



# ANNUAL OUTAGE PLAN

2019

PROJECT NAME	MONTH	DURATION IN HRS	PIPELINE CAPACITY IMPACT	DESCRIPTION OF WORK
Chippewa Falls Turbine OH/Replacement	June	1440	No impact anticipated	Turbine Overhaul
Milaca Pipe Exposure	June	72	No Flow through the affected area on either side of the work location. Customers/shippers between affected area and Marshfield must nominate from Chisago or Marshfield during the 72 hour outage. Customers/shippers between affected area and Emerson must nominate gas from Genola, St. Vincent or Emerson during the 72 hour outage.	Bore in new pipe to remediate exposure
Ada Unit 2A Engine OH	July	336	No impact anticipated	Engine Overhaul
Ada unit 3A Compressor OH	July	432	No impact anticipated	Compressor Overhaul

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Perham MLV	July	72	No Flow through the affected area on either side of the work location. Customers/shippers between affected area and Marshfield must nominate from Genola, Chisago or Marshfield during the 72 hour outage. Customers/shippers between affected area and Emerson must nominate gas from St. Vincent or Emerson during the 72 hour outage.	Install new MLV at Perham
Chippewa Falls Lateral L/R Install	July	48	No Flow through the Chippewa Falls Meter Station during the 48 hour outage. Other options will be reviewed as the project gets closer.	Install Launcher Receiver for CF Lateral-Stopple Bypass options are being evaluated to minimize pipeline impact.
Menomonie Lateral L/R Install	July	72	No Flow through the Menomonie Meter Station during the 72 hour outage. Other options will be reviewed as the project gets closer.	Install Launcher Receiver for M Lateral-Stopple Bypass options are being evaluated to minimize pipeline impact.

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Ada unit 3A Turbocharger OH	August	72	No impact anticipated	Turbocharger Overhaul
Hay Creek Exposure	August	96	No Flow through the affected area on either side of the work location. Customers between affected area and Marshfield must nominate from Genola, Chisago or Marshfield during the 96 hour outage. Customers/shippers between affected area and Emerson must nominate gas from St. Vincent or Emerson during the 96 hour outage.	Open ditch new pipe to remediate exposure
Fargo Lateral Pig run	August	24	No impact anticipated	DEF Tool
Fargo Lateral Pig run	August	24	No impact anticipated	AMFL Tool
Frazee to Cushing Pig run	August	24	No impact anticipated	CMFL/AMFL/DEF Tool

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Menomonie Lateral Pug run	August	24	No impact anticipated	DEF Tool
Menomonie Lateral Pug run	August	24	No impact anticipated	DEF/AMFL Tool
Chippewa Falls Lateral Pig run	August	24	No impact anticipated	DEF Tool
Chippewa Falls Lateral Pig run	August	24	No impact anticipated	AMFL/DEF Tool
Eau Claire Lateral L/R Install	September	72	No Flow through the Eau Claire Meter Station during the 72 hour outage. Other options will be reviewed as the project gets closer.	Install Launcher Receiver for EC Lateral-Stopple Bypass options are being evaluated to minimize pipeline impact.
Ada Drip	September	48	No Flow through the affected area on either side of the work location. Customers/shippers between affected area and Marshfield must nominate from Genola, Chisago or Marshfield during the 48 hour outage. Customers/shippers between affected area and Emerson must nominate gas from St. Vincent or Emerson during the 48 hour outage.	Replace Drip- Stopple Bypass options are being evaluated to minimize pipeline impact.

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