

q\_MTEP\_SPM\_PrePlanPrjList

Rep Source	PrjID	TO Justification Posted	In Model	Proj_Name	Proj_Desc
ITC	1850	Yes	Yes	Hancock 230/120kV Transformer	Cut the Wixom-Quaker 230kV circuit into Hancock Station, install a 230/120kV transformer similar to the one at Quaker.
ITC	1856	Yes	Yes	Belle River - Greenwood - Pontiac 345kV cut into Jewell	Cut the Pontiac section of the Belle River-Greenwood-Pontiac 345kV circuit into and out of Jewell station. Utilize an existing unused side of 345kV tower for one of the circuits into Jewell, and relocate the Jewell-Spokane 230kV circuit
ITC	1860	Yes	No Topology	Breaker Replacement Program 2009	Throughout System
ITC	1861	Yes	No Topology	Breaker Replacement Program 2010	Throughout System
ITC	1862	Yes	No Topology	Cable Termination Replacement 2009	Throughout System
ITC	1863	Yes	No Topology	Cable Termination Replacement 2010	Throughout System
ITC	1864	Yes	No Topology	Relay Betterment Program 2009	Throughout System
ITC	1865	Yes	No Topology	Relay Betterment Program 2010	Throughout System
ITC	1872	Yes	Yes	Scio	Distribution Interconnection to add new 120/41kV transformer. Brings the Lark-Spruce 120kV circuit into the station.
ITC	2518	Yes	Yes	Bloomfield - Wheeler 120kV	Terminal equipment upgrade
ITC	2519	Yes	No Topology	Breaker Replacement Program 2011	Throughout System
ITC	2520	Yes	No Topology	Cable Termination Replacement 2011	Throughout System
ITC	2521	Yes	No Topology	Relay Betterment Program 2011	Throughout System
ITC	2523	Yes	No Topology	Capacitor Replacement 2009	Replace capacitor banks
ITC	2524	Yes	No Topology	Capacitor Replacement 2010	Replace capacitor banks
ITC	2525	Yes	No Topology	Capacitor Replacement 2011	Replace capacitor banks
ITC	2526	Yes	No Topology	Potential Device Replacement 2009	Replace aging potential devices
ITC	2527	Yes	No Topology	Potential Device Replacement 2010	Replace aging potential devices
ITC	2528	Yes	No Topology	Potential Device Replacement 2011	Replace aging potential devices
ITC	2529	Yes	No Topology	Power Plant Control Relocation 2009	Relocate substation controls currently located in power plants control rooms
ITC	2530	Yes	No Topology	Power Plant Control Relocation 2010	Relocate substation controls currently located in power plants control rooms
ITC	2531	Yes	No Topology	Power Plant Control Relocation 2011	Relocate substation controls currently located in power plants control rooms
ITC	2532	Yes	No Topology	Wood Pole Replacement 2009	Replace deteriorating wood pole
ITC	2533	Yes	No Topology	Wood Pole Replacement 2010	Replace deteriorating wood pole
ITC	2534	Yes	No Topology	Wood Pole Replacement 2011	Replace deteriorating wood pole
ITC	2535	Yes	No Topology	Synchronizing Sites 2009	New 120kV synchronizing sites
ITC	2536	Yes	No Topology	Synchronizing Sites 2010	New 120kV synchronizing sites
ITC	2537	Yes	No Topology	Synchronizing Sites 2011	New 120kV synchronizing sites
ITC	2538	Yes	No Topology	NERC Relay Loadability Compliance 2010	Upgrade relay through system

