

Appendix A07: List of China's Natural Gas Pipelines

附錄 A07: 中國天然氣管道收錄名單

No. of Projects / 項目數: 3,631

Statistics Update Date / 統計截止時間: 2017.9

Source / 來源: <http://www.chinagasm.com>

Natural gas project investment in China was relatively simple and easy just 10 years ago because of the brand new downstream market. It differs a lot since then: LNG plants enjoyed seller market before, while a LNG plant investor today will find himself soon fighting with over 300 LNG plants for buyers; West East Gas Pipeline 1 enjoyed virgin markets alongside its paving route in 2002, while today's Xin-Zhe-Yue Pipeline Network investor has to plan its route within territory of a couple of competing pipelines; In the past, city gas investors could choose to sign golden areas with best sales potential and easy access to PNG supply, while today's investors have to turn their sights to areas where sales potential is limited ... Obviously, today's investors have to consider more to ensure right decision making in a much complicated gas market. China Natural Gas Map's associated project directories provide readers a fundamental analysis tool to make their decisions. With a completed idea about venders, buyers and competitive projects, analyst would be able to shape a better market model when planning a new investment or marketing program.

中國天然氣市場發展的早期階段，培育市場是投資者業務的主旋律，投資決策和市場占領往往更加簡單。時至今日，多種因素正在改變這一情況：10年前，LNG廠商更容易操控買家，今天，投資者將發現自己的LNG廠很快會和超過300家廠商共同競爭買家；10年前，西氣東輸一線沿線幾乎均為空白市場，今天，新浙甬管網的投資者將發現沿線非但早已部署有多條競爭性管道，且主要競爭者在下游城市燃氣瓶塊已成爲第一集團成員；10年前，城市燃氣投資者可在全國範圍優先選擇經濟和人口優勢兼備的黃金寶地，今天，新的投資者往往不得不把目光轉向遠離長輸管線、售氣潛力有限的三線城區……中國天然氣投資事業動輒以億爲單位。面對更加複雜的投資環境，空談宏觀將導致高概率的決策誤判！中華天然氣全圖、配套項目名錄和行業報告編委爲讀者提供成規模的基礎項目數據。項目規劃的分析團隊可在此基礎上，自下而上地建立更完整的市場模型，幫助投資者謹慎決策。



This list introduces, in alphabetical order, project names in **2017 DIRECTORY OF CHINA'S NATURAL GAS PIPELINES**. The directory records China's 3,631 natural gas pipelines by 2017.9. For each recorded project, its project status, location, transport capacity grade, investor, frontline operator company, company ownership type, general manager in charge, company contact number and address are available.

WHAT YOU CAN BENEFIT FROM THIS DIRECTORY

1. Professional gas industry analyst can save at least 2,500 working hours;
2. The directory presents an unprecedented list for China's entire natural gas pipeline networks. With associated China Natural Gas Map, professional readers can track the gas flow from field gas gathering network, inter-provincial pipelines, inter-city branch pipelines to a gate station of a city gas franchising zone;
3. Long-distance pipeline investors can, with associated city gas franchisers directory, better understand their main users' locations and competitive gas supplies when they are planning future pipeline route;
4. With associated LNG directory, CNG directory and city gas franchisers directory, city gas project investors can shape a comprehensive view about China's gas supply sources and potential market entrance barriers by regions; LNG/CNG plant investors will be able to optimize their site selection in China's entire pipeline network based on a complete idea about both competitors and buyers.

MAIN USERS OF THIS DIRECTORY

1. Long-distance Pipeline Investors
2. LNG Plants and LNG importers
3. ICNG Mother Station Investors
4. City Gas Project Investors
5. Gas Pipeline Equipment & Service Providers
6. Industry Consulting Companies

本文件爲《中國天然氣管道項目名錄2017》按首字母順序排列之名單。該名錄包括中國3,631條天然氣管道的狀態、所處沿線主要行政區域、輸氣能力區間、控股投資者（上級管理機構）及一線運營單位的當前主官經理、公司企業所有制類型和聯系方式。

這套名錄的作用

1. 在基礎數據收集驗證層面爲專業信息團隊節省2,500小時工作量；
2. 囊括從油氣田集輸至縣級管道燃氣特許經營區（工業區）門站的完整環節，專餘的分析人員可據此從油氣田開始推演分輸路綫至數千公里外的最終用戶，從城市燃氣門站追溯到境內原始氣源地；
3. 結合中國城市特許經營區名錄時，幹綫輸氣管道的投資者可根據競爭性供氣管道當前格局和下游用戶的分布規劃路綫；
4. 結合中國LNG項目名錄、中國CNG供氣源項目名錄和中國城市特許經營區名錄時，城市燃氣投資者可初步了解選址的供氣條件和當前的市場準入壁壘，LNG和CNG生產項目的投資者可以參考現有競爭分布，在整個中國輸氣管網中初步規劃廠址。

這套名錄主要用戶

1. 長輸幹綫管道投資者
2. LNG廠投資者
3. LNG供氣母站投資者
4. 城市燃氣特許經營項目投資者
5. 輸氣管道設備和服務提供商
6. 進行信息再加工的行業諮詢機構

Nameslist / 項目名單

Central Asia - China Natural Gas Pipeline A • Central Asia - China Natural Gas Pipeline B • Central Asia - China Natural Gas Pipeline C • Central Asia - China Natural Gas Pipeline D • Kazakhstan - China Natural Gas Pipeline Phase 2 • Myanmar - China Natural Gas Pipeline (Myanmar Section) • Russia - China Natural Gas Pipeline (East) • Russia - China Natural Gas Pipeline (West) • Shaan - Jing Natural Gas Pipeline 1 (Jingbian - Beijing) • Shaan - Jing Natural Gas Pipeline 2 (Yulin - Beijing) • Shaan - Jing Natural Gas Pipeline 3 (Yulin - Beijing) • Shaan - Jing Natural Gas Pipeline 4 • Yong - Tang - Qin Natural Gas Pipeline (Yongqing - Tangshan - Qinhuangdao) • West East Gas Pipeline 1 • West East Gas Pipeline 2 (Yizheng - Anping) • West East Gas Pipeline Huai-Wu Branchline (Huaiyang - Wuhan) • West East Gas Pipeline Nanjing - Ma'anshan - Wuhu Branchline • West East Gas Pipeline Changzhou - Changxing Branchline • West East Gas Pipeline 2 Nanchang - Shanghai Branchline • West East Gas Pipeline 2 Zhongwei - Jingbian Branchline • West East Gas Pipeline 2 Pingdingshan - Tai'an Branchline • West East Gas Pipeline 2 Nanchang - Shanghai Branchline • West East Gas Pipeline 2 Jiaying - Luzhi Connecting Line • West East Gas Pipeline 2 Zhangshu - Xiangtan Branchline • West East Gas Pipeline 2 Guangzhou - Nanjing Branchline • West East Gas Pipeline 3 • West East Gas Pipeline 3 Zhongwei - Jingbian Connecting Line • West East Gas Pipeline 3 Min-Zhe Branchline • West East Gas Pipeline 3 Min-Yue Branchline • West East Gas Pipeline 4 • West East Gas Pipeline 5 • Lanzhou - Yinchuan Natural Gas Pipeline • Chang-Ning Natural Gas Pipeline (Jingbian - Yinchuan) • Zhong - Cang Natural Gas Pipeline (Zhongyuan Oilfield - Cangzhou) • Zhong-Wu Natural Gas Pipeline • Zhong-Wu Natural Gas Pipeline Qianjiang - Xiangtan Branchline • Se-Ning-Lan Natural Gas Pipeline (Sebei - Xining - Lanzhou) • Se-Ning-Lan Natural Gas Pipeline 2 (Sebei - Xining - Lanzhou) • Ha - Shen Natural Gas Pipeline (Changchun - Shenyang Section) • Qin - Shen Natural Gas Pipeline (Qinhuangdao - Shenyang) • Zhongwei - Guiyang Natural Gas Pipeline • Myanmar - China Natural Gas Pipeline (China Section) • Qinhai - Tibet Natural Gas Pipeline • Anping - Jinan Natural Gas Pipeline • Yulin - Jinan Natural Gas Pipeline • Sichuan-to-East China Pipeline • Sichuan-to-East China Natural Gas Pipeline Jiangxi Jiujiang Branchline • Sichuan-to-East China Pipeline Nanjing Branchline • Er - An - Cang Natural Gas Pipeline (Ordos - Anping - Cangzhou) • Er - An - Cang Natural Gas Pipeline Zhongwei - Tabamiao Connecting Line • Er - An - Cang Natural Gas Pipeline Puyang Branchline (Anping - Puyang) • Qing - Ning Natural Gas Pipeline (Qingdao LNG - Nanjing) • Sinopec Tianjin LNG Pipeline • Xin - Yue - Zhe SNG Pipeline (Mulei - Shaoguan) • Xin - Yue - Zhe SNG Pipeline Ili Branchline (Ili - Mulei) • Xin - Yue - Zhe SNG Pipeline Yu - Lu Branchline (Yiyang - Puyang Section) • Xin - Yue - Zhe SNG Pipeline Yu - Lu Branchline (Puyang - Linyi Section) • Xin - Yue - Zhe SNG Pipeline Yu - Lu Branchline (Puyang - Qihe Section) • Xin - Yue - Zhe SNG Pipeline Guangxi Branchline (Hengyang - Guilin) • Xin - Yue - Zhe SNG Pipeline Gan - Min - Zhe Branchline (Zhuzhou - Fuzhou - Jiangshan Section) • Xin - Yue - Zhe SNG Pipeline Gan - Min - Zhe Branchline (Fuzhou - Nanping Section) • CNOOC Western Inner Mongolia SNG Pipeline (Hangjing Qi - Huanghua) • Qiong - Yue Subsea Natural Gas Pipeline (Hainan - Guangdong) • Gaotaizi Oilfield - Xingnan Oilfield Natural Gas Pipeline • Xingnan Oilfield - Honggang Oilfield Natural Gas Pipeline • Putaohua Oilfield -

Songfangtun Oilfield Natural Gas Pipeline • Mofantun Oilfield - Zhao5 Oil Gathering Station Natural Gas Pipeline • Mofantun Oilfield - Yongle Oilfield Natural Gas Pipeline • Shengping Oilfield - Songfangtun Oilfield Natural Gas Pipeline • Du402 - Longhupao Oilfield Natural Gas Pipeline • Du402 - Alaxin Gasfield Natural Gas Pipeline • Xinzhnan Oilfield - Xingu Oilfield Natural Gas Pipeline • Chaoyanggou Oilfield No.1 Process Station - No.2 Process Station Natural Gas Pipeline • Chaoyanggou Oilfield No.6 Process Station - Shuangcheng Oilfield No.1 Process Station Natural Gas Pipeline • Chaoyanggou Oilfield No.6 Process Station - No.1 Process Station Oil, Gas and Water Pipeline • Taiping Zhuang Gasfield Zhuangshen 1 Block - Shuangcheng Oilfield Natural Gas Pipeline • Sanzhan Gasfield 3-1 Gathering Station - Zhaoyanggou Oilfield No.1 Process Station Natural Gas Pipeline • Sanzhan Gasfield 3-2 Gathering Station - Sanzhan Gasfield 3-1 Gathering Station Natural Gas Pipeline • Si101 - Chao51 Natural Gas Pipeline • Wuzhan Gasfield Gathering Station - Si101 Natural Gas Pipeline • Chao51 - Chaoyanggou Oilfield No.6 Process Station Natural Gas Pipeline • Changqi2-4 - Daqing Oilfield No.10 Oil Production Plant Water Purification Plant Natural Gas Pipeline • Chang50 - Daqing Oilfield No.10 Oil Production Plant Water Purification Plant Natural Gas Pipeline • Zhaoyanggou Oilfield No.1 Process Station - No. 2 Process Station Natural Gas Pipeline Daqing Oilfield No.10 Oil Production Plant Water Purification Plant Branchline • Changqi2-4 - Chang1 Oil Gathering Station Natural Gas Pipeline • Chang54 - Sanzhan Gasfield 3-2 Gathering Station Natural Gas Pipeline • Changde Gasfield Fangshen6 Gathering Station - Songfangtun Oilfield No.1 Process Station Natural Gas Pipeline • Xushen 1 - Honggang Natural Gas Pipeline • Xushen 6 - Xushen 1 Natural Gas Pipeline • Xushen 6 - Songfangtun Oilfield Natural Gas Pipeline • Xushen 1 - Xushen 9 Natural Gas Pipeline • Xushen 7 - Xushen 301 - Xushen 3 Natural Gas Pipeline • Xushen 3 - Xushen 9 Natural Gas Pipeline • Xushen 8 - Xushen 9 Natural Gas Pipeline • Daqing Xushen 9 Piggings Station - Shuanghe Natural Gas Pipeline • Wangshen 1 - Xushen 1 Natural Gas Pipeline Xusheng Gasfield Shengshen 1 Block Branchline • Shuanghe - Zhaoyanggou Oilfield No.6 Process Station Natural Gas Pipeline • Shuanghe - Zha51 Underground Gas Storage Natural Gas Pipeline • Shuanghe - Sizhan Underground Gas Storage Natural Gas Pipeline • Daqing - Harbin Natural Gas Pipeline • Daqing - Qiqihar Natural Gas Pipeline • Russia - China Eastern Natural Gas Pipeline Mingshui - Harbin Branchline • Hailar - Qiqihar SNG Pipeline • Lamadian Underground Storage - Sazhong Oilfield Natural Gas Pipeline • Sazhong Oilfield - Daqing Oilfield Methanol Plant Natural Gas Pipeline • Xingjiulian - Honggang Compression Station Natural Gas Pipeline • Xingjiulian - Daqing Oilfield Methanol Plant Natural Gas Pipeline • Lamadian Underground Gas Storage - L2 Natural Gas Pipeline • Lamadian Underground Gas Storage - Daqing Oilfield Methanol Plant Natural Gas Pipeline • L2 Compression Station - Daqing Fertilizer Plant Natural Gas Pipeline • Sanan Oilfield - Honggang Compression Station Natural Gas Pipeline • Honggang Compression Station - Daqing Fertilizer Plant Natural Gas Pipeline • Sanan Oilfield - Daqing Oilfield Methanol Plant Natural Gas Pipeline • Sanan Oilfield - Daqing Fertilizer Plant Natural Gas Pipeline • Xingjiulian - Babaixiang Natural Gas Pipeline • Babaixiang - Yinlang Natural Gas Pipeline • Longnan - Dengfeng Natural Gas Pipeline • Longnan - Yuanwang Natural Gas Pipeline • Alaxin Gasfield - Qiqihar Natural Gas Pipeline • Ang'angxi - Fulajerji Natural Gas Pipeline • Ang'angxi - Qiqihar Downtown Natural Gas Pipeline • Taiping Zhuang Gasfield Zhuangshen 1 Block - Harbin Natural Gas Pipeline • Wuzhan Gasfield - Shuangmiaozhi Natural Gas Pipeline • Shuangcheng - Pingfang Natural Gas Pipeline • Pingfang - Chenggaozi Natural Gas Pipeline • Chenggaozi - Xingfu Natural Gas Pipeline • Donggong - Shuangcheng Natural Gas Pipeline • Wuzhan Gasfield - Harbin Limin Economic Development Zone Natural Gas Pipeline • Ha - Yi SNG Pipeline (Yilan - Harbin) • Russia - China Eastern Natural Gas Pipeline Suihua Branchline (Lanxi - Suihua) • Shuanghe - Zhaodong Natural Gas Pipeline • Wangshen 1 - Anda Natural Gas Pipeline • Tangyan - Jiamusi Natural Gas Pipeline • Yilan - Jiamusi SNG Pipeline • Junde - Nanshan CBM Pipeline • Qianda - Qian'an Oilfield Natural Gas Pipeline • Qianda - Daqingzi Oilfield Natural Gas Pipeline • Shuangtuozhi Gasfield - Qianda Natural Gas Pipeline • Wanbao Gasfield - Wanbao Natural Gas Pipeline • Changshen 1 - Qianda Oil Production Plant Natural Gas Pipeline • Xiaochengzi Gasfield - Niuzhuangtun Natural Gas Pipeline • Xiaochengzi Gasfield - Niuzhuangtun Natural Gas Pipeline 2 • Chuangyang Oilfield - Shuangyang Natural Gas Pipeline • Yongan - Fulongquan Natural Gas Pipeline • Pijia Gasfield - Shuangguang Gathering Station Natural Gas Pipeline • Buhai Gasfield - Wanbao Natural Gas Pipeline • Changling - Changchun - CNPC Jilin Chemical Natural Gas Pipeline • Jilin - Yanji Natural Gas Pipeline • Siping - Baishan Natural Gas Pipeline (Siping - Liaoyuan - Tonghua - Baishan) • Fuyu Oilfield - Fuyu - Yushu - Shulan Natural Gas Pipeline • Changling Gasfield - Qingshen Gasfield Natural Gas Pipeline • Yaoyingtai - Bawu Natural Gas Pipeline • Russia - China Natural Gas Pipeline (East) Changling - Changchun Branchline • Meng - Ji SNG Pipeline (Inner Mongolia Xing'an - Jilin) • Qianda - Songyuan Natural Gas Pipeline • Qianda - Songyuan Natural Gas Pipeline 2 • Qianda - Songyuan Natural Gas Pipeline 3 • Qianda - Wulantuga Natural Gas Pipeline • Hongmu Pipeline No.1 Middle Station - Songyuan Natural Gas Pipeline • Fuyu Oilfield - Jilin Oilfield Methanol Plant Natural Gas Pipeline • Changling - Songyuan Natural Gas Pipeline • Songyuan - Jilin Oilfield Power Plant Natural Gas Pipeline • Songyuan - Jilin Oilfield Power Plant Natural Gas Pipeline 2 • Lingshen - Qianda Natural Gas Pipeline • Songnan Gasfield - Qian'an Rixin Gas LNG Plant Natural Gas Pipeline • Longfengshan Oil and Gas Field - Shuanglong Natural Gas Pipeline • Yaoyingtai - Wulantuga Natural Gas Pipeline • Bawu Gasfield - Changling Natural Gas Pipeline • Bawu - Changchun Natural Gas Pipeline 2 • Sheling - Shangyang Natural Gas Pipeline • Daling - Changchun West Gate Station Natural Gas Pipeline • Mishazi - Changchun East Coal Gas Plant Natural Gas Pipeline • Chuangchun Outer-rim Natural Gas Pipeline • Wulantuga - Nong'an Natural Gas Pipeline • Shuangyang - Changchun Natural Gas Pipeline • Lishu County Houwujiahu Gasfield - Changchun First Automobile Works Group Natural Gas Pipeline • Shuangtuozhi Gasfield - Fulongquan Natural Gas Pipeline • Shuangtuozhi Gasfield - Fulongquan Natural Gas Pipeline 2 • Qianda - Fulongquan Natural Gas Pipeline • Fulongquan - Changchun Natural Gas Pipeline • Huajia - Nong'an Natural Gas Pipeline • Changchun Natural Gas Northwest Rim Pipeline • Yiqi - Yangpu Natural Gas Pipeline • Mishazi - Wanbao Natural Gas Pipeline • Chang - Chang - Ji Natural Gas Pipeline Jiutai Branchline (Erdaowanzi - Jiutai) • Mishazi - Dehui Natural Gas Pipeline • Houwujiahu Gasfield - Siping Natural Gas Pipeline • Bawu Gasfield - Gongzhuling Natural Gas Pipeline • Bawu Gasfield - Gongzhuling Natural Gas Pipeline 2 • Gongzhuling Towngas Initial Station - No.8 Valve Station Natural Gas Pipeline • Houwujiahu Gasfield - Shuangliao Natural Gas Pipeline • Bawu - Siping Natural Gas Pipeline • Zhaoyangpo - Xiangshui Natural Gas Pipeline • Siping - Caijia Natural Gas Pipeline • Siping - Jilin City Natural Gas Pipeline • Jinlin City PetroChina Gate Station - Haoyu Natural Gas Pipeline • Jilin - Huadian Natural Gas Pipeline • Siping - Baishan Natural Gas Pipeline Meihokou - Huadian Branchline • Songyuan - Baicheng Natural Gas Pipeline • Longshen Gasfield - Baicheng Natural Gas Pipeline • Hong - Mu Natural Gas Pipeline Da'an Branchline • Siping - Baishan Natural Gas Pipeline Liaoyuan Branchline • Siping - Baishan Natural Gas Pipeline Tonghua Branchline • Siping - Baishan Natural Gas Pipeline Meihokou Branchline • Baishan - Linjiang Natural Gas Pipeline • Yanji - Hunchun Natural Gas Pipeline • Balianchen - Banshi CBM Pipeline • Huludao - JZ20-2

Treatment Plant Natural Gas Pipeline • Panjin - Xiaoliujia Natural Gas Pipeline • Xiaoliujia - Lengjia Oilfield Natural Gas Pipeline • Xiaoliujia - Gaosheng Oilfield Natural Gas Pipeline • Lengjia - Liaohe Refinery Natural Gas Pipeline • Panjin - Shuguang Valve Station Natural Gas Pipeline • Shuguang Valve Station - Tuozili Natural Gas Pipeline • Shuguang Valve Station - Shuguang Natural Gas Pipeline • Shuguang - Huanxiling Natural Gas Pipeline • Huanxiling - Xibaqian Natural Gas Pipeline • Tuozili - Xiaowa Oilfield Natural Gas Pipeline • Jing'anbao Oilfield - Niuju Oilfield Natural Gas Pipeline • Damintun Oilfield - Jing'anbao Oilfield Natural Gas Pipeline • Jing'anbao Oilfield - Damintun Oilfield Natural Gas Pipeline • Fahaniu Oilfield - Jing'anbao Oilfield Natural Gas Pipeline • Xibaqian - Jinzhou Oilfield Jin45 Block Natural Gas Pipeline • Niuju Oilfield - Ciyutuo Natural Gas Pipeline • Huanxiling Oilfield - Xinglongtai Natural Gas Pipeline • Shuangtaizi Oil and Gasfield - Huanxiling Oilfield Natural Gas Pipeline • Da - Shen Natural Gas Pipeline (Dalian - Shenyang) • Liaohe Shuang6 Underground Storage Yingkou - Panjing Connecting Pipeline • Fuxin - Shenyang SNG Pipeline • Pulandian - Dandong Natural Gas Pipeline • Ciyutuo - Shenyang Natural Gas Pipeline • Niuju Oilfield - Liaozhong Natural Gas Pipeline • Qin - Shen Natural Gas Pipeline Shenyang Oilfield Branchline • Qin - Shen Natural Gas Pipeline Shenyang Branchline • Shenyang Outer-rim Natural Gas Pipeline • Shenyang 4th Highway Rim Natural Gas Pipeline • Shenyang - Faku - Kangping Natural Gas Pipeline • Lengzibao - Liaozhong Natural Gas Pipeline • Xinmin - Faku Natural Gas Pipeline • Dalama - Liaoning Jinye Paper Natural Gas Pipeline • Fushun - Shenyang CBM Pipeline • Shenyang - Xinmin Natural Gas Pipeline • Zhujiatang - Hutai Natural Gas Pipeline • Zhujiatang - Qiandagao Natural Gas Pipeline • Hutai - Puhe Hot Spring Town Natural Gas Pipeline • Tiefa - Faku CBM Pipeline • Daming - Hongfang CBM Pipeline • Hongfang - Shihuangdi CBM Pipeline • Xiaonan - Daxing CBM Pipeline • Daxing - Shihuangdi CBM Pipeline • Dalong Coal Mine - Shihuangdi CBM Pipeline • Xiaogang Coal Mine - Shihuangdi CBM Pipeline • Diaobingshan (Tiefa) - Tieling CBM Pipeline • Tieling - Kaiyuan CBM Pipeline • Shenyang - Tieling SNG Pipeline • Xinmin - Tieling Natural Gas Pipeline • Xenzhibao - Caini - Aji Natural Gas Pipeline • Changtu - Qijiazhi Natural Gas Pipeline • Ha - Shen Natural Gas Pipeline Changtu County Industry Zone Branchline • Da - Shen Natural Gas Pipeline Fushun Branchline • Fushun - PetroChina Fushun Petrochemical No.2 Plant Natural Gas Pipeline • Fushun - PetroChina Fushun Petrochemical No.3 Plant Natural Gas Pipeline • Fushun - PetroChina Fushun Petrochemical Dehydrogenation Plant Natural Gas Pipeline • Tieling - Fushun SNG Pipeline • Ciyutuo - Liaoyang Natural Gas Pipeline • Niuju Oilfield - Liaoning Ruixing Chemical Plant • Da - Shen Natural Gas Pipeline Liaoyang Branchline • Liaoyang - Liaoyang Economic Development Zone Natural Gas Pipeline • Liaoyang Economic Development Zone - Liaoyang Ruixing Chemical Natural Gas Pipeline • Liaoyang Economic Development Zone - Fawlt Automobile Spring Natural Gas Pipeline • Liaoyang - Liaoyang Hedong New City Natural Gas Pipeline • Liaoyang Hedong New City - Qingyang Chemical Natural Gas Pipeline • Liaoyang Hedong New City - Xinzhongwang Natural Gas Pipeline • Xinzhongwang - Dengta Natural Gas Pipeline • Liaoyang Magnesium Products Industry Park Natural Gas Pipeline • Liaoyang Petrochemical - Laozhongwang Natural Gas Pipeline • Liaoyang Petrochemical - Aromatic Hydrocarbon Base Natural Gas Pipeline • Liaoyang Aromatic Hydrocarbon Base - Hongwei District Synthetic Catalyst Plant Natural Gas Pipeline • Da - Shen Natural Gas Pipeline Dengta Branchline • Da - Shen Natural Gas Pipeline Liaoyang China Gas Branchline • Da - Shen Natural Gas Pipeline Liaoyang County Branchline • Liu'erbao - Liaoyang Taizihe Economic Development Zone Natural Gas Pipeline • Ciyutuo - Benxi Natural Gas Pipeline • Shenyang - Benxi SNG Pipeline • Fengcheng Modern Industry Park - Fengcheng Natural Gas Pipeline • Xinglongtai - Liaohe Fertilizer Plant Natural Gas Pipeline • Xinglongtai - Panjin Fertilizer Plant Natural Gas Pipeline • Xinglongtai - Dawa Natural Gas Pipeline • Qin - Shen Natural Gas Pipeline Panjing Branchline • Rongxingtun - Liaobin Natural Gas Pipeline • Panjing - Huajin Tongda Chemical Plant Natural Gas Pipeline • Panjing - Panshan Natural Gas Pipeline • Qin - Shen Natural Gas Pipeline Jinzhou Refinery Branchline • Xinglongtai - Heishan Fertilizer Plant Natural Gas Pipeline • Xinglongtai - Beizhen Natural Gas Pipeline • Liaohe Oilfield - Jinzhou Natural Gas Pipeline • PetroChina Jinzhou Refinery - Shiqiao Natural Gas Pipeline • PetroChina Jinzhou Refinery - Xiqiao Natural Gas Pipeline • Songshan - Lingnan Natural Gas Pipeline • Lingnan - Tanghezi Natural Gas Pipeline • Lingnan - Jiefang Road Natural Gas Pipeline • Nantang - Jinzhou Economic and Technological Development Zone Natural Gas Pipeline • Qin - Shen Natural Gas Pipeline Beizhen Branchline (Goubangzi - Beizhen) • Qin - Shen Natural Gas Pipeline Huludao Branchline • Qin - Shen Natural Gas Pipeline Jinxi Petrochemical Branchline • Qin - Shen Natural Gas Pipeline Suizhong Branchline • Qin - Shen Natural Gas Pipeline Yangjiazhangzi Branchline • Qin - Shen Natural Gas Pipeline Zhaoyang Hongluoguan Branchline • Qin - Shen Natural Gas Pipeline Gaoling Branchline • Xinglongtai - Anshan Natural Gas Pipeline • Ciyutuo - Anshan Natural Gas Pipeline • Qinglongtai Oilfield - Anshan Natural Gas Pipeline • Anshan - Haicheng Natural Gas Pipeline • Da - Shen Natural Gas Pipeline Anshan Branchline • Anshan - Dadaowan Natural Gas Pipeline • Anshan - Anshan Steel Group Natural Gas Pipeline • Da - Shen Natural Gas Pipeline Xiuyan Branchline • Da - Shen Natural Gas Pipeline Haicheng Branchline • Qin - Shen Natural Gas Pipeline Tai'an County Industry Park Branchline • Da - Shen Natural Gas Pipeline Anshan Tanggangzi New City Branchline • Da - Shen Natural Gas Pipeline Dalian Branchline (Songshan - Qianguan) • Lv - Da Natural Gas Pipeline (Qianguan - Lvshun) • Qianguan - Dalian Refinery Natural Gas Pipeline • Dalian Refinery - Donghai Power Plant Refinery Natural Gas Pipeline • Liaohe Oilfield - Bayuquan Natural Gas Pipeline • Xianren Island - Dashiqiao Natural Gas Pipeline • Da - Shen Natural Gas Pipeline Yingkou Laobian District Branchline • Datang Fuxin SNG Plant - Fuxin Zhong'ao Energy SNG Pipeline • Qin - Shen Natural Gas Pipeline Zhaoyang Branchline (Tanghezi - Jianping) • Qin - Shen Natural Gas Pipeline Zhaoyang Nonferrous Metal Industry Park Branchline • Qin - Shen Natural Gas Pipeline Zhaoyang Longcheng Branchline • Qin - Shen Natural Gas Pipeline Zhaoyang Shuangta Branchline • Qin - Shen Natural Gas Pipeline Zhaoyang Kazuo Branchline • Qin - Shen Natural Gas Pipeline Zhaoyang Jianping Branchline • Gongyingzi - Kazuo Natural Gas Pipeline • Jianping - Lingyuan Natural Gas Pipeline • Karamay Oilfield No.5 Block Gathering Pipelines • Kelameili Gasfield Gas Gathering Pipelines • Wucaiwai Gasfield Gas Gathering Pipelines • Mobei Oilfield Gas Gathering Pipelines • Shinan Oilfield No.4 Block Gas Gathering Pipelines • Luliang Oilfield Gas Gathering Pipelines • Shinan Oilfield No.21 Block Gas Gathering Pipelines • Shinan Oilfield No.31 Block Gas Gathering Pipelines • Baikouquan Oilfield Gas Gathering Pipelines • Cainan Oilfield Cai31 Block - Cainan Gas Station Natural Gas Pipeline • Karamay Oilfield No.8 Block Gathering Pipelines • Hongshanzhui Oilfield Gas Gathering Pipelines • Shan'an Beisantai Natural Gas Pipeline • Mazhuang Gasfield - Beisantai Oilfield Natural Gas Pipeline • Xiazijie Oilfield - Baikouquan Oilfield Natural Gas Pipeline • Baikouquan Bai27 Block - Baizhong 7 Block Natural Gas Pipeline • Xigouai - Karamay Oilfield 4-2 Block Natural Gas Pipeline • Xiaoguai - Hongqian Natural Gas Pipeline • Lu - Shi Natural Gas Pipeline • Mo - Shi Natural Gas Pipeline (Mobei - Shixi) • Mobei - Pen5 Gas Pipeline (Mo7-Mo11 Gasfield - Pen5 Gasfield) • Pen5 Gasfield - 704 Pump Station Natural Gas Pipeline • Hutubi Gasfield - 706 Pump Station Natural Gas Pipeline • Mahe Gasfield - 704 Pump Station Natural Gas Pipeline • Kela 3 Gasfield Gas Gathering Pipeline • Keshen

