

**Operations Report  
RMU Board of Public Works Meeting**

**Date of Report:  
September 24, 2024**

<b>CURRENT WORK</b>	
<b>Location and Description</b>	<b>Timeline</b>
<b>Electric</b>	
Spare 138 kV transformer at Alfermann Substation: Replacement of sulfur containing oil and replacement of the 4 low side bushings.	Completed
Lions Club Drive from Rolla Street to Bishop Avenue (Hwy 63): Work associated with developing connection between Bridge School Road and Dewing Substations.	In progress
MO S&T South Substation: Extension of overhead 34.5 kV system and installation of new metering.	RMU's service to this substation is supplying service to only the station service transformer: September 2024
MO S&T North Substation: Revision of overhead 34.5 kV system to move switch plus addition of recloser and new metering for connection to new substation.	MO S&T Campus being supplied from their north substation: September 2024
Pine Street from 12th Street to Bishop Avenue: New roadway lighting as part of City of Rolla street project.	Pending development of design by City's Consultant and review by planning committee.
Main Street from 10th Street to 11th Street and 11th Street from Main Street to alley east of Rolla Street: New underground distribution system to eliminate overhead in alley east of Rolla Street between 10th and 11th Streets (and some additional overhead) plus provide service to new construction at 1008 North Rolla Street.	In progress
1011 West 14th Street: Commercial development that will include new electric service and requiring relocation of some existing overhead electric distribution facilities serving adjacent customers.	In progress
Colonial Trails (Cedar Hills PUD): Extension of underground electric to serve new residential housing.	In progress. Further work pending additional construction by Developer.
Aintree Road (East and West sides): Replacement of underground primary.	In progress
Scottsdale Drive to Curtis Drive: Conversion of overhead to underground.	In progress
10th and Maple Streets: New parking lot with lighting	Completed
2003 North Bishop: Upgrade of electric service as part of remodel / expansion.	Coordinating with Owner's contractor and MoDOT
500 South Bishop (WalMart): Owner initiated project to reconfigure from two electric services to one.	Owner's contractor has started installing secondary conduit.
500 South Bishop (WalMart): Revise electric distribution system.	Pending work by Owner's contractor and easement from Owner.
612 North Pine Street renovations	Owner submitted plans issued for bidding to RMU.
511 Christy Drive: Removal of overhead primary from Christy Drive and replacement with underground primary from Southview Drive	Completed
Heritage Substation: Updating of relay controls and replacement of conductor out of substation for 2 circuits that were not replaced when the other were replaced.	Fall 2024

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Generators: Installation of louvers over openings in containers to better retain heat in the units when not in operation.	Additional units have been ordered to be installed before winter.
Additional pole attachments by multiple companies expanding telecommunications infrastructure in Rolla. Additional attachments will involve hundreds of poles.	In progress
Repairs to and replacements of poles as needed as identified by pole audit. Work includes repairs to anchoring, crossarms, insulators and similar and replacement of the entire pole system if necessary. Some work has been on an emergency basis while others will take place over time depending upon the severity of the problem.	In progress
US Department of Energy - Grid Resilience and Innovation Partnerships (GRIP) program to enhance grid flexibility and improve the resilience of the power system against growing threats of extreme weather and climate change.	Information provided to MPUA for inclusion in MPUA application to US DOE.
Inventory: Reviewing inventory system, including what is to be classified as inventory, as part of accounting software transition.	In progress
Reliable Public Power Provider (RP3): Sumbittal of tri-annual application to APPA.	In progress
<b>Fiber and SCADA</b>	
Alley behind 1102 and 1104 North Rolla Street: Removal of RMU's overhead electric and fiber.	In progress
Nagogami Substation to Nagogami Standpipe: Extension of fiber system to reduce reliance on radios.	As time allows
9th Street Conversion - Phase 1 (9th and Rolla Street to 10th and State Street): Convert existing overhead to underground.	Completed
Additional circuits for customer.	Pending feedback from potential customer
SCADA system: Upgrade to allow for improved remote access for RMU staff.	In progress
Heritage Substation: Conversion of SCADA monitoring from radio to fiber.	Fall 2024
Well #2: Conversion of monitoring from radio to fiber while pump system and electric system improvements are made.	Pending pump replacement and ancillary work
Well #10: Conversion of monitoring from radio to fiber while pump system and electric system improvements are made.	Pending pump replacement and ancillary work
<b>Water</b>	
HyPoint Well #3 to 4120 Highway V: Extension of water distribution system to serve new development. (RMU work)	Completed
2000 Block of North Bishop Avenue: Water distribution system improvements to relocate water system from conflict with new building and replacement of cast iron water mains.	In progress
7th Street from Pine to Rolla Street: Replacement of old, small line to support commercial redevelopment that will require larger service line.	In progress
4120 Highway V: Commercial development (Developer work)	Completed
Rt. 66 Preferred RV Parking: Electric and water services to new development.	Developer installing water distribution system improvements.