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ITC	2539	Yes	No Topology	NERC Relay Loadability Compliance 2011	Upgrade relay through system
ITC	2540	Yes	No Topology	Genoa - Latson	Rebuild 10 miles of 138kV line
ITC	2541	No	No Topology	Hunters Creek - Robin - Wabash	Replace insulators
ITC	2542	No	No Topology	Hunters Creek - Stratford - Pointiac	Add ground wire
ITC	2543	Yes	No Topology	MacSteel GOAB	Install 3-way GOAB switch at North Star Tap point on Custer-Monroe 120kV circuit
ITC	2544	Yes	Yes	Oakwood	New distribution interconnection served from River Rouge-Navarre 120kV circuit
ITC	2545	Yes	Yes	Marathon/Navarre	New distribution interconnection served from Navarre substation
ITC	2546	Yes	Yes	East Ann Arbor	New distribution interconnection served from Coventry-Superior 120kV circuit
METC	240	Yes	Yes	Garfield-Hemphill 138kV	Replace 9.1 miles of 336 ACSR with 1431 ACSR
METC	646	Yes	Yes	Edenville Jct. - Warren 138kV	Rebuild the Edenville-Warren 138kV line to 954 ACSR with future-double-circuit
METC	662	Yes	Yes	Weeds Lake	Loop the 345kV Argenta - Robinson Park 345kV circuit with a new 345/138kV EHV substation called Weeds Lake and loop in the two 138kV Argenta - Milham circuits into the new substation. Build 4 new (approximately 6 miles) 138kV circuits to loop the two Arg
METC	1806	Yes	Yes	Island Rd - Delhi 138kV	Rebuild 18.7 miles of 138kV line to 954 ACSR
METC	1809	Yes	Yes	Keystone - Tippy 138kV	Rebuild the 27 mile Keystone-Hodenpyl 138kV circuit to 954 ACSR future-double-circuit (pre-built 230kV)
METC	1810	Yes	Yes	Karn - Iosco 138kV	Rebuild 80 miles of 138kV to 954 ACSR.
METC	1821	Yes	No Topology	Breaker Replacement Program 2009	Throughout system
METC	1822	Yes	No Topology	Breaker Replacement Program 2010	Throughout system
METC	1823	Yes	No Topology	Relay Betterment Program 2009	Throughout system
METC	1824	Yes	No Topology	Relay Betterment Program 2010	Throughout system
METC	1826	Yes	No Topology	Sag clearance 2009	Throughout system
METC	1827	Yes	No Topology	Sag clearance 2010	Throughout system
METC	1828	Yes	Yes	Argenta-Palisades 345kV ckt. 1 & 2	Remove the SAG limit on Argenta-Palisades 345kV ckt 1 & 2. Upgrade terminal equipments at both substations.
METC	1833	Yes	No Topology	Sag clearance 2011	Throughout system
METC	1839	Yes	Yes	Acme	New 138/46kV Bulk Power station served from Keystone-Stover 138kV circuit. Requires a new 138kV ring bus at Plum station located at the Clearwater junction point.
METC	2473	Yes	CE upgrade - No METC topology changes	LaBarge	New distribution interconnection served from Gaines - Thompson Rd. 138kV.
METC	2474	No	Yes	Havard Lake	New distribution interconnection served from Four Mile - North Belding 138kV.
METC	2475	Yes	Yes	Titus Lake	Distribution interconnection to add a second transformer at Titus Lake.
METC	2476	Yes	Yes	Hubbardston Road	New distribution interconnection served from Marquette - Bingham 138kV.