Gasfield Gas Gathering Pipeline • Keshen Gasfield Keshen1 Gathering Station - Kela2 No.2 Process Plant Natural Gas Pipeline • Keshen Gasfield Keshen1 Block Gathering Truckline (Keshen1 Gathering Station - Keshen3 Gathering Station) • Keshen Gasfield Keshen2 Block Gathering Truckline (Kela2 Gasfield Central Process Plant - Keshen2 Pigging Station) • Keshen Gasfield Keshen3 Block Gathering Truckline (Keshen2 Pigging Station - Keshen3 Gathering Station) • Keshen3 Gathering Station - Keshen Gasfield Gas Process Plant Natural Gas Pipeline • Keshen Gasfield Keshen8 Block Eastern Gathering Truckline (KS8-10 - Keshen Gasfield Gas Process Plant) • Keshen Gasfield Keshen8 Block Western Gathering Truckline (Keshen8 Gathering Station - Keshen Gasfield Gas Process Plant) • Keshen Gasfield Gas Process Plant - Kela2 Pigging Station Natural Gas Pipeline • Dabei Gasfield Export Pipeline (Dabei Gasfield - Kela2 Gasfield) • Bozi1 - Dabei 101 Natural Gas Pipeline • Yingmaili Gasfields Gas Gathering Pipelines • Dina 2 Gasfield Gas Gathering Pipelines • Dibeil Gasfield Gas Gathering Pipelines • TZ6 Gasfield Gas Gathering Pipelines • TZ 1 Gasfield Gas Gathering Pipelines • Ta - Lun Natural Gas Pipeline Hade 4 Branchline • Hade 1 - Hade 4 Natural Gas Pipeline • Jilake Gasfield Gas Gathering Pipelines • Sangnan Gasfield Gas Gathering Pipelines • Lungudong Gasfield Gas Gathering Pipelines • Tiergeng Gasfield - Lunnan Natural Gas Pipeline • Donghetang Oilfield Gas Gathering Pipelines • Halahatang Oilfield Gas Gathering Pipelines • Hotan River Gasfield Gas Gathering Pipelines • Hotan River Gasfield - Hotan Gas Transferring Station Natural Gas Pipeline • Kedong 1 Gasfield Gas Gathering Pipeline • PetroChina Akemo Gasfield - Wuqia Natural Gas Pipeline • Tuzilouke Gasfield Gas Gathering Pipelines • Ta - Lun Natural Gas Pipeline (TZ4 - Lunnan) • Ta - Lun Natural Gas Pipeline 2 (TZ 1 - Lunnan) • Ying - Lun Natural Gas Pipeline (Yingmaili Gasfield - Lunnan) • Ke - Lun Natural Gas Pipeline (Kela 2 Gasfield - Lunnan) • Ke - Lun Natural Gas Pipeline Yaha Gasfield Branchline • Ke - Lun Natural Gas Pipeline 2 (Keshen Gasfield - Lunnan) • Di - Lun Natural Gas Pipeline (Dina2 Gasfield - Lunnan) • Sangji - Lunnan Natural Gas Pipeline • Tahe Oilfield Northeast Gas Gathering Pipeline • Tahe Oilfield No.9 Block Natural Gas Pipeline • Tahe Oilfield THN1 Block Gas Gathering Pipelines • Tahe Oilfield Y22 Block Gas Gathering Pipelines • Tahe Oilfield AT2 South Block Oilfield Gas Gathering Pipelines • Tahe Oilfield No.12 Block Natural Gas Pipelines • Tahe Oilfield - Yakela Gasfield Natural Gas Pipeline • Yakela Gasfield - Tahe Oilfield No.12 Block Natural Gas Pipeline • Ying - Lun Natural Gas Pipeline Yakela Gasfield Branchline • Shanshan Oilfield Gas Gathering Pipeline • Qiuling Oilfield Gas Gathering Pipeline • Shanle Oilfield Gas Gathering Pipeline • Baka Oilfield Gas Gathering Pipeline • Wenmi Oilfield Gas Gathering Pipeline • Qiudong-Wenba Gasfield Gas Gathering Pipeline • Mideng - Wenxishi Gasfield Gas Gathering Pipeline • Wenjiang Oilfield Gas Gathering Pipeline • Hongtai Gasfield Gas Gathering Pipeline • Gedatai Gasfield Gas Gathering Pipeline • Shenquan Oilfield Gas Gathering Pipeline • Pubei Oilfield Gas Gathering Pipeline • Huoyanshan Oilfield Gas Gathering Pipeline • Yugu Oilfield Gas Gathering Pipeline • Honglian Oilfield Gas Gathering Pipeline • Shenquan - Lukeqin Natural Gas Pipeline • Baolang Oilfield Gas Gathering Pipeline • Benbutu Oilfield Gas Gathering Pipeline • Niudong - Niuguquan Natural Gas Pipeline • Ke - Wu Natural Gas Pipeline (Karamay - Urumqi) • Cai - Wu Natural Gas Pipeline (Cainan - Urumqi) • Cai - Shi - Ke Natural Gas Pipeline (Cainan - Shixi - Karamay) • Ke - Wu and Cai - Shi - Ke Natural Gas Pipeline's Connecting Line • Wang - Hua Natural Gas Pipeline (Wangjiagou - Urumqi Petrochemical) • Shan - Wu Natural Gas Pipeline (Shanshan - Urumqi) • West East Gas Pipeline 2 and Junggar Basin Pipeline Rim Connecting Line • West East Gas Pipeline 2 Lun - Tu Branchline (Turpan - Lunnan) • Kashi - Zepu Natural Gas Pipeline • Hotan - Zepu Natural Gas Pipeline • Hotan - Minfeng Natural Gas Pipeline • Yingmaili - Kashi Natural Gas Pipeline • Xin - Yue - Zhe SNG Pipeline Zhuendong Branchline (Zhuendong - Mulei) • Xin - Yue - Zhe SNG Pipeline South Xinjiang Branchline (Kuqa - Qijiaojing) • Maykapchigay - Jeminay Natural Gas Pipeline • Bai - Dian Natural Gas Pipeline (Baikouquan Gasfield - Karamay Power Plant) • Jinlong - Karamay Power Plant Natural Gas Pipeline • Ke75 Gasfield - Karamay Power Plant Natural Gas Pipeline • Karamay No.81 Gas Process Station - Karamay Power Plant Natural Gas Pipeline • Karamay No.81 Gas Process Station - Karamay Power Plant Natural Gas Pipeline 2 • 703 Pump Station - Dushanzi Natural Gas Pipeline • Jinlong - Karamay Natural Gas Pipeline • 704 Pump Station - Dushanzi Natural Gas Pipeline • West East Gas Pipeline 2 Dushanzi Petrochemical Complex Branchline • 703 Pump Station - Dushanzi Natural Gas Pipeline Wusu Branchline • West East Gas Pipeline 2 Bole Branchline • 703 Pump Station - Dushanzi Natural Gas Pipeline Kuitun Branchline • Horgos - Yining Natural Gas Pipeline • Horgos - Yining Natural Gas Pipeline Huocheng Branchline • Ili Kingho SNG Export Pipeline • Xinwen Ili SNG Export Pipeline • West East Gas Pipeline 3 Yining - Horgos SNG Branchline • China Power Huocheng SNG Export Pipeline • Dawan - Donggebi Peakshaver Natural Gas Pipeline • Wangjiagou - Dawan Natural Gas Pipeline • Wangjiagou - Donggebi Peakshaver Natural Gas Pipeline • Urumqi No.3 Gate Station - Donggebi Peakshaver Natural Gas Pipeline • Midong Natural Gas Pipeline • West East Gas Pipeline 2 Wulabo Branchline • Wulabo - Xinjiang Fertilizer Plant Natural Gas Pipeline • West East Gas Pipeline 2 Urumqi Petrochemical Complex Branchline • West East Gas Pipeline 2 Hongyannan Branchline • Wulabo - Urumqi County Branchline • Qitai - Urumqi SNG Pipeline • Ke - Wu Natural Gas Pipeline Changji Branchline • West East Gas Pipeline 2 Hutubi Underground Gas Storage Branchline • Underground Gas Storage - 706 Pump Station Natural Gas Pipeline • Mazhuang Gasfield - Santai Power Plant Natural Gas Pipeline • Urumqi Refinery - Fukang Natural Gas Pipeline • Shihezi - Manasi Natural Gas Pipeline • Hutubi Gasfield - Hutubi Natural Gas Pipeline • Changji Eastern 3 Counties Natural Gas Pipeline • Changji Eastern 3 Counties Natural Gas Pipeline Zhundong Economic Development Zone Branchline • Yakela - Kuqa Natural Gas Pipeline • Ying - Lun Natural Gas Pipeline Xinxhe Branchline • Yingmaili Gasfield - Ying-Lun Natural Gas Pipeline's 2nd Valve Station Connecting Line • Ya - Da Natural Gas Export Pipeline • Yingmaili Gasfield - Aksu Natural Gas Pipeline • Ying - Wen Natural Gas Pipeline (Yingmaili Gasfield - Wensu) • Ying - Lun Natural Gas Pipeline Shaya Branchline • Ying - Lun Natural Gas Pipeline Shaya Branchline 2 • Dabei Gasfield Export Pipeline Baicheng Branchline • Yakela Carbon Black Natural Gas Pipeline • Dabei Gasfield - Zhongnan Liyuan Gas Chemical Plant Natural Gas Pipeline • South Xinjiang Natural Gas Pipeline Keping Branchline • South Xinjiang Natural Gas Pipeline Awat Branchline • South Xinjiang Natural Gas Pipeline Wushi Branchline • South Xinjiang Natural Gas Pipeline Dabei Gasfield Branchline • Lun - Ku Natural Gas Pipeline (Lunnan - Korla) • Tahe - Luntai Natural Gas Pipeline (Tahe Oilfield - Luntai) • Luntai Gasfield - Luntai Natural Gas Pipeline • Di - Lun Natural Gas Pipeline Luntai Branchline • Shunnan - Tazhong Natural Gas Pipeline • Gucheng - Qiemo Natural Gas Pipeline • Korla Natural Gas Pipelines • Korla - Xini'er Natural Gas Pipeline • Baolang Oilfield - Bohu Natural Gas Pipeline • Bohu - Yanqi Natural Gas Pipeline • West East Gas Pipeline 2 North Bazhou Branchline • Hejing - Ha'ermodun, Xianxing and Shangyou Natural Gas Pipeline • West East Gas Pipeline 2 North Bazhou Qigexing Branchline • West East Gas Pipeline 2 North Bazhou Heshuo Branchline • West East Gas Pipeline 2 Lun - Tu Branchline's No.6 Valve Station - Bositing Industry Park Branchline Natural Gas Pipeline • Ku - Wei Natural Gas Pipelines (Korla Development Zone - Weili) • Kekeya Gas Field - Zepu Petrochemical Plant Natural Gas Pipeline • Kekeya Gas Field - Zepu Petrochemical Plant Natural Gas Pipeline 2 • South Xinjiang Natural Gas Pipeline Shache Branchline • South Xinjiang

Natural Gas Pipeline Bachu Branchline • South Xinjiang Natural Gas Pipeline Jiashi - Yuepuhu - Markit Branchline • Zepu Petrochemical Plant - Zepu Natural Gas Pipeline • Zepu - Shache Natural Gas Pipeline • Kekeya - Yeched Natural Gas Pipeline • Akemo Gasfield - Kashi Natural Gas Pipeline • Kashi - Shule Natural Gas Pipeline • Shule - Shufu Natural Gas Pipeline • Akemo Gasfield - Wuqia Natural Gas Pipeline • Akemo Gasfield - Artux Natural Gas Pipeline • Akemo Gasfield - Kashi Natural Gas Pipeline Artux Branchline • Hotan Natural Gas Pipeline (Hotan River Gasfield - Hotan) • Hotan - Luopu Natural Gas Pipeline • Hotan - Moyu Natural Gas Pipeline • West East Gas Pipeline 2 Hami Branchline • Shanshan Railway Station - Shanshan Natural Gas Pipeline • West East Gas Pipeline Tuokexun Branchline • Pubei Oilfield - Qiuanhu Chemical Plant Natural Gas Pipeline • Shanshan Guanghui LNG Plant Natural Gas Pipeline • Shenquan - Turpan Natural Gas Pipeline • 704 Pump Station - Shihezi Natural Gas Pipeline • Mahe Gasfield - 704 Pump Station Natural Gas Pipeline Shihezi Branchline • Wujiagu Natural Gas Pipeline • South Xinjiang Natural Gas Pipeline Tumushuke Branchline • South Xinjiang Natural Gas Pipeline No.1 Regiment Branchline • South Xinjiang Natural Gas Pipeline No.2 and No.3 Regiment Branchline • South Xinjiang Natural Gas Pipeline Jiashi Farm Branchline • South Xinjiang Natural Gas Pipeline Hongqi Farm Branchline • South Xinjiang Natural Gas Pipeline No.41 Regiment Branchline • South Xinjiang Natural Gas Pipeline No.42 Regiment Branchline • South Xinjiang Natural Gas Pipeline No.44 Regiment Branchline • South Xinjiang Natural Gas Pipeline No.45 Regiment Branchline • South Xinjiang Natural Gas Pipeline No.46 Regiment Branchline • South Xinjiang Natural Gas Pipeline No.51 Regiment Branchline • South Xinjiang Natural Gas Pipeline No.53 Regiment Branchline • South Xinjiang Natural Gas Pipeline Dongfeng Farm Branchline • West East Gas Pipeline 2 Hami Erdaohu Industry Park Branchline • Kuitun - Wuyu Industry Park Natural Gas Pipeline • No.1 Agricultural Division's 5th Regiment - Alar Natural Gas Pipeline • No.1 Agricultural Division's 5th Regiment - Alar Natural Gas Pipeline 5th Regiment Branchline • Qingxi Oilfield - Yumen Refinery Natural Gas Pipeline • Xifeng Oilfield Baima Block - Dongzhi Block Natural Gas Pipeline • Zhenyuan Oilfield Zhen28 Block - Zhen53 Block Natural Gas Pipeline • Xian - Dun Natural Gas Pipeline (Nanbaxian Gasfield - Dunhuang) • West East Gas Pipeline 2 Jiuguang Branchline • West East Gas Pipeline 2 Jiayuguan Branchline • West East Gas Pipeline 2 Zhangye Branchline • Jiuguang Zhangye SNG Pipeline • West East Gas Pipeline 2 Jinchang Branchline • West East Gas Pipeline 2 Wuwei Branchline • Qilizhen - Dunhuang Natural Gas Pipeline • West East Gas Pipeline 1 Yumen Branchline • Jiayuguan - Gansu Nuclear Technology Industry Park Natural Gas Pipeline • Se - Ning - Lan Natural Gas Pipeline Lanzhou Aluminium Branchline • Se - Ning - Lan Natural Gas Pipeline Lanzhou Petrochemical Branchline • Se - Ning - Lan Natural Gas Pipeline Lanzhou Carbon Plant Branchline • Lanzhou Northern Natural Gas Pipeline (Yongdeng - Anning) • Lanzhou Beilongkou Natural Gas Pipeline • Se - Ning - Lan Natural Gas Pipeline Liancheng Aluminium Branchline • Lanzhou - Yinchuan Natural Gas Pipeline Baiyin Branchline • Lanzhou - Yinchuan Natural Gas Pipeline Jingtai Branchline • Baiyin - Jinyuan Natural Gas Pipeline • Liuchuan - Pingchuan Natural Gas Pipeline • Se - Ning - Lan Natural Gas Pipeline Liuhua Branchline • Liuhua - Yongjing Natural Gas Pipeline • Se - Ning - Lan Natural Gas Pipeline Southwest Gansu Branchline • Lintao - Kangle Natural Gas Pipeline • Lanzhou - Lintao Natural Gas Pipeline Guanghe Branchline • Gannan Natural Gas Pipeline (Linxia - Gannan) • Gannan Natural Gas Pipeline Xiahe Branchline • Lanzhou - Dingxi Natural Gas Pipeline • Zhongwei - Guiyang Natural Gas Pipeline Longxi Branchline • Lanzhou - Lintao Natural Gas Pipeline • Zhongwei - Guiyang Natural Gas Pipeline Tianshui Branchline • Zhongwei - Guiyang Natural Gas Pipeline Longxi Branchline's No.6 Valve Station - Wushan Natural Gas Pipeline • Zhongwei - Guiyang Natural Gas Pipeline Longxi Branchline's No.4 Valve Station - Gan'gu Natural Gas Pipeline • Zhongwei - Guiyang Natural Gas Pipeline Qin'an Branchline • Zhongwei - Guiyang Natural Gas Pipeline Longnan Branchline • Zhongwei - Guiyang Natural Gas Pipeline Xihe Branchline • Zhongwei - Guiyang Natural Gas Pipeline Chengxian Branchline • Chengxian - Huixian Industry Zone Natural Gas Pipeline • West East Gas Pipeline 2 Jingchuan Branchline • West East Gas Pipeline 2 Pingquan - Sishilipu Branchline • Pingliang Sishilipu - Ershilipu Natural Gas Pipeline • West East Gas Pipeline 2 Qingyang Branchline • Longdong Qingtan 1 Block's Qing-1 Gas Gathering Station - Qingcheng Xichuan Industry Park Natural Gas Pipeline • Yinchuan Highway Rim Natural Gas Pipeline • Ningxia Ningdong Natural Gas Pipeline • Yinchuan - Helan Natural Gas Pipeline • Wuhai - Yinchuan Coal Gas Pipeline • Yinchuan - Dawukou - Huinong Natural Gas Pipeline • Yinchuan - Dawukou - Huinong Natural Gas Pipeline Pingluo Branchline • Yinchuan - Dawukou - Huinong Natural Gas Pipeline Hongguozi - Huinong Branchline • Pingluo - Shahu Natural Gas Pipeline • Sangyuanguo - 905 Plant Natural Gas Pipeline • Lanzhou - Yinchuan Natural Gas Pipeline Zhongwei Branchline • West East Gas Pipeline 2 Zhongwei - Jingbian Connecting Line Zhongning Branchline • Qingtongxia Aluminium Natural Gas Pipeline • Lingwu - Wuzhong Natural Gas Pipeline • Wuzhong - Qingtongxia Natural Gas Pipeline • Ningxia Shenran Zhongyuan LNG Plant Natural Gas Pipeline • Liuyangbao - Gaoshawo Natural Gas Pipeline • West East Gas Pipeline 2 Zhongwei - Jingbian Connecting Line Taiyangshan Branchline • West East Gas Pipeline 2 Guyuan Branchline • Xiaomazhuang - Guyuan Salt Chemical Industry Park Natural Gas Pipeline • Zhongwei - Guiyang Natural Gas Pipeline Xiji Branchline • West East Gas Pipeline 2 Pengyang Branchline • Nan - Hua Natural Gas Pipeline (Nanyishan Gasfield - Huatugou) • Xian - Yi Natural Gas Pipeline (Nanbaxian Gasfield - Nanyishan Gasfield) • Se - Ge Natural Gas Pipeline (Sebei Gasfield - Germu) • Se - Ge Natural Gas Pipeline 2 (Sebei Gasfield - Germu) • Sebei No.2 Gasfield - Sebei Natural Gas Pipeline • Tuofengshan Gasfield - Sebei Natural Gas Pipeline • Tainan Gasfield - Sebei No.1 Gasfield Natural Gas Pipeline • Tainan Gasfield - Sebei No.1 Gasfield Natural Gas Pipeline 2 • Maxi Gasfield Gas Gathering Pipelines • Ma - Xian Natural Gas Pipeline (Mabei Oilfield - Nanbaxian Gasfield) • Dongping Gasfield Gas Gathering Pipelines • Ping - Yi Natural Gas Pipeline (Dongping - Yiligou) • Chaidamu Northern Natural Gas Pipeline (Niudong Gasfield - Sebei) • Liang - Dong Natural Gas Pipeline (Dongping - Niudong) • Se-Ning-Lan Natural Gas Pipeline Xining Branchline • Se-Ning-Lan Natural Gas Pipeline Huangzhong Branchline • Ganhe Industrial Park - Xining West Gate Station Natural Gas Pipeline • Shangxinzhuan - Ganhe Industrial Park Natural Gas Pipeline • Maojiatai - Xining Economic Development Zone Natural Gas Pipeline • Xining East Gate Station - Donghuang Natural Gas Pipeline • Xining South Gate Station - No.2 Gas Station Natural Gas Pipeline • Xining Eastern Natural Gas Pipeline Rim • Daochanghe - Huangyuan Natural Gas Pipeline • Se-Ning-Lan Natural Gas Pipeline 2 Ganhe Industry West Park Branchline • Huzhu - Datong Natural Gas Pipeline • Qinghai Leiniaoguangke Energy LNG Plant Natural Gas Pipeline • Ledu Glass Plant Natural Gas Pipeline • Ping'an - Huzhu Natural Gas Pipeline • Ping'an - Huzhu - Datong Natural Gas Pipeline 2 • Se-Ning-Lan Natural Gas Pipeline Xunhua Branchline • Ping'an - Hualong Natural Gas Pipeline • Daochanghe - Qiabuqia Natural Gas Pipeline • Lajishan - Guide Natural Gas Pipeline • Sebei - Dongtai Natural Gas Pipeline • Sebei - Xital Natural Gas Pipeline • Ma - Leng Natural Gas Pipeline (Mabei - Lenhu) • Se-Ning-Lan Natural Gas Pipeline Yingmaxia Branchline • Sebei - Qinghai Lithium Natural Gas Pipeline • Yangchangzhiou - Dachaidan Natural Gas Pipeline • Hudong - Xihai Natural Gas Pipeline • Xihai - Sanjiaocheng Natural Gas Pipeline • Ping'an - Jianzha Natural Gas Pipeline • Sulige

Gasfield Gas Gathering Pipelines • Daniudi Gasfield Gas Gathering Pipelines • Daniudi Gasfield Eastern Gathering Truckline • Daniudi Gasfield Western Gathering Truckline • Daniudi Gasfield Central Gathering Truckline • Hangjiqi Gasfield Gas Gathering Pipelines • Chang-Hu Natural Gas Pipeline (Changqing Gasfield - Hohhot) • Chang-Hu Natural Gas Pipeline 2 (Changqing Gasfield - Hohhot) • Chang - Wu - Lin Natural Gas Pipeline (Changqing Gasfield - Wuhai - Linhe) • Baotou - Linhe Natural Gas Pipeline • Hohhot - Zhangjiakou - Yanqing Natural Gas Pipeline (Inner Mongolia Section) • Su - Dong - Zhun Natural Gas Pipeline (Sumitu - Dongsheng - Zhungeer Qi) • Sulige No.1 Gas Process Plant - Sulige Gas Power Plant Natural Gas Pipeline • Daniudi Gasfield - Hangjiqi Natural Gas Pipeline • Da - Dong Natural Gas Pipeline (Daniudi Gasfield - Dongsheng Gasfield) • Chang - Wu Natural Gas Pipeline (Changqing - Wushenzhao) • Tuke Gate Station - Tuke Industry Zone Natural Gas Pipeline • Chang - Meng Natural Gas Pipeline (Changqing - Mengxi) • Maladi - Shanghaimiao Natural Gas Pipeline • Su - Dong - Zhun Natural Gas Pipeline Hangjiqi Branchline • Su - Dong - Zhun Natural Gas Pipeline Shagedu Branchline • Su - Dong - Zhun Natural Gas Pipeline Dalate Qi Branchline • Su - Dong - Zhun Natural Gas Pipeline Dongsheng Gasfield Branchline • Inner Mongolia Sentai LNG Plant Natural Gas Pipeline • Chang-Hu Natural Gas Pipeline Shenhua Branchline • Chang-Hu Natural Gas Pipeline Sulige Economic Development Zone Branchline • Chang-Hu Natural Gas Pipeline Dalate Branchline • Chang-Hu Natural Gas Pipeline 2 Dongsheng Connecting Line • Er - An - Cang Natural Gas Pipeline Xinmeng Branchline (Xinmeng - Tabamiao) • Er - An - Cang Natural Gas Pipeline Zhungeer Branchline (Zhungeer - Tabamiao) • CNOOC Western Inner Mongolia SNG Pipeline Dalu Branchline • Chang-Hu Natural Gas Pipeline Tianye Chemical Branchline • Saihan - Hohhot Sha'erqi New District Natural Gas Pipeline • Su - Dong - Zhun Natural Gas Pipeline Dahe Branchline • Su - Dong - Zhun Natural Gas Pipeline Tianye Chemical Branchline • Su - Dong - Zhun Natural Gas Pipeline Shanxi Connecting Line • Chang-Hu Natural Gas Pipeline 2 Baotou Branchline • Tumoteyou Qi - Baotou Jinshan Industry Park Natural Gas Pipeline • Bayannur - Hangjiqhousi Natural Gas Pipeline • Hangjiqhousi - Wulate Houqi Natural Gas Pipeline • Baotou - Heiluzi Natural Gas Pipeline • Wuhai City Hainan District - Wuda District Natural Gas Pipeline • Qianlisan - Xilaiifeng Coal Gas Pipeline • Lan - Yin Natural Gas Pipeline Alashan Branchline • Wuda - Wusitai Natural Gas Pipeline • Lan - Yin Natural Gas Pipeline Putaodun Branchline • Meng-Jin-Ji (Wu-Da-Zhang) Great Wall Golden Delta Cooperation Zone Natural Gas Pipeline Jining - Huade Branchline • Meng-Jin-Ji (Wu-Da-Zhang) Great Wall Golden Delta Cooperation Zone Natural Gas Pipeline Chahar Youyihou Qi - Chahar Youyizhong Qi - Siwangzi Qi Branchline • Meng-Jin-Ji (Wu-Da-Zhang) Great Wall Golden Delta Cooperation Zone Natural Gas Pipeline Zhuozi - Liancheng Branchline • Shaan - Jing Natural Gas Pipeline 4 Xinghe Industry Park Branchline • Shaan - Jing Natural Gas Pipeline 4 Jining Branchline • Ulanqab - Machang Natural Gas Pipeline (Ulanqab Section) • Cha - Feng Natural Gas Pipeline (Ulanqab - Fengzhen) • Shuangsheng - Tongliao Natural Gas Pipeline • Tongliao - Huoliuguole Natural Gas Pipeline • Sping - Tongliao Natural Gas Pipeline • Keqi Coal-to-Gas Project SNG Pipeline Keshiketeng CNG Mother Station Branchline • Jingbian Gasfield Gas Gathering Pipelines • Changqing Gasfield No.2 Process Plant - Yulin Natural Gas Pipeline • Yulin Gasfield Gas Gathering Pipelines • Zizhou Gasfield Gas Gathering Pipelines • Mizhi Gasfield Gas Gathering Pipelines • Zizhou-Mizhi Gasfield - Yulin Natural Gas Pipeline • Shenmu Gasfield Gas Gathering Pipelines • Changbei Gasfield Gas Gathering Pipelines • Changnan Gasfield Gas Gathering Pipelines • Hancheng CBM Gasfield No.2 Gathering Station - Weiwei Process Plant CBM Pipeline • Hancheng CBM Gasfield No.1 Gathering Station - No.2 Gathering Station Connecting Line • Ta - Yu Natural Gas Pipeline (Tabamiao - Yulin) • Jing - Xi Natural Gas Pipeline (Jingbian-Xi'an) • Jing - Xi Natural Gas Pipeline 2 (Jingbian-Xi'an) • Jing - Xi Natural Gas Pipeline 3 (Anbian - Yongle) • Xian - Bao Natural Gas Pipeline (Xianyang - Baoji) • Xian - Bao Natural Gas Pipeline 2 (Xianyang - Baoji) • Xi - Wei Natural Gas Pipeline (Xi'an - Weinan) • Guanzhong Natural Gas Pipeline Circle • Guanzhong Natural Gas Pipeline Circle South-to-North Connecting Line • Bao - Han Natural Gas Pipeline (Baoji - Hanzhong) • Han - An Natural Gas Pipeline (Hanzhong - Ankang) • Xi'an - Shangluo Natural Gas Pipeline • Han - An and Zhong - Gui Natural Gas Pipelines' Connecting Line • Xi - Kang Natural Gas Pipeline (Xi'an - Ankang) • Sichuan - Shaaxi Natural Gas Pipeline (Tongjiang - Xixiang) • Dazhou - Ankang Natural Gas Pipeline • Han - Wei - Xi CBM Pipeline (Hancheng - Weinan - Xi'an) • Shenmu Gas Process Plant Export Pipeline • Sunan-1 Gathering Station - Youfangzhuang Oilfield Natural Gas Pipeline • Jingbian - Yulin Natural Gas Pipeline • Jing - Xi Natural Gas Pipeline 3 Jingbian and Anbian Connecting Line • Majiamao - Qiantanwan Natural Gas Pipeline • Jinjitan - Shaanxi Nonferrous Metal Industry Park Natural Gas Pipeline • Machangliang - Jinjie Industry Park Natural Gas Pipeline • Majiamao - Shasen Botanical Garden Natural Gas Pipeline • Shasen Botanical Garden - Dongsha Natural Gas Pipeline • Zhou 18 - Qingjian Chenjiagou Natural Gas Pipeline • Zhenchuan - Yujia Industry New District Natural Gas Pipeline • Mi1 - Mizhi Natural Gas Pipeline • Yanchi - Dingbian Natural Gas Pipeline • Su47-6 Gas Gathering Station - Dingbian Zhongyuan Lvngeng LNG Plant Natural Gas Pipeline • Sulige No.5 Gas Process Plant - Dingbian Zhongyuan Lvngeng LNG Plant Natural Gas Pipeline • Daniudi Gasfield - Daliuta Natural Gas Pipeline • Qingyangcha - Jingbian Industry Park Natural Gas Pipeline • Lvyan Mizhi LNG Plant Natural Gas Pipeline • Zhi - Fu Natural Gas Pipeline (Zhiluo Oilfield - Fuxian) • Linzhen - Zichang Natural Gas Pipeline • Linzhen - Zichang Natural Gas Pipeline Fangqiao - Yaodian Branchline • Linzhen - Fuxian Natural Gas Pipeline • Yao - He Natural Gas Pipeline (Yaodian - Hezhuangping) • Bao'an - Danba Natural Gas Pipeline • Bao'an - Danba Natural Gas Pipeline Zhidan - Xinghe Branchline • Bao'an - Danba Natural Gas Pipeline Liuping - Zhidan Branchline • Bao'an - Danba Natural Gas Pipeline Liuping - Shunning Branchline • Jing - Xi Natural Gas Pipeline 3 Yongning Town Branchline • Jing - Xi Natural Gas Pipeline 3 Shuangdun - Danba Branchline • Danba - Jinding - Huxingzhuang Natural Gas Pipeline • Wangnangou - Zhidan Natural Gas Pipeline • YQ2-18 Well Station - Yanchang County Natural Gas Pipeline • Yan259 Well Station - Yichuan County Natural Gas Pipeline • Yan181 Well - Yichuan County's Yunyan Town Natural Gas Pipeline • Wen'anyi - Yanchuan County Natural Gas Pipeline • Xuecha - Wuqi Natural Gas Pipeline • Huangling Shangzhaizhuang Industry Park Natural Gas Pipeline • Linzhen - Zichang Natural Gas Pipeline Yan2 Block - Yaodian Branchline • Hezhuangping - Yaodian Natural Gas Pipeline Northern Yan'an New District Branchline • Yanchang Eastern Gas Process Plant - Yaodian Natural Gas Pipeline • Zichang Eastern Gas Process Plant - Panlong Natural Gas Pipeline • Y1 Gas Gathering Station - Huanglong County Natural Gas Pipeline • Sunan-32 Gathering Station - Wuqi County Natural Gas Pipeline • Zhaojiaying - Yaozhou Natural Gas Pipeline • Guanzhong Natural Gas Pipeline Circle Yangling Branchline • Xianyang North 5 Counties' Natural Gas Pipeline • Xianyang City Rim Natural Gas Pipeline • Qianxin - Beiyuan Natural Gas Pipeline • Beiyuan - Xianyang High & Novel Technology Zone Natural Gas Pipeline • Yihe - Jingyang Natural Gas Pipeline • Xingping - Liquan Natural Gas Pipeline • Liquan - Qianxian Natural Gas Pipeline • Dafosi Coal Mine - Binxian CBM Pipeline • Xianyang Tianhong Silicon Natural Gas Pipeline • Xian - Bao Natural Gas Pipeline Xinke Branchline • Guanzhong Natural Gas Pipeline Circle Weinan Branchline • Weinan - Jin-Shan-Yu Yellow River Delta Region Natural Gas Pipeline • Weinan - Jin-Shan-Yu Yellow River Delta Region Natural Gas

