

Attachment C
Solar Projects Investment Summary
March 28, 2023

Carrboro	<i>203 Building</i>	<i>Fire Station</i>	<i>Public Works</i>
<i>Size kW DC:</i>	103.7	40	11.5
<i>Size KW AC</i>	100	34.6	10
<i>Annual kWh production:</i>	137,125	48,379	16,415
<i>Estimated Annual Savings</i>	\$10,970	\$2,506	\$1,477
<i>Estimated Reduction in Green House Gas (GHG) Emissions in metric tons over 20 years</i>	2148	758	258
<i>Cash Purchase</i>			
<i>Purchase Price (sales tax included)</i>	(\$254,953)	(\$94,342)	(\$44,679)
<i>Duke Energy Rebate</i>	\$75,000	\$25,950	\$7,500
<i>Direct Pay</i>	\$76,486	\$28,303	\$13,404
<i>Net Cost</i>	(\$103,467)	(\$40,089)	(\$23,775)
<i>30 Year NPV estimate (3% discount rate)</i>	\$145,533	\$9,995	\$4,985