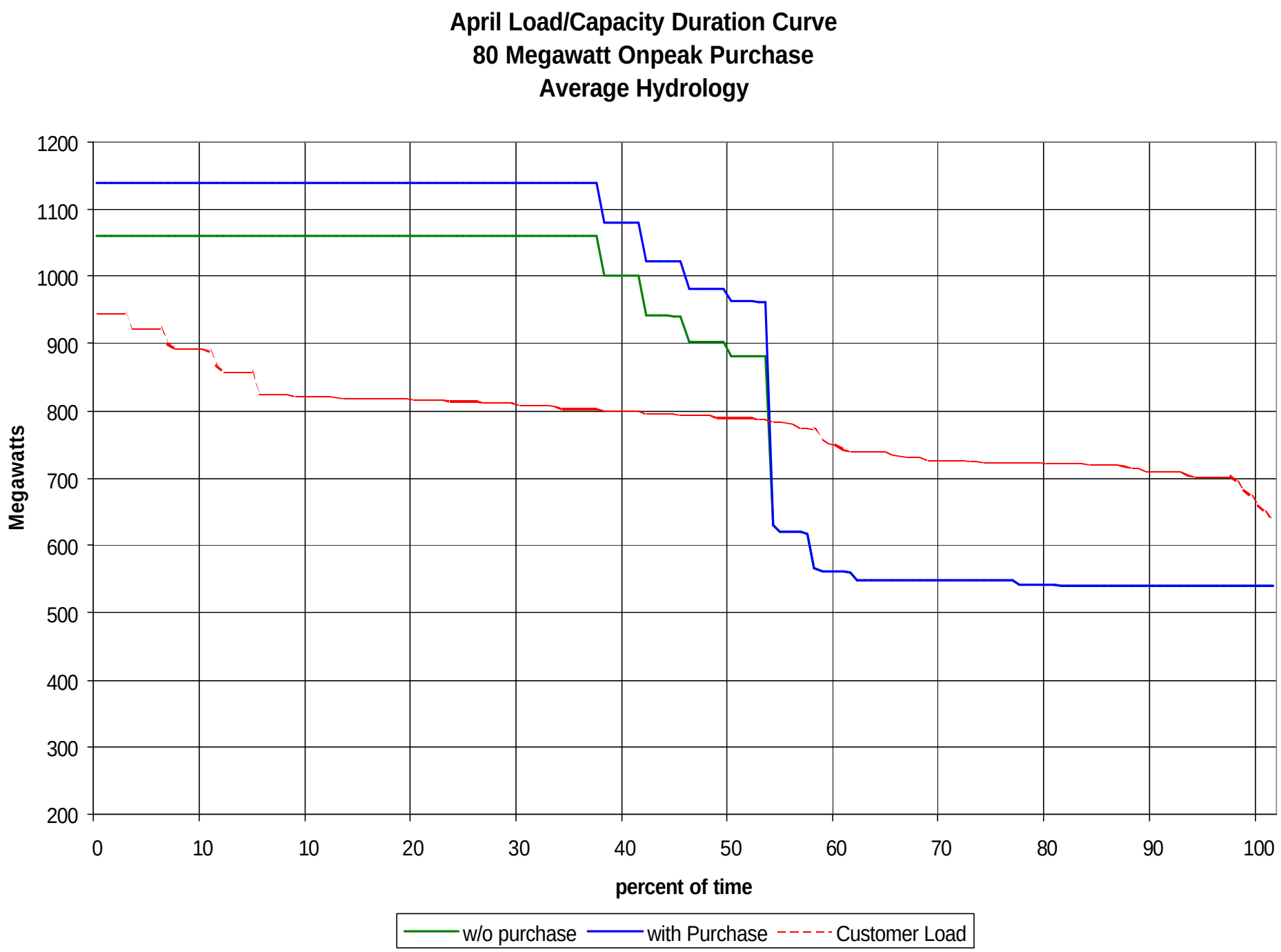
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