Pipeline Linwei Branchline • Weinan - Jin-Shan-Yu Yellow River Delta Region Natural Gas Pipeline Weinan Economic Development Zone Connecting Line • Weinan - Jin-Shan-Yu Yellow River Delta Region Natural Gas Pipeline Weinan Economic Development Zone Branchline • Heyang - Chengcheng CBM Pipeline • Yanliang - Fuping Natural Gas Pipeline • Yanliang - Fuping Natural Gas Pipeline 2 • Tongchuan - Fuping Natural Gas Pipeline • Hancheng 1 - Hancheng CBM Pipeline • Hancheng 1 - Xizan Coal Chemical Industry Park CBM Pipeline • Tongguan - Huaxian Industry Park Natural Gas Pipeline • Luofu - Dali County Natural Gas Pipeline • Luyanghu - Baishui Natural Gas Pipeline • Han - Wei - Xi CBM Pipeline and West East Gas Pipeline's Weinan Connecting Line • Xi'an City Rim Natural Gas Pipeline • Xi - Hu Natural Gas Pipeline (Xi'an - Huxian) • Hongqing - Lantian Natural Gas Pipeline • Yihe - Yanliang Natural Gas Pipeline • Yihe - Yanliang Natural Gas Pipeline 2 • Guanzhong Natural Gas Pipeline Circle and Xi'an - Shangluo Natural Gas Pipeline's Connecting Line • Guanzhong Natural Gas Pipeline Circle Xi'an Yanliang State Aviation Technology Industry Base Branchline • Guanzhong Natural Gas Pipeline Circle Lantian Taoyu Branchline • Jingwei - Gaoling Natural Gas Pipeline • Wugong - Zhouzhi Natural Gas Pipeline • Shangluo - Shangnan Natural Gas Pipeline • Shangluo - Shanyang Natural Gas Pipeline • Shangluo - Luonan Natural Gas Pipeline • Shangluo City's Shangdan Industry Park Natural Gas Pipeline • Guozhen - Fengxiang Natural Gas Pipeline • Fengxiang - Changqing Industry Park Natural Gas Pipeline • Caijiao - Qishan Natural Gas Pipeline • Baoji City Gas Pipeline Rim • Taibai Gas Transfer Station - Taibai Natural Gas Pipeline • Mei County - Long County Natural Gas Pipeline • Changqing - Fufeng Natural Gas Pipeline • Fufeng Tairong Ceramics Natural Gas Pipeline • Mianxian - Hanzhong Zinc Company Natural Gas Pipeline • Hanzhong - Nanzheng Natural Gas Pipeline • Chenggu - Yangxian Natural Gas Pipeline • Hanzhong Gas Transfer Station - Hanzhong New Hope LNG Regasification Station Natural Gas Pipeline • Nanhe - Liuba Natural Gas Pipeline • Zhongwei - Guiyang Natural Gas Pipeline No.28 Valve Station - Ningqiang County Industry Zone Natural Gas Pipeline • Shiquan Gas Transfer Station - Shiquan Natural Gas Pipeline • Han - An Natural Gas Pipeline Hengkou Branchline • Han - An Natural Gas Pipeline Hanyin Branchline • Ankang - Xunyang Natural Gas Pipeline • Wenan Gasfield - Suqiao Oil and Gasfield Natural Gas Pipeline • Suqiao Oil and Gasfield - Su4 Gasfield Natural Gas Pipeline • Su4 Gasfield - Longhuzhuang Oilfield Natural Gas Pipeline • Suqiao Oil and Gasfield - Chaheji Oilfield Natural Gas Pipeline • Chabei Gas Process Station - Nameng Gas Process Station Natural Gas Pipeline • Nameng Oilfield - Longhuzhuang Oilfield Natural Gas Pipeline • Longhuzhuang - Yongqing Oilfield Natural Gas Pipeline • Gu - Yong Natural Gas Pipeline (Guxinzhuan Oilfield - Yongqing) • Liucuan Oilfield Xing9 Block Natural Gas Export Pipeline • Gaoshangbao Oilfield - Laoyemiao Oilfield Natural Gas Pipeline • Nanpu Oilfield - Laoyemiao Oilfield Natural Gas Pipeline • Nanpu Oilfield - Nanpu Oil Storage Oil and Gas Pipeline • Banqiao Oilfield High Pressure Natural Gas Pipeline • Banqiao Oilfield Medium Pressure Natural Gas Pipeline • Banqiao Oilfield Low Pressure Natural Gas Pipeline • Dagang Oilfield Gas Compression Station - Dazhangtuo Underground Gas Storage Natural Gas Pipeline • Dazhangtuo Underground Gas Storage - Banqiao Oilfield Ban3 Dehydration Station Natural Gas Pipeline • Tangjiahe Gasfield Dong3 Station - Dagang Oilfield Gas Compression Station Natural Gas Pipeline • Tangjiahe Gasfield Tangnan Station - Dagang Oilfield Gas Compression Station Natural Gas Pipeline • Gangdong Oilfield - Dagang Gas Process Plant Natural Gas Pipeline • Qianmiqiao Gasfield Natural Gas Gathering Pipelines • Chenghai Oilfield - Dagang Natural Gas Pipeline • Liulhe - Yongqing Natural Gas Pipeline • Gang - Qing Natural Gas Pipeline (Dagang - Yongqing) • Gang - Qing Natural Gas Pipeline 2 (Dagang - Yongqing) • Gang - Qing Natural Gas Pipeline 3 (Yongqing - Dagang) • Shaan - Jing Natural Gas Pipeline 4 Baodi - Xianghe - Xiji Connecting Line • Keqi Coal-to-Gas Project SNG Pipeline Beijing Section (Gubeikou - Gaoliying) • Tangshan LNG Pipeline • Gang - Cang Natural Gas Pipeline (Dagang Oilfield - Cangzhou) • Gang - Cang Natural Gas Pipeline 2 (Dagang Oilfield - Cangzhou) • Jing - Han Natural Gas Pipeline (Zhuozhou - Handan) • Jing - Shi - Han Natural Gas Pipeline 2 (Zhuozhou - Shijiazhuang - Handan) • Qinhuangdao - Fengnan Coastal Natural Gas Pipeline • Ying - Zhang Natural Gas Pipeline (Yingxian - Zhangjiakou) • Keqi Coal-to-Gas Project SNG Pipeline • Shexian - Shahe CBM Pipeline • Han - Bo Natural Gas Pipeline (Handan - Hebei Bohai New District) • He - Shi Natural Gas Pipeline (Hejian - Shijiazhuang) • Er - An - Cang Natural Gas Pipeline Baoding Branchline (Anping - Baoding) • Qian'an - Chengde Natural Gas Pipeline • Huanghua - Wuyi Natural Gas Pipeline • Cangzhou - Anping - Shijiazhuang Petrochemical Industry Park Natural Gas Pipeline • Anping - Qingxian Natural Gas Pipeline • Yongqing - Beijing Eastern Urban Gate Station Natural Gas Pipeline • Yongqing - Panjiamiao Natural Gas Pipeline • Yongqing - Ciqu Natural Gas Pipeline • Shaan - Jing Natural Gas Pipeline 4 Gaoliying - Xishatun Branchline • Miyun - Liqiao CBM Pipeline • Dagang Oilfield - Sinopec Tianjin Petrochemical Complex Natural Gas Pipeline • Dagang - Xiqing Natural Gas Pipeline • Caiyu - Tongzhou Natural Gas Pipeline • Beijing 5th Highway Rim Natural Gas Pipeline • Beijing 6th Highway Rim Natural Gas Pipeline • Beijing 6th Highway Rim Natural Gas Pipeline West Part • Gaoliying - Laoguangying Natural Gas Pipeline • Caiyu - 5th Highway Rim Natural Gas Pipeline • Luoying - 5th Highway Rim Natural Gas Pipeline • Yinghai - 5th Highway Rim Natural Gas Pipeline • Liqiao - Beijing Airport - 5th Highway Rim Natural Gas Pipeline • Mentougou - 5th Highway Rim Natural Gas Pipeline • Tongzhou - 6th Highway Rim Natural Gas Pipeline • Jing - Ping Natural Gas Pipeline (Liqiao - Pinggu) • Jing - Bao Natural Gas Pipeline (Xishatun - 5th Highway Rim) • Gaoliying - Huairou Natural Gas Pipeline • Huairou - Miyun Natural Gas Pipeline • Bei'anhe and 5th Highwayrim Connecting Line • Nanpu Oilfield - Ninghe Natural Gas Pipeline • Tangshan LNG Pipeline Ninghe Branchline • Yongqing - Yangliuqing Natural Gas Pipeline • Wangqingtu - Yangcun Natural Gas Pipeline • Dagang Oilfield - Jingu Gas Station Natural Gas Pipeline • Tianjin Outer Highway Rim Natural Gas Pipeline • Tianjin North Rim Natural Gas Pipeline • Yangcun - Beichen Natural Gas Pipeline • Beichen - Baodi Natural Gas Pipeline • Baodi - Jixian Natural Gas Pipeline • Jixian - Panlonggu Natural Gas Pipeline • South Dagang Natural Gas Pipeline • Huang - Gang Natural Gas Pipeline • Baodi - Jinghai - Dagang Natural Gas Pipeline • Wuqing Gate Station - Yangcun Natural Gas Pipeline • Huaneng Tianjin IGCC Power Plant Natural Gas Pipeline • Xiaobianzhuang - Jinghai Natural Gas Pipeline • Tianyu - Ziya Natural Gas Pipeline • Yangchengzhuang - Tuanbo Natural Gas Pipeline • Xiaobianzhuang - Jinghai Natural Gas Pipeline 2 • Ji - Tang Natural Gas Pipeline • Ji - Shan Connecting Line Natural Gas Pipeline • Baodi - Ninghe Natural Gas Pipeline • Bao - Jin Natural Gas Pipeline • Tianjing Coastal Natural Gas Pipeline (Xianshuigu - Beitang - Lutai) • Gang - Qing Natural Gas Pipeline 3 Changliu - Baojing Branchline • Di - Ku Natural Gas Pipeline • • • Gang - Ma Natural Gas Pipeline (Dagang Oilfield - Mapengkou) • Wuqing - Dongmaquan Natural Gas Pipeline • Wenyangfang - Cuihuangkou Natural Gas Pipeline • Baodi Gate Station - Baodi Natural Gas Pipeline • CNOOC Tianjin LNG Export Pipeline (Nanjiang - Lingang) • CNOOC Western Inner Mongolia SNG Pipeline Tianjin LNG Connecting Line • • • Dongshan - Yu'ershan Natural Gas Pipeline • Ying - Zhang Natural Gas Pipeline Yangyuan Branchline • Ying - Zhang Natural Gas Pipeline Xuanhua Yanghe New District Branchline • Ying - Zhang Natural Gas Pipeline Hua'an Branchline • Ying - Zhang Natural Gas Pipeline Zhangbei - Shangyi

Branchline • Ying - Zhang Natural Gas Pipeline Huailai Branchline • Ying - Zhang Natural Gas Pipeline Chicheng Branchline • Ying - Zhang Natural Gas Pipeline Guyuan Branchline • Ying - Zhang Natural Gas Pipeline Chongli Branchline • Ying - Zhang Natural Gas Pipeline Kangbao Branchline • Ying - Zhang Natural Gas Pipeline Weixian Branchline • Ying - Zhang Natural Gas Pipeline Huailai - Yanshan Branchline • Shaan - Jing Natural Gas Pipeline 4 Zhangjiakou Branchline • Xingzhou - Chengde SNG Pipeline • Xingzhou - Chengde SNG Pipeline Luaping Branchline • Chengde Gate Station - Guangrenling SNG Pipeline • Qian'an - Chengde Natural Gas Pipeline Kuancheng - Pingquan Branchline • Qinhuangdao Gate Station - Haigang Natural Gas Pipeline • Haigang - Beidaihe Natural Gas Pipeline • Haigang - Shanhaiguan Natural Gas Pipeline • Beidaihe - Huangjinhai'an Natural Gas Pipeline • Yong - Tang - Qin Natural Gas Pipeline Funing Branchline • Qian'an Hedong Natural Gas Pipeline • Qian'an Hexi Natural Gas Pipeline • Tangshan Southeast Natural Gas Pipeline Luanxian Section (Truckline) • Tangshan Southeast Natural Gas Pipeline Luanxian Section Damazhuang - Guye Branchline • Luannan County Natural Gas Supply Pipeline • Laoting County Natural Gas Supply Pipeline • Zunhua City's Natural Gas Supply Pipeline • Qianxi County Natural Gas Supply Pipeline • Qian'an - Qianxi Natural Gas Pipeline • Yong - Tang - Qin Natural Gas Pipeline Yutian Branchline • Qian'an - Luanxian Natural Gas Pipeline • Jiatang Natural Gas Pipeline (Gaoshangbao - Jiatang) • Nan - Huang - Kai Natural Gas Pipeline (Nanpu - Huanggezhuang - Kaiping) • Gaoshangbao - Tanghai Natural Gas Pipeline • Gaoshangbao - Luannan Natural Gas Pipeline • Nan - Tang Natural Gas Pipeline (Nanpu Oil Storage - Tangshan) • Qinhuangdao - Fengnan Coastal Natural Gas Pipeline Luannan Branchline • Guye - Tangshan Coal Gas Pipeline • Wan - Lang Natural Gas Pipeline (Wanzhuang - Langfang) • ENN Yong - Lang Natural Gas Pipeline (Yongqing - Langfang) • Jing 58 Underground Gas Storages - Yongqing Natural Gas Pipeline • Shaan - Jing Natural Gas Pipeline's No.37 Valve Station - Suqiao Underground Gas Storage Pipeline • Kangxianzhuang - Bazhou Natural Gas Pipeline • Suqiao Gasfield - Wen'an Natural Gas Pipeline • Shaan - Jing Natural Gas Pipeline 2 Wen'an Branchline • Shaan - Jing Natural Gas Pipeline 2 Xinzhen Steel Plant Branchline • Langfang Northern 3 Counties Natural Gas Truckline • Best Sun Gas Yong - Lang Natural Gas Pipeline (Yongqing - Langfang) • Bomei (Yongqing) Glass Natural Gas Pipeline • Yong - Gu Natural Gas Pipeline (Yongqing - Gu'an) • Yong - Niu Natural Gas Pipeline (Yongqing - Niutuo) • Wu - San Natural Gas Pipeline (Wuqing - Sanhe) • Yong - Gu Natural Gas Pipeline Gu'an Emerging Industry Park Branchline • Gu'an Emerging Industry Park - Niutuo Natural Gas Pipeline • Gu'an Emerging Industry Park - Niutuo Natural Gas Pipeline Daqinghe Branchline • Gang - Qing Natural Gas Pipeline 3 Dacheng County Moden Manufacturing Industry Park Branchline • Kang - Su Natural Gas Pipeline (Kangxianzhuang - Suqiao) • SPIC Langfang Gas Thermal Power Plant Natural Gas Pipeline • CNOOC Western Inner Mongolia SNG Pipeline Langfang Branchline • Ducun - Laiyuan Natural Gas Pipeline • Jing - Han Natural Gas Pipeline Baoding Branchline • Jing - Han Natural Gas Pipeline Dingzhou Branchline • Lixian County Gate Station - Lixian Rubber Industry Zone Natural Gas Pipeline • Jing - Han Natural Gas Pipeline Zhuozhou Branchline • Bazhou - Baoding Natural Gas Pipeline • Baoding - Bazhou Natural Gas Pipeline Baigou Branchline • Baoding - Bazhou Natural Gas Pipeline Xiongxin Branchline • Baoding - Bazhou Natural Gas Pipeline Rongcheng Branchline • Baoding - Bazhou Natural Gas Pipeline Anxin Branchline • Baoding - Bazhou Natural Gas Pipeline Dawangdian Branchline • Gaoyang - Baoding - Xushui Natural Gas Pipeline • Suxinzhuang - Shunping Natural Gas Pipeline • Baoding - Bazhou Natural Gas Pipeline Laohetou Branchline • ENN Gaoyang - Baoding - Xushui Natural Gas Pipeline Baoding Branchline • Anping - Anguo Natural Gas Pipeline • Anguo - Baoding Natural Gas Pipeline • Dingzhou Yinhe Aluminium Industry Park Natural Gas Pipeline • Anguo City's Traditional Chinese Medicine Industry Part (North Park) Natural Gas Pipeline • Baoding Jiantou CNG Mother Station - Mancheng Economic Development Zone Natural Gas Pipeline • Shaan - Jing Natural Gas Pipeline 1 Yixian Branchline • Yixian - Laishui Natural Gas Pipeline • Dagang - Huanghua Natural Gas Pipeline • Xiaohanzhuang - Cangzhou Lingang Industrial Park Natural Gas Pipeline • Dezhou - Wujiao Natural Gas Pipeline • Zhong - Cang Natural Gas Pipeline Botou Branchline • Botou - Nanpi Natural Gas Pipeline • Anping - Suning Natural Gas Pipeline • Shaan - Jing Natural Gas Pipeline Yanling Underground Storage Branchline • Shaan - Jing Natural Gas Pipeline 2 Hejian Branchline • Shaan - Jing Natural Gas Pipeline 2 Renqiu Branchline • He - Shi Natural Gas Pipeline Xianxian County Economic Development Zone Branchline • Wulongtang - Mengcun Natural Gas Pipeline • Wulongtang - Daizhuang Natural Gas Pipeline • Daizhuang - Mengcun Tianzhuang Natural Gas Pipeline • Mengcun Tianzhuang - Yanshan Wuliyaou Natural Gas Pipeline • Qing - Wu Natural Gas Pipeline (Qingxian County - Wujiao) • West East Gas Pipeline Ji-Ning Connecting Line Hengshui Branchline • West East Gas Pipeline Jizao Branchline • Jizhou - Xiwang Natural Gas Pipeline • Wuyi - Fucheng Natural Gas Pipeline • Wuyi - Qingliangdian Natural Gas Pipeline • Dezhou - Jingxian Natural Gas Pipeline • Jingxian - Longhua Industry Park Natural Gas Pipeline • Anping Natural Gas Pipeline • Shaan - Jing Natural Gas Pipeline 2 Anping Gas Stations' Connecting Line • Anping - Raoyang Natural Gas Pipeline • Anping - Raoyang Natural Gas Pipeline Shenzhou Branchline • Xinji - Hengshui Natural Gas Pipeline • Han - Bo Natural Gas Pipeline Wuyi - Jingxian Branchline • Xinzhuang - Gucheng Natural Gas Pipeline • Xiaozhang - Zaoqing Natural Gas Pipeline • Hengshui Taocheng Zhaojiaquan Industry Park Natural Gas Pipeline • Jing - Han Natural Gas Pipeline Shijiazhuang Branchline • Shaan - Jing Natural Gas Pipeline 2 Shijiazhuang Branchline • Shijiazhuang Power Plant Natural Gas Supply Pipeline • Shenzhou - Gaocheng Natural Gas Pipeline • Shenzhou - Gaocheng Natural Gas Pipeline Xiaoxinzhuan Branchline • Shenzhou - Gaocheng Natural Gas Pipeline Xinji Branchline • Shenzhou - Gaocheng Natural Gas Pipeline Xincheng Branchline • Shijiazhuang Southern Industry Park Natural Gas Pipeline (Gaoyi - Zhanhuang) • Sunzhuang - Jingxing Natural Gas Pipeline • Jingxing - Jingxing Mine District Natural Gas Pipeline • Shijiazhuang No.3 Highway Rim Natural Gas Pipeline • Gaocheng - Jinzhou - Xinji Natural Gas Pipeline • Gaocheng - Jinzhou - Xinji Natural Gas Pipeline Wuji Branchline • Shenzhou - Wuji Natural Gas Pipeline • Luquan - Xingtang Natural Gas Pipeline • Shijiazhuang Taihang Street Natural Gas Pipeline • Zhengding - Shijiazhuang Airport Industrial Zone Natural Gas Pipeline • Jing - Han Natural Gas Pipeline Zhengding Branchline • Zhufutun - Xinchengpu Natural Gas Pipeline • Yifan - Pingshan Natural Gas Pipeline • Pingshan - Jingye Natural Gas Pipeline • Xihanzhuang - Yuanshi Natural Gas Pipeline • Nandong - Gaocheng New District Natural Gas Pipeline • Gaocheng Fenghua Gate Station - Xinle Development Zone Power Plant Natural Gas Pipeline • Anping - Shenze Natural Gas Pipeline • Xingtai - Renxian Natural Gas Pipeline • Xingtai - Nanhe Natural Gas Pipeline • Neiqiu - Longyao Natural Gas Pipeline • Longyao - Julu Natural Gas Pipeline • Xingtai - Huangsi Natural Gas Pipeline • Julu - Guangzong - Weixian Natural Gas Pipeline • Guangzong - Pingxiang - Hegumiao Natural Gas Pipeline • Gaoyi - Qinghe Natural Gas Pipeline • Jing - Shi - Han Natural Gas Pipeline 2 and Gaoyi - Qinghe Natural Gas Pipeline's Connecting Line • Shahe City Rim Natural Gas Pipeline • Shahe City's West Rim Road - Baita Natural Gas Pipeline • Jing - Han Natural Gas Pipeline Neiqiu Branchline • Nan'gong - Shahe Natural Gas Pipeline • Julu - Renxian Natural Gas Pipeline • Qinghe - Linxi Natural Gas Pipeline • Anyang - Handan Natural

Gas Pipeline (Handan Section) • Cixian - Fengfeng Natural Gas Pipeline • Matou - Cheng'an Natural Gas Pipeline • Cheng'an - Weixian Natural Gas Pipeline • Jing - Han Natural Gas Pipeline Yongnian Branchline • Guantao - Shexian Natural Gas Pipeline • Daming - Jize Natural Gas Pipeline • Nanle - Daming Natural Gas Pipeline • Cixian - Linzhang Natural Gas Pipeline • Han - Wu Natural Gas Pipeline (Handan - Wu'an) • Licheng - Wu'an Natural Gas Pipeline • Gudao Oilfield Natural Gas Gathering Pipeline • Kenxi Oil & Gasfield - Gudao Natural Gas Pipeline • Gudong Oil and Gasfield Natural Gas Gathering Pipelines • Hongliu Oil and Gasfield - Gudong Oil and Gasfield Natural Gas Pipeline • Gudong Oil and Gasfield - Gudao Natural Gas Pipeline • Laohekou Oilfield Zhuang106 Station - Zhuangxi Oilfield Zhuang82 Gas Gathering Station Natural Gas Pipeline • Zhuangxi Oilfield Zhuang104 Station - Zhuangxi Oilfield Zhuang82 Gas Gathering Station Natural Gas Pipeline • Zhuangxi Oilfield Zhuang82 Gas Gathering Station - Zhuangxi Light-Hydrocarbon Station Natural Gas Pipeline • Zhuangxi Light-Hydrocarbon Station - Wuhaozhuang Oilfield Zhuang82 Gas Gathering Station Natural Gas Pipeline • Wuhaozhuang Oilfield Zhuang52 Gas Gathering Station Export Pipeline • Changdi Oilfield Zhuang1 Block - Wuhaozhuang Oilfield Zhuang52 Gas Gathering Station Natural Gas Pipeline • Changdi Oilfield - Wuhaozhuang Oilfield Zhuang52 Gas Gathering Station Natural Gas Pipeline • Zhuangxi Light-Hydrocarbon Station - Wuhaozhuang Oilfield Zhuang52 Gas Gathering Station Natural Gas Pipeline • Dawangzhuang Oilfield Natural Gas Gathering Pipelines • Yingqiongtan Oilfield Oilfield Natural Gas Gathering Pipelines • Feiyantan Oil & Gasfield - Xingdong Oil & Gasfield Natural Gas Pipeline • Chengdong Oil & Gasfield - Hekou Natural Gas Pipeline • Bonan Oilfield Bo1 Oil Gathering Station - Bonan Gas Gathering Station Natural Gas Pipeline • Bonan Oilfield Bo3 Process Station - Bonan Gas Gathering Station Natural Gas Pipeline • Bonan Oilfield Boshen6 Oil Gathering Station - Bonan Gas Gathering Station Natural Gas Pipeline • Shengtuo Oilfield - Dongying Natural Gas Pipeline • Dongxin Oilfield Xin1 Process Station - Ying2 Gas Station Natural Gas Pipeline • Dongxin Oilfield Ying2 Gas Station - Dongying Gas Compressor Station Natural Gas Pipeline • Dongxin Oilfield 102 Process Station - Dongying Gas Compressor Station Natural Gas Pipeline • Dongxin Oilfield Xin3 Process Station - Yong'anzen Oilfield Yong1 Process Station Natural Gas Pipeline • Yong'an Gasfield - Dongying Natural Gas Pipeline • Yanjia Oilfield Natural Gas Export Pipeline • Huagou Gasfield Natural Gas Gathering Pipelines • Linpan Oilfield Gas Compressor Station - Linpan 1st Process Station Natural Gas Pipeline • Chenjiazhuang Oilfield - Jixian Natural Gas Pipeline • Chunliang Oilfield - Douke Natural Gas Pipeline • Gaoqing Oilfield - Chunliang Oilfield Natural Gas Pipeline • Binnan Oilfield - Dongying Natural Gas Pipeline • Qiaokou Oilfield - Dongming Valve Station Natural Gas Pipeline • Machang Oilfield - Dongming Valve Station Natural Gas Pipeline • Dongming Valve Station - Zhongyuan Oilfield No.6 Oil Production Plant Gas Station Natural Gas Pipeline • Dongming Valve Station and Zhong-Kai Pipeline's Connecting Line • Baimiao Gasfield No.2 Gathering Station - Zhongyuan Oilfield No.6 Oil Production Plant Gas Station Natural Gas Pipeline • Tai - Qing - Wei Natural Gas Pipeline (Tai'an - Qingdao - Weihai) • Tai - Qing - Wei Natural Gas Pipeline Dongying Branchline (Linqu - Dongying) • Moye Island - Weihai Natural Gas Pipeline • PetroChina Qingdao - Rizhao Natural Gas Pipeline • Tai'an - Shanxian Natural Gas Pipeline • Gu - Dong - Xin Natural Gas Pipeline (Gudao - Dongying - Xindian) • Zhong - Ji Natural Gas Pipeline (Zhongyuan Oilfield - Jinan) • Jinan - Qilu Petrochemical Natural Gas Pipeline (Jinan - Laixi) • Zibo - Qingdao Natural Gas Pipeline • Ji - Qing Natural Gas Pipeline 2 (Jinan - Qingdao) • Ji - Qing Natural Gas Pipeline 2 Linzi Connecting Line • Xuan - Ning Natural Gas Pipeline (Xuanzhongtun - Jining) • Jiaozhou - Rizhao Natural Gas Pipeline • Zibo - Laiwu Natural Gas Pipeline • Shandong LNG Export Pipeline Main Truckline (Dongjiakou - Boli) • Shandong LNG Export Pipeline Northern Truckline (Boli - Laixi) • Shandong LNG Export Pipeline Southern Truckline (Boli - Linyi) • Jining - Linyi Natural Gas Pipeline • Cang - Zi Natural Gas Pipeline (Cangzhou - Zibo) • West East Gas Pipeline Ji-Ning Connecting Line Dezhou Branchline • West East Gas Pipeline Ji-Ning Connecting Line Wucheng Branchline • Zhong - Cang Pipeline and West-East Yi-Ning Pipeline's Connecting Line • Zhong - Cang Natural Gas Pipeline Pingyuan Branchline • Dezhou - Linyi Economic Development Zone Natural Gas Pipeline • Linyi Economic Development Zone - Linnan Xiaokou Natural Gas Pipeline • Linyi Economic Development Zone - Linzi Xiaokou Natural Gas Pipeline • Dezhou - Lingxian Natural Gas Pipeline • Dezhou Development Zone - Lingcheng District Natural Gas Pipeline • Zhong - Cang Natural Gas Pipeline Ningjin Branchline (Dongguan - Ningjin) • Cang - Zi Natural Gas Pipeline Yueling Branchline • Wucheng - Xiajin Natural Gas Pipeline • Xuanzhang - Qihe Economic Zone Natural Gas Pipeline • Qihe - Haide Natural Gas Pipeline • Shifosi - Shiliwang Natural Gas Pipeline • Linpan Oilfield Gas Compressor Station - Linpan Gas Station Natural Gas Pipeline • Qingyun - Dezhou Natural Gas Pipeline • Sinopec Tianjin LNG Pipeline Binzhou Branchline • Ji - Qing Natural Gas Pipeline 2 Binzhou Branchline • Yangxin - Zhanhua Natural Gas Pipeline • Cang - Zi Natural Gas Pipeline No.6 Valve Station - Binzhou Branchline • Cang - Zi Natural Gas Pipeline Qingyun - Wudi Branchline • Cang - Zi Natural Gas Pipeline 7# Valve Station - Binzhou Branchline • Gaoqing - Boxing Natural Gas Pipeline • Boxing - Jingbo Petrochemical Natural Gas Pipeline • Boxing - Xingfu Industrial Park Natural Gas Pipeline • Guangtong Gao - Bo Natural Gas Pipeline (Gaoqing - Boxing) • Cang - Zi Natural Gas Pipeline Yangxin Branchline • Cang - Zi Natural Gas Pipeline Zouping Branchline (Maqiao - Zouping) • Gaoqing - Zhouping Natural Gas Pipeline • Maqiao - Dongwei Natural Gas Pipeline • Dawang - Dianzi Natural Gas Pipeline • Dianzi - Jingbo Industry Park Natural Gas Pipeline • Gudao - Hekou Natural Gas Pipeline • Hekou Oil Recovery Plant Central Gas Station - Hekou Natural Gas Pipeline • Gudong Oil and Gasfield - Xianhe Natural Gas Pipeline • Weifang - Dongying Natural Gas Pipeline Guangrao Branchline • Dongying City High-Pressure Natural Gas Pipeline Grid • Guangrao Binhai New District Natural Gas Pipeline (Binhai Gas Station - Qirun Petrochemical Plant) • Guangrao Economic Development Zone - Zhenghe Group Natural Gas Pipeline • Jiao - Lai Natural Gas Pipeline (Jiaozhou - Laizhou) • Jiaozhou - Qingdao Refinery Natural Gas Pipeline • Gumiaotou - Licun Natural Gas Pipeline • Gumiaotou - Qingdao Coking Gas Plant Natural Gas Pipeline • Tai - Qing - Wei Natural Gas Pipeline Qingdao Branchline • Gouli - Nancun Natural Gas Pipeline • Eastern Jimo Region Natural Gas Pipeline • Liaolan - Pingdu Natural Gas Pipeline • Jiaozhou - Huangdao Natural Gas Pipeline • Jiaozhou - Rizhao Natural Gas Pipeline Jiaonan Branchline • Tai'shan Road Gate Station - Xiaokou Natural Gas Pipeline • Boli - Dongjiakou Natural Gas Pipeline • Gumiaotou - Jimo Natural Gas Pipeline • Jiaolai - Pudong Natural Gas Pipeline • Laizhou - Xinha Natural Gas Pipeline • Xinha - Tonghe Natural Gas Pipeline • Gaomi - Pingdu Natural Gas Pipeline • Pingdu - Laixi Natural Gas Pipeline • Jiaozhou CNG Mother Station - Jimo Lancun CNG Mother Station Natural Gas Pipeline • Tai - Qing - Wei Natural Gas Pipeline Jiaozhou - Huadian Qingdao Liuting Airport Distributed Energy Station Branchline • Qingdao LNG Terminal BOG Export Pipeline • Liaocheng - Tai'an Natural Gas Pipeline • Tai'an - Feicheng Natural Gas Pipeline • Tai'an - Feicheng Natural Gas Pipeline 2 • Feicheng - Shiheng Natural Gas Pipeline • Feicheng - Anjiazhuang Natural Gas Pipeline • Pingyin - Dongping Natural Gas Pipeline • Shankou - Tai'an Natural Gas Pipeline • Tai - Qing - Wei Natural Gas Pipeline Shankou Branchline • Tai'an - Xintai Natural Gas Pipeline • Anjiazhuang - Ningyang

