



CMS Solar Project

- Goal: Net Zero Building or generating as much energy as being used on site
- Cost will be separate from proposed article
- CMLP is leading the design and financing



CURRENT STATUS

- CMLP hired a consultant to assist
- Completed feasibility study of maximum installation
- Rooftop and ground canopies are possible



3 SIMILAR PARKING CANOPY



4 SIMILAR ROOFTOP CANOPY



1 1,263.32 kWdc (1,216.5 kWac) PV ARRAY WITH 2,748 QTY MODULES AT 7° THRU 10° FIXED TILTS



CMSBC AND CMLP COORDINATION

- Designers have been collaborating
- CMLP has met with CMSBC on several occasions
- Project has been presented to the Light Board
- Estimated energy use intensity (EUI) < CCHS
 - CCHS approximately uses less than 1 MW
 - Max capacity is approximately 4MW so even if half are installed, we should be able to meet need



CMLP NEXT STEPS

- If the CMS warrant article is approved:
 - CMLP consultant will work with CMS designers to design a system meeting or exceeding energy needs
 - With size and capacity numbers, CMLP will determine the financing to ensure equitable benefits to customer base



TIMING OF SOLAR

- Will aim to work in tandem with CMSBC timeline:
 - 1.5 of design and bid
 - 1.5 years of construction
- Exact timing of construction will need to be assessed during future design phase



COST ESTIMATES OF SOLAR

Rooftop Panels **\$1,900,000**

Canopy **+\$2,000,000**

Total for Solar **\$3,900,000**

Battery **\$4-6 million** (depending upon size)