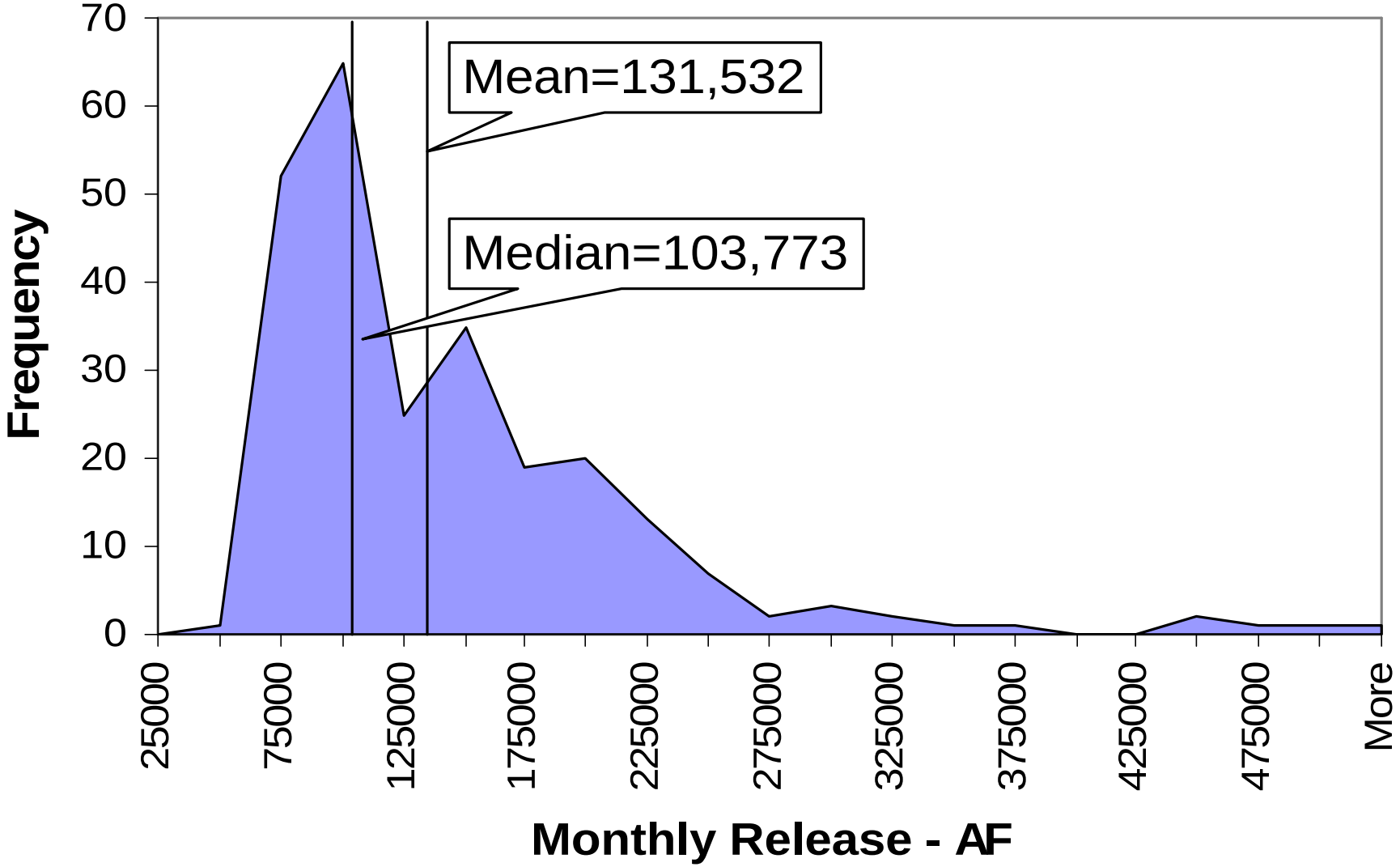
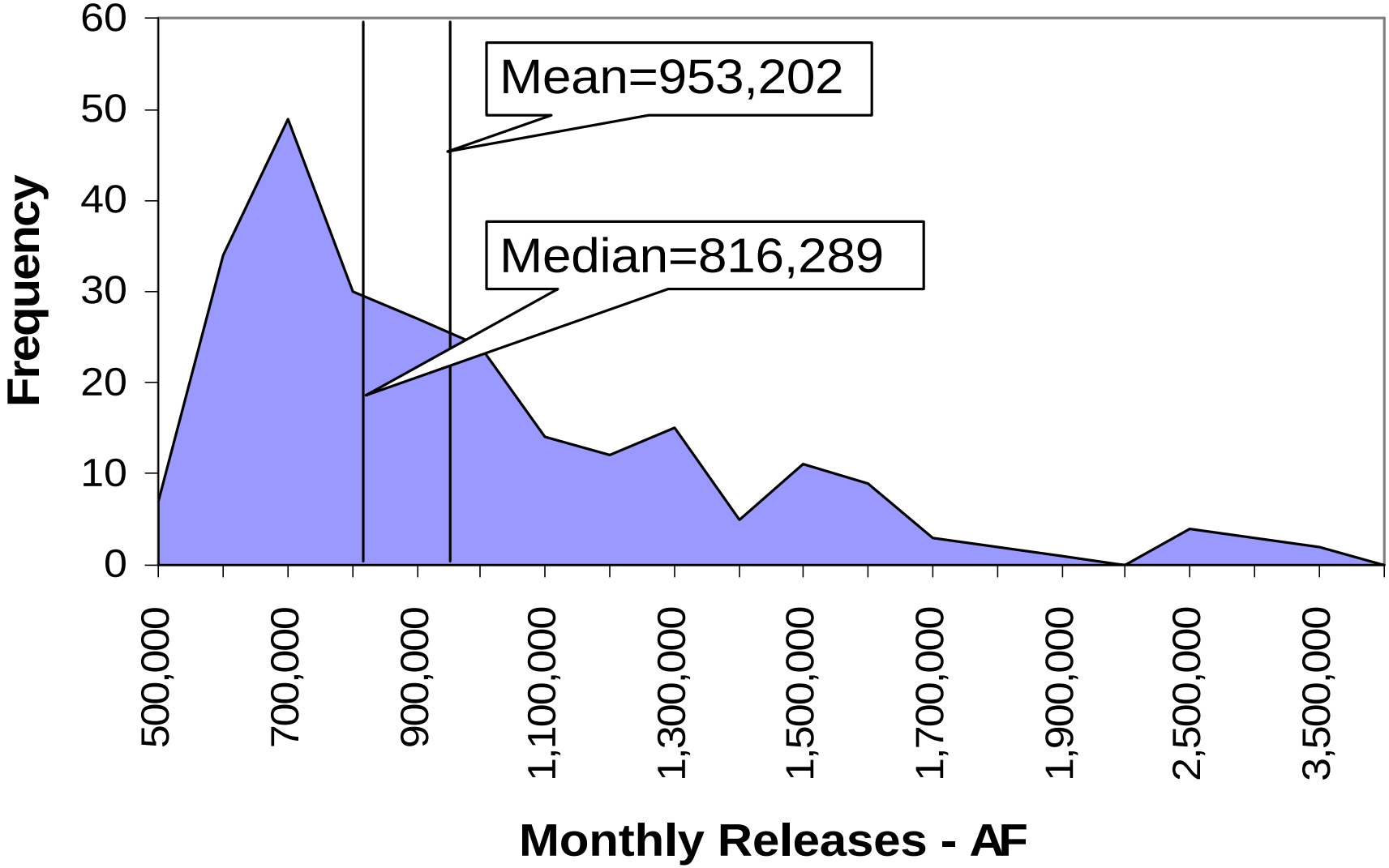