Natural Gas Pipeline • Qufu - Ningyang Natural Gas Pipeline • Taishan Boxian Natural Gas Pipeline • Wenshang - Dayang Natural Gas Pipeline • Pengji - Zhoucheng Natural Gas Pipeline • Laicheng - Xueye Natural Gas Pipeline • Shandong Natural Gas Pipeline Laigang Branchline • Ji - Qing Natural Gas Pipeline Hutian Branchline • Zhangdian - Boshan Natural Gas Pipeline • Shandong Natural Gas Pipeline Zibo Branchline • Nanboshan - Yiyuan Natural Gas Pipeline • Nanboshan - Badou Natural Gas Pipeline • Zibo - Hengtai Natural Gas Pipeline • Maqiao - Guoli Natural Gas Pipeline • Badou - Longquan Natural Gas Pipeline • Ji - Qing Natural Gas Pipeline 2 Huantai Branchline • Weibei Oilfield - Changyi Natural Gas Pipeline • Ji - Qing Natural Gas Pipeline Shouguang Branchline • Ji - Qing Natural Gas Pipeline Qingzhou Branchline • Ji - Qing Natural Gas Pipeline Changle Branchline • Ji - Qing Natural Gas Pipeline Gaomi Branchline • Qingzhou - Dawangzhen Natural Gas Pipeline • Weifang - Dongying Natural Gas Pipeline Qingzhou Branchline • Weifang - Dongying Natural Gas Pipeline Changle Branchline • Weifang - Dongying Natural Gas Pipeline Shouguang Branchline • Weifang - Binhai Natural Gas Pipeline • Gudi - Bozi Natural Gas Pipeline • Tai - Qing - Wei Natural Gas Pipeline Weifang Branchline • Weifang - Changyi Natural Gas Pipeline • Tai - Qing - Wei Natural Gas Pipeline Gaomi Branchline • Shandong Natural Gas Pipeline Changyi Branchline (Gaomi - Changyi Linhai Industry Park) • Gaomi - Changyi Binhai (Xiaying) Economic Development Zone Natural Gas Pipeline • Jiaonan - Zhucheng Natural Gas Pipeline • Anqiu - Zhucheng Natural Gas Pipeline • Shouguang - Weifang Binhai Economic Zone Natural Gas Pipeline • Wangmugong - Shaozhuang Natural Gas Pipeline • Tai - Qing - Wei Natural Gas Pipeline Tangwu Branchline • Longkou - Yantai Natural Gas Pipeline • Daxindian - Penglai Natural Gas Pipeline • Longkou - Laizhou Natural Gas Pipeline • Huangshanguan - Zhaoyuan Natural Gas Pipeline • Linguanzhuang - Wuning Zhaoyuan Natural Gas Pipeline • Yantai - Laixi Natural Gas Pipeline (Yantai - Laiyang - Laixi) • Fushan - Qixia Zhaoyuan Natural Gas Pipeline • Laiyang - Haiyang - Rushan Natural Gas Pipeline • Yantai Baosteel Pipeline Plant Natural Gas Pipeline • Penglai Beigou Natural Gas Pipeline (Zhaizicun - Beigou) • Penglai Chaoshui Natural Gas Pipeline • Tantai Floating LNG Terminal Export Pipeline • Tai - Qing - Wei Natural Gas Pipeline Zhaoyuan Branchline • Zhaoyuan - Longkou Natural Gas Pipeline • Jimu Island - Donghai Industrial Park Natural Gas Pipeline • Laixi - Longkou Natural Gas Pipeline • Jimu Island - Conglin Natural Gas Pipeline • Sanshan Island - Chengguo Natural Gas Pipeline • Zhaoyuan Gate Station - Linglong Tire Additives Plant Natural Gas Pipeline • Xujiadian - Haiyang Natural Gas Pipeline • Tiancun - Yangjiaobu Natural Gas Pipeline • Yan - Wei Natural Gas Pipeline (Yantai - Weihai) • Weihai - Rongcheng Natural Gas Pipeline • Mishan - Gejia Natural Gas Pipeline • Yangjiaobu - Gushan Natural Gas Pipeline • Rongcheng - Gangxi Natural Gas Pipeline • Wangtuan - Kaiyuan Road Natural Gas Pipeline • Rushan - Wendeng - Rongcheng Natural Gas Pipeline • Dashuibo - Shidao Natural Gas Pipeline • Shangzhuang - Hushan Natural Gas Pipeline • Chishan - Renhe Natural Gas Pipeline • Tai - Qing - Wei Natural Gas Pipeline Rushan Branchline • Daokoupu - Fenghuang Industrial Park Natural Gas Pipeline • Beiyangji - Liaocheng Economic Development Zone Natural Gas Pipeline • Cang - Zi Natural Gas Pipeline Chiping Branchline (Yucheng - Chiping) • Shenxian - Guanxian Natural Gas Pipeline • Shibalipu - Yanggu Natural Gas Pipeline • Yanggu - Xiangguang Copper Plant Natural Gas Pipeline • Yanggu - Xiangguang Cold Reduced Sheet Plant Natural Gas Pipeline • Yanggu - Sanshan Natural Gas Pipeline • Xinxian - Yanggu Natural Gas Pipeline • Cuizhuang - Gaotang Shifeng Natural Gas Pipeline • Liaocheng Beiyangji - Liaocheng Houde Gate Station Natural Gas Pipeline • Liaocheng Houde Gate Station - Chiping Wenchen Natural Gas Pipeline • Jinan Western High Pressure Natural Gas Pipeline Rim (Guide - Yuqinghu) • Jinan Eastern High Pressure Natural Gas Pipeline Rim (Kouzhen - Jinandong - Dalongtang) • Jinan High Pressure Natural Gas Pipeline Rim (Zhangqiu Gate Station - Suncun) • Jinan Northern High Pressure Natural Gas Pipeline Rim • Cang - Zi Natural Gas Pipeline Shanghe Branchline • Shanghe - Yuhuangmiao Natural Gas Pipeline • Shanghe - Jiyang Natural Gas Pipeline • Yucheng - Jiyang Natural Gas Pipeline • Jiyang - Yaoqing Natural Gas Pipeline • Guide - Ping'andian Natural Gas Pipeline • Ping'andian - Danshantun Natural Gas Pipeline • Xiejiatun - Suncun Natural Gas Pipeline • Yaoqiang - Huashan Natural Gas Pipeline • Yaoqiang - Tangwang Natural Gas Pipeline • Guide - Gushan Natural Gas Pipeline • Gushan - Wande Natural Gas Pipeline • Gushan - Dangjia Natural Gas Pipeline • Ji - Sun Natural Gas Pipeline (Huife - Sungeng) • Mingji - Zhangqiu Natural Gas Pipeline • Jinan - Kongcun Natural Gas Pipeline • Jinan - Pingyin Natural Gas Pipeline • West East Gas Pipeline Ji-Ning Connecting Line Jining Branchline (Qufu - Jining) • Wangyin - Jining Natural Gas Pipeline • Sanshilipu - Jining Natural Gas Pipeline • Jining Highway Outer Rim Natural Gas Pipeline • Jining - Tangkou Natural Gas Pipeline • Yanzhou - Xinglongzhuang Natural Gas Pipeline • Wenshang - Jiaxiang Natural Gas Pipeline • Jiaxiang - Huji Natural Gas Pipeline • Wenshang - Liangshan Natural Gas Pipeline • Huji - Yutai Natural Gas Pipeline • Yutai - Weishan Natural Gas Pipeline • Jining - Yanzhou Natural Gas Pipeline • Xiaoxue - Xizou Natural Gas Pipeline • Tangkou - Jinxiang Natural Gas Pipeline • Jining - Wenshang Natural Gas Pipeline • Xiaoxue - Qufu Natural Gas Pipeline • Xiaoxue - Zoucheng Natural Gas Pipeline • Zaozhuang - Weishan Natural Gas Pipeline • Pingyi - Sishui Natural Gas Pipeline • Qufu - Sishui Natural Gas Pipeline • Qufu - Zoucheng Industry Park Natural Gas Pipeline • Zhongyuan Oilfield No.6 Oil Production Plant Gas Station - Dongming Fertilizer Plant Natural Gas Pipeline • Zhongyuan Oilfield Dongming - Heze Natural Gas Pipeline • Dongming Valve Station - Shandong Hongye Chemical Plant Natural Gas Pipeline • Kunlun Gas Dongming - Heze Natural Gas Pipeline • Pingdingshan - Tai'an Natural Gas Pipeline Heze Branchline • Pingdingshan - Tai'an Natural Gas Pipeline Juye Kunpeng Branchline • Heze - Chengwu Natural Gas Pipeline • Chengwu - Shanxian Natural Gas Pipeline • Heze Guanghe Dongming - Heze Natural Gas Pipeline • Pingdingshan - Tai'an Natural Gas Pipeline Juye Kunlun Branchline • Yuncheng South Chemical Industry Park Natural Gas Pipeline • Chengwu Kunpeng Gate Station - Chengwu Qianneng Gate Station Natural Gas Pipeline • Pingdingshan - Tai'an Natural Gas Pipeline Caodian Branchline (Donghe New Energy) • Pingdingshan - Tai'an Natural Gas Pipeline Caodian Branchline (Tianlun Gas) • Beikuo - Donggang Natural Gas Pipeline • Chengxi Gate Station - Rizhao Natural Gas Pipeline • Heshan Gate Station - Rizhao Natural Gas Pipeline • Jiaonan Haiqing - Wulian Chaohe Natural Gas Pipeline • Rizhao - Rizhao North Economic Zone Natural Gas Pipeline • Chaohe - Wulian Natural Gas Pipeline • Yishui - Juxian Natural Gas Pipeline • West East Gas Pipeline Ji-Ning Connecting Line Linyi Branchline (Tengzhou - Linyi) • Linyi Highway Outer Rim Natural Gas Pipeline • Zhimadun - Tancheng Natural Gas Pipeline • Dahetuan - Junan Natural Gas Pipeline • Dadian - Junan Natural Gas Pipeline • Luoxi - Tuanlin Natural Gas Pipeline • Linyi - Yinan Natural Gas Pipeline • Yinan Gas Transfer Station - Yinan Natural Gas Pipeline • Linyi - Feixian Natural Gas Pipeline • Feixian - Pingyi Natural Gas Pipeline • Pingyi - Mengyin Natural Gas Pipeline • Yitang - Cangshan Natural Gas Pipeline • Hedong - Dadian Natural Gas Pipeline • Dadian - Doushan Natural Gas Pipeline • Zhimadun - Linsu Natural Gas Pipeline • Zao - Lin Natural Gas Pipeline (Zaozhuang - Linyi) • Xintai - Mengyin Natural Gas Pipeline • Zao - Tan Natural Gas Pipeline (Zaozhuang - Tancheng) • Dong - Tan Natural Gas Pipeline (Donghai - Tancheng) • Tai - Qing - Wei Natural Gas Pipeline Linyi Branchline • Zaozhuang Gate Station - Zaozhuang

Natural Gas Pipeline • Qinwo - Diaozhuang Natural Gas Pipeline • Tengzhou Jinzhou Glass Industry Park Natural Gas Pipeline • Tengzhou Kaiyuan Chemical Natural Gas Pipeline • Tengzhou Yangzhuang - Chaihudian Natural Gas Pipeline • Tengzhou Dongshahe - Binhuzhen Natural Gas Pipeline • Qinwo - Shanting Natural Gas Pipeline • Qin - Kuang Natural Gas Pipeline (Qinwo - Kuangshantou) • Qinwo - Sangcun Natural Gas Pipeline • Ji - Ning Natural Gas Pipeline Tai'erzhuang Branchline • Qinshui Basin Fanzhuang CBM Field Gathering Pipelines • Qinshui Basin Zhengzhuang CBM Field Gathering Pipelines • Gujiao Xishan CBM Field Gathering Pipelines • Hedong Coalfield Shilouxi Yong-2 Gathering Station - Yong-1 Gathering Station CBM Pipeline • Hedong Coalfield Shilouxi Yong-3 Gathering Station - Yong-1 Gathering Station CBM Pipeline • Shizhuang Gathering Station - Qinshui Basin CBM Central Process Plant Gas Pipeline • Shizhuang Gathering Station - Panhe Compression Station CBM Pipeline • Shizhuangnan 1# Gathering Station - Shizhuangnan Gathering Station CBM Pipeline • Shizhuangnan 2# Gathering Station - Shizhuangnan 1# Gathering Station CBM Pipeline • Shizhuangnan 3# Gathering Station - Shizhuangnan 1# Gathering Station CBM Pipeline • Shizhuangnan 4# Gathering Station - Shizhuangnan 1# Gathering Station CBM Pipeline • Guixian Gathering Station - Fan6 Gathering Station CBM Pipeline • Mabi No.1 Gas Gathering Station - Zhengzhuang No.4 Gas Gathering Station CBM Pipeline • Mabi No.1 Gas Gathering Station - Qinshui Mabi CBM Field Central Processing Plant CBM Pipeline • Mabi No.2 Gas Gathering Station - Qinshui Mabi CBM Field Central Processing Plant CBM Pipeline • Mabi No.3 Gas Gathering Station - Qinshui Mabi CBM Field Central Processing Plant CBM Pipeline • Mabi No.4 Gas Gathering Station - Mabi No.2 Gas Gathering Station CBM Pipeline • Jincheng - Houma CBM Pipeline • Jincheng - Houma CBM Pipeline Duanshi - Qinshui Section • Zuoquan - Qinyuan CBM Pipeline • Tunliu - Xiangyuan Natural Gas Pipeline • Duanshi - Changzi CBM Pipeline • Linfen - Hejin Natural Gas Pipeline (Linfen - Xinjiang - Hejing) • Xinjiang - Houma - Yuncheng Natural Gas Pipeline • Linfen - Huozhou Natural Gas Pipeline • Xiaoyi - Huozhou Natural Gas Pipeline • Dameng - Taiyuan Natural Gas Pipeline • Dongshan Natural Gas Pipeline 2 (Dameng - Yangpan) • Taiyuan - Pingyao Natural Gas Pipeline • Hongdong - Changzi Natural Gas Pipeline • Huaiaren - Yuanning Natural Gas Pipeline • Yangpan - Xiaoyi Natural Gas Pipeline 2 • Pinglu - Sanmenxia Natural Gas Pipeline • Puxian - Hejing Natural Gas Pipeline • Yangquan - Pingding - Xiyang Natural Gas Pipeline • Lin - Lin CBM Pipeline (Linxian - Linfen) • Taiyuan - Lishi CBM Pipeline • Lanxian - Loufan - Gujiao Natural Gas Pipeline • Yangqu - Wanbolin - Jinyuan - Xiaodian Natural Gas Pipeline • Shenchi - Yuanning - Wutai Natural Gas Pipeline • Linxian - Baode CBM Pipeline • Pingyao - Xiaoyi Natural Gas Pipeline • Taiyuan - Heshun - Changzhi CBM Pipeline • Linfen - Changzhi CBM Pipeline • Taiyuan - Changzhi CBM Pipeline and E - An - Cang SNG Pipeline's Connecting Line • Jinshatan - Datong Natural Gas Pipeline • Jinshatan - Datong Natural Gas Pipeline 2 • Lingqiu - Guangning Natural Gas Pipeline • Huaiaren - Zuoyun - Youyu Natural Gas Pipeline • Youyu - Pinglu (Qidun) Natural Gas Pipeline • Shanxi Datong LNG Plant Natural Gas Pipeline • Ying - Zhang Natural Gas Pipeline Datong County Branchline • Datong County - Hunyuan Natural Gas Pipeline • Ying - Zhang Natural Gas Pipeline Tianzhen Branchline • Dafangcheng - Xuanwuyan Natural Gas Pipeline • CNOOC Western Inner Mongolia SNG Pipeline Zuoyun Branchline • Yingxian - Jinshatan Natural Gas Pipeline • Beicang - Shuozhou East Gate Station Natural Gas Pipeline 2 • Shuozhou East Gate Station - Pinglu Natural Gas Pipeline • Pianguan - Shuozhou Natural Gas Pipeline • Beicangshan - Shanyin Natural Gas Pipeline • Shenchi - Shuozhou CBM Pipeline • Jingshuo Yingxian Station - Ying-Zhang Initial Station Natural Gas Pipeline • Weiyuan - Youyu CBM Pipeline • Dameng - Yuanning Natural Gas Pipeline (Dameng - Xinzhou - Yuanning) • Dameng - Yuanning Natural Gas Pipeline 2 • Xinzhou - Dingxiang Natural Gas Pipeline • Yuanning - Daixian - Fanshi Natural Gas Pipeline • Dingxiang - Wutai Natural Gas Pipeline • Shenchi - Wuzhai - Kelan Natural Gas Pipeline • Shenchi - Yangfangkou Natural Gas Pipeline • Shenchi - Hequ Natural Gas Pipeline • Edong Gasfield Baode CBM Block No.3 Gathering Station - No.4 Gathering Station - Baode Initial Station CBM Pipeline • Baode - Sancha CBM Pipeline • Sancha - Jinxibei Sancha Dacun CBM Liquefaction Plant CBM Pipeline • Baode Gas Thermal Power Plant CBM Pipeline • Shaan - Jing Natural Gas Pipeline 3 Jingle Branchline • Yangfangkou - Ningwu Natural Gas Pipeline • Shaan - Jing Natural Gas Pipeline 3 Xinzhou Branchline • Baode - Hequ - Pianguan Natural Gas Pipeline • Edong Gasfield Baode CBM Block No.4 Gathering Station - Baode Initial Station CBM Pipeline • Edong Gasfield Baode CBM Block No.2 Gathering Station - Baode County CBM Pipeline • Shaan - Jing Natural Gas Pipeline Baode CBM Branchline • Taiyuan Highway Rim Natural Gas Pipeline • Qingxu Huayang - Ximuzhuang SNG Pipeline • Dameng - Taiyuan Natural Gas Pipeline Yangqu Branchline • Xugou - Qingxu Natural Gas Pipeline • Kongcun - Dongyu Natural Gas Pipeline • Yangqu - Taiyuan Natural Gas Pipeline • Qing - Tai Coal Gas Pipeline (Qingxu - Taiyuan) • Taiyuan - Lishi CBM Pipeline South Taiyuan Branchline • Gujiao - Taiyuan CBM Pipeline • Dameng - Taiyuan Natural Gas Pipeline Donggou - Dongshan Connecting Line • Lanxian - Taiyuan Natural Gas Pipeline • Qingxu - Jinyuan Natural Gas Pipeline • Yuci - Jinyuan Natural Gas Pipeline • Sanjin - Gujiao CBM Pipeline • Mengxian - Xiaoxiaooping Natural Gas Pipeline • Mengxian - Yangquan Natural Gas Pipeline • Mengxian - Yangquan Natural Gas Pipeline 2 • Pingding - Songjiazhuang Natural Gas Pipeline • Shaan - Jing Natural Gas Pipeline 3 Mengxian Branchline • Baiquan - Jucheng Natural Gas Pipeline • Yangquan No.5 Coal Mine - Pingding CBM Pipeline • Taigu - Hucun - Shangzhuang Natural Gas Pipeline • Qixian - Qixian Economic Development Zone Natural Gas Pipeline • Liangdu - Shanxi Juyi Group Natural Gas Pipeline • Yuci Highway Rim Natural Gas Pipeline • Nanyanzhu - Yangpo - Yangpan CBM Pipeline • Pingshu Coal Mine - Shouyang CBM LNG Plant CBM Pipeline • Kaiyuan Coal Mine - Shouyang CBM LNG Plant CBM Pipeline • Xinyuan Coal Mine - Shouyang CBM LNG Plant CBM Pipeline • Xiyang CBM Thermal Power Plant CBM Pipeline • Taiyuan - Pingyao Natural Gas Pipeline Taiyu Branchline • Pingyao Jiyeuan LNG Plant Natural Gas Pipeline • Beiyao - Yitang Natural Gas Pipeline • Sanjiao - Renyi Natural Gas Pipeline • Shanxi Qixian County LNG Plant Natural Gas Pipeline • Mengxian - Shouyang Natural Gas Pipeline • Wulizhuang - Qidong Natural Gas Pipeline • Sijiazhuang - Xiyang CBM Pipeline • Qixian - Jiaocheng Natural Gas Pipeline • Xiaoyi - Linxian Natural Gas Pipeline • Jiaocheng - Yintong Industry Park Natural Gas Pipeline • Jiaocheng - Jinlan Chemical Plant Natural Gas Pipeline • Lanxian - Puming Natural Gas Pipeline • Qikou - Linxian Natural Gas Pipeline • Linxian - Baiwen Natural Gas Pipeline • Lingshi - Jiaokou Natural Gas Pipeline • Guangming - Baiwen CBM Pipeline • Guangming - Zhaoxian CBM Pipeline • Tuban - Huangbaita CBM Pipeline • Zhaoxian - Zaojin CBM Pipeline • Tuban - Babao CBM Pipeline • Xiaoyi Natural Gas Northern Pipeline • Xiaoyi Natural Gas Western Pipeline • Lin - Lin CBM Pipeline Sanjiao Gasfield Branchline • Lin - Lin CBM Pipeline Jiaokou Branchline (Xixian - Shikou) • Lin - Lin CBM Pipeline Liulin County Branchline • Lin - Lin CBM Pipeline Senze Aluminum Branchline • Shikou - Jiaokou CBM Pipeline • Jiaokou - Huilong CBM Pipeline • Lin - Lin CBM Pipeline Fangshan County Branchline • Qixian - Wenshui - Fenyang Natural Gas Pipeline • Fanjiagou - Liujiashan CBM Pipeline • Shanglouqiao - Lishi Natural Gas Pipeline • Yu - Ji Natural Gas Pipeline Shanxi Guohua Fenyang Connecting Line • Xingxian County Tuanzhuoping - Watang CMB Pipeline • Lin

- Lin CBM Pipeline Shilouxi Yonghe 18 Block Branchline • Linxian Lishan - Leijiaqi CBM Pipeline • Linfen - Houma Natural Gas Pipeline 2 • Huozhou Xialeping - Xizhang Natural Gas Pipeline • Daning - Yonghe Natural Gas Pipeline • Yongning 1 Gathering Station - Gemai Natural Gas Pipeline • West - East Pipeline Puxian Branchline • Lin - Lin CBM Pipeline Xixian Branchline • Guoxin Zhengtai SNG Plant - Guxian SNG Pipeline • Duanchun - Fenxi Natural Gas Pipeline • Jicheng - Shanxi Shanxi Forging Plant CBM Pipeline • Quwo - Gaoxin Industry Park CBM Pipeline • Hongdong - Changzi Natural Gas Pipeline Guxian Branchline • Linfen - Fushan Natural Gas Pipeline • Gucheng - Fencheng Natural Gas Pipeline • Shilouxi Yonghe 18 Block Yong-1 Gathering Station - Gemai CBM Pipeline • Linfen - Changzhi CBM Pipeline Yonggu - Linfen Branchline • Linfen - Changzhi CBM Pipeline Yonggu - Houma Branchline • Jincheng - Changzhi CBM Pipeline • Changzhi - Zhaozhuang - Changping CBM Pipeline • Changzhi Sudian - Changzhi Yuanjiazhuang CBM Pipeline • Taiyuan - Heshun - Changzhi CBM Pipeline Licheng Branchline • Taiyuan - Heshun - Changzhi CBM Pipeline Changzi Branchline • Lucheng - Pingshun CBM Pipeline • Tunliu - Qinyuan CBM Pipeline • Licheng - Dongyanguan CBM Pipeline • Anze - Qinyuan Natural Gas Pipeline • Qinyuan - Qinxian Natural Gas Pipeline • Wangjiazhuang - Qiaotou Natural Gas Pipeline • Yuze - Wangzhuang Coal Mine Natural Gas Pipeline • Yuze - Changzhuang Coal Mine Natural Gas Pipeline • Tunliu Gate Station - Guozhuang Natural Gas Pipeline • Changzhi - Huguang CBM Pipeline • Quwo - Jiangxian - Yuanqu CBM Pipeline • Xinjiang - Houma - Yuncheng Natural Gas Pipeline Xiayan Branchline • Hejin - Yuncheng Natural Gas Pipeline • Yuncheng - Linyi Natural Gas Pipeline • Linyi - Yongji Natural Gas Pipeline • Yongji - Fenglingdu Natural Gas Pipeline • Qingtu - Haizhou Industry Park Natural Gas Pipeline • Yuncheng - Pinglu Natural Gas Pipeline • Pinglu - Wusheng Aluminium Natural Gas Pipeline • Xianning - Hejin - Linyi CBM Pipeline • Jishan - Wanrong Natural Gas Pipeline • Fenglingdu - Ruicheng Natural Gas Pipeline • Lizhuang - Jincheng CBM Pipeline • Chengzhuang - Chengzhuang CBM Power Plant CBM Pipeline • Hudi - Gaozhuang CBM Pipeline • Zhengzhuang - Qinshui CBM Pipeline • Zhengzhuang - Duanshi CBM Pipeline • Hudi - Duanshi CBM Pipeline • Duanshi - Lizhuang CBM Pipeline • Xucun - Lizhuang CBM Pipeline • Qinshui Basin CBM Export Pipeline • West East Gas Pipeline 1 Qinshui Mabi CBM Field Branchline (Mabi Central Processing Plant - Qinshui Compression Station) • Beiliu - Yangcheng Natural Gas Pipeline • Guoxin Qinshui Station - Qinshui Qinyuan Gate Station CBM Pipeline • Nanda - Guojialing CBM Pipeline • Songshuling - Dingdian CBM Pipeline • Dingdian - Anyang Industry Park CBM Pipeline • Jiafeng - Jincheng CBM Pipeline • Panzhuang - Red Sun Ceramics CBM Pipeline • Wen23 Gasfield - Liutun Natural Gas Pipeline • Wen23 Gasfield - Liutun Natural Gas Pipeline 2 • Hubuzhai Gasfield - Liutun Natural Gas Pipeline • Pu67 Gasfield Gasfield - Liutun Natural Gas Pipeline • Dongming - Wennan Oilfield Natural Gas Pipeline • Weicheng Oilfield - Liutun Natural Gas Pipeline • Wennan Oilfield - Wenliu Natural Gas Pipeline • Wendong Oilfield - Wenliu Natural Gas Pipeline • Anpeng Gasfield - Jianghe Oilfield Natural Gas Pipeline • Anpeng - Helou - Zhaowa Natural Gas Pipeline • Helou - Chaizhuang - Wanji Natural Gas Pipeline • Jianghe Oilfield - Weigang Oilfield Natural Gas Pipeline • Zhong - Kai Natural Gas Pipeline (Zhongyuan Oilfield - Kaifeng) • Zhong - Kai Natural Gas Pipeline 2 (Zhongyuan Oilfield - Kaifeng) • West East Gas Pipeline Northern Henan Branch Line (Bo'ai - Anyang) • West East Gas Pipeline Southern Henan Branchline (Zhengzhou - Xinyang) • Bo'ai - Zhengzhou - Xuedian Natural Gas Connecting Line • West East Gas Pipeline Eastern Henan Branchline (Huaiyang - Huangchun) • Duanshi - Jincheng - Bo'ai CBM Pipeline • Yima - Zhengzhou Natural Gas Pipeline • Anyang - Luoyang Natural Gas Pipeline • West East Pipeline 2 Kaifeng - Shangqiu Branchline • Kaifeng Zhuxian - Weishi Weichuan - Xuchang Yanling Natural Gas Pipeline • Zhongyuan Oilfield - Kaifeng - Xuedian Natural Gas Pipeline • Tanghe - Pingdingshan - Yichuan Natural Gas Pipeline • Zhoukou - Luohe Natural Gas Pipeline • Wen23 Gasfield - Zhongyuan Fertilizer Plant Natural Gas Pipeline • Yulin - Jinan Natural Gas Pipeline Qingfeng Branchline • Yulin - Jinan Natural Gas Pipeline Nanle Branchline • Yulin - Jinan Natural Gas Pipeline Liutun Branchline • Yulin - Jinan Natural Gas Pipeline Wen96 Underground Storage Branchline • Nanle - Sizhuang Natural Gas Pipeline • Puyang - Fanxian - Taiqian Natural Gas Pipeline • Puyang - Liutun Natural Gas Pipeline • Qingfeng - Xujiazhuang Natural Gas Pipeline • Puyang - Qingfeng Natural Gas Pipeline • Pucheng - Fanxian New District Natural Gas Pipeline • Nanle - Qingfeng Natural Gas Pipeline • Zhong - An Natural Gas Pipeline (Zhongyuan Oilfield - Anyang) • Anyang - Handan Natural Gas Pipeline (Anyang Section) • Anyang - Shuiye Natural Gas Pipeline • Anyang - Tangyin Natural Gas Pipeline • Tangyin - Huaxian Natural Gas Pipeline • Tangyin - Yigou Natural Gas Pipeline • Anyang - Linzhou Natural Gas Pipeline • Yu - Ji Natural Gas Pipeline Linzhou Branchline (Rencun - Linzhou) • Linzhou - Linqi Natural Gas Pipeline • Henan Ancai Energy Yu-Ji Natural Gas Pipeline's Connecting Line • Tangyin - Hebi Natural Gas Pipeline • Xinxiang - Xiaoyi Natural Gas Pipeline • Xinxiang - Huixian Natural Gas Pipeline • West East Pipeline Xin - Chang Branchline (Weiwei - Changyuan) • Shipogu - Yanjing Natural Gas Pipeline • Changcun - Fengqiu Natural Gas Pipeline • Yanjin - Yuanyang Natural Gas Pipeline • Huojia - Pingyuan Natural Gas Pipeline • Zheng - Bian Natural Gas Pipeline (Zhongmou - Zhengzhou) • Jiaozuo - Zhengzhou Natural Gas Pipeline • Zhengzhou City Rim Natural Gas Pipeline • West East Pipeline 2 Zhengzhou Branchline • Xuedian - Zhengzhou Airport Zone Natural Gas Pipeline • Bo - Zheng Natural Gas Pipeline Zhengzhou Western 4th Highway Rim Branchline • Zhengzhou - Changcheng Aluminium Plant Natural Gas Pipeline • West East Pipeline 2 Xuedian - Xinmi - Dengfeng Branchline • West East Pipeline 2 Zhengzhou Daguanzhuang - Zhongmou Branchline • Zhongmou Lvru CNG Mother Station Natural Gas Pipeline • West-East Pipeline 2 Luo-Yan Branchline (Yichuan - Yanshi) • Xiaozhuang - Litun Natural Gas Pipeline • Xuzhou - Wangchaoling Natural Gas Pipeline • Wangchaoling - Litun Natural Gas Pipeline • Xiaozhuang - Yichuan - Ruyang Natural Gas Pipeline • Luoyang - Xin'an Natural Gas Pipeline • Yichuan Minggao - Songxian - Luanchuan Natural Gas Pipeline • Luoyang Natural Gas Pipeline Rim Western Section (Litun - Nanyao) • Anyang - Luoyang Natural Gas Pipeline Jili Branchline • Yichuan - Mengjin Natural Gas Pipeline • Dongsong - Luoning Natural Gas Pipeline • Bo'ai - Luoyang CBM Pipeline • Luo - Yi Natural Gas Pipeline (Yichuan Xiaozhuang - Yiyang) • Bo'ai - Jiaozuo Natural Gas Pipeline • Xiaoshang - Macun Natural Gas Pipeline • Bo'ai - Qinyang Natural Gas Pipeline • Sanyang - Wuzhi Natural Gas Pipeline • Qinyang - Mengzhou Natural Gas Pipeline • West East Gas Pipeline Northern Henan Branchline's 2nd Valve Station - Wenxian County Industry Park Natural Gas Pipeline • Bo'ai - Jiyuan Natural Gas Pipeline • Bo'ai - Jiyuan Natural Gas Pipeline Zhongyuan Special Steel Branchline • Mengzhou - Jiyuan Natural Gas Pipeline • Motou - Bo'an Natural Gas Pipeline • Bo'ai - Zhongzhou Aluminium Plant CBM Pipeline • Qinyang - Jiyuan CBM Pipeline • Yima - Mianchi Coal Gas Pipeline • West-East Pipeline 2 Sanmenxia Branchline • West-East Pipeline 2 Lingbao Branchline • Lingbao Dawang - Shaanxian Guanyintang Natural Gas Pipeline • Shaanxian Guanyintang - Mianchi Natural Gas Pipeline • West East Gas Pipeline Southern Henan Pipeline Change Branchline • Yuzhou - Xuchang Natural Gas Pipeline • Change - Yuzhou Natural Gas Pipeline • Yuzhou - Shenhou Natural Gas Pipeline • Yuanmu - Changzhuang Natural Gas Pipeline • Linying - Pingdingshan - Wugang Natural Gas Pipeline • Yexian - Baofeng Natural Gas Pipeline • Baofeng - Jiaxian Natural Gas Pipeline • Baofeng - Lushan Natural Gas Pipeline • Beidaying - Huihe Natural Gas

