



Project Name: CHOUTEAU NATURAL GAS 495MW GRAND RIVER UNIT #3
COMBINED CYCLE ADDITION

[PEC Activity Diagram](#)

Industry Code: 01 Power Project Type: Grassroot
TIV (USD): \$372,000,000
SIC Code: 4911 Electric Services Sector: Power Generation
[Public Utilities]
SIC Product: 4911*0010 State Owned Power Generation



Status: Complete / Done

Initial Release: 12-Apr-2004 Last Update: 17-Jul-2017
Environmental: Air (A) Land (L) Water (W) Construction Labor Preference: Non-Union
Project Capacity: 495 MW of Electricity Operations Labor Preference: Non-Union

Plant Owner Grand River Dam Authority
Plant Parent Grand River Dam Authority
Plant Name Grand River Energy Center
Unit Name GRDA 03 GRDA 03 CT/HRSG
Plant ID 1016875
Location XXXX Highway XXX-B Phone +1 XXX-XXX-XXXX
City/State Chouteau, Oklahoma Zone/County OK*02, Mayes
XXXXXX-XXXX U.S.A.

Project Responsibility	Project Company	Project Contact
Project Manager	Grand River Dam Authority P O Box XXX Chouteau, Oklahoma XXXXXX-XXXX U.S.A.	XXXXX XXXXXXXXX Assistant General Manager Thermal [Tel.] +1 XXX-XXX-XXXX XXXXXXX@grda.com
EPC	The Industrial Company (TIC) P O Box XXX Chouteau, Oklahoma XXXXXX-XXXX U.S.A.	XXXXX XXXXXXXXX Project Engineer [Tel.] +1 XXX-XXX-XXXX; [Alt.] +1 XXX-XXX-XXXX XXXXXXX@ticus.com
EPC	Kiewit Engineering & Design Company XXXXX XXXXXXX Blvd. Lenexa, Kansas XXXXXX-XXXX U.S.A.	XXXXX XXXXXXXXX Project Manager [Tel.] +1 XXX-XXX-XXXX XXXXXXX@kiewit.com
EPC	Kiewit Engineering & Design Company P O Box XXX Chouteau, Oklahoma XXXXXX-XXXX U.S.A.	XXXXX XXXXXXXXX Site Project Construction Mgr. [Tel.] +1 XXX-XXX-XXXX; [Alt.] +1 XXX-XXX-XXXX XXXXXXX@kiewit.com
EPC	Kiewit Engineering & Design Company P O Box XXX Chouteau, Oklahoma XXXXXX-XXXX U.S.A.	XXXXX XXXXXXXXX Procurement Contracts Manager [Tel.] +1 XXX-XXX-XXXX; [Alt.] +1 XXX-XXX-XXXX XXXXXXX@kiewit.com
Eng	Black & Veatch Incorporated XXXXX XXXXXXX Ave. Overland Park, Kansas XXXXXX-XXXX U.S.A.	XXXXX XXXXXXXXX Project Manager [Tel.] +1 XXX-XXX-XXXX XXXXXXX@bv.com

PEC@ Timing: C1 PEC@ Activity: Completion/Start-Up
Project Probability: Completed (100%)

Scope: Grand River Dam Authority with Mitsubishi Power Systems Americas Inc & Black & Veatch & Kiewit and The Industrial Company (TIC) continues Final Commissioning for the 495 MW Combined Cycle Addition. DETAILS: At existing Power Plant, construct 495MW Combined Cycle Power Plant Addition in 1-on-1 Combined-Cycle configuration consisting of a 327MW Mitsubishi M501J-Series Natural Gas Fired Combustion Turbine with Nooter Eriksen Heat Recovery Steam Generator and 168MW Mitsubishi SRT-50 Steam Turbine Generator. REQUIRES: Foundations, Structural, Piliings, Closed Cooling Water Heat Exchangers with Foundations and Connection, Condenser, Circulating Water Pumps, 5-Cell Mechanical Draft Cooling Towers, Switchgear, Tanks (AST), Fuel Skid, Lube Oil System, Diesel Fire Pump with Skid, Compressor (Air/Gas), CEMS with Enclosure Structures, MCC and DCS Control Panels, SCADA Data Monitoring System, Main and Auxiliary Pad-Mounted Transformers, Fire Detection & Suppression System, High Side and Low Side Breakers, High Pressure and Large Diameter Piping and Pipe Racks, Inlet Air Filtration, Valves, Motors, Pumps, Electrical Cable & Cable Trays, Instrumentation & Controls System, Operator Consoles, Cooling Water Piping, Steam Piping, Transmission Line, Transformers, Switchgear, Electrical Duct Banks, Operations and Maintenance Building, Cranes & Heavy Rigging. INSTALL: Combustion Turbine, HRSG, Steam Turbine (ORDERED). ENVIRONMENTAL: (A) CEMS, WI, CO/SCR, Stack; (L) Excavation, Trenching, Landscaping, Spill Containment; (W) Demineralized Water and Wastewater System.