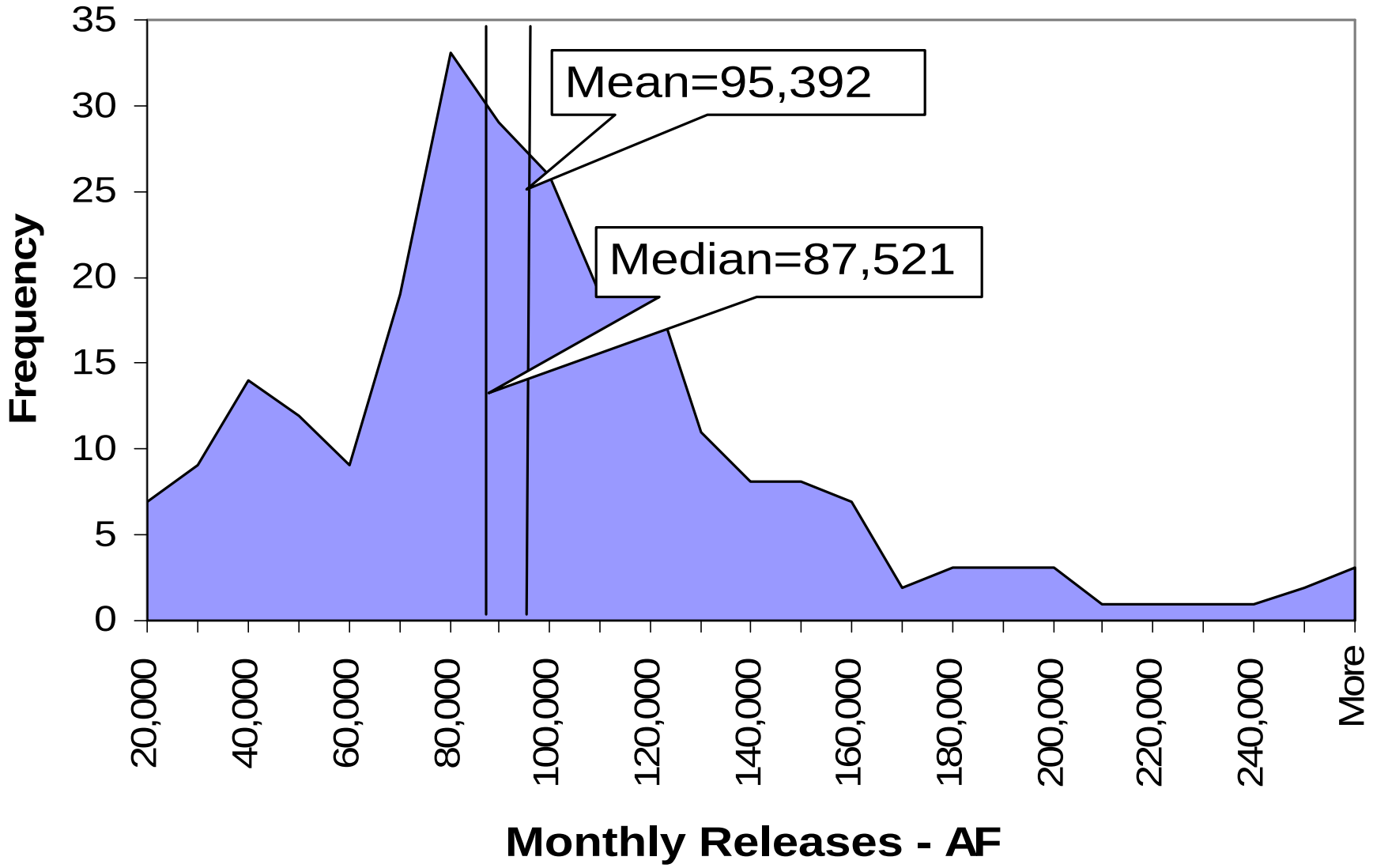
Statistical Analysis of 1980-2000 Water Releases by Dam and by Month

FG Histogram - All 12 Months



GC Histogram - All 12 Months



MP Histogram - All 12 Months