Pipeline • Huihe - Pingdingshan Natural Gas Pipeline • Baofeng - Ruzhou Natural Gas Pipeline • Baofeng - Shilong Natural Gas Pipeline • West-East Pipeline 2 Ping-WuLuo Branchline Changcun - Beidaying Section • West-East Pipeline 2 Ping-Wu-Luo Branchline Beidaying - Pingdingshan Section • West-East Pipeline 2 Ping-Wu-Luo Branchline Beidaying - Wugang Section • West-East Pipeline 2 Ping-Wu-Luo Branchline Beidaying - Luohe Section • Lushan - Ruzhou Natural Gas Pipeline • West East Pipeline 2 Baofeng Industry Zone Branchline • West East Pipeline 2 Pingdingshan Underground Storage Branchline • Luohe Gate Station - Luohe Private Economy Industrial Park Natural Gas Pipeline • Suiping - Shangcai Natural Gas Pipeline • Zhumadian - Runan Natural Gas Pipeline • Runan - Zhengyang Natural Gas Pipeline • Runan - Pingyu Natural Gas Pipeline • Pingyu - Xincal Natural Gas Pipeline • West East Gas Pipeline 2 Nanyang - Zhumadian Branchline • Huangchun - Xinyang Natural Gas Pipeline • Huangchun - Gushi Natural Gas Pipeline • Guangshan - Xixian Natural Gas Pipeline • Huzu - Huaibin Natural Gas Pipeline • Huzu - Shangcheng Natural Gas Pipeline • West East Gas Pipeline 2 Nanyang - Xinyang Branchline • Zhumadian - Xinyang Natural Gas Pipeline • West-East Pipeline 2 Tanghe - Nanyang - Zhenping Natural Gas Pipeline • Damaozhuang - Guanzhuang Natural Gas Pipeline • West-East Pipeline 2 Tanghe - Nanzhao Natural Gas Pipeline • West-East Pipeline 2 Tanghe - Xichuan Natural Gas Pipeline • West-East Pipeline 3 Dengzhou Branchline • West-East Pipeline 3 Xinye Branchline • West East Pipeline 2 Kaifeng Branchline • South Kaifeng - Tongxu Natural Gas Pipeline • Hengzhai - Andunsi Natural Gas Pipeline • Kaifeng - Kaifeng County Natural Gas Pipeline • Yifeng - Lankao Natural Gas Pipeline • Liji - Zhoukou Natural Gas Pipeline • Liji - Huaiyang Natural Gas Pipeline • Zhoukou - Xihua Natural Gas Pipeline • Huaiyang - Dancheng - Luyi Natural Gas Pipeline • Liji - Xiangcheng Natural Gas Pipeline • Xiangcheng - Shenqiu Natural Gas Pipeline • Xihua - Zhoukou Yellow River Flood Area Farm - Fugou Natural Gas Pipeline • Huaiyang - Xiangcheng Gas Power Plant Natural Gas Pipeline • Huaiyang - Jiaying Natural Gas Pipeline • Zhoukou - Taikang Natural Gas Pipeline • Shangqiu - Yongcheng Natural Gas Pipeline • Shangqiu - Yongcheng Natural Gas Pipeline • Luoyang Da'an - Ruzhou Natural Gas Pipeline • Lushan - Ruzhou Natural Gas Pipeline • Jiannan Gasfield South Block - North Block Natural Gas Pipeline • Jiannan Gasfield South Block - North Block Natural Gas Pipeline 2 • Jiannan Gasfield North Block - Jiannan Natural Gas Pipeline • Zhong-Wu Natural Gas Pipeline Jingzhou - Xiangfan Branchline • Zhong-Wu Natural Gas Pipeline Wuhan - Huangshi Branchline • West East Gas Pipeline 2 Zaoyang - Shiyan Branchline • West East Gas Pipeline 2 Yunying Underground Gas Storage Branchline • West East Gas Pipeline 2 and Sichuan - East China Gas Pipeline's Jiangjiawan Connecting Line • Huanggang - Daye Natural Gas Pipeline • Wuhan - Chibi Natural Gas Pipeline • Xiao - Qian Natural Gas Pipeline (Xiaochang - Qianjiang) • Xiaochang - Dawu (Guangshui) Natural Gas Pipeline • Huangpi - Macheng Natural Gas Pipeline • Wu - Yi Natural Gas Pipeline (Wuhan - Yichang) • Wuhan Outer Rim Highway Natural Gas Pipeline • Sanjintan - Huangpi Natural Gas Pipeline • Luohansi - Ping'anpu Natural Gas Pipeline • Anshan - Wulijie Natural Gas Pipeline • Junshan - Hannan Natural Gas Pipeline • Junshan - Hannan Natural Gas Pipeline and Sichuan-to-East China Pipeline's Laozihu Connecting Line • Sichuan-to-East China Pipeline Sinopec Wuhan Refinery Branchline • Hubei Energy Donghu Gas Thermal Power Plant Natural Gas Pipeline • Wuhan - Xiaogan Natural Gas Pipeline • Wuhan - Xiaogan Natural Gas Pipeline Yingcheng Branchline • Wuhan - Xiaogan Natural Gas Pipeline Makou Branchline • Yunmeng - Anlu Natural Gas Pipeline • Doushan - Xiaochang Natural Gas Pipeline • Wuhan - Xianning Natural Gas Pipeline • Chibi - Tongcheng Natural Gas Pipeline • Xianning - Tongshan Natural Gas Pipeline • Xiantao - Tianmen Industry Park Natural Gas Pipeline • Xiao - Qian Natural Gas Pipeline Tianmen Branchline • Jingzhou - Gong'an - Shishou Natural Gas Pipeline • Jingzhou - Gong'an - Shishou Natural Gas Pipeline Jiangling Branchline • Gong'an - Songzi Natural Gas Pipeline • Xiantao - Honghu Natural Gas Pipeline • Zhong-Wu Natural Gas Pipeline Jianli Branchline • Yidu - Songzi Natural Gas Pipeline • Junshan - Hannan Natural Gas Pipeline Honghu Xintan New District Branchline • Honghuatao - Yichang Natural Gas Pipeline • Zhijiang - Dangyang Natural Gas Pipeline • Honghuatao - Yidu Natural Gas Pipeline • Zhong-Wu Natural Gas Pipeline Changyang Branchline • Changyang Gate Station - Danshi New District Natural Gas Pipeline • Longzhouping - Moshi Natural Gas Pipeline • Sichuan-to-East China Pipeline Hubei Fertilizer Plant Branchline • Honghuatao - Yuyanguan Natural Gas Pipeline • Zhijiang - Baiyang Natural Gas Pipeline • Jiannan - Lichuan Natural Gas Pipeline • Jiannan - Lichuan Natural Gas Pipeline 2 • Lichuan - Enshi Natural Gas Pipeline • Lichuan - Enshi Natural Gas Pipeline 2 • Lichuan - Xianfeng Natural Gas Pipeline • Xianfeng - Laifeng Natural Gas Pipeline • Laifeng - Xuan'en Natural Gas Pipeline • Laifeng - Xuan'en - Xianfeng Natural Gas Pipeline • Yesanguan - Badong Natural Gas Pipeline • Baiyangping - Enshi Natural Gas Pipeline • Baiyangping - Jianshi Natural Gas Pipeline • Enshi - Laifeng Natural Gas Pipeline • Lichuan Liangwu - Zhonglu Natural Gas Pipeline • West East Gas Pipeline 2 Shiyan Branchline and Zhong-Wu Pipeline's Connecting Line • Xiangcheng - Fancheng Natural Gas Pipeline • Xiangyang Jiangbei Gate Station - Shenzhen Industrial Park Natural Gas Pipeline • Huangjiawan - Yujiahu Natural Gas Pipeline • Xiangyang North Highway Rim Natural Gas Pipeline • Yicheng - Leihe Natural Gas Pipeline • Xianrendu - Gucheng Natural Gas Pipeline • Xiangyang Yiji - Nanzhang Natural Gas Pipeline • Xiangyang - Laohou Natural Gas Pipeline • West East Gas Pipeline 2 Suizhou Branchline • Suizhou - Suixian Natural Gas Pipeline • Yangzhai - Guangshui Natural Gas Pipeline • Jingmen - Shayang Natural Gas Pipeline • Jingmeng - Zhongxiang Natural Gas Pipeline • Zhongxiang - Jingshan Natural Gas Pipeline • Luochang - Hougang Natural Gas Pipeline • Xianrendu - Danjiangkou Natural Gas Pipeline • Shiyan - Yunxian - Yunxi Natural Gas Pipeline • Liuliping - Fangxian - Zhuxi Natural Gas Pipeline • Dushan - Gedian Natural Gas Pipeline • Dushan - Sanjianggong Natural Gas Pipeline • West East Gas Pipeline 2 and Sichuan-to-East China Natural Gas Pipeline's Huanggang Connecting Line • Ezhou - Huanggang Natural Gas Pipeline • Huangzhou - Huangmei Natural Gas Pipeline • Huangzhou - Huangmei Natural Gas Pipeline Wuxue Branchline • Xishui - Luotian - Yingshan Natural Gas Pipeline • Huangzhou - Tuanfeng - Xinzhou Natural Gas Pipeline • Sichuan-to-East China Natural Gas Pipeline Huangmei Branchline • Yongjiahe - Hong'an Natural Gas Pipeline • Xinghua - Mi'er Natural Gas Pipeline • Huangmei Industrial Zone - Wuzu Natural Gas Pipeline • Huanggang - Huanggang Chemical Industry Park Natural Gas Pipeline • Huangshi - Huangshigang - Xishaishan Natural Gas Pipeline • Huangshi - Xialu - Daye Natural Gas Pipeline • Xialu - Tieshan - Huandiqiao Natural Gas Pipeline • • Huangshi Gate Station - Huangjinshan Natural Gas Pipeline • Chengqi - Daye Natural Gas Pipeline • Xiaojipu - Yangxin Natural Gas Pipeline • Jinshandian - Huangshi Sunny Xingye Strip Company Natural Gas Pipeline • Sichuan-to-East China Pipeline Jiangnan Underground Storage Branchline • Xiantao - Maozui Natural Gas Pipeline • Xiantao - Pengchang Natural Gas Pipeline • Changsha - Changde Natural Gas Pipeline • Xiangtan - Loudi - Shaoyang Natural Gas Pipeline • Shaoyang - Yongzhou Natural Gas Pipeline • Changsha - Yiyang Natural Gas Pipeline • Xiangtan - Hengyang Natural Gas Pipeline • Changsha - Xiangtan Natural Gas Pipeline • Changsha - Xiangtan West Natural Gas Pipeline • West East Gas Pipeline 3 Zhuzhou - Chenzhou Branchline • Nanxian - Anxiang Natural Gas Pipeline • Huarong - Nanxian Natural Gas Pipeline • Yueyang - Nanxian Natural Gas

Pipeline • Shimeng - Zhangjiajie Natural Gas Pipeline • Great Xiangxi Natural Gas Pipeline Longshan - Huahuan Branchline • Huahuan - Huaihua Natural Gas Pipeline • Huahuan - Zhangjiajie Natural Gas Pipeline • Yueyang Downtown Natural Gas Pipeline • Yueyang - Yueyang County Natural Gas Pipeline • Yueyang - Yunxi Natural Gas Pipeline • Yunxi - Changling Refinery Natural Gas Pipeline • Zhong - Wu Natural Gas Pipeline Yueyang County Branchline • Zhong - Wu Natural Gas Pipeline Miluo Branchline • Yueyang - Baling - Changling - Linxiang Natural Gas Pipeline • Yueyang - Baling - Changling - Linxiang Natural Gas Pipeline Baling Petrochemical Complex Branchline • Yueyang - Baling - Changling - Linxiang Natural Gas Pipeline Changling Petrochemical Complex Branchline • Miluo - Pingjiang Natural Gas Pipeline • Miluo - Xiangyin - Quyuann Natural Gas Pipeline • Changsha High Pressure Natural Gas Pipeline • Changsha - Liuyang Manufacturing Industry Base Natural Gas Pipeline • Changsha - Changde Natural Gas Pipeline Ningxiang Branchline • Changsha - Ningxiang Natural Gas Pipeline • Changsha - Changde Natural Gas Pipeline Wangcheng Branchline • Yong'an - Liuyang Pharmaceutical Industrial Park Natural Gas Pipeline • Liuyang Dayao Natural Gas Storage Station's Associated Pipelines • West East Gas Pipeline 3 Changsha Branchline (Ansha - Wangcheng) • Changsha - Liuyang Natural Gas Pipeline • Xiangtan Natural Gas Pipeline • Xiangtan County Natural Gas Pipeline • Shaoshan Natural Gas Pipeline • Xiangtan - Loudi - Shaoyang Natural Gas Pipeline Xiangxiang Branchline • Hunan Huadian Xiangtan Jiuhua Distributed Energy Station Natural Gas Pipeline • Zhuzhou Natural Gas Pipeline • Zhuzhou - Zhuzhou County Natural Gas Pipeline • Xiangtan - Liling Natural Gas Pipeline • Xinyang - Junchu Natural Gas Pipeline • Lianyuan - Xinhua Natural Gas Pipeline • Loudi - Shuangfeng Natural Gas Pipeline • Hengshan - Hengdong Natural Gas Pipeline • Hengshan - Shiwan Natural Gas Pipeline • Hengyang - Shuikoushan - Changning Natural Gas Pipeline • Xiangtan - Hengyang Natural Gas Pipeline Nanyue Branchline • Xiangtan - Hengyang Natural Gas Pipeline Jiebei Branchline • Hengyang - Hengyang County Natural Gas Pipeline • Shaoyang City - Shaoyang County Natural Gas Pipeline • Shaoyang City - Shaodong County Natural Gas Pipeline • Shaoyang - Dongkou - Xinning Natural Gas Pipeline • Wugang - Chengbu Natural Gas Pipeline • Wugang - Suining Natural Gas Pipeline • Heitanpu - Niulasi - Lianqiao Natural Gas Pipeline • Xinshao County's Quetang Industry Park Natural Gas Pipeline (Shaoyang - Quetang) • Yiyang - Taojiang Natural Gas Pipeline • Yiyang - Anhua Natural Gas Pipeline • Changde Inter-County Natural Gas Pipeline • Changde Inter-County Natural Gas Pipeline Taoyuan Branchline • Changde Inter-County Natural Gas Pipeline Shimen Branchline • Changde Inter-County Natural Gas Pipeline Lixian Branchline • Laifeng - Longshan Natural Gas Pipeline • Chenzhou - Zixing Natural Gas Pipeline • Chenzhou - Guiyang Natural Gas Pipeline • Hengyang - Anren Natural Gas Pipeline • Anren - Yanling Natural Gas Pipeline • Yongxing SNG Pipeline • Yongzhou - Daoxian Natural Gas Pipeline • Huanglongchang Gasfield - Wenquanjiang Gasfield Natural Gas Pipeline • Huanglongchang Gasfield - Jinshan Natural Gas Pipeline • Huanglongchang Gasfield - Jinshan Natural Gas Pipeline 2 • Tie - Shi Feed Gas Pipeline (Tieshan Gasfield - Shihe) • Tie - Zhu Feed Gas Pipeline (Tieshan Gasfield - Dazhu) • Long - Tie Feed Gas Pipeline (Longhui Gasfield - Tieshan Gasfield) • Bei - Tie Feed Gas Pipeline (Tieshanbei Gasfield - Tieshan Gasfield) • Shi - Tie Natural Gas Pipeline (Shihe - Tieshan Gasfield) • Puxi Gasfield Feed Gas Gathering Pipeline • Shihe - Puxi Gasfield Natural Gas Pipeline • Wu - Ma Feed Gas Pipeline (Wulingshan Gasfield - Majia) • Gunziping Gasfield - Luojiazhai Gasfield - Nanba Feed Gas Pipeline • Dukouhe Gasfield Feed Gas Pipeline • Tieshanpo Processed Gas Pipeline • Da - Wo Feed Gas Pipeline (Daxian - Wolonghe) • Wan - Wo Feed Gas Pipeline (Wanshunchang - Wolonghe) • Jiang - Du Feed Gas Pipeline (Jiangzhi - Duzhou) • Jin - Da Feed Gas Pipeline (Jinshan - Yangliuya) • Long - Zhong Feed Gas Pipeline (Longmen - Zhongxian) • Sha - Da Feed Gas Pipeline (Shaguanping Gasfield - Yangliuya) • Shaguanping Gasfield - Jinshan Feed Gas Pipeline • Jinshan - Jiangzhi Feed Gas Pipeline • Jinshan - Jiangzhi Feed Gas Pipeline 2 • Wubaiti Gasfield Gathering Pipeline • Nanya - Jiangzhi Feed Gas Pipeline • Wukanshan Gasfield - Jiangzhi Natural Gas Pipeline • Gaofengchang - Ruxi Feedgas Pipeline • Yun - Wan Natural Gas Pipeline (YA6 - YA11) • Yun'ananchang Gasfield - Wanzhou Feed Gas Pipeline • Zhaigouwan Gasfield - Fuxingchang Gasfield Feed Gas Pipeline • Fu - Zhong Feed Gas Pipeline (Fuxingchang Gasfield - Zhongxian) • Wanshunchang Gasfield Feed Gas Pipeline • Shibaozhai Gasfield - Wanshunchang Gasfield Feed Gas Pipeline • Mainan Gasfield - Longtou Gasfield Feed Gas Pipeline • Mainan Gasfield - Longtou Gasfield Feed Gas Pipeline 2 • Longtou Gasfield - Diaozhongba Gasfield Feed Gas Pipeline • Yun - Zhu Feed Gas Pipeline (Yunhezhai Gasfield - Dazhu) • Shi - Zhu Feed Gas Pipeline (Shihe - Dazhu) • Shuang - Zhu Feed Gas Pipeline (Shuangjiaba Gasfield - Dazhu) • Zhu - Qu Feed Gas Pipeline (Dazhu - Quxian) • Meng - Long Feed Gas Pipeline (Nanmengchang Gasfield - Longmen) • Mingyuebei Gasfield Gas Gathering Pipeline • Xihekou Gasfield Gas Gathering Pipeline • Fu - Zhang Natural Gas Pipeline (Fuchengzhai Gasfield - Zhangjiachang Gasfield) • Fu - Zhang Feed Gas Pipeline (Zhangjiachang Gasfield - Fuchengzhai Gasfield) • Ban - Zhang Natural Gas Pipeline (Bandong Gasfield - Zhangjiachang) • Zhang - Wo Feed Gas Pipeline (Zhangjiachang Gasfield - Wolonghe) • Zhangjiachang Gasfield - Chang'an Natural Gas Pipeline • Wolonghe Gasfield North Block - Wolonghe Feed Gas Pipeline • Wolonghe Gasfield South Block - Wolonghe Feed Gas Pipeline • Shuanglong Gasfield - Wolonghe Feed Gas Pipeline • Shuanglong Gasfield - Wolonghe Feed Gas Pipeline 2 • Huangcaoxia Gasfield - Duzhou Feedgas Pipeline • Dongxi Gasfield Feed Gas Pipeline • Danfengchang Gasfield Natural Gas Pipeline • Tiechanggou Gasfield - Tongfuchang Gasfield Feed Gas Pipeline • Tongfuchang Gasfield Natural Gas Pipeline • Huaguoshan Gasfield Gas Gathering Pipeline • Yong'ananchang Gasfield - Lai1 Gasfield Natural Gas Pipeline • Lai1 Gasfield - Dongshan Gasfield Natural Gas Pipeline • Dongshan Gasfield - Dongshan Gasfield Natural Gas Pipeline • Yong'ananchang Gasfield - Huangguashan Gasfield Natural Gas Pipeline • Huangguashan Gasfield - Dongshan Gasfield Natural Gas Pipeline • Liangdongmiao Gasfield Natural Gas Pipeline • Tanghe Gasfield - Liziba Gasfield Natural Gas Pipeline • Zhu - Rong Natural Gas Pipeline (Zhutuo Gasfield - Rongshan) • Zhutuo Gasfield - Yong'ananchang Gasfield Natural Gas Pipeline • Lujiaochang Gasfield Gas Gathering Pipeline • Liziba Gasfield Gas Gathering Pipeline • Hejiang Gasfield Gas Gathering Pipeline • He - Rong Natural Gas Pipeline (Hejiang Gasfield - Rongshan Gasfield) • Miaogaosi Gasfield Gas Gathering Pipeline • Erlichang Gasfield Gas Gathering Pipeline • Da - Na Natural Gas Pipeline (Dazhouyi - Naxi) • Bai - Na Natural Gas Pipeline (Baijietan Gasfield - Naxi) • Da - Wu Natural Gas Pipeline (Wutongchang Gasfield - Daguchang Gasfield) • Daguchang Gasfield - Dazhouyi Natural Gas Pipeline • Zhongxingchang Gasfield Gas Gathering Pipeline • Fenshui Gasfield - Mituo Natural Gas Pipeline • Fu - Da Natural Gas Pipeline (Fujiamiao Gasfield - Dazhouyi) • Lao - Fu Natural Gas Pipeline (Laowengchang Gasfield - Fujiamiao Gasfield) • Laowengchang Gasfield Gathering Pipeline • Changning Gasfield - Fujiamiao Gasfield Natural Gas Pipeline • Tongzi Gasfield No.7 Well Station - Erlongkou Natural Gas Pipeline • Songjiachang Gasfield Gas Gathering Pipeline • Moujiaping Gasfield Gas Gathering Pipeline • Jiu - Yang Natural Gas Pipeline (Jiulongping Gasfield - Yanggaosi Gasfield) • Jiulongping Gasfield - Hanpo Natural Gas Pipeline • Yang - Gu Natural Gas Pipeline (Yanggaosi Gasfield - Gufoshan Gasfield) • Yun6 - Dong4 - Yang42 Natural Gas

Pipeline • Yang72 - Yang42 Natural Gas Pipeline • Yang50 - Yang42 Natural Gas Pipeline • Yang42 Well Station - Yang7 Well Station Natural Gas Pipeline • Tanziba Gasfield - Zhutuo Gasfield Natural Gas Pipeline • Tai - Yang Natural Gas Pipeline (Tai'an - Yang42 Well Station) • Lizhitan Gasfield Gathering Pipeline • Nanjing Gasfield Gathering Pipeline • Songjiachang Gasfield No.5 Well Station - Liubin Natural Gas Pipeline • Guangfuping Gasfield Gathering Pipeline • Kuang3 Gasfield - Nanjing Gasfield Natural Gas Pipeline • Na43 - Kuang3 Gasfield Natural Gas Pipeline • Yin - Xing Natural Gas Pipeline (Guanyin Gasfield - Xinglongchang Gasfield) • Kong - Xing Natural Gas Pipeline (Kongtan Gasfield - Xinglongchang Gasfield) • Zhang - Yang Natural Gas Pipeline (Zhanggongqiao - Yangjiashan Gasfield) • Mabachang Gasfield Gas Gathering Pipeline • Mabachang Gasfield - Jinshan Natural Gas Pipeline • Moxi Gasfield - Wusheng Natural Gas Pipeline • Jinxiu Gasfield Gas Gathering Pipeline • Tongnan Gasfield - Huaqiao Natural Gas Pipeline • Guang'an Gasfield - Guang'an Valve Station Natural Gas Pipeline • Tongnan Gasfield Natural Gas Pipeline • Hechuan Gasfield Natural Gas Pipeline • Hechuan Gasfield Natural Gas Export Pipeline • Hechuan Gasfield West Natural Gas Pipeline • Longnvti Gasfield Gas Gathering Pipeline • Gongshanmiao Oilfield Gas Gathering Pipeline • Longgang Gasfield Gas Gathering Pipeline • Lianhuashan Gasfield Natural Gas Pipeline • Pingluo - Daxingxi Gasfield Natural Gas Pipeline • Da - Dan Natural Gas Pipeline (Daxingxi Gasfield - Danling) • Jiulongshan Gasfield - Yongding Natural Gas Pipeline • Laoguanmiao Gasfield - Zitong Natural Gas Pipeline • Wenxingchang Gasfield - Zitong Natural Gas Pipeline • Zhebachang Gasfield - Wenxingchang Gasfield Natural Gas Pipeline • Guanyinsi Gasfield - Qinglong Natural Gas Pipeline • Zitong Block Natural Gas Gathering Pipelines • Zhaotong Shale Gas Block Huangjinba Shale Gas Gathering Pipelines • He - Ba Natural Gas Pipeline (Heba Gasfield - Bazhong) • Malubei Gasfield - Fuyang Natural Gas Pipeline • Majing Gasfield Gas Gathering Pipeline • Shilongchang Gasfield - Shuanglong Natural Gas Pipeline • Puguang Gasfield Natural Gas Gathering Pipeline • Puguang Gasfield - Maoba - Hujia Natural Gas Pipeline • Laojun Gasfield - Puguang Gasfield Natural Gas Pipeline • Qingxi Gasfield - Yanxiwo Natural Gas Pipeline • Fush1 - Qingqiao Shale Gas Pipeline • Fuling Jiaoshi Shale Gas Gathering Pipeline • Wo - Liang Natural Gas Pipeline (Wolonghe - Lianglu) • Shi - Du Natural Gas Pipeline (Shiqiao - Duzhou) • Du - Liang Natural Gas Pipeline (Duzhou - Lianglu) • Du - Liang Natural Gas Pipeline 2 (Duzhou - Lianglu) • Liang - Fo Natural Gas Pipeline (Lianglu - Foyin) • Liang - Fo Natural Gas Pipeline 2 (Lianglu - Foyin) • Fo - Na Natural Gas Pipeline (Foyin - Naxi) • Fo - Na Natural Gas Pipeline 2 (Foyin - Naxi) • Baisha - Foyin Natural Gas Pipeline 2 • Duzhou - Jiatan Natural Gas Pipeline • Jiangjin - Naxi Natural Gas Pipeline • Fu - Na Natural Gas Pipeline (Fujiamiao - Naxi) • Lu - Wei Natural Gas Pipeline (Luzhou - Weiyuan) • Wei - Cheng Natural Gas Pipeline (Weiyuan - Chengdu) • Wei - Qing Natural Gas Pipeline (Weiyuan - Qingbaijiang) • Second Line of Sichuan and Chongqing Gas Pipeline Southern Truckline Western Part (Naxi - Chengxiang) • Gaoshiti - Moxi Natural Gas Export Pipeline (Moxi - Wangyang) • Fu - An Natural Gas Pipeline (Fujiamiao - Anbian) • Na - An Natural Gas Pipeline (Naxi - Anbian) • Mei - Jia - Le Natural Gas Pipeline (Meishan - Jiajiang - Leshan) • Dan - Jia - Er Natural Gas Pipeline (Danling - Jiajiang - Ermeishan) • Sichuan and Chongqing Gas Pipeline Northern Ring Truckline (Quxian - Qingbaijiang) • Sichuan and Chongqing Gas Pipeline Northern Inner Ring Truckline (Quxian - Yucheng) • Sichuan and Chongqing Gas Pipeline Northern Inner Ring Truckline Yucheng - Jiancha Branchline • Sichuan and Chongqing Gas Pipeline Northern Outer Ring Truckline (Dukouhe - Lianshan) • Zhong - Qing D720 Natural Gas Pipeline (Zhongbei - Deyang) • Zhong - Qing D508 Natural Gas Pipeline (Zhongbei - Deyang) • Cheng - De Natural Gas Pipeline (Chengxiang - Deyang) • Lianshan - Wenjiang Natural Gas Pipeline • Nan - Wan - Zhong Natural Gas Pipeline (Nanba - Wanzhou - Zhongxian) • Ping - Qu Natural Gas Pipeline (Pingjing - Quxian) • Ping - Zhong Natural Gas Pipeline (Pingjing - Zhongxian) • Ping - Shi Natural Gas Pipeline (Pingjing - Shiqiao) • Xiao - Shi Natural Gas Pipeline (Xiaoxi - Shiqiao) • Long - Xiao Natural Gas Pipeline (Longgang - Xiaoxi) • Ning209 - Naxixi Shale Gas Pipeline • Northeast - West Sichuan Natural Gas Pipeline (Puguang - Deyang) • Myanmar - China Natural Gas Pipeline Chuxiong - Panzhihua - Liangshan Branchline • Yuanba - Deyang Natural Gas Pipeline • Jiannan Gasfield - Wanzhou Natural Gas Pipeline • Jiannan Gasfield South Block - Xituo Natural Gas Pipeline • Jiannan Gasfield South Block - Shizhu Gas Chemical Plant Natural Gas Pipeline • Jiaoshi - Baitao Shale Gas Pipeline • Fuling - Wangchang Shale Gas Pipeline • Sichuan-to-East China Pipeline Chuanwei Branchline • Wo - Yu Natural Gas Pipeline (Wolonghe Gasfield - Chongqing) • Wanzhou - Yunyang Natural Gas Pipeline • Ba - Yu Natural Gas Pipeline (Shiyougou Gasfield - Chongqing) • Shan - Yu Natural Gas Pipeline (Shilongxia Gasfield - Dadukou) • Dong - Shi Natural Gas Pipeline (Dongxi Gasfield - Shiyougou Gasfield) • Qi - Nan Natural Gas Pipeline (Dongxi Gasfield - Wansheng - Nanchuan) • Nanya - Kaixian Natural Gas Pipeline • Chi47 - Zhongxian Natural Gas Pipeline • Chi64 - Fengdu Natural Gas Pipeline • Yinjing Natural Gas Process Plant - Shenyakou Natural Gas Pipeline • Shen - Jian Natural Gas Pipeline (Shenyakou - Jianfeng Chemical) • Shen - Dao Natural Gas Pipeline (Shenyakou - Daoshuiqiao) • Daoshuiqiao - Sinopec Sichuan Vinylon Works Natural Gas Pipeline • Wo - Chang Natural Gas Pipeline (Shiqiao - Duzhou) • Banan Malu Riverside Development Zone Natural Gas Pipeline (Shituo - Malu) • Xiang18 Gasfield - Xinglong Natural Gas Pipeline • Xiang18 Gasfield - Xiang14 Gasfield Natural Gas Pipeline • Xiang - Liang Natural Gas Pipeline (Xiang14 Gasfield - Lianglu) • Xiang - Yu Natural Gas Pipeline (Xinglong - Lianglu) • Xiang - He Natural Gas Pipeline (Xiang14 Gasfield - Hechuan) • Xiang - He Natural Gas Pipeline 2 (Xiang14 Gasfield - Hechuan) • Xiang - He Natural Gas Pipeline Qingping Branchline • Tong - Xiang Natural Gas Pipeline (Tongliang - Xiangguosi) • Xiang - Han Natural Gas Pipeline (Xiangguosi - Hantu) • Han - Liang Natural Gas Pipeline (Hantu - Lianglu) • Han - Ren Natural Gas Pipeline (Hantu - Renhe) • Han - Bai Natural Gas Pipeline (Hantu - Baiguoshu) • Shuijiang - Nanchuan Natural Gas Pipeline • Lai - Yong Natural Gas Pipeline (Laifeng - Yongchuan) • Laifeng - Hualong Natural Gas Pipeline • Lai - Xi Natural Gas Pipeline (Laifeng - Xipeng) • Ren - Lang Natural Gas Pipeline (Rentuo - Langshan) • Mafang - Yongchuan Natural Gas Pipeline • Zhutuo Gasfield - Gangqiao Industrial Park Natural Gas Pipeline • Hebaochang Gasfield - Dazhu Natural Gas Pipeline • Hebaochang Gasfield - Rongchang Natural Gas Pipeline • Longchang - Rongchang Natural Gas Pipeline • Nan - Wan - Zhong Natural Gas Pipeline Wanzhou Branchline • Dongshan Gasfield Dong-8 Well - Sanjiao Industry Park Natural Gas Pipeline • Chongqing Highway Outer Rim Natural Gas Pipeline • Xi - Yong Natural Gas Pipeline (Xipeng - Yongchuan) • He - Bei Natural Gas Pipeline (Hechuan - Beibei) • Yu - Tong Natural Gas Pipeline (Yuzui - Tongjiayuanzi) • Baitao - Zili Natural Gas Pipeline 2 • Fuling Baitao Industry Park Natural Gas Pipeline • Yongchuan - Shuangqiao Natural Gas Pipeline • Zhong - Feng Natural Gas Pipeline (Zhongxian - Fengdu) • Fengdu County Zhenjiang - Shuitianping Natural Gas Pipeline • Fengdu County Zhenjiang - Shetan Natural Gas Pipeline • Zhonghe - Kaixian Natural Gas Pipeline • Guanzikou - Kaixian Industrial Park A Natural Gas Pipeline • Guanzikou - Kaixian Industrial Park B Natural Gas Pipeline • Si - Fu Natural Gas Pipeline (Sihe 1 Gasfield - Fuling) • Dian - Fu Natural Gas Pipeline (Dianjiang - Fuling) • Chang - Nan Natural Gas Pipeline (Changshou - Fuling - Nanchuan) • Chang - Nan Natural Gas Pipeline Longqiao Branchline • Chang - Nan Natural Gas Pipeline Baitao Branchline • He - Tai Natural Gas Pipeline (Hechuan - Taihe) • He - Qian Natural Gas Pipeline (Hechuan -

