CASE STUDY
SOLAR PV OPERATIONS AND MAINTENANCE PROGRAM

Clean Energy Future
In 2011, Metro committed to using 33% renewable electricity by 2030. We are on track to achieve this goal, having reached 31% renewable electricity in 2018. Solar PV technology is a key component of Metro’s overall renewable energy strategy. Metro generated 2.9 million kilowatt hours (kWh) from our PV installations in 2018 and is expecting additional PV systems to begin generating renewable energy in 2019 and beyond.

Maximizing Performance
To support our renewable energy investments, Metro launched the PV Operations and Maintenance Program in 2014, providing technical training and resources to Metro maintenance personnel at facilities that host PV systems. Since program inception, Metro has provided over 700 hours of training to 120 personnel, resulting in faster response times and more system uptime.

Working side by side with industry experts, this program teaches Metro staff to benchmark energy generation and troubleshoot issues, ensuring that the PV systems safely perform at peak capacity. As a result, system performance has improved year over year. The system output in 2018 represents a 25% increase since 2016 and a 9% increase since 2017. In 2018, Metro expanded the PV program by creating site-specific operation and maintenance resources and developed standard operating procedures, helping Metro care for its sustainability assets for the long term.

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