

**ATTACHMENT 1****SAU 16  
Total Resource Cost Test  
20 Year Analysis****Solar PV Facility****Benefits**

Capacity	
Generation	\$114,289
Transmission	\$128,699
Distribution	\$128,010
DRIPE	\$13,248
Localized Distribution	\$0
Total Capacity	\$384,246
Energy	
Winter	
Peak	\$37,722
Off Peak	\$49,055
Summer	
Peak	\$19,788
Off Peak	\$23,650
Total Energy	\$130,215
Other	
Energy DRIPE	\$26,718
CO2	\$0
REC Value	\$137,401
Total Other	\$164,119
Local Economic Dev	\$0
Total Benefits	\$678,580
Total Costs	\$783,545
Benefit/Cost Ratio	0.87

**SAU 16  
Total Resource Cost Test  
20 Year Analysis**

**Microturbine Facility**

**Benefits**

Capacity	
Generation	\$89,288
Transmission	\$100,546
Distribution	\$100,008
DRIPE	\$10,350
Localized Distribution	\$0
Total Capacity	\$300,192

Energy	
Winter	
Peak	\$122,007
Off Peak	\$158,662
Summer	
Peak	\$64,003
Off Peak	\$76,494
Total Energy	\$421,166

Other	
Energy DRIPE	\$86,417
CO2	\$0
REC Value	\$105,623
Total Other	\$192,040

Local Economic Dev	\$0
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Total Benefits	\$913,397
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Total Costs	\$428,667
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Benefit/Cost Ratio	2.13
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**ATTACHMENT 3**

**SAU 16  
Non-Participant Test  
Combined Analysis**

	<b><u>Solar PV</u></b>	<b><u>Microturbine</u></b>	<b><u>Solar/Micro</u></b>
Capacity			
Generation	\$57,144	\$44,644	\$101,788
Transmission	\$0	\$0	\$0
Distribution	\$0	\$0	\$0
DRIPE	\$13,248	\$10,350	\$23,598
Localized Distribution	\$0	\$0	\$0
Total Capacity	\$70,392	\$54,994	\$125,386
Energy			
Winter			
Peak	\$0	\$0	\$0
Off Peak	\$0	\$0	\$0
Summer			
Peak	\$0	\$0	\$0
Off Peak	\$0	\$0	\$0
Total Energy	\$0	\$0	\$0
Other			
Energy DRIPE	\$26,718	\$86,417	\$113,135
CO2	\$0	\$0	\$0
REC Value	\$104,744	\$0	\$104,744
Total Other	\$131,462	\$86,417	\$217,879
Local Economic Dev	\$0	\$0	\$0
Total Benefits	\$201,855	\$141,411	\$343,265
Total Costs (incl excess tax credits)	\$198,783	\$132,149	\$330,932
Benefit/Cost Ratio	1.02	1.07	1.04

## ATTACHMENT 4

**Stratham/SAU 16  
Non-Participant Test  
Combined Analysis**

	<u><b>Stratham</b></u>	<u><b>SAU 16</b></u>	<u><b>Combined</b></u>
<u>Benefits</u>			
Capacity			
Generation	\$57,144	\$101,788	\$158,933
Transmission	\$64,350	\$0	\$64,350
Distribution	\$64,005	\$0	\$64,005
DRIPE	\$6,624	\$23,598	\$30,222
Localized Distribution	\$0	\$0	\$0
Total Capacity	\$192,123	\$125,386	\$317,509
Energy			
Winter			
Peak	\$18,861	\$0	\$18,861
Off Peak	\$24,527	\$0	\$24,527
Summer			
Peak	\$9,894	\$0	\$9,894
Off Peak	\$11,825	\$0	\$11,825
Total Energy	\$65,108	\$0	\$65,108
Other			
Energy DRIPE	\$13,359	\$113,135	\$126,494
CO2	\$0	\$0	\$0
REC Value	\$32,823	\$104,744	\$137,567
Total Other	\$46,182	\$217,879	\$264,062
Local Economic Dev	\$0	\$0	\$0
Total Benefits	\$303,413	\$343,265	\$646,678
Total Costs	\$543,755	\$330,932	\$874,687
Benefit/Cost Ratio	0.56	1.04	0.74