Qiantang) • Gu - Long Natural Gas Pipeline (Gulou - Longfeng) • Hechuan - Tongxi Natural Gas Pipeline • Huang - Qing Natural Gas Pipeline • Lianglu - Dongyang Natural Gas Pipeline • Hu - Bi Natural Gas Pipeline (Huxi - Bishan) • Bi - Da Natural Gas Pipeline (Bicheng - Dalu) • Zou - Chao Natural Gas Pipeline (Zoumayang - Chaoyouchang) • Jiannan Gasfield South Block - Shizhu Natural Gas Pipeline • Jiannan Gasfield South Block - Huangshui Natural Gas Pipeline • Huangshui - Lengshui Natural Gas Pipeline • Xianfeng - Qianjiang Natural Gas Pipeline • Lichuan - Qianjiang Natural Gas Pipeline 2 • Qianjiang - Yongyang - Xiushan Natural Gas Pipeline • Qingtang - Yongyang Natural Gas Pipeline • Zhongxian - Shizhu Natural Gas Pipeline • Yunan 6 Gasfield - Yunyang Natural Gas Pipeline • Yunyang - Fengjie - Wushan Natural Gas Pipeline • Liangfeng - Gaofeng Natural Gas Pipeline • Wolonghe Gasfield - Dianjiang Gas Process Plant Feed Gas Pipeline • Cheng - Dian Natural Gas Pipeline • Duzhou - Sinochem Fuling Chemical Natural Gas Pipeline • Tongnan - Tongliang Natural Gas Pipeline • Shaoyun - Bachuan Natural Gas Pipeline 2 • Qiqiao - Liangping Industry Park Natural Gas Pipeline • Moxi Gasfield - Tongnan Natural Gas Pipeline • Tongnan - Tongnan Industry Park South District Natural Gas Pipeline • Moxi Gasfield - Minfeng Chemical Natural Gas Pipeline • Minfeng Chemical - Wanlilai Chemical Natural Gas Pipeline • Zhu2 - Zhuanglongchang Natural Gas Pipeline • Wulingshan Natural Gas Pipeline (Baitao - Youyang) • Chongqing Liangjiang Gas Power Plant Natural Gas Pipeline • Fuling New Industry Users Natural Gas Pipeline (Changjiangxi - Baitao) • Fuling New Industry Users Natural Gas Pipeline Qingxi Branchline (Banli - Qingxi) • Chongqing Sichuan-to-East China Pipeline Connecting Line (Changjiangxi - Chuanwei) • Renhe - Ping'an - Yanglu Natural Gas Pipeline • Wanzhou Sheningba - Fenshui Natural Gas Pipeline • Wanzhou Fenshui - Longsha Natural Gas Pipeline • Lianping Qushui - Shi'an Natural Gas Pipeline • Shizhu Xituo - Wanzhou Xikou Natural Gas Pipeline • Jiannan - Tai'an Natural Gas Pipeline • Baiyang - Tailong Natural Gas Pipeline • Zouma - Shuangliu - Cizu Natural Gas Pipeline • Baojia - Pengshui Natural Gas Pipeline • PY3HF - Pengshui Shale Gas Pipeline • Deng - Su Natural Gas Pipeline • Baying - Baishi Natural Gas Pipeline • Bao - Wan Natural Gas Pipeline (HB24 - Guchang - Wanling) • Yu - Feng Natural Gas Pipeline (Wanling - Fenggao Dashiqiao) • Feng - You Natural Gas Pipeline (Fenggao - Youting) • Feng - Zhi Natural Gas Pipeline (Fenggao - Zhisheng) • Zhi - Jin Natural Gas Pipeline (Zhisheng - Lengjiachang) • Chongqing Jianguan Industry Park Distributed Energy Station Natural Gas Pipeline • Mao - Da Natural Gas Pipeline (Maoba - Daxian) • Sichuan-to-East China Pipeline Dazhou Chemical Branchline • Huangdongchang Gasfield - Xuanhan Natural Gas Pipeline • Jinshan - Kaijiang Natural Gas Pipeline • Puguang Gasfield Process Plant - Dazhou Puguang Economic Development Zone Natural Gas Pipeline • Shuanghe - Liuchi Industry Park Natural Gas Pipeline • Puguang - Wanyuan Natural Gas Pipeline • Longwang - Cangxi Natural Gas Pipeline 2 • Jiulongshan Gasfield - Guangyuan Natural Gas Pipeline • Guangyuan Industry Park (Cangxi) Natural Gas Pipeline • Jiange Gasfield - Liuchiba Natural Gas Pipeline • Shuangyushi Gasfield - Jinzishan Natural Gas Pipeline • Shuangyushi Gasfield - Bailong Natural Gas Pipeline • Zhong - Guang Natural Gas Pipeline (Zhongba Gasfield - Guangyuan) • Jin - Guang Natural Gas Pipeline (Jinzishan - Guangyuan) • Guang - Wang Natural Gas Pipeline (Guangyuan - Cangwang) • Guangyuan - Chaotian Natural Gas Pipeline • Zhuyuan - Qiaozhuang Natural Gas Pipeline • Yuanba - Qingshui Natural Gas Pipeline • Cangwang - Sanjiang Natural Gas Pipeline • Cangwang - Zhanghua Natural Gas Pipeline • Qiaozhuang - Muyu Natural Gas Pipeline • Yuanba Gasfield - Guangyuan Natural Gas Industrial Park Pipeline • Puji - Mumen Natural Gas Pipeline • Sanjiang - Jinxi - Wuquan Natural Gas Pipeline • Chaotian - Zhongzi Natural Gas Pipeline • Ba - Nan Natural Gas Pipeline (Bajiaochang Gasfield - Nanchong) • Jiao - Shuang Natural Gas Pipeline (Bajiaochang Gasfield - Shuanglong) • Lianchi Oilfield Export Pipeline • Yanting - Bajiaochang Natural Gas Pipeline • Nanchong City's Chemical Industry Park Natural Gas Pipeline • LG173 - Shuiquan Natural Gas Pipeline • Yuanba Gasfield - Qianfo Natural Gas Pipeline • Yuanba Gasfield - Langzhong Natural Gas Pipeline • Shuang - Lang Natural Gas Pipeline (Shuanglong - Langzhong) • Cangxi - Langzhong Natural Gas Pipeline • Boya - Shuanglong Natural Gas Pipeline • Lang - Qian Natural Gas Pipeline (Langzhong - Qianfo) • Langzhong - Siyi Natural Gas Pipeline • Yuanba - Laoguan Natural Gas Pipeline • Yuanba Initial Station - Langzhong Natural Gas Pipeline • Langzhong - Nanchong Natural Gas Pipeline • Jinxingchang Gasfield Xing1 Well - Boya Natural Gas Pipeline • Gongshanmiao Oilfield Gong3 - Nanbu County Natural Gas Pipeline • Dingshui - Nanbu County Natural Gas Pipeline • Tumanya - Dawang Natural Gas Pipeline • Dawang - Jianxing Natural Gas Pipeline • Shuanglong - Nanbu Natural Gas Pipeline • Langzhong Shuanglong - Yilong Jincheng Natural Gas Pipeline • Jincheng - Tumen Natural Gas Pipeline • Gongshanmiao Oilfield Gong45 - Xinzhen Natural Gas Pipeline • LG173 Gasfield - Yilong Natural Gas Pipeline • Huaqiao - Xiqiao Natural Gas Pipeline • Xiqiao - Yingshan Natural Gas Pipeline • Yingshan - Xiaobao Natural Gas Pipeline • Jidu - Peng'an Natural Gas Pipeline • Heshu - Peng'an Natural Gas Pipeline • Gong5 Well - Longmiao - Lijia Natural Gas Pipeline • Longgang - Bazhong Natural Gas Pipeline • Guang'an - Bazhong Natural Gas Pipeline (Huaqiao - Xikanshan) • Cao - Tong Natural Gas Pipeline (Caochi - Tongjiang) • Northeast - West Sichuan Natural Gas Pipeline Heba Branch Line (Heba Gasfield - Pingchang) • Northeast - West Sichuan Natural Gas Pipeline Bazhong Enyang New District Branchline • Bazhong - Pingchang Natural Gas Pipeline • Wu - Ping Natural Gas Pipeline (Wumu - Pingchang) • Bazhong - Nanjiang Natural Gas Pipeline • Gan - Tong Natural Gas Pipeline (Ganquan - Tongjiang) • Changxing - Tongjiang Natural Gas Pipeline • Zengkou - Dingshan - Daluo Natural Gas Pipeline • Lingyun - Siling - Nanyang Natural Gas Pipeline • Guang'an Gasfield - Guang'an North Natural Gas Pipeline • Guang'an Gasfield - Guang'an South Natural Gas Pipeline • Shiya - Yuechi Natural Gas Pipeline • Miao4 - Youxi Natural Gas Pipeline • Miao4 - Xima Natural Gas Pipeline • Shiya - Xima Natural Gas Pipeline • Shiya - Zhonghe Natural Gas Pipeline • Chang'an - Linshui Natural Gas Pipeline • Bandong Gasfield - Huaying Natural Gas Pipeline • Guang51 - Xinqiao Energy Industry Park Natural Gas Pipeline • Guang'an103 - Xinqiao Energy Industry Park Natural Gas Pipeline • Guang'an Ko Yo Chemical Natural Gas Pipeline (Xiaoxi - Guang'an Ko Yo Chemical) • Guang'an Industry Park Distributed Energy Station Natural Gas Pipeline • Bai - Mo Natural Gas Pipeline (Moxi Gasfield - Shehong) • Qikou - Daying Natural Gas Pipeline • Tianjiawan - Daying Natural Gas Pipeline • Daying - Hebian Natural Gas Pipeline • Fujia - Ziyang Natural Gas Pipeline • Ziyang Houshi Industry Zone Natural Gas Pipeline • Moxi Gasfield - Lezhi Natural Gas Pipeline • Lezhi - Tongjia Natural Gas Pipeline • Huanghuayuan - Lezhi Natural Gas Pipeline • Lezhi - Huilan Natural Gas Pipeline • Lezhi - Kongque Natural Gas Pipeline • Dongjia - Gaosi - Zhongtian Natural Gas Pipeline • Yucheng - Jiajia Natural Gas Pipeline • Jiajia - Shipan Natural Gas Pipeline • Moxi - Anyue Natural Gas Pipeline • Deng - Zheng Natural Gas Pipeline (Dengguan - Zhanggongqiao) • Niufu - Zhanggongqiao Natural Gas Pipeline • Wei202 Block Gas Export Pipeline 2 (Wei202 - Hubao Section) • Wei202 Block Gas Export Pipeline 2 (Wei202 - Hubao Section) • Wei202 Block Gas Export Pipeline (Xujiaochong - Wei202) • Wei - Nei Natural Gas Pipelines • Xu - Wei Natural Gas Pipeline (Xujiaochong - Wei202) • Hu - Xu Natural Gas Pipeline (Hubao - Xujiaochong) • Longchang - Neijiang Natural Gas Pipeline • Chengjia - Zhanggongqiao Natural Gas Pipeline • Xinglongchang Gasfield - Yantan Natural Gas Pipeline • Dashanpu - Niufu Natural Gas Pipeline • Lu -

Wei Natural Gas Pipeline Xinglongchang Gasfield Branchline • Ti3 Gasfield - Zhaoxia Natural Gas Pipeline • Dongxing - Zitongqiao Natural Gas Pipeline • Dongxing - Zitongqiao Natural Gas Pipeline 2 • Wei5 Gas Well Station - Zitongqiao Natural Gas Pipeline • Miao - Chi Natural Gas Pipeline (Miaogaosi Gasfield - Chishui) • Na - Lan Natural Gas Pipeline (Naxi - Lantian) • Fenshui Gasfield - Lantian Natural Gas Pipeline • Yanggaosi Gasfield 7 Block - Fujii Natural Gas Pipeline • Yanggaosi Gasfield 7 Block - Luzhou Carbon Black Plant Natural Gas Pipeline • Gaomuding Gasfield - Tianchi Natural Gas Pipeline • He - Chi Natural Gas Pipeline (Hejiang - Chishui) • Changning Gasfield - Xuyong Natural Gas Pipeline • Na9 - Lantian Shiling Natural Gas Pipeline • Luxian - Chaohe Natural Gas Pipeline • Zhao2 Gasfield - Yibin Natural Gas Pipeline • Ta - Hong Natural Gas Pipeline (Datachang Gasfield - Yibin) • Yi - Huang Natural Gas Pipeline (Yibin Gasfield - Huangjuezhuang) • Hong - Huang Natural Gas Pipeline (Hongmiao - Huangjuezhuang) • Tongzi Gasfield 7 Block - Jiang'an Natural Gas Pipeline • Naxi - Anbian Natural Gas Pipeline Fuxi Branchline (Wangjiaqiao - Fuxi) • Changning Shale Gas Trial Production Export Pipeline (Ning201-H1 - Shuanghe) • YS108 - Ning201-H1 Shale Gas Pipeline • Shuanghe - Yibin Natural Gas Pipeline • Dengguan - Wuliangye Natural Gas Pipeline • Yibin Weiliisi Float Glass Natural Gas Pipeline • Wangjiaqiao - Gongxian Natural Gas Pipeline • Gongxian - Gongquan Natural Gas Pipeline • Wangjiaqiao - Gaoxian Natural Gas Pipeline • Gaoxian - Junlian Natural Gas Pipeline • Mu'ai - Junlian Shale Gas Pipeline • Pingshan - Juexi Natural Gas Pipeline • Xijie - Yachi Natural Gas Pipeline • Xijie - Yachi Natural Gas Pipeline Shulou Branchline • Changning Gasfield - Xingwen Natural Gas Pipeline • Huangxu - Fengu Natural Gas Pipeline • Yuan - Yong Natural Gas Pipeline (Chuanxiao 156 - Mianyang Yongxing) • Yuan - Dong Natural Gas Pipeline (Chuanxiao 156 - Mianyang Dongyue) • Deyang - Beichuan Natural Gas Pipeline • Zhong - Qing D508 Natural Gas Pipeline Weicheng Gasfield Branchline • Shehong - Yanting Natural Gas Pipeline • Yanting - Qiulin Natural Gas Pipeline • Zhongba Gasfield - Jianguo Power Plant Natural Gas Pipeline • Qiu - Jing Natural Gas Pipeline (Qiulin Gasfield - Mianyang) • Qiu - Jing Natural Gas Pipeline Mojia Branchline • Zhong - Qing D720 Natural Gas Pipeline Qinglian Branchline • Zi - Mian Natural Gas Pipeline (Zitong - Mianyang) • Yong - Mian Natural Gas Pipeline 2 (Yongxing - Mianyang) • Mianyang 2nd Highway Rim Natural Gas Pipeline • Mojia - Beichuan Natural Gas Pipeline • Luxi - Santai Natural Gas Pipeline • Jianguo - Pingwu Natural Gas Pipeline • Anshan - Qushan Natural Gas Pipeline • Changhong Mianyang Distributed Energy Station Natural Gas Pipeline • Mianyang - Jianguo Natural Gas Pipeline • Xinchang Gasfield - Huangxu Natural Gas Pipeline • Xin - Shi Natural Gas Pipeline (Xinchang - Shifang) • Majing Gasfield - Shifang Natural Gas Pipeline • Qifu - Mianzhu Natural Gas Pipeline • Chuanghechang Gasfield - Luojiang Natural Gas Pipeline • Huanglu - Cangshan Natural Gas Pipeline • Deyang - Zhongjiang Natural Gas Pipeline • Zhongjiang - Luojiang Jinshan Natural Gas Pipeline • Xinchang - Sanyi - Chengdu Tianfu New District Natural Gas Pipeline Deyang Branchline • Dexin - Qifu Natural Gas Pipeline • Deyang Donghe - Deyang Natural Gas Pipeline • Hua - Wen Natural Gas Pipeline (Huayang - Wenjiang) • Hua - Xin Natural Gas Pipeline (Huayang - Xinjin) • Qing - Peng Natural Gas Pipeline (Qingbajiang - Pengzhou) • Peng - Pi Natural Gas Pipeline (Pengzhou - Pixian) • Wei - Qing Natural Gas Pipeline Jiancha - Jitian Branchline • Sichuan Petrochemical Natural Gas Pipeline • Sichuan Petrochemical Natural Gas Pipeline's Sichuan Refinery Connecting Line • Sichuan Petrochemical Natural Gas Pipeline Shengping - Pixian Branchline • Chengxiang - Jintang Natural Gas Pipeline • Yucheng - Wenjiang Natural Gas Pipeline • Yucheng - Wenjiang Natural Gas Pipeline Chengmei Branchline • Yongxing - Longquan Natural Gas Pipeline • Tong'an - Pingqiao Natural Gas Pipeline • Chongzhou Foxconn Accessory Industry Park Natural Gas Pipeline (Wenjiang - Chongzhou) • Pengzhou - Chengdu Natural Gas Pipeline • Tangjiasi - Chengdu Natural Gas Pipeline • Tangjiasi - Sanhe Natural Gas Pipeline • Chengdu 1th Highway Rim Natural Gas Pipeline • Chengdu 2th Highway Rim Natural Gas Pipeline • Chengdu 4th Highway Rim Natural Gas Pipeline • Xin - Qing Natural Gas Pipeline (Xinchang - Qingbajiang) • Xin - Peng Natural Gas Pipeline (Xinchang - Pengzhou) • Huang - Jin Natural Gas Pipeline (Huangxu - Jintang) • Jin - Qing Natural Gas Pipeline (Jintang - Qingbajiang) • San - Peng Natural Gas Pipeline (Sanyi - Pengzhou) • Sanyi - Qingbajiang Natural Gas Pipeline • Shi - Ban Natural Gas Pipeline (Shibantan - Banzhuyuan) • Shi - Jin Natural Gas Pipeline (Shibantan - Jintang) • Ban - Pi Natural Gas Pipeline (Banzhuyuan - Pixian) • Dayi Gasfield - Dayi Natural Gas Pipeline • Pingluoba - Jitian Natural Gas Pipeline • Pingluo - Qionglai Natural Gas Pipeline • Qionglai - Dayi Natural Gas Pipeline • Qiong - Yang Natural Gas Pipeline (Qionglai - Yang'an) • Qionglai - Xinjin Natural Gas Pipeline • Pengzhou - Danjingshan Natural Gas Pipeline • Pengzhou - Sanyi Natural Gas Pipeline • Wutongqiao - Pengzhou Petrochemical Natural Gas Pipeline • Peng - Du Natural Gas Pipeline (Pengzhou - Dujiangyan) • Dujiangyan - Qingchengshan - Daguang Natural Gas Pipeline • Daguang - Anlong - Lijie Natural Gas Pipeline • Juyuan - Chongyi Natural Gas Pipeline • Pengzhou Petrochemical - Dujiangyan Natural Gas Pipeline • Guanyin - Xinjin Natural Gas Pipeline • Dayi - Anren Natural Gas Pipeline • Ren - Jian Natural Gas Pipeline (Renhou - Jianyang) • Yucheng - Jiancheng Natural Gas Pipeline • Dayi - Chongzhou Natural Gas Pipeline • Xinchang - Sanyi - Chengdu Tianfu New District Natural Gas Pipeline • Zhongjiang - Longquan Natural Gas Pipeline • Pengzhou Industry Development Zone Natural Gas Pipeline • Pengzhou Southern New City Natural Gas Pipeline • Pengzhou Petrochemical Industry Zone Natural Gas Pipeline • Ji - Mei Natural Gas Pipeline (Jitian - Meishan) • Ji - Mei Natural Gas Pipeline 2 (Jitian - Meishan) • Meizhou - Heilong Natural Gas Pipeline • Daxingchang Gasfield - Danling Natural Gas Pipeline • Dan - Hong Natural Gas Pipeline (Danling - Hongya) • Xiwen - Qingshen Natural Gas Pipeline • Hongya - Lijiang Natural Gas Pipeline • Hongya - Cangyutan Natural Gas Pipeline • Lijiang - Wawushan Natural Gas Pipeline • Pengshan Minjiang No.1 Bridge - Yan 1 Well Natural Gas Pipeline • Yan 1 Well - Huangfeng Natural Gas Pipeline • Wei - Wu Natural Gas Pipeline (Weiyan Gasfield - Jinsu) • Jinsu - Shawan Natural Gas Pipeline • Jinsu - Shawan Natural Gas Pipeline Leshan Hi-tech Zone Branchline • Shawan - Jianong Natural Gas Pipeline • Jinshan - Wutongqiao Natural Gas Pipeline • Jinshu - Jianwei Natural Gas Pipeline • Wangyang - Jingyan Natural Gas Pipeline • Jingyan - Ganlin Natural Gas Pipeline • Ganlin - Jianong Natural Gas Pipeline • Ganlin - Huangtu Natural Gas Pipeline • Jingyan - Jinshan Natural Gas Pipeline • Jin - Ma Natural Gas Pipeline (Jinshan - Mapu) • Jianong - Leshan Industry Zone Natural Gas Pipeline • Jia - Zhu Natural Gas Pipeline (Jianong - Zhukan) • Wangyang - Yongjiang Natural Gas Pipeline • Ma3 - Muchuan Natural Gas Pipeline • Muchuan - Mabian Natural Gas Pipeline • Jiuli - Ebian Natural Gas Pipeline • Pingluoba Gasfield - Ya'an Natural Gas Pipeline • Lianhuashan Gasfield - Mingshan Natural Gas Pipeline • Yaan - Lushan Natural Gas Pipeline • Yaan - Tianquan Natural Gas Pipeline • Yaan - Yingjing Natural Gas Pipeline • Lushan - Baoxing Natural Gas Pipeline • Ya'an - Hanxuan Natural Gas Pipeline • Yaoqiao - Daxing Natural Gas Pipeline • Mingshan - Xindian Natural Gas Pipeline • Mingshan - Yongxing Natural Gas Pipeline • Qionglai - Mingshan Baizhang and Hongxing Natural Gas Pipeline • Pujiang - Lianjiang Natural Gas Pipeline • Xinjiecun - Yizi Natural Gas Pipeline • Panzhihua Vanadium Titanium Industry Park - Jinjiang Natural Gas Pipeline • Panzhihua Gate Station - Nanshan Natural Gas Pipeline • Panzhihua Gate Station - Yanzi Natural Gas Pipeline • Panzhihua Gate Station

- Vanadium Titanium Industry Park Natural Gas Pipeline • Panzhuhua Gate Station - Chengdu New District Natural Gas Pipeline • Panzhuhua Gate Station - Xinjiu Natural Gas Pipeline • Panzhuhua - Miyi Natural Gas Pipeline • Panzhuhua - Huidong Natural Gas Pipeline • Panzhuhua - Liangshan Natural Gas Pipeline • Chishui Gasfield Gas Gathering Pipeline • Duyun - Kaili Natural Gas Pipeline • Kaili - Tongren Natural Gas Pipeline • Gui - Huang Coal Gas Pipeline • Gui - Huang Coal Gas Pipeline 2 • Qing - Zhong Coal Gas Pipeline (Qingzhen - Zhongcaosi) • Guiyang Natural Gas West Rim Pipeline • Guiyang Natural Gas East Rim Pipeline • Maguan - Zazu Natural Gas Pipeline • Guizhou Natural Gas Pipeline Yanlou - Mengguan Branchline • Guizhou Natural Gas Pipeline Qingzhen Branchline • Xifeng - Kaiyang Natural Gas Pipeline • Kaiyang - Longgang Natural Gas Pipeline • Guizhou Natural Gas Pipeline Zuenyi - Heping Branchline • Guizhou Natural Gas Pipeline Zuenyi - Renhuai Branchline • Guizhou Natural Gas Pipeline Renhuai - Xishui Branchline • Guizhou Natural Gas Pipeline Zuenyi - Xinpu Branchline • Guizhou Natural Gas Pipeline Zuenyi - Gaoping Branchline • Zuenyi - Suiyang Natural Gas Pipeline • Zuenyi - Meitan Natural Gas Pipeline • Zuenyi Highway Rim Natural Gas Pipeline • Zunyi Alumina Plant Natural Gas Pipeline • Zuenyi - Hezhang Natural Gas Pipeline • Bailidujuan - Nayong Natural Gas Pipeline • Hezhang - Weining Natural Gas Pipeline • Guizhou Natural Gas Pipeline Liuzhi - Shuicheng Branchline • Liupanshui Liuzhi LNG Plant Natural Gas Pipeline • Guizhou Natural Gas Pipeline Anshun - Shibanzhai Branchline • Baiyan - Anshun Natural Gas Pipeline • Baiyan - Zhujiaashan Natural Gas Pipeline • Zhujiaashan - Puding Economic & Industry Park Natural Gas Pipeline • Myanmar - China Natural Gas Pipeline Pingba Branchline • Guizhou Natural Gas Pipeline Pu'an - Xingyi Branchline • Qingshan - Xingren Natural Gas Pipeline • Qingshuihe - Xingyi Natural Gas Pipeline • Myanmar - China Natural Gas Pipeline Duyun Branchline • Guizhou Natural Gas Pipeline Duyun - Luobang Branchline • Guizhou Natural Gas Pipeline Guiyang - Longli Branchline • Longli - Weng'an Natural Gas Pipeline • Qingyan - Changtian - Huishui Natural Gas Pipeline • Duyun - Weng'an Natural Gas Pipeline • Meitan - Sinan Natural Gas Pipeline • Duyun - Kaili - Tongren Natural Gas Pipeline Wanshan Branchline • Yuping - Dalong Natural Gas Pipeline • Myanmar - China Natural Gas Pipeline Lijiang Branchline • Myanmar - China Natural Gas Pipeline Yuxi Branchline • Qujing - Zhaotong Natural Gas Pipeline • Yuxi - Pu'er Natural Gas Pipeline • Qujing - Luliang Natural Gas Pipeline • Luxi - Mile - Kaiyuan Natural Gas Pipeline • Myanmar - China Natural Gas Pipeline Honghe - Wenshan Branchline • Yunnan Natural Gas Pipeline Honghe Branchline • Yunnan Natural Gas Pipeline Lincang Branchline • Kunming City Gas High Pressure Eastern Line (Tuomoshan - East Huanhu Road) • Myanmar - China Natural Gas Pipeline Kunming West Branchline • Myanmar - China Natural Gas Pipeline Kunming East Branchline • Kunming Gas Power Plant Natural Gas Pipeline • Anning Lubiao Industry Zone Natural Gas Pipeline • Fumin County Luomian Industry Zone Natural Gas Pipeline • Kunming Wuhua District Taoyuan Natural Gas Pipeline • Kunming Economic & Technology Development Zone Natural Gas Pipeline • Kunming Qidian Industry Park Natural Gas Pipeline • Yunnan Aluminium Company Natural Gas Pipeline • Xundian Jinsuo Industry Park Natural Gas Pipeline • Kunming Chi Rim Natural Gas Pipeline • Kunming 2nd Highway Rim Natural Gas Pipeline • Kunming Highway Rim Natural Gas Pipeline • Kunming East Highway - Qidian Natural Gas Pipeline • Qidian - Yangzonghai Natural Gas Pipeline • Anning - Jinning Natural Gas Pipeline • Bijiguan - Caohai - Dianchi Natural Gas Pipeline • Kunming - Chenggong New City Coal Gas Pipeline • Chenggong - Qidian Coal Gas Pipeline • Kunming Dabanqiao Coal Gas Plant - Chenghuang Road Coal Gas Pipeline • Jinning County Industry Park (Baofeng Zone) Natural Gas Pipeline • Fumin - Changshui Natural Gas Pipeline • Myanmar - China Natural Gas Pipeline Qujing Baishui Branchline • Myanmar - China Natural Gas Pipeline Qujing Fuyuan Branchline • Yunnan Natural Gas Pipeline Malong Branchline • Lubiao - Yimen Natural Gas Pipeline • Yuxi Huanning Natural Gas Pipeline • Yuxi Huanning Natural Gas Pipeline Xiaoshidong - Jiangchuan Branchline • Yuxi Huanning Natural Gas Pipeline Gaopo - Huanning Branchline • Zhao 2 Gasfield - Shuifu Natural Gas Pipeline • Shuifu - Shaonping Natural Gas Pipeline • Shuifu - Ludian Natural Gas Pipeline • Taiping - Suijiang Natural Gas Pipeline • Pu'er - Yongshan Natural Gas Pipeline • Dousha - Yanjin Natural Gas Pipeline • Shizi - Luokan Natural Gas Pipeline • Luokan - Weixin Natural Gas Pipeline • Luokan - Zhenxiang Natural Gas Pipeline • Qinggang - Yiliang Natural Gas Pipeline • Sanzhai - Dagan Natural Gas Pipeline • Shaonping - Huiyi Natural Gas Pipeline • Yunnan Natural Gas Pipeline Yongping Branchline • Yunnan Natural Gas Pipeline Xiangyun Branchline • Yunnan Natural Gas Pipeline Yangbi Branchline • Yunnan Dali Natural Gas Pipeline • Jizushan - Binchuan Natural Gas Pipeline • Hongyan - Midu Natural Gas Pipeline • Midu - Weishan Natural Gas Pipeline • Weishan - Nanjian Natural Gas Pipeline • Yunnan Natural Gas Pipeline Nanhua Branchline • Lufeng Jinshan Natural Gas Pipeline • Lufeng Yaozhan Natural Gas Pipeline • Lufeng Tuguan Natural Gas Pipeline • Luxi North LNG Regasification Station - Luxi Natural Gas Pipeline • Yunnan Natural Gas Pipeline Mangshi Branchline • Yunnan Natural Gas Pipeline Ruiji Branchline • Yunnan Natural Gas Pipeline Longling Branchline • Yunnan Natural Gas Pipeline Tengchong Branchline • Yunnan Natural Gas Pipeline Shidian Branchline • Baoshan Natural Gas Project High Pressure Pipeline • Shuichang - Shidian Natural Gas Pipeline • Yunnan Natural Gas Pipeline Diqing Branchline (Lijiang - Shangri-La) • Shaobo Oilfield - Zhenwu Oilfield Crude Oil and Gas Pipeline • Zhenwu Oilfield - Zhenwu Gas Process Station Natural Gas Pipeline • Yong'an Oilfield Yong25-4 Station - Yong13 Station Oil and Gas Pipeline • Yong'an Oilfield - Caozhuang Oilfield Natural Gas Pipeline • Xiaoliuzhuang Oilfield - Caozhuang Oilfield Natural Gas Pipeline • Caozhuang Oilfield - Zhenwu Gas Process Station Natural Gas Pipeline • Xuqian1 Oilfield - Zhenwu Gas Process Station Natural Gas Pipeline • Songjiaduo Oilfield Zhou41 Station - Zhou32 Station Natural Gas Pipeline • Songjiaduo Oilfield Zhou43 Station - Zhou41 Station Natural Gas Pipeline • Wuxi - Zhangjiagang Natural Gas Pipeline • Sichuan-to-East China Pipeline Jiangsu Branchline Phase 1 (Shangdang - Gushan) • Sichuan-to-East China Pipeline Jiangsu Jintan - Wujin Branchline • West East Gas Pipeline Yixing - Liyang Natural Gas Branchline • West East Gas Pipeline Jintan - Liyang Natural Gas Branchline • West East Gas Pipeline Jintan Underground Storage Branchline • West East Gas Pipeline Ji-Ning Connecting Line Suzhong Branchline (Jiangdu - Nantong) • West East Gas Pipeline Ji-Ning Connecting Line Suzhong Branchline (Taixing - Furong) • Jiangsu Binhai LNG Natural Gas Pipeline Jiangsu Binhai - Xuyi Section • West East Gas Pipeline Xuzhou Branch Line (Pizhou - Xuzhou) • West East Gas Pipeline Ji-Ning Connecting Line Suining Branchline • Suining - Shuanggou Natural Gas Pipeline • Xuzhou - Tongshan Natural Gas Pipeline • West East Gas Pipeline Pizhou Branchline • Tianmiao - Suyangshan Natural Gas Pipeline • West East Gas Pipeline Pizhou Novel and High Technology Development Zone Branchline • Xinyi Gate Station - Xinyi Natural Gas Pipeline • Pizhou - Jiawang Natural Gas Pipeline • Xinyi Longhe - Qipan Natural Gas Pipeline • Xuzhou Economic & Technology Development Zone - Wazhuang Natural Gas Pipeline • Wazhuang - Jiawang Natural Gas Pipeline • Wazhuang - Jing'an Natural Gas Pipeline • Jing'an - Fengxian Natural Gas Pipeline • Jing'an - Peixian - Longgu Natural Gas Pipeline • West East Gas Pipeline Lianyungang Branch Line (Pizhou - Lianyungang) • West East Gas Pipeline Donghai Branchline • Lianyungang - Ganyu Natural Gas Pipeline • Punan - Guanyun