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MO S&T Protoplex: Water distribution system extension.	Developer installing water distribution system improvements.
Lead Service Line inventory.	In progress (EPA deadline: October 16, 2024)
Viewing meter pits, meter, etc while checking meter pits for service line material.	In progress with LSLI
10th Street Water: Replacement of water main (to be installed by contractor).	RMU staff working on system connections and connecting services to new main.
Well #2: Pump system to be replaced due to diminished output. Electric system upgrades (disconnect, motor starter, and related) along with control system and monitoring to be replaced also.	Quotes have been received and work is being scheduled
Well #10: Pump system to be replaced due to diminished output. Electric system upgrades (disconnect, motor starter, and related) along with control system and monitoring to be replaced also.	Quotes have been received and work is being scheduled
Nagogami Pressure Zone: Consideration of water distribution system improvements to development area(s) north of I-44. Any improvements would likely utilize the \$2 million of funds allocated by Legislative Priority Projects by State of Missouri for water and wastewater improvements.	Nagogami Booster Pump Station: Application for a Construction Permit has been submitted to DNR.
Inventory: Reviewing inventory system, including what is to be classified as inventory, as part of accounting software transition.	In progress

<b>AESTHETIC CHANGES THIS PERIOD</b>	
4000 Enterprise Drive: Removal of some spans of overhead electric no longer needed.	Completed
Christy Drive: Removal of overhead electric no longer needed after reconfiguration of service to 511 Christy Drive.	Completed
North of Williams Road and east of Faulkner Avenue: Removal of overhead electric no longer in use.	Completed

<b>FUTURE IDENTIFIED WORK</b>	
<b>Location and Description</b>	<b>Timeline</b>
<b>Electric, Water, and/or Fiber</b>	
4000 Enterprise Drive (MO S&T): Requested additional transformer capacity and new service to existing building.	Pending update from Owner's contractor for project schedule.
3701 HyPoint Blvd: Expansion	Pending information from Owner and / or their Consultant
Tim Bradley Way: Potential development	Pending feedback after request made to RMU for information about existing infrastructure
Main Street from 4th Street to 11th Street: System modifications as needed in conjunction with City street, sidewalk, and stormwater project.	Pending design information from City
1630 Old Wire Outer Road: New commercial development	Review of plans submitted by developer
600 North Rolla Street: Commercial remodel	Review of plans submitted by developer

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408 East 5th Street: Mixed use development	Pending information from Owner and / or their Consultant.
Ashley Drive: Residential construction	Pending information from contractor.
Cedar Trails multi-family development	Pending information from developer and/or their consultants.
<b>Electric</b>	
Highway E Sidewalk Improvements - Vista Drive to north City Limits: Improvements to roadway lighting in conjunction with City project.	Dependent upon schedule of City contractor.
The Highlands subdivision (Highway 72 South): Development of new residential subdivision.	Preliminary design
Rt. 66 Preferred RV Parking: Electric and water services to new development.	Pending information from Developer
Review of transformer sizing relative to customer loads for some larger transformer locations.	In progress
Steeplechase Road (East side): Replacement of underground primary.	2024
9th Street Conversion - Phase 1 (9th and Rolla Street to 10th and State Street): Convert overhead electric distribution to underground.	2023
9th Street Conversion - Phase 2 (Elm Street to Rolla Street): Convert overhead electric distribution to underground.	2023/2024
11th Street from Oak Street to Rolla Street: Utilization of electric conduit system installed earlier.	2024
611 North Pine Street: Reconfiguration of primary electric so that property owner can relocate electric meters.	Pending review by property owner
909 Facilities Avenue (MO S&T Temporary Research Facility): Revision to electric service to connect directly to RMU.	Pending information from University
705 South Bishop Avenue: Installation of 480 volt service for installation of EV charging	Pending information from contractor / owner
Distribution circuit connection between Dewing Substation and Bridge School Road Substation	Preliminary design review and discussions with Intercounty Electric about joint attachment in progress.
Highway 63 South from Williams Road to Little Oaks Road - Removal of overhead utilities	Undetermined
10th Street from Cedar Street to Forum Drive: Removal of overhead utilities	Undetermined
Removal of overhead fiber storage and related aesthetics	Undetermined
RMU switchgear at Phelps Health	Undetermined
RMU switchgear at Hartmann USA	Options being considered by RMU staff.
Customer-owned generation facilities - Net metering (less than 100 kW) and PURPA (over 100 kW): Monitoring of testing and insurance requirements, review of applications, and installing new metering.	As needed
<b>Water</b>	
Eastwood Drive: Replacement of old water main.	As time allows
Elmwood Drive: Replacement of old water main.	As time allows
Cedar Hill Court: Replacement of old services.	2024
Mimosa Court: Replacement of old services.	2024

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10th Street from Main Street to Rolla Street: Replacement of old water main.	2024
Rolla Street from 10th Street to 11th Street: Replacement of old water main.	2024
10th Street from Main Street to State Street: Abandonment of old water main.	2024
Strobach Street, South Walker Avenue, and South Spillman Avenue: Replace water main and/or service lines as needed in conjunction with City street overlay project.	2024
South Olive Street: Replace water main and/or service lines as needed in advance of City street micropaving project.	2024
HyPoint Well #2: Conversion to pitless well head, replacement of well house (including piping and chemical feed systems), and interconnecting piping.	In progress
<b>Fiber</b>	
9th Street Conversion - Phase 2 (Elm Street to Rolla Street): Convert existing overhead to underground.	2024
Rolla Public Schools RTC building: Reconfigure RMU fiber going into and through the building.	2025
Fiber extensions requests for customers.	As requested