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METC	2477	Yes	No Topology	Cochran Junction	Install a switch pole and line switch at Cochran junction towards Island Road.
METC	2478	Yes	Yes	Captial Ave	New distribution interconnection served from Battle Creek - Verona #2 138kV
METC	2479	Yes	CE upgrade - No METC topology changes	Chase	CE 138/46kV transformer upgrade at Chase substation
METC	2480	Yes	CE upgrade - No METC topology changes	Hazelwood	CE equipment upgrades on high side of 138/46kV transformer
METC	2481	Yes	Yes	Forest Grove	New distribution interconnection served from Campbell-Ransom 138kV circuit.
METC	2482	Yes	Yes	Hawthorne	New distribution interconnection served from Four Mile - Blendon 138kV circuit.
METC	2483	Yes	To be done	Maines Road	New distribution interconnection served from Marshall - Blackstone 138kV circuit
METC	2484	Yes	Yes	Scenic Lake	New distribution interconnection served from Cornell-Tihart 138kV circuit
METC	2485	Yes	To be done	Ironwood	New distribution interconnection served from CE's 138kV line between Ransom-Buck Creek 138kV.
METC	2486	Yes	To be done	Haakwood	New distribution interconnection served from Riggsville-Livingston 138kV (on the Rondo-Vanderbilt section)
METC	2487	Yes	To be done	Birchwood	New distribution interconnection served from Spaulding-Plaster Creek 138kV (on the Spaulding-Kraft section)
METC	2488	Yes	Yes	Stronach - Tippy 138kV	Terminal equipment upgrade
METC	2489	Yes	Yes	Keystone - Tippy 138kV	Terminal equipment upgrade
METC	2490	Yes	Yes	North Belding - Vergennes 138kV	Terminal equipment upgrade
METC	2491	Yes	Yes	Tallmadge - Wealthy 138kV ckt. #1	Terminal equipment upgrade
METC	2492	Yes	Yes	Battle Creek - Verona 138kV ckt. #2	Terminal equipment upgrade
METC	2493	Yes	Yes	Bullock - Summerton 138kV	Terminal equipment upgrade
METC	2494	Yes	Yes	Bullock - Dow Corning 138kV	Terminal equipment upgrade
METC	2495	Yes	Yes	Bullock - Warren 138kV	Terminal equipment upgrade
METC	2496	Yes	Yes	Bullock - Tittabawassee 138kV	Terminal equipment upgrade
METC	2497	Yes	No Topology	SCADA Redirection	Install and/or upgrade RTU's and SCADA points throughout system
METC	2498	Yes	No Topology	Breaker Replacement Program 2011	Throughout system
METC	2499	Yes	No Topology	Relay Betterment Program 2011	Throughout system
METC	2500	Yes	Yes	Murphy second 345/138kV transformer	Install a second 345/138kV transformer at Murphy substation
METC	2501	Yes	Yes	Northern Reactive	Install capacitors in the northern part of Michigan
METC	2502	Yes	Yes	McGulpin Shunt Reactor	Install shunt reactor McGulpin
METC	2503	Yes	No Topology	Battery Replacement 2010	Replace battery chargers
METC	2504	Yes	No Topology	Potential Device Replacement 2010	Replace aging potential devices
METC	2505	Yes	No Topology	Power Plant Control Relocation 2010	Relocate substation controls currently located in power plants control rooms

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METC	2506	Yes	No Topology	Transformer Monitoring 2010	Install temperature and bushing monitors on EHV transformers
METC	2507	Yes	Yes	Twining - Mio 138kV	Rebuild the Twining-Mio 138kV line to 954 ACSR future-double-circuit (pre-built to 230kV)
METC	2508	Yes	No Topology	Wood Pole Replacement 2009	Replace deteriorating wood pole
METC	2509	Yes	No Topology	Wood Pole Replacement 2010	Replace deteriorating wood pole
METC	2510	Yes	No Topology	Wood Pole Replacement 2011	Replace deteriorating wood pole
METC	2511	Yes	No Topology	Power Plant Control Relocation 2009	Relocate substation controls currently located in power plants control rooms
METC	2512	Yes	No Topology	Battery Replacement 2009	Replace battery chargers
METC	2513	Yes	No Topology	Potential Device Replacement 2009	Replace aging potential devices
METC	2514	Yes	No Topology	Transformer Monitoring 2009	Install temperature and bushing monitors on EHV transformers
METC	2515	Yes	No Topology	Tihart - Oakland (Genoa) 138kV	Rebuild 138kV line
METC	2516	Yes	No Topology	NERC Relay Loadability Compliance 2010	Upgrade relay through system
WPSC		Yes	Yes	Alba-Westwood Line Rebuild	Line becomes overloaded under contingency in 2009 85% case
WPSC		Yes	Yes	East Bay-South Boardman Line Rebuild	Line becomes overloaded under contingency in 2009 85% case
WPSC		Yes	Yes	South Boardman-Kalkaska Generation Line rebuild	Line becomes overloaded under contingency in 2009 Peak case