Natural Gas Pipeline • Guanyun - Yanweigang Natural Gas Pipeline • Punan - Xuwei Natural Gas Pipeline • Xuwei - Duigougang Natural Gas Pipeline • Yong - Tai Natural Gas Pipeline Guannan Branchline • Donghai - Shanzuokou Natural Gas Pipeline • Nancai - Suqian Natural Gas Pipeline • Suqian - Suyang Natural Gas Pipeline • Suqian - Yanghe New District Natural Gas Pipeline • Suqian - Sihong Natural Gas Pipeline • West East Gas Pipeline Ji-Ning Connecting Line Siyang Branchline • Siyang Chengnan CNG Mother Station - Likou - Xinyuan Natural Gas Pipeline • Huai'an Wudun - Huai'an Salt and Alkali Industry Park Natural Gas Pipeline • Jiangsu Guoxin Huai'an Gas Power Plant Natural Gas Pipeline • Guoxin Huai'an Salt Chemical Park Gas Power Plant Natural Gas Pipeline • West East Gas Pipeline Ji-Ning Connecting Line Liuzhuang Underground Storage Branchline • Chenqiao - Dailou Natural Gas Pipeline • Jinhu - Xuyi Natural Gas Pipeline • Chuzhou - Lianshui Natural Gas Pipeline • Yancheng Gasfield - Yancheng Natural Gas Pipeline • Baoying - Yancheng - Dafeng Port Natural Gas Pipeline • Dainan - Shiyuan Natural Gas Pipeline • Shiyuan - Dongtai Natural Gas Pipeline • Yong - Tai Natural Gas Pipeline Jianhu Branchline • Yanwei Port - Xiangshui County's Guangdong New Material Industry Park Natural Gas Pipeline • Baoying - Yancheng - Dafeng Port Natural Gas Pipeline Dafeng Port Connecting Line • Xing - Feng Natural Gas Pipeline (Xinghua - Baofeng Port) • Jiangsu Binhai LNG Natural Gas Pipeline Jiangsu Tongyu - Funing Branchline • Jiangsu Rudong LNG Pipeline • Jiangsu Huadian Tongzhou Gas Thermal Power Plant Natural Gas Pipeline • Nantong City Gas Pipeline Phase 1 • Nantong - Rugao - Hai'an Natural Gas Pipeline • Yuanqiao - Banjing Natural Gas Pipeline • Shizhuang - Jiang'an Natural Gas Pipeline • Rugao Port - Jiuha Natural Gas Pipeline • Guoyuan - Baipu Natural Gas Pipeline • Rugao Western Natural Gas Connecting Line (Banjing - Gaoming - Jiang'an) • Rugao Eastern Natural Gas Connecting Line (Baipu - Linzi - Dingyan) • Motou - Wuyao Natural Gas Pipeline • Guoyuan - Guanghua Natural Gas Pipeline • Liuqiao - Jinxi Natural Gas Pipeline • Haimen Sanchang - Qidong Natural Gas Pipeline • Haimen Port Industry Zone Natural Gas Pipeline • Haimen Downtown Natural Gas Pipeline • Haimen East - Haimen Natural Gas Pipeline • Qi - Tong Natural Gas Pipeline (Qidong Lvzigang - Liuqiao) • Qi - Tong Natural Gas Pipeline Tongzhouwan Branchline • Qi - Tong Natural Gas Pipeline Tiansheng Port Power Plant Branchline • Qi - Tong Natural Gas Pipeline PetroChina Connecting Line • Qi - Tong Natural Gas Pipeline Zhongdong Energy Connecting Line • Nantong Tongzhou Liuqiao - Nantong High Technology Zone Natural Gas Pipeline • Rudong County Natural Gas Pipeline Phase 1 • Jiangsu Rudong LNG Gas Power Plant Pipeline • Sixiang - Taizhou Natural Gas Pipeline • Taizhou - Jiangyan - Dainan Natural Gas Pipeline • Dainan - Shiyuan Natural Gas Pipeline • Xingtai - Chenbao Natural Gas Pipeline • Sixiang - Gaogang Natural Gas Pipeline • Sixiang - Yong'an Zhou Natural Gas Pipeline • Nansha - Heshi Natural Gas Pipeline • Heshi - Hongqiao Industry Park Natural Gas Pipeline • Maoshan - Zhuhong Natural Gas Pipeline • Taixing Gate Station - Taixing Natural Gas Pipeline • Taixing - Jingjiang Natural Gas Pipeline • Jingjiang New Jiangping Road Natural Gas Pipeline • Jingjiang Yanjiang Road Natural Gas Pipeline • Datang Taixing Gas Power Plant Natural Gas Pipeline • Yangzhou City Natural Gas High Pressure Pipeline • Shatou - Touqiao Natural Gas Pipeline • West East Gas Pipeline Ji-Ning Connecting Line Jiangdu Branchline • Jiangsu Guoxin Gaoyou Gas Thermal Power Plant Natural Gas Pipeline • Jiangsu Guoxin Yizheng Automobile Industrial Park Gas Thermal Power Plant Natural Gas Pipeline • Huadian Yangzhou Gas Power Plant Natural Gas Pipeline • Yizheng Qingshan - Yizheng Economic Development Zone Natural Gas Pipeline • Yangzhou (Yizheng) Automobile Industrial Park Natural Gas Pipeline • West East Gas Pipeline Ji-Ning Connecting Line Gaoyou Branchline • West East Gas Pipeline Ji-Ning Connecting Line Economic Development Zone Branchline • Yizheng Suburban Natural Gas Connecting Line • West East Gas Pipeline Jingling Power Plant Branchline • West East Gas Pipeline Yangzi and BASF-YPC Branchline • Nanjing Liantan Gas Thermal Power Plant Natural Gas Pipeline • Sichuan-to-East China Pipeline Jinling Branchline • Liuhe - Pukou Natural Gas Pipeline • Nanjing Puwu Road Natural Gas Pipeline • Sichuan-to-East China Pipeline Yangzi - Nanjing Zhongran Gate Station Natural Gas Pipeline • Sichuan-to-East China Pipeline Jiangsu Liyang - Gaochun Branchline (Shezhu - Yaxi) • GD Power Gaochun Gas Thermal Power Plant Natural Gas Pipeline • Nanjing Dongyang - Yangfang Natural Gas Pipeline • Nanjing City Rim Road Natural Gas Pipeline • Nanjing Erqiao Highway Natural Gas Pipeline • Nanjing Jing'an - Dongyang Natural Gas Pipeline • Nanjing G205 Natural Gas Pipeline • Yaxi - Gaochun Natural Gas Pipeline • Shangdang - Hushu Natural Gas Pipeline • Hushu - Jiangning Natural Gas Pipeline • Nanjing Lvkou Airport Natural Gas Pipeline • Baima - Yongyang - Shiqi Natural Gas Pipeline • Jingqiao - Lishui Development Zone Natural Gas Pipeline • Baima - Honglan Natural Gas Pipeline • Shangdang - Dagang Natural Gas Pipeline • Shangdang - Jurong Natural Gas Pipeline • Dagang - Yangzhong Natural Gas Pipeline • Zhenjiang G312 Natural Gas Pipeline • Hushu - Guozhuang Natural Gas Pipeline • Jurong Eastern Natural Gas Pipeline • Shangdang - Danyang Natural Gas Pipeline • Picheng - Fangxian Natural Gas Pipeline • Danyang Towngas Emergency Gas Source Pipeline • Shatou - Xinminzhou Natural Gas Pipeline • Wuxi Natural Gas High Pressure Rim • Qingyang - Qianzhou - Qianqiao Natural Gas Pipeline • Wuxi S342 Natural Gas Pipeline • Hudai - Mashan Natural Gas Pipeline • East Xi-Li Canal - Wuxi West Rim Natural Gas Pipeline • Changzhou - Jiangyin Natural Gas Pipeline • Jiangyin Chengdong Natural Gas Pipeline • Jiangyin Furong Avenue Natural Gas Pipeline • Jiangyin Jintan Avenue Natural Gas Pipeline • Jiangyin Changshan Avenue Natural Gas Pipeline • Jiangyin Jiangyin Avenue Natural Gas Pipeline • Jiangyin Xiake Avenue Natural Gas Pipeline • Jiangyin Haigang Avenue Natural Gas Pipeline • Jiangyin Yugu Road Natural Gas Pipeline • Yixing City Gas Natural Gas Northern Line (Dingshu - Yicheng 1) • Yixing City Gas Natural Gas Northern Line (Dingshu - Yicheng 2) • Jintan - Guanlin Natural Gas Pipeline • Gaocheng - Yicheng Natural Gas Pipeline • Guanlin - Gaocheng Natural Gas Pipeline • Gaocheng - Zhoutie Natural Gas Pipeline • Dingshu - Zhoutie Natural Gas Pipeline • Xushe - Zhangzhu Natural Gas Pipeline • Yixing Xielian Gas Thermal Power Plant Natural Gas Pipeline • Sichuan-to-East China Pipeline Jiangsu Jintan - Wujin Branchline Yixing Xielian Gas Thermal Power Plant Pipeline • Qinglong - Chunjiang Natural Gas Pipeline • Chunjiang - Luoxi Natural Gas Pipeline • Luoxi - Xinzha Natural Gas Pipeline • Changzhou - Danyang Natural Gas Pipeline • Zhenglou - Wujin Natural Gas Pipeline • • • West East Gas Pipeline Jintan Underground Storage - Jintan Natural Gas Pipeline • Towngas Jintan Underground Storage - PetroChina Jintan Underground Storage Natural Gas Pipeline • Towngas Jintan Underground Storage - Sinopec Jintan Distribution Station Natural Gas Pipeline • Towngas Jintan Underground Storage - Sinopec Jintan Underground Storage Natural Gas Pipeline • Towngas Jintan Underground Storage - Zhixi Natural Gas Pipeline • Sichuan-to-East China Pipeline Nanjing Branchline and Sinopec Jintan Underground Storage's Connecting Line • Nandu - Liyang Natural Gas Pipeline • Nandu - Shangxing Natural Gas Pipeline • Sichuan-to-East China Pipeline Jiangsu Qishuyuan Power Plant Branchline • Dongqiao - Suzhou Wangting Power Plant Natural Gas Pipeline • West East Gas Luzhi - Luojing Natural Gas Pipeline • Jiangsu Huadian Kunshan Eastern Gas Thermal Power Plant Natural Gas Pipeline • Zhangjiagang - Changshu Natural Gas Pipeline • Sichuan-to-East China Pipeline Jiangsu Yu-Kun Branchline • Sichuan-to-East China Pipeline Jiangsu Yu-Tai Branchline • Sichuan-to-East China

Pipeline Jiangsu Wu-Kun Branchline • Wujiang - Changshu Natural Gas Pipeline • Suzhou Dongqiao - Beiqiao Natural Gas Pipeline • Dongqiao - Xiangcheng Natural Gas Pipeline • Luzhi - Chefang - Guoxiang Natural Gas Pipeline • Guoxiang - Longxiang Natural Gas Pipeline • Taihu Avenue - Longxiang Natural Gas Pipeline • Longxiang - Hengtang Natural Gas Pipeline • Luzhi - Shipai Natural Gas Pipeline • Dongqiao - Zhangjiagang Huaxing Power Plant Natural Gas Pipeline • Xieqiao - Xingang Natural Gas Pipeline • Taicang - Xingang Natural Gas Pipeline • Changshu 3rd Highway Rim Natural Gas Pipeline • Changshu S227 Natural Gas Pipeline • Changshu West Rim Natural Gas Pipeline • Taicang - Changshu Natural Gas Pipeline • Luhe - Changshu Economic Development Zone Natural Gas Pipeline • Luzhi - Zhangpu Natural Gas Pipeline • Kunshan Natural Gas High Pressure Pipeline Outer Rim • Kunshan - Taicang Natural Gas Pipeline • Dong - Jin Natural Gas Pipeline (Donglai - Jinfeng) • Zhangjiagang Gangfeng Road Natural Gas Pipeline • Zhangjiagang North No.2 Rim Natural Gas Pipeline • Zhangjiagang Gangcheng Road Natural Gas Pipeline • Zhangjiagang Fengtian Road Natural Gas Pipeline • Zhangjiagang G204 Natural Gas Pipeline • Zhangjiagang Yanjiang Highway Natural Gas Pipeline • Zhangjiagang - Jiangyin Natural Gas Connecting Line • Zhangjiagang Shugang Highway Natural Gas Pipeline • Songling - Shengze Natural Gas Pipeline • Shengze - Zhenze Natural Gas Pipeline • Wujiang East-West Highway Natural Gas Pipeline • Wujiang Natural Gas Pipeline • Wujiang Natural Gas Pipeline Datang Fenhu Gas Power Plant Branchline • Wujiang Natural Gas Pipeline Pingwang Gas Power Plant Branchline • Suzhou Shengze Gas Thermal Power Plant Natural Gas Pipeline • Huaneng Suzhou Gas Thermal Power Plant Natural Gas Pipeline • Pinghu Oil and Gasfield - Shanghai Onshore Natural Gas Pipeline • Shanghai East China Sea Natural Gas Pipeline Network • Baihe - Jiangqiao Natural Gas Pipeline • Liantang - Minhang Natural Gas Pipeline • Shanghai Suburb Highway Rim Pipeline Network • Shanghai Outer Highway Rim Pipeline Network • Jiuting - Qibao Natural Gas Pipeline • • • Shanghai Huayang - Huaxin Natural Gas Pipeline • Shanghai Chongming Island Natural Gas Pipeline • Shanghai Chongming - Changxing - Wuhaogou Natural Gas Pipeline • Shanghai Wuhaogou - Lin'gang Natural Gas Pipeline • Shanghai Lin'gang - Jinshan Chemical Industry Park Natural Gas Pipeline • Wuhaogou - Shanghai Highway Outer Rim Natural Gas Pipeline • Wuhaogou - Yinbin Road Natural Gas Pipeline • Anting - Luojing Natural Gas Pipeline • Luojing - Chongming Natural Gas Pipeline • Rudong - Haimen - Chongming Island Natural Gas Pipeline • Shanghai Qingpu Beiqing Road Natural Gas Pipeline • Shanghai Qingpu Songze Avenue Natural Gas Pipeline • Shanghai Qingpu Yingsong Road Natural Gas Pipeline • Shanghai Qingpu Waiqingsong Road Natural Gas Pipeline • Shanghai Qingpu Huijin Road Natural Gas Pipeline • Shanghai Qingpu Downtown - Zhujiajiao Natural Gas Pipeline • Shanghai Qingpu Liantang Gate Station Natural Gas Connecting Line • Shanghai Qingpu Liantang Natural Gas Pipeline • Shanghai Qingpu Jinze Natural Gas Pipeline • Shanghai Qingpu Zhengding Natural Gas Pipeline • Shanghai Qingpu Zhujiajiao - Xicen Natural Gas Pipeline • Shanghai Qingpu Laozhufeng Road Natural Gas Pipeline • Huadian Xinzhuan Industry Park Distributed Energy Station Natural Gas Pipeline • Chedun - Shanghai Minhang Power Plant GTCC Project Natural Gas Pipeline • Sinopec Shanghai Refinery Natural Gas Pipeline • Shanghai Chongming Gas Power Plant Natural Gas Pipeline • Hang - Hu Natural Gas Pipeline (Hangzhou - Huzhou) • Hang - Yong Natural Gas Pipeline (Hangzhou - Ningbo) • Hang - Jia Natural Gas Pipeline (Hangzhou - Jiaying) • Yong - Tai - Wen Natural Gas Pipeline (Ningbo - Taizhou - Wenzhou) • Jin - Li - Wen Natural Gas Pipeline (Jinhua - Lishui - Wenzhou) • Hu - Hang - Yong Natural Gas Pipeline 2 (Huzhou - Hangzhou - Ningbo) • Lin'an - Hangzhou Natural Gas Pipeline • Fu - Long - Li Natural Gas Pipeline (Fuyang - Longyou - Lishui) • Jiang - Sui - Yong Natural Gas Pipeline (Jiangshan - Suichang - Yongkang) • Shanyu - Xinchang Natural Gas Pipeline • Sanmen - Shengzhou Natural Gas Pipeline • Jin - Qu Natural Gas Pipeline (Jinhua - Quzhou) • ENN Zhoushan LNG Natural Gas Export Pipeline • Hang - Hu Natural Gas Pipeline Deqing Branchline • Hang - Jia Natural Gas Pipeline Anji Branchline • Hang - Jia Natural Gas Pipeline Nanxun Branchline • Hupo Anji Gas Power Plant Natural Gas Pipeline • Zhenheng Changxing Gas Power Plant Natural Gas Pipeline • Guodian Zhejiang Nanxun Gas Thermal Power Plant Natural Gas Pipeline • Hang - Hu Natural Gas Pipeline Huzhou Xisaishan Branchline • Nanxun Gas Distribution - Huzhou Gate Station (Sichuan Gas) Natural Gas Pipeline • Huzhou Gate Station (Sichuan Gas) - Balidian G318 Natural Gas Pipeline • Huzhou Gate Station (Sichuan Gas) - Lianshi Natural Gas Pipeline • Huzhou Gate Station (Sichuan Gas) - Shanlian Natural Gas Pipeline • Zhili - Nanxun Natural Gas Pipeline • Deqing Chengtou - Qianyuan Economic Development Zone Natural Gas Pipeline • Qianyuan - Leidian Natural Gas Pipeline • Deqing Xin'an High Pressure Natural Gas Pipeline • Deqing Zhongguan High Pressure Natural Gas Pipeline • Changxingnan - Hongxingqiao Natural Gas Pipeline • Hongxingqiao - Lincheng - Si'an Natural Gas Pipeline • Hongxingqiao - Changxing Natural Gas Pipeline • Anji Gate Station - Liangpeng Natural Gas Pipeline • Anji Gate Station - Chengxi Natural Gas Pipeline • Huzhou Nanxun Lanyuan CNG Mother Station Natural Gas Pipeline • Sichuan-to-East China Pipeline Jiaying - Xincheng Branchline • Deqing - Jiaying Natural Gas Pipeline • Jiaying - Jiashan Natural Gas Pipeline • Jiaying - Haiyan Natural Gas Pipeline • Jiaying - Haiyan Natural Gas Pipeline Pinghu Branchline • Jiaying - Haiyan Natural Gas Pipeline Jiaying Port Branchline • Jiaying S202 Natural Gas Pipeline • Zhe - Hu Natural Gas Connecting Line Phase 1 • Huaneng Tongxiang Gas Thermal Power Plant Natural Gas Pipeline • Tongxiang - Zhouquan Natural Gas Pipeline • Wutong - Tongxiang Baitao Natural Gas Pipeline • Gaoyang - Chongfu Baitao Natural Gas Pipeline • Tongxiang - Wuzhen Natural Gas Pipeline • Zhouquan - Heshan Natural Gas Pipeline • Heshan - Shimen Natural Gas Pipeline • Dudian - Tongxiang Baitao Natural Gas Pipeline • Xiasha - Haining Natural Gas Pipeline • Dudian - Haining Natural Gas Pipeline • Haining Xiayi - Jiashan Natural Gas Pipeline • Haining Natural Gas Pipeline Rim • Pinghu Natural Gas Phase 2 Pipeline • Haiyan County Natural Gas High Pressure Pipeline • Haiyan County East-West Avenue Natural Gas Pipeline • Jiashan Gate Station - T2 Station Natural Gas Pipeline • Jiashan T2 Station - T3 Station Natural Gas Pipeline • Qing - Yao Natural Gas Pipeline (Shanghai Qingpu - Jiashan Yaozhuang) • Jiashan County Ding - Yao - Hui Natural Gas Pipeline • Meixianqiao - Xiaoshan Gas Power Plant Natural Gas Pipeline • Hang - Hu Natural Gas Pipeline Banshan Branchline • Zhejiang Huadian Jiangdong Gas Power Plant Natural Gas Pipeline • Jiande - Chun'an Natural Gas Pipeline • Hangzhou Natural Gas S1 Pipeline (North Gate Station - Qiaosi) • Hangzhou Natural Gas S7-1 Pipeline (Jiandong Gate Station - Meixianqiao) • Hangzhou Natural Gas S7-2 Pipeline (South Gate Station - Meixianqiao) • Hangzhou Natural Gas S8 Pipeline (Suojian - Meixianqiao) • Hangzhou Natural Gas S9 Pipeline (Xijiang - Zhijiang) • Hangzhou Natural Gas S11 Pipeline (Shizhou - Binjiang) • Hangzhou Natural Gas S5 Pipeline (Qiaosi - Xiasha) • Hangzhou Natural Gas S10 Pipeline (Suojian - Binjiang) • Hangzhou Natural Gas S6 Pipeline (Xiasha - Jiangdong) • Hangzhou Natural Gas Pipeline Linping Branchline • Hangzhou Natural Gas Pipeline Lin'an Branchline • Hangzhou Natural Gas Pipeline Fuyang Branchline • Hangzhou Western Fuyang Natural Gas Pipeline • Hangzhou Natural Gas Pipeline Tognlu Branchline • Hangzhou Natural Gas Pipeline Jiande Branchline • Hangzhou Huadian Xiasha Gas Power Plant Natural Gas Pipeline • Hangzhou Dajiangdong Industry Zone Natural Gas Pipeline Phase 1 (Jiangdong - Qianjin) •

Hangzhou Dajiangdong Industry Zone Natural Gas Pipeline Phase 2 (Qianjin - Linjiangnan) • Hangzhou Dajiangdong Industry Zone Natural Gas Pipeline Phase 3 (Linjiangnan - Jiangdong) • Hangzhou Dajiangdong Industry Zone Natural Gas Pipeline LNG Terminal Branchline • Guali - Xiaoshan Natural Gas Pipeline • Guali - Kanshan Natural Gas Pipeline • Guali - Jiangdong Natural Gas Pipeline • Hangzhou Xiaoshan Hong 15 Road Natural Gas Pipeline • Hangzhou Xiaoshan Riverside Natural Gas Pipeline • Hangzhou Xiaoshan Jiangdong Avenue Natural Gas Pipeline • Hangzhou Yuhang City Gas Natural Gas Pipeline • Lin'an Dayuan Road Natural Gas Pipeline (Qingshan - Hengpan) • Lin'an Keji Avenue Natural Gas Pipeline • Shaoxing Coastal Industry Zone Natural Gas Pipeline • Ke - Pao Natural Gas Pipeline (Shaoxing Paojiang - Keqiao) • Ke - Pao Natural Gas Pipeline's Extension Line (Keqiao - Qianqing) • Shaoxing Yue - Dong Natural Gas Pipeline • Shaoxing Keqiao - Binhai Industry Zone Natural Gas Connecting Line • Yangxunqiao - Qianqing Natural Gas Pipeline • West East Gas Pipeline 2 Zhuiji Branchline • Baiguan Valve Station - Xiaoyue Town Natural Gas Pipeline • Shanyu Changhai Roadway Natural Gas Pipeline • Zhuiji Gate Station - Datang Natural Gas Pipeline • Zhuiji Datang - Zhaishan Natural Gas Pipeline • Zhuiji - Fengqiao Natural Gas Pipeline • Linpu - Diankou Natural Gas Pipeline • Datang Jiangbin Gas Thermal Power Plant Natural Gas Pipeline • Hang - Yong Natural Gas Pipeline Cixi Branchline (Yuyao - Cixi) • Zheneng Zhenhai Gas Thermal Power Plant Natural Gas Pipeline • Hang - Yong Natural Gas Pipeline Ningbo Kefeng Gas Thermal Power Plant Branchline • Beilun - Daxie Natural Gas Pipeline • Beilun - Zhenhai Natural Gas Pipeline 2 • Yong - Tai - Wen Natural Gas Pipeline Xiangshan Branchline • Zhejiang Ningbo LNG Pipeline • Ningbo Daxie Development Zone Island Rim Natural Gas Pipeline • Ningbo Highway Natural Gas Pipeline Rim North Line • Ningbo Highway Natural Gas Pipeline Rim West Line • Ningbo Highway Natural Gas Pipeline Rim East Line • Ningbo Highway Natural Gas Pipeline Rim South Line • Ningbo Binhai - Chunxiao Natural Gas Pipeline • Fangqiao - Fenghua Natural Gas Pipeline • Chunhu - Baidu Natural Gas Pipeline • Baidu - Fenghua Natural Gas Pipeline • Cixi - Hangzhou Bay New District Natural Gas Pipeline • Zhenhai - Cidong Natural Gas Pipeline • Cixi City Central Area Natural Gas High Pressure Pipeline (Henghe - Shengxin) • Yuyao Natural Gas Northwest Truckline • Shaoxing - Simen Natural Gas Pipeline • Yuyao Binhai New City Natural Gas Pipeline • Yuyao Liang - Zhou Road Natural Gas Pipeline • Yuyao G329 Second Road Natural Gas Pipeline • Yuyao S61 Natural Gas Pipeline • Yong - Tai - Wen Natural Gas Pipeline Ninghai - Dajin Connecting Line • Xiangshan County Natural Gas High Pressure Pipeline • Shuangyang - Daobei Natural Gas Pipeline • Liheng Jiaotou - Taimen Natural Gas Pipeline • Taizhou City Central Area High Pressure Natural Gas Northern Pipeline • Taizhou City Central Area High Pressure Natural Gas Southern Pipeline • Linhai - Xianju Natural Gas Pipeline • Yong - Tai - Wen Natural Gas Pipeline Sanmen Branchline • Wenling West Gate Station - Xinhe Natural Gas Pipeline • Wenling Xinhe - Songmen Natural Gas Pipeline • Yong - Tai - Wen Natural Gas Pipeline Yuhuan Connecting Line • Yong - Tai - Wen Natural Gas Pipeline Longwan Power Plant Branchline • Yong - Tai - Wen Natural Gas Pipeline Cangnan Branchline • Zhejiang Provincial Natural Gas Pipeline Network Wencheng Branchline • Wenzhou Natural Gas Eastern Pipeline (Dongxiang - Haicheng) • Wenzhou Natural Gas Ou Hai Avenue Pipeline • Wenzhou Natural Gas Xixiang - Guoxi Pipeline • Wenzhou Natural Gas Guoxi - Zhanxi Pipeline • Yong - Tai - Wen Natural Gas Pipeline Wenzhou - Xixiang Connecting Line • Rui'an Natural Gas Pipeline Phase 1 Section I • Rui'an Natural Gas Pipeline Phase 1 Section II (Dingsan - Tangxia) • Yongjiao Gate Station - Shangtang Natural Gas Pipeline • Yongjiao Gate Station - Oubei Natural Gas Pipeline • Pingyang County Ku - Ao Avenue Natural Gas Pipeline • Yong - Tai - Wen Natural Gas Pipeline Cangnan - Longgang Connecting Line • Sinopec Wenzhou LNG Terminal Pipeline • Jinhua Highway Rim Natural Gas Pipeline Phase 1 • Jinhua Highway Rim Natural Gas Pipeline Jindong Economic Development Zone Branchline • Jinhua Highway Rim Natural Gas Pipeline Jinxi Economic Development Zone Branchline • Jin - Li - Wen Natural Gas Pipeline Yiwu Branchline • Jin - Li - Wen Natural Gas Pipeline Pujiang Branchline • Jin - Li - Wen Natural Gas Pipeline Dongyang Branchline • Jin - Li - Wen Natural Gas Pipeline Jinhua Gas Power Plant Branchline • Jin - Li - Wen Natural Gas Pipeline Lanxi Branchline • Dongyang - Pan'an Natural Gas Pipeline • Zhenheng Jindong Gas Thermal Power Plant Natural Gas Pipeline • Yiwu Shangcheng Avenue Natural Gas Pipeline • Yiwu Sicheng Road Natural Gas Pipeline • Xiayan - Kecun Natural Gas Pipeline • Jin - Li - Wen Natural Gas Pipeline Wuyi Branchline • Jin - Li - Wen Natural Gas Pipeline Yongkang Branchline • Lanxi Gate Station - Lanxi ENN LNG Regasification Station Natural Gas Pipeline • Lanxi Danxi Avenue Natural Gas Pipeline • Lanxi - Huangdian, Nvbu Natural Gas Pipeline • Yongchang - Zhuge Natural Gas Pipeline • Jin - Li - Wen Natural Gas Pipeline Lishui Branchline • Zhejiang Provincial Natural Gas Pipeline Network Qingyuan Branchline • Fuling - Qibaiyang Natural Gas Pipeline • Jin - Li - Wen Natural Gas Pipeline Jinyun Branchline • Lanxi Gate Station - Lanxi Natural Gas Pipeline Longyou Branchline • Jin - Li - Wen Natural Gas Pipeline Jiangshan Branchline • Jin - Li - Wen Natural Gas Pipeline Changshan Branchline • Zhejiang Huadian Longyou Gas Power Plant Natural Gas Pipeline • Datang Jiangshan Gas Power Plant Natural Gas Pipeline • Quzhou Kecheng Gas Thermal Power Plant Natural Gas Pipeline • Hangbu - Quzhou High & Novel Technology Industry Zone Natural Gas Pipeline • Changshan - Kaihua Natural Gas Pipeline • Longyou Gas Distribution Station - Longyou Gate Station Natural Gas Pipeline • West East Gas Pipeline Dingyuan - Hefei Branchline • Anhui Natural Gas Huaibei Pipeline (Lixin - Huaibei) • Anhui Natural Gas Northern Yangtze River Connecting Line • Anhui Natural Gas Southern Yangtze River Connecting Line • Anhui Natural Gas Jiangbei Industrial Zone Pipeline • Anhui Natural Gas Jiangnan Industrial Zone Pipeline • Anhui Natural Gas Xuancheng - Ningguo - Huangshan Pipeline • Jiangsu Binhai LNG Natural Gas Pipeline Anhui Tianchang - Hefei Section • Huainan - Lixin SNG Pipeline • Huainan - Hefei SNG Pipeline • Ma'anshan Gate Station - Nanhuan Natural Gas Pipeline • Ma'anshan - Dangu Natural Gas Pipeline • Ma'anshan - Bowang Natural Gas Pipeline • Bowang - Xinshi - Danyang Natural Gas Pipeline • Anhui Natural Gas Li - Bo Pipeline (Lixin - Bozhou) • Anhui Natural Gas Lixin Initial Station - Lixin Natural Gas Pipeline • Anhui Natural Gas Huaibei Pipeline Mengcheng Branchline • Lixin Zhongtuan - Haite Gate Station Natural Gas Pipeline • Lixin Haite Gate Station - Dali Natural Gas Pipeline • Taihe - Bozhou Natural Gas Pipeline • Caocun - Suzhou Natural Gas Pipeline • Caocun - Xiaoxian Natural Gas Pipeline • Anhui Natural Gas Huaibei - Xiaoxian Pipeline • Anhui Natural Gas Fuyang Pipeline (Lixin - Fuyang) • Anhui Natural Gas Yingshang Pipeline (Lixin - Yingshang) • Anhui Natural Gas Lixin - Linquan Pipeline • West East Gas Pipeline 1 Jieshou Branchline • West East Gas Pipeline 1 Taihe Branchline • Anhui Natural Gas Bengbu Pipeline • Huaiyuan - Wuhe Natural Gas Pipeline • Bengbu Tongling Industry Park - Guzhen Industry Park Natural Gas Pipeline • Chuzhou - Lai'an Natural Gas Pipeline • Chuzhou - Quanjiang Natural Gas Pipeline • Dingyuan - Fengyang Natural Gas Pipeline • Tongcheng - Tianchang Natural Gas Pipeline • Tianchang - Chajian Natural Gas Pipeline • Tianchang - Qinlan Natural Gas Pipeline • Hexian - Quanjiang Natural Gas Pipeline • West East Gas Pipeline Dingyuan Underground Gas Storage Branchline • Dingyuan - Luqiao Natural Gas Pipeline • Dingyuan - Mingguang - Fengyang Natural Gas Pipeline • Anhui Natural Gas Hefei Central Base Pipeline • Anhui Natural Gas Northern Yangtze River Connecting Line Lujiang Branchline