Schedule: Grand River Dam Authority with Mitsubishi Power Systems Americas Inc & Black & Veatch & Kiewit and The Industrial Company (TIC) continues Final Commissioning. Construction Kick-Off 2Q15 (May). Project Completion is expected 2Q17 (Jun).

Eng: 201310 **AFE:** 201408 **Sub Bid Doc:** 201605 **Completion:** 01-Jun-2017 **Precision:** MONTH
Long-Lead: 201311 **Equip RFQ:** 201412 **Kick-Off:** 201505 **Kickoff Slippage:** 35 Months **Construction Duration:** 26 Months

Engineering:

Contracting:

Project Key Needs: Civil/Site Structural Control Room Heat Transfer
Instrumentation Electrical Mechanical HVAC Storage NDE
Piping/Fittings Insulation/Coatings Environmental Utilities
Communications Transportation

Matter Phase: Gas

Vapor

Energy: Boiler Turbine Generator

Buy: Fuel

Sell: Electricity

Project Fuel Type: Natural Gas

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date
Plant Manager	XXXXX XXXXXXXXX	1 XXX-XXX-XXXX	May-2017
	XXXXXXXX@grda.com	Yes	
Maintenance Manager	XXXXX XXXXXXXXX	1 XXX-XXX-XXXX	May-2017
	XXXXXXXX@grda.com	Yes	
Purchasing Manager	XXXXX XXXXXXXXX	1 XXX-XXX-XXXX	May-2017
Contracting &Acquisitions Manager	XXXXXXXX@grda.com	No	
Engineering Manager	XXXXX XXXXXXXXX	1 XXX-XXX-XXXX	May-2017
	XXXXXXXX@grda.com	Yes	
Environmental Manager	XXXXX XXXXXXXXX	1 XXX-XXX-XXXX	May-2017
Superintendent of Environmental Compliance	XXXXXXXX@grda.com	Yes	
Safety Manager	XXXXX XXXXXXXXX	1 XXX-XXX-XXXX	May-2017
	XXXXXXXX@grda.com	Yes	
Utilities Manager	XXXXX XXXXXXXXX	1 XXX-XXX-XXXX	May-2017
Coal Handling Manager	XXXXXXXX@grda.com	Yes	
Human Resource Manager	XXXXX XXXXXXXXX	1 XXX-XXX-XXXX	May-2017
		No	

Historical Reports

Project Name	Report Date	TIV	Phase
CHOUTEAU 500-600MW GRDA COAL/GAS UNIT #3 ADDITION	19-Jan-2009	\$1,200,000,000	Project Justification (P1 - 16)
CHOUTEAU 500-600MW GRDA COAL/GAS UNIT #3 ADDITION	16-Sep-2011	\$1,200,000,000	Project Justification (P1 - 16)
CHOUTEAU 400MW GRASSROOT GRDA NATURAL GAS COMPLEX	12-Nov-2013	\$360,000,000	Equipment Studies (P1 - 06)
CHOUTEAU NATURAL GAS 495MW GRAND RIVER COMBINED CYCLE ADDITION	04-Feb-2014	\$372,000,000	Equipment Studies (P1 - 06)
CHOUTEAU NATURAL GAS 495MW GRAND RIVER UNIT #3 COMBINED CYCLE ADDITION	10-Apr-2014	\$372,000,000	Preliminary Engineering (E2 - 22)
CHOUTEAU NATURAL GAS 495MW GRAND RIVER UNIT #3 COMBINED CYCLE ADDITION	18-Jun-2014	\$372,000,000	Preliminary Engineering (E2 - 22)
CHOUTEAU NATURAL GAS 495MW GRAND RIVER UNIT #3 COMBINED CYCLE ADDITION	06-Nov-2014	\$372,000,000	Preliminary Engineering (E2 - 22)
CHOUTEAU NATURAL GAS 495MW GRAND RIVER UNIT #3 COMBINED CYCLE ADDITION	19-Feb-2015	\$372,000,000	Preliminary Engineering (E2 - 22)
CHOUTEAU NATURAL GAS 495MW GRAND RIVER UNIT #3 COMBINED CYCLE ADDITION	02-Jun-2015	\$372,000,000	Construction - Merit Shop (C1 - 36)
CHOUTEAU NATURAL GAS 495MW GRAND RIVER UNIT #3 COMBINED CYCLE ADDITION	17-May-2016	\$372,000,000	Construction - Merit Shop (C1 - 36)

CHOUTEAU NATURAL GAS 495MW GRAND RIVER UNIT #3 COMBINED CYCLE ADDITION	04-May-2017	\$372,000,000	Final Commissioning (C1 - 40)
CHOUTEAU NATURAL GAS 495MW GRAND RIVER UNIT #3 COMBINED CYCLE ADDITION	17-Jul-2017	\$372,000,000	Completion/Start-Up (C1 - 41)

© 2017 ALL RIGHTS RESERVED. Industrial Info Resources, Inc. - Sugar Land, TX - 800-762-3361