• Sanshibu - Hefei Economic Development Zone Natural Gas Pipeline • Beizhang - Hefei Economic Development Zone Natural Gas Pipeline • Hefei Natural Gas City Rim Pipeline • Hefei - Lujiang Natural Gas Pipeline • Luqiao - Xiatang Natural Gas Pipeline • Xiatang - Xiaomiao Natural Gas Pipeline • Xiatang - Sanshibu Natural Gas Pipeline • Anhui Natural Gas Northern Yangtze River Connecting Line Feixi Branchline • Xiaomiao - Sanhe Natural Gas Pipeline • Sanshibu - Hefei Circular Economy Park Natural Gas Pipeline • Changfeng County Natural Gas Northern Pipeline • Fanchang County Natural Gas Pipeline • Wuhu - Wuhu County Natural Gas Pipeline • Anhui Natural Gas Jiangnan Industrial Zone Pipeline Nanling County Branchline • Anhui Natural Gas Pipeline Network Anqing Pipeline • Anhui Natural Gas Yueshan - Qianshan Pipeline • Anhui Natural Gas Yueshan - Zongyang Pipeline • Anhui Natural Gas Tongcheng - Zongyang Pipeline • Yueshan - Anqing Natural Gas Pipeline • Anhui Natural Gas Northern Yangtze River Connecting Line Huaining Branchline • Anhui Natural Gas Hefei - Chaohu Pipeline • Baiqiao - Chaohu Natural Gas Pipeline • Erba - Wuwei Natural Gas Pipeline • Anhui Natural Gas Feixi - Liu'an Pipeline • Anhui Natural Gas Liu'an - Huoshan Pipeline • Liu'an Gas Transfer Station - Liu'an Gate Station Natural Gas Pipeline • Lujiang - Liu'an Natural Gas Pipeline • Anhui Natural Gas Northern Yangtze River Connecting Line Shucheng Branchline • Yingshan - Huoqiu Natural Gas Pipeline • Anhui Natural Gas Chizhou Pipeline • Anhui Natural Gas Guanjing - Qingyang Pipeline • Yufeng - Dongzhi Natural Gas Pipeline • Anhui Natural Gas Wuhu - Tongling Pipeline • Tongling City Natural Gas Pipeline (South Gate Station - East Gate Station Section) • Anhui Natural Gas Xuancheng Pipeline • Anhui Natural Gas Guangde Pipeline • Anhui Natural Gas Nanling - Jingxian Pipeline • Guangde County Gate Station - Guangde Economic Development Zone Gas Station Natural Gas Pipeline • Guangde County Natural Gas Qiucun Branchline • Guangde County Natural Gas Xinhang Branchline (Qiucun - Xinhang) • Shizipu - Langxi Natural Gas Pipeline • Langxi Economic Development Zone - Xinfu Natural Gas Pipeline • Langxi - Taocheng Natural Gas Pipeline • Yixian County Gate Station - Yixian County Circular Economy Industry Park Natural Gas Pipeline • Jiujiang - Jingdezhen Natural Gas Pipeline • Jiujiang - Nanchang Natural Gas Pipeline • Nanchang - Xinyu Natural Gas Pipeline • Gao'an - Yingtan Natural Gas Pipeline • Yujiang - Jingdezhen Natural Gas Pipeline • Jiangxi Natural Gas Phase 2 Jishui - Fuzhou Pipeline • Jiangxi Natural Gas Phase 2 Ji'an - Yichun Pipeline • Jiujiang - Shahe Natural Gas Pipeline • Jiangxi Natural Gas Phase 1 Hukou - Jinshawan Branchline • Jiangxi Natural Gas Phase 1 Pipeline Cailling - Ducang Branchline • Jiangxi Natural Gas Phase 2 Jiujiang Branchline • Jiangxi Natural Gas Phase 2 Ruichang Branchline • Jiujiang West East Gas Pipeline • Ruichang West East Gas Pipeline • Yicheng - Matou Natural Gas Pipeline • Gongqingcheng - De'an Natural Gas Pipeline • Yanfang - Yongxiu Natural Gas Pipeline • Pengze - Penghuwan Industry Park Natural Gas Pipeline • Pengze - Jishan Industry Park Natural Gas Pipeline • Jingdezhen - Sanlong Ceramics Industrial Park Natural Gas Pipeline • Jiangxi Natural Gas Phase 2 North Nanchang Branchline • Jiangxi Natural Gas Phase 2 East Nanchang Branchline • West - East Pipeline 2 Maqiu Underground Storage Branchline • Nanchang Natural Gas Pipeline • Dongyang - Anyi Natural Gas Pipeline • Jiangxi Natural Gas Phase 1 Pipeline Fengcheng - Zhangshu Branchline • Jiangxi Natural Gas Phase 1 Pipeline Fengxin Branchline • Fengxin - Jing'an Natural Gas Pipeline • Jiangxi Natural Gas Phase 1 Pipeline Tiannan - Shanggao Branchline • Jiangxi Natural Gas Phase 1 Pipeline Shanggao - Wanzai Branchline • Jiangxi Natural Gas Phase 2 Dacheng - Gao'an - Xinjie Pipeline • Jiangxi Natural Gas Phase 2 Yichun - Wanzai Pipeline • Jiangxi Natural Gas Phase 2 Zhangshu Pipeline • Jiangxi Natural Gas Phase 2 Jing'an Pipeline • Gao'an - Jiangxi Construction Ceramics Base Natural Gas Pipeline • Gao'an Gas Station Phase 2 - Gao'an Natural Gas Pipeline • Shanggao - Huangjindui Natural Gas Pipeline • Shanggao - West Industrial Zone Natural Gas Pipeline • Jiangxi Fengcheng SNG Pipeline • West East Gas Pipeline Xinyu Transferring Station - Xinyu Natural Gas Pipeline • Jiangxi Natural Gas Phase 2 Fenyi Pipeline • Jiangxi Natural Gas Phase 2 Pingxiang - Shangli Pipeline • Jiangxi Natural Gas Phase 2 Pingxiang - Luxi Pipeline • Jiangxi Natural Gas Phase 2 Lianhua County Pipeline • Jiangxi Natural Gas Phase 2 Xiandong Pipeline • Nankeng - Shangbu - Luxi Natural Gas Pipeline • Luxi Natural Gas Pipeline (Luxi Gate Station - Luxi - Shangbu) • Jiangxi Natural Gas Phase 1 Fuhe - Fubei Branchline • Jiangxi Natural Gas Phase 1 Fuzhou - Nancheng - Lichuan Branchline • Fuzhou Gate Station - Fuzhou Natural Gas Pipeline • Huwei - Dongxiang Natural Gas Pipeline • Yingtai Natural Gas Pipeline • Guixi Industrial Park - Jiangxi Guixi Cooper Smelting Plant Natural Gas Pipeline • Jiangxi Natural Gas Phase 2 Pipeline Yingtan Branchline • Jiangxi Natural Gas Phase 1 Pipeline Lutian - Poyang Branchline • Jiangxi Natural Gas Phase 1 Pipeline Qingyun - Wannian Branchline • Jiangxi Natural Gas Phase 1 Pipeline Lutian - Dexing Branchline • Jiangxi Natural Gas Phase 1 Pipeline Huangjinbu - Yugan Branchline • West East Gas Pipeline 2 Nanchang - Shanghai Branchline No. 11 Valve Station - Qianshan Natural Gas Pipeline • Jiangxi Natural Gas Phase 2 Pipeline Qianshan Branchline • Jiangxi Natural Gas Phase 2 Pipeline Hengfeng Branchline • Jiangxi Natural Gas Phase 2 Pipeline Yiyang Branchline • West East Gas Pipeline 2 Nanchang - Shanghai Branchline No. 14 Valve Station - Guangfeng Natural Gas Pipeline • Xiangtun - Yincheng Natural Gas Pipeline • Xiangtun - Sizhou Natural Gas Pipeline • Yincheng - Huaqiao Natural Gas Pipeline • Jiangxi Natural Gas Phase 1 Pipeline Huangjinbu Branchline • Guangfeng Gate Station - Guangfeng Natural Gas Pipeline • Jiangxi Natural Gas Phase 2 Ji'an - Jishui Pipeline • Jiangxi Natural Gas Phase 2 Suichuan Branchline • Jiangxi Natural Gas Phase 2 Jinggongshan Pipeline • Jiangxi Natural Gas Phase 2 Anfu Pipeline • Jiangxi Natural Gas Phase 2 State Jinggongshan Economic and Technology Development Zone Pipeline • Ji'an CRC West-East Natural Gas Receiving Pipeline • Ji'an City - Ji'an County Natural Gas Pipeline • Ji'an City - Jishui County Natural Gas Pipeline • Ji'an County - Taihe County Natural Gas Pipeline • Jiangxi Natural Gas Phase 2 Ganzhou Branchline • Jiangxi Natural Gas Phase 2 Nankang Branchline • Jiangxi Natural Gas Phase 2 Shangyou Branchline • Jiangxi Natural Gas Phase 2 Ganzhou - Ganxian Pipeline • Jiangxi Natural Gas Phase 2 Dayu Branchline • Jiangxi Natural Gas Phase 2 Xinfeng Branchline • Jiangxi Natural Gas Yudu - Ningdu - Shicheng Branchline • Jiangxi Natural Gas Southern Ganzhou Branchline (Ruijin - Dayu) • Jiangxi Natural Gas Anyuan - Xunwu Branchline • Jiangxi Natural Gas Longnan - Quannan Branchline • Longnan County Fukang Industry Park - Jintang Industry Park Natural Gas Pipeline • Fujian LNG Pipeline Phase 1 • Fuzhou - Fuding Natural Gas Pipeline • Fuzhou - Sanming Natural Gas Pipeline • Zhangzhou - Longyan Natural Gas Pipeline • Zhangzhou - Zhao'an Natural Gas Pipeline • Longyan - Sanming Natural Gas Pipeline • West East Gas Pipeline 3 Longyan - Sanming - Jianyang Branchline • Jin - Zhang Natural Gas Pipeline (Jinhua - Zhangwan Industry Park) • Ningde - Xiapu Natural Gas Pipeline • Fuzhou Downtown Natural Gas Pipeline • Jingyang - Honglu Natural Gas Pipeline • Fuqing Niutouwei LNG Pipeline • West-East Pipeline 3 Pingtan Branchline • Fujian LNG Pipeline Jintang Gas Power Plant Branchline • Quanzhou - Dehua Natural Gas Pipeline • Cizao - Licheng Natural Gas Pipeline • Cizao - Jinjiang Natural Gas Pipeline • Jinjiang - Shishi Natural Gas Pipeline • Jinjiang - Zimao - Nan'an Natural Gas Pipeline • Fujian LNG Pipeline Fujian Refining & Petrochemical Company Branchline • Nan'an - Anxi Natural Gas Pipeline • Fujian LNG Pipeline Xiamen Eastern Gas Power Plant Branchline • Jimei - Dongfu Natural Gas Pipeline • Jimei - Dongfu Natural Gas Pipeline Xinglin

Branchline • Xiang'an - Tong'an Natural Gas Pipeline • Jimei - Xiamen Island Natural Gas Pipeline • Jimei - Tong'an Natural Gas Pipeline • Huadian Xiamen Jimei Distributed Energy Station Natural Gas Pipeline • Lantian - Jinfeng Natural Gas Pipeline • Lantian - Jiaomei Natural Gas Pipeline • Jiaomei - Changtai Natural Gas Pipeline • Lantian - Longhai Natural Gas Pipeline • Zhangzhou Longhai LNG Pipeline • Shizhong - Hongfang Natural Gas Pipeline • Longyan - Changting Natural Gas Pipeline • Guangdong Dapeng LNG Pipeline • Guangdong Dapeng LNG Foshan Branchline • West East Gas Pipeline 2 Guangzhou - Shenzhen Branchline • PetroChina Shenzhen LNG Terminal Natural Gas Export Pipeline • Guangdong Natural Gas Guangzhou - Huizhou Pipeline • Guangdong Natural Gas Guangzhou - Zhaoqing Pipeline • Zhuhai LNG Pipeline West Branchline (Pingpaishan - Gaoming) • Guangdong Natural Gas Gaoming - Zhaoqing Pipeline • Fengma - Liudong Natural Gas Pipeline (Zhongshan - Guangzhou Natural Gas Pipeline's Guangzhou Section) • Guangdong Natural Gas Zhaoqing - Yunfu - Luoding Pipeline • Guangdong Natural Gas Luoding - Xinyi - Gaozhou Pipeline • Guangdong Natural Gas Zhanjiang - Xuwen Pipeline • Guangdong Natural Gas Maoming - Gaozhou Pipeline • Guangdong Natural Gas Huizhou - Haifeng Pipeline • Guangdong Natural Gas Huizhou - Haifeng Pipeline Huizhou Power Plant Branchline • Guangdong Natural Gas Jieyang - Xingning Pipeline • Guangdong Natural Gas Lianping - Guangzhou Pipeline • Guangdong Natural Gas Lianping - Xingning Pipeline • Zhuhai - Zhongshan Natural Gas Pipeline • Zhuhai - Zhongshan Natural Gas Pipeline 2 • Hengmen - Sanjiao Natural Gas Pipeline (Zhongshan - Guangzhou Natural Gas Pipeline's Zhongshan Section) • Yuexi LNG Pipeline (Zhanjiang - Maoming - Yangjiang) • Yuedong LNG Pipeline • Sinopec Guangxi LNG Natural Gas Pipeline Yuexi Branchline (Zhakou - Maoming) • Guangdong Natural Gas Shaoguan Branchline • Guangdong Natural Gas Qingyuan Branchline • Qingyuan Yuantan Industry Park Natural Gas Pipeline • Towngas Qingyuan Gate Station - Shijiao Natural Gas Pipeline • Towngas Qingyuan Gate Station - Qingxin Natural Gas Pipeline • Qingxin - Foshan Chancheng (Qingxin) Industry Park Natural Gas Pipeline • Guangdong Dapeng LNG Zhujiang Power Plant Branchline • Guangdong Dapeng LNG Huangpu Power Plant Branchline • Guangdong Natural Gas Aotou - Guangzhou Natural Gas Pipeline • Guangzhou East Gate Station - South Gate Station Natural Gas Pipeline • Guangzhou East Gate Station - Taihe Natural Gas Pipeline • Guangzhou Taihe - Tianxin Natural Gas Pipeline • Guangzhou East Gate Station - Jishan Natural Gas Pipeline • Guangzhou South Gate Station - Xiaozhou Natural Gas Pipeline • Guangzhou Asian Games Village Project Natural Gas Pipeline (Huangge - Jinshi Road) • Beixing - Helong Reservoir Natural Gas Pipeline • Shitan Gate Station - Huocun Natural Gas Pipeline • Shitan Gate Station - Huocun Natural Gas Pipeline Xiexin Power Plant Branchline • Shitan Gate Station - Huocun Natural Gas Pipeline Zhucun Branchline • Shanhu Gate Station - Tianxin Natural Gas Pipeline • Shanhu Gate Station - Tianxin Natural Gas Pipeline Hengsha Branchline • Guangzhou Development Aotou Distributed Energy Station Natural Gas Pipeline • Guangzhou Development Baiyun Distributed Energy Station Natural Gas Pipeline • Guangzhou Development Guangzhou International Commodity Exhibition & Trade City Distributed Energy Station Natural Gas Pipeline • Guangzhou Development Guangzhou Airport Commercial Zone Distributed Energy Station Natural Gas Pipeline • Guangzhou Development Guangzhou Airport High & New Technology Zone Distributed Energy Station Natural Gas Pipeline • Guangzhou Development Xicun Distributed Energy Station Natural Gas Pipeline • Guangzhou Southern Railway Station Distributed Energy Station Natural Gas Pipeline • Zengcheng BAIC Motors Natural Gas Pipeline • Xiaokeng - Conghua Natural Gas Pipeline • Zhongxin Guangzhou Knowledge City Distributed Energy Station Natural Gas Pipeline • Guangzhou Jinshan - Guangzhou Wanbo CBD Distributed Energy Station Natural Gas Pipeline • Guangdong Natural Gas Dongguan Branchline • Dongguan Natural Gas Gate Stations Connecting Line • Dongguan Natural Gas Humen Pipeline • Dongguan Natural Gas Houjie Pipeline • Gaoshe - Mayong Natural Gas Pipeline • Xiegang - Gaoshe Natural Gas Pipeline • Guangdong Dapeng LNG Huizhou Power Plant Branchline • Guangdong Dapeng LNG Huizhou Branchline • Guangdong Dapeng LNG Pingshan - Qianwan Branchline • Guangdong Dapeng LNG Xili - Meishi Branchline • Shenzhen Natural Gas Pipeline A (Antuoshan - North Rim Road) • Shenzhen Natural Gas Pipeline B (Antuoshan - Luofang) • Shenzhen Natural Gas Pipeline C (Antuoshan - Nanyou) • Shenzhen Natural Gas Pipeline D (Bao'an Road - Qiuyuling) • Shenzhen Natural Gas Pipeline F (Dafapu - Yanchang) • Shenzhen Natural Gas Pipeline Central and Western Line (Qiuyuling - Antuoshan) • Shenzhen Natural Gas Pipeline Eastern Line • Shenzhen Natural Gas Baochang Power Plant Branchline • Shenzhen Natural Gas Yuhu Power Plant Branchline • Shenzhen Gas LNG Terminal Natural Gas Pipeline • Shenzhen Huadian Pingshan Distributed Energy Station Natural Gas Pipeline • Shenzhen Fuhuade Power Plant Natural Gas Pipeline • Shenzhen Diefu LNG Terminal - Diefu Gate Station Natural Gas Pipeline 2 • Diefu Gate Station and Fuhuade Power Plant Natural Gas Pipeline's Connecting Line • Shenzhen Diefu LNG - Shenzhen East Gas Power Plant Natural Gas Pipeline • Zhaoqing Asia Aluminum Natural Gas Pipeline • Zhaoqing Dawang - Zhaoqing Zhongyou LNG Plant Natural Gas Pipeline • Guangdong Datang Gaoyao Gas Power Plant Natural Gas Pipeline • Shuinan - Lubu Natural Gas Pipeline • Ma'an - Lubu Natural Gas Pipeline • Zhongdian Sihui Gas Thermal Power Plant Natural Gas Pipeline • Nanzhuang - Shishan - Xinan Natural Gas Pipeline • Nanzhuang - Xincheng - Beijiao Natural Gas Pipeline • Foshan Nanzhuang - Shakou Natural Gas Pipeline • Foshan Beijiao - Guicheng Natural Gas Pipeline • Foshan Lubao - Xinan Natural Gas Pipeline • Foshan Beijiao - Daliang Natural Gas Pipeline • Foshan Nanzhuang - Mingcheng Natural Gas Pipeline • Foshan Daliang Pressure Adjustment Station - Xingtian Natural Gas Pipeline • Foshan Dalian - Jun'an Natural Gas Pipeline • Foshan Southwest Pressure Adjustment Station - Xiqiao Natural Gas Pipeline • Foshan Sanshui Industry Park Natural Gas Pipeline (Lubao - Leping) • Mingcheng - Genglou Natural Gas Pipeline • Zhongshan Natural Gas Pipeline Phase 1 (Trial Section) • Zhongshan Chengqu - Guzhen Natural Gas Pipeline • Zhongshan - Foshan Natural Gas Pipeline • Zhongshan - Foshan Natural Gas Pipeline • Zhongshan - Foshan Natural Gas Pipeline Xiaolan Branchline • Kai - Min Natural Gas Pipeline (Huoju Industry Park - Minzhong) • Dong - Gang Natural Gas Pipeline (Dongsheng - Gangkou) • Xiao - Nan Natural Gas Pipeline (Xiaolan - Nantou) • Zhongshan Dongfeng - North Xiaolan Natural Gas Pipeline • Guodian Minzhong Gas Thermal Power Plant Natural Gas Pipeline • Zhuhai - Zhongshan Natural Gas Pipeline Hongwan Power Plant Branchline • Zhuhai - Zhongshan Natural Gas Pipeline Hengqin Power Plant Branchline • Zhuhai - Zhongshan Natural Gas Pipeline Lingang Branchline • Liwan Gasfield Onshore Natural Gas Pipeline • Liwan Gasfield Onshore Natural Gas Pipeline Ling'ang Branchline • Liwan Gasfield Onshore Natural Gas Pipeline Zhuhai Gas Thermal Power Plant Branchline • Zhuhai Nanping - Qianshan Natural Gas Pipeline • Zhuhai Yuhai Power Plant Natural Gas Pipeline • Zhongshan - Jiangmen Natural Gas Pipeline • Zhuhai LNG West Pipeline Jiangmen Station - Tangxia Natural Gas Pipeline • Tangxia - Jiangmen Natural Gas Pipeline • Guangdong Natural Gas Yangjiang - Yangchun Pipeline • Maoming LNG Pipeline • Yuedong LNG Puning Branchline • Jieyang - Jieyang Dananhai Petrochemical Industrial Park Natural Gas Pipeline • Jieyang - Jieyang Dananhai Petrochemical Industrial Park Natural Gas Pipeline Puning CRC Thermal Gas Power Plant Branchline • Chaozhou City

Natural Gas Pipeline • Yuedong LNG Chaoyang Branchline • Guangdong Natural Gas Haifeng - Shanwei Pipeline • Guangdong Natural Gas Jieyang - Meizhou Pipeline • West East Pipeline 3 Min-Yue Meizhou Branchline • Guangdong Natural Gas Huizhou - Heyuan Pipeline • Puqian - Daugres Ceramics Natural Gas Pipeline • Sinopec Guangxi LNG Natural Gas Pipeline Zhanjiang Gas Distribution Station - Zhanjiang Branchline • West East Pipeline 2 Guigang - Yulin Branchline • West East Pipeline 2 Nanning - Baise Branchline • West East Pipeline 2 Nanning - Chongzuo Branchline • Myanmar - China Natural Gas Pipeline Guilin Branchline • Myanmar - China Natural Gas Pipeline Qinzhou Branchline • Myanmar - China Natural Gas Pipeline Beihai Branchline • Myanmar - China Natural Gas Pipeline Fangchenggang Branchline • Sinopec Guangxi LNG Natural Gas Pipeline (Beihai - Liuzhou) • Guangxi Natural Gas Wuzhou Pipeline • Wuzhou City Imported Recycling Resources Process Industry Park Natural Gas Pipeline • Guangxi Natural Gas Hezhou Pipeline • Guangxi Natural Gas Guigang Pipeline • Guangxi Natural Gas Yulin Pipeline • Guangxi Natural Gas Yulin - Beiliu Branchline • Guangxi Natural Gas Bobai Pipeline • Guangxi Natural Gas Beiliu - Rongxian Branchline • Guangxi Natural Gas Shatian - Luchuan Branchline • Guangxi Natural Gas Nanning Pipeline • Nanning High Pressure Natural Gas Pipeline • Guangxi Natural Gas Hengxian Branchline • Guangxi Natural Gas Binyang Branchline • Guangxi Natural Gas Long'an - Wuming Branchline • Guangxi Natural Gas Laibing Pipeline • Guangxi Natural Gas Qinzhou Pipeline • Qinzhou Port Natural Gas Supply Line • Qinzhou Petrochemical Industry Park Natural Gas Supply Line • Guangxi Natural Gas Beihai Pipeline • Niuwailing - Beihai Natural Gas Pipeline • Qinzhou - Hepu Natural Gas Pipeline • Guangxi Natural Gas Fangchenggang Pipeline • Myanmar - China Natural Gas Pipeline Hechi Branchline • Guangxi Natural Gas Hechi Pipeline • Guangxi Natural Gas Yizhou Branchline • Sitang - Baise Natural Gas Pipeline • Guangxi Natural Gas Pingguo Branchline • Guangxi Natural Gas Tianyang Branchline • Guangxi Natural Gas Tiandong - Debao - Jingxi Branchline • Guangxi Natural Gas Liuzhou Pipeline • Guangxi Natural Gas Liujiang Pipeline • Guangxi Natural Gas Liucheng Branchline • Guangxi Natural Gas Luzhai Branchline • Sinopec Guangxi LNG Natural Gas Pipeline Liuzhou Branchline • Liuzhou City's Central Area High Pressure Natural Gas Pipeline • Liuzhou Xinyu Gate Station - Liuxi Natural Gas Pipeline • Guangxi Natural Gas Yongfu Branchline • Nanshan - Basuo Natural Gas Pipeline • Dongfang - Yangpu - Haikou Natural Gas Pipeline • Dongfang - Yangpu - Haikou Natural Gas Pipeline Yangpu Branchline • Haikou - Wenchang Natural Gas Pipeline • Haikou - Wenchang Natural Gas Pipeline Qinglan Power Plant Branchline • Haikou - Wenchang Natural Gas Pipeline Ding'an Branchline • Hainan LNG Terminal - Yangpu Natural Gas Pipeline • Yangpu - Zhanzhou Natural Gas Pipeline 2 • Zhanzhou - Laocheng Natural Gas Pipeline 2 • Yangpu - Hainan Refinery Natural Gas Pipeline • Wenchang - Sanya Natural Gas Pipeline • Dongfang - Yangpu - Haikou Natural Gas Pipeline Jinlin Rubber Plant Branchline • Jinlin Rubber Plant - Shilu Natural Gas Pipeline • Dongfang - Yangpu - Haikou Natural Gas Pipeline Danzhou City Binhai New Area Branchline • Huangliu - Dongfang Natural Gas Pipeline • Fushan Oilfield - Haikou Natural Gas Pipeline • Fushan Oilfield - Zhonghang Tebo Natural Gas Pipeline • Nanshan - Sanya Natural Gas Pipeline • Hengqin - Macao Natural Gas Pipeline • Yung-An LNG Terminal - Gangshan Natural Gas Pipeline • Gangshan - Guangdong Bridge Natural Gas Pipeline • Gangshan - Linyuan Natural Gas Pipeline • Hsinchu - Badu Natural Gas Pipeline • Tung-Hsiao - Badu Natural Gas Pipeline • Hsinchu - Nankan Natural Gas Pipeline • Taipei Rim Natural Gas Pipeline • Nankan - Kuo Kuang Power Plant Natural Gas Pipeline • Nankan - Ever Power Plant - Datan Natural Gas Pipeline • Chuhuangkeng Oil & Gasfield - Chung-Ping Natural Gas Pipeline • Changhua - Changbin Gas Power Plant Natural Gas Pipeline • Fengshan - Ping-tung Natural Gas Pipeline • Linyuan - Dalin Natural Gas Pipeline • Daliao - Dalin Natural Gas Pipeline • Jinzhou 20-2 - Jinxi Subsea Natural Gas Pipeline • JZ25-1 - JZ20-2 Subsea Natural Gas Pipeline • JZ25-1S - JZ25-1 Subsea Natural Gas Pipeline • JZ25-1S - Yingkou Subsea Natural Gas Pipeline • JX1-1 - JZ25-1S Subsea Oil and Gas Pipeline • LD5-2 - SZ36-1 Subsea Oil and Gas Pipeline • QHD33-1 WHP - QHD32-6 WHPC Subsea Oil and Gas Pipeline • QK18-1 - Tianjin Tanggu Subsea Natural Gas Pipeline • QK18-1 - Nangang Oil and Gas Treatment Plant Natural Gas Pipeline • QK17-2 - QK18-1 Subsea Oil and Gas Pipeline • QK17-3 - QK18-1 Subsea Oil and Gas Pipeline • BZ28-1 Oilfield - Longkou Subsea Natural Gas Pipeline • BZ28-1S - BZ28-1 SPM Subsea Oil and Gas Pipeline • BZ28-1N - BZ28-1 SPM Subsea Oil and Gas Pipeline • BZ28-2S CEP - BZ28-1 SPM Subsea Natural Gas Pipeline • BZ28-2SCEP - BZ28-2 SPM Subsea Natural Gas Pipeline • BZ29-4A - BZ28-2S Subsea Oil and Gas Pipeline • BZ29-4 WHPB - BZ28-2S CEP Subsea Oil and Gas Pipeline • BZ34-1 WHPC - BZ28-2S CEP Subsea Oil and Gas Pipeline • BZ34-3 Oilfield - BZ34-2 Oilfield Subsea Oil and Gas Pipeline • BZ34-5 Oilfield - BZ34-4 Oilfield Subsea Oil and Gas Pipeline • BZ26-2 WHPA - BZ28-1 SPM Subsea Oil and Gas Pipeline • BZ26-3 WHPA - BZ26-2 WHPA Subsea Oil and Gas Pipeline • BZ19-4 Oilfield - BZ25-1 Oilfield Subsea Oil and Gas Pipeline • BZ25-1 WHPD - BZ26-3 WHPA Subsea Oil and Gas Pipeline • BZ13-1 - BZ26-2 WHPA Subsea Oil and Gas Pipeline • CFD18-1 Oilfield - CFD18-2 Oilfield Subsea Oil and Gas Pipeline • CFD18-2 Oilfield - BZ13-1 Oilfield Subsea Oil and Gas Pipeline • CFD11-6/12-1S WHPD - CFD11-6/12-1S SPM Subsea Oil and Gas Pipeline • BZ28-1 Oilfield - QK18-1 Oilfield Subsea Natural Gas Pipeline • BZ28-1 Oilfield - QK18-1 Oilfield Subsea Natural Gas Pipeline Chengbei Oilfield Branchline • PL19-3 Oilfield Natural Gas Export Pipeline • CFD11-6 Oilfield Natural Gas Export Pipeline • BZ28-2 BOP - BZ35-2 CEPA Subsea Natural Gas Pipeline • BZ29-4 WHPC - BZ35-2 CEPA Subsea Oil and Gas Pipeline • BZ35-2 CEPA - KL3-2 CEPA Subsea Oil and Gas Pipeline • BZ35-2 CEPA - KL10-1 CEP Subsea Natural Gas Pipeline • KL10-1 WHPA - KL10-1 CEP Subsea Oil and Gas Pipeline • Nanpu Oilfield No.1 Block - Nanpu Oilfield Process Plant Subsea Oil and Gas Pipeline • Nanpu Oilfield No.2 Block - Nanpu Oilfield Process Plant Subsea Oil and Gas Pipeline • Zhaodong Oilfield - Chenghai 1-1 Subsea Natural Gas Pipeline • Chenghai Oilfield Block 1 Subsea Natural Gas Gathering Pipeline • Chenghai Oilfield Block 2 Subsea Natural Gas Gathering Pipeline • CBG4 - No.2 CEP Subsea Oil and Gas Pipeline • No.2 CEP - CGB4 - Haiyang Oil Recovery Plant No.3 Station Subsea Natural Gas Pipeline • CB30A - Haiyang Oil Recovery Plant No.1 Station Subsea Oil and Gas Pipeline • ZH104 - Haiyang Oil Recovery Plant No.1 Station Subsea Oil and Gas Pipeline • KD34A - Gudong Oilfield Subsea Oil and Gas Pipeline • Bajiaoting Gasfield - Pinghu DPP Subsea Natural Gas Pipeline • Chunxiao Gasfield - Ningbo Subsea Natural Gas Pipeline • CX WHPA - CHX CEP Subsea Natural Gas Pipeline • CHX WHPA - CHX CEP Subsea Natural Gas Pipeline • TWT WHPA - CHX CEP Subsea Natural Gas Pipeline • Duanqiao Gasfield - CHX CEP Subsea Natural Gas Pipeline • TJT WHPA - BYT WHPA Subsea Natural Gas Pipeline • BYT WHPA - HY1-1 CEP Subsea Natural Gas Pipeline • SHX36-5 WHPA - HY1-1 CEP Subsea Natural Gas Pipeline • HY1-1 CEP - CHX CEP Subsea Natural Gas Pipeline • HY1-1 CEP - PH DPP Subsea Natural Gas Pipeline • HY2-2 WHPA - HY1-1 CEP Subsea Natural Gas Pipeline • HY7-1N - HY7-1 Subsea Natural Gas Pipeline • KQT-WHPA - BYT WHPA Subsea Natural Gas Pipeline • KQT-WHPB - KQT-WHPA Subsea Natural Gas Pipeline • Shanghai LNG Subsea Pipeline • LS36-1CEP - Niyu Island Treatment Plant Subsea Oil and Gas Pipeline • Niyu Island Treatment Plant - Lantian Subsea Natural Gas Pipeline • Yung-An - Tung-Hsiao

Subsea Natural Gas Pipeline • Taichung - Tung-Hsiao - Datan Subsea Natural Gas Pipeline • PY30-1 Gasfield - HZ21-1 Oil & Gasfield Subsea Oil and Gas Pipeline • LH19-5 Gasfield - PY30-1 Gasfield Subsea Oil and Gas Pipeline • HZ32-2 Oilfield - HZ26-1 Oilfield Subsea Natural Gas Pipeline • HZ26-1 Oilfield - HZ21-1 Oilfield Subsea Natural Gas Pipeline • LW3-1SWH - Zhuhai Gaolan Island Gas Treatment Plant Subsea Natural Gas Pipeline • LW3-1 PLEM - LW3-1 SWH Subsea Natural Gas Pipeline • LW3-1 PLEM - LW3-1 SWH Subsea Natural Gas Pipeline 2 • PY34-1 CEP - LW3-1 SWH Subsea Natural Gas Pipeline • PY35-1 Gasfield - PY34-1 CEP Subsea Oil and Gas Pipeline • PY35-2 Gasfield - PY34-1 CEP Subsea Oil and Gas Pipeline • LH29-1 Gasfield - LW3-1 SWH Subsea Natural Gas Pipeline • Weizhou Oilfield Subsea Gas Gathering Pipelines • WZ12-1 Oilfield - Weizhou Island Oil and Gas Treatment Plant Subsea Natural Gas Pipeline • WC10-3SWH - WC9-2/9-3CEP Subsea Oil and Gas Pipeline • Yacheng 13-1 Gasfield - Hongkong Subsea Natural Gas Pipeline WC9-2/9-3/10-3 Fields Branchline • Yacheng 13-1 Gasfield - Sanya Subsea Natural Gas Pipeline • Yacheng 13-1 Gasfield - Hongkong Subsea Natural Gas Pipeline • Yacheng 13-1 Gasfield - Hongkong Subsea Natural Gas Pipeline Gaolan Island Branchline • Yacheng 13-4 Gasfield - Yacheng 13-1 Gasfield Subsea Natural Gas Pipeline • Dongfang 1-1 Gasfield - Dongfang Gas Treatment Plant Subsea Oil and Gas Pipeline • DF13-2 CEPB - YC13-1 AWA Subsea Natural Gas Pipeline • Dongfang 29-1 Gasfield - DF13-2 CEPB Subsea Natural Gas Pipeline • Lingtou 1-1 Gasfield - Dongfang 1-1 Gasfield Subsea Natural Gas Pipeline • Ledong Gasfield Subsea Gathering Pipelines • Ledong 22-1 Gasfield - Huangliu Subsea Natural Gas Pipeline • Shenzhen Chengtuojiang - Hong Kong Lamma Power Station Subsea Natural Gas Pipeline • South Soko Island - Hong Kong Lamma Power Station Subsea Natural Gas Pipeline • Shenzhen Chengtuojiang - Hong Kong Tai Po Gas Production Plant Subsea Natural Gas Pipeline • West East Pipeline 2 Hong Kong Branchline • Macao LNG Terminal - Macao Subsea Natural Gas Pipeline • Macao LNG Terminal - South Soko Island Subsea Natural Gas Pipeline • South Soko Island - Black Point Subsea Natural Gas Pipeline • Kara Bulak Gasfield - Maykapchigay Natural Gas Pipeline