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Shandong: In 2022, the scale of the province's electricity market will be about 3800 billion kWh

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Notice on doing a good job in the province's electricity market trading in 2022

Municipal Development and Reform Commission (Energy Bureau), Provincial Social Credit Center, State Grid Shandong Electric Power Company, Huaneng Shandong Power Generation Company, Huadian Group Shandong Company, National Energy Group Shandong Company, Datang Shandong Power Generation Company, State Power Investment Group Shandong Branch, China Resources Power North China Region, Shandong Nuclear Power Co., Ltd., Shandong Electric Power Trading Center, relevant enterprises:

In order to implement the state's decision-making and deployment on the market-oriented reform of electricity, in accordance with the relevant work requirements of the provincial party committee and the provincial government, and in accordance with the spirit of the Notice of the National Development and Reform Commission on Further Deepening the Market-oriented Reform of Coal-fired Power Generation On-grid Tariffs (Fa Gai Price [2021] No. 1439) and the Notice on Organizing and Carrying out Matters Related to Agency Power Purchasing by Power Grid Enterprises (Fa Gai Ban Price [2021] No. 809), based on the actual conditions of our province, The notice on the relevant work of the province's electricity market trading in 2022 is as follows:

First, the scale of market transactions

Implement the national requirements on orderly promoting all industrial and commercial users to enter the electricity market, and the scale of the province's electricity market will be about 2022 billion kWh in 3800, including direct participation in market transactions and power grid enterprises purchasing electricity on behalf of power grids.

2. Market entities

(1) Power generation side

All coal-fired generating units that meet market access conditions participate in the electricity market. Coal-fired generator sets, new energy, independent auxiliary service providers, etc. participate in electricity market transactions in accordance with the trading rules of the electricity market of Shandong Province.

(2) User side

Fully liberalize the participation of industrial and commercial electricity users in electricity market transactions. Users can directly participate in market transactions as wholesale users, or they can be represented by electricity sales companies and directly participate in market transactions as retail users; Electricity users who have not directly participated in the market for the time being shall be represented by the State Grid Shandong Electric Power Company to participate in the market power purchase, specifically in accordance with the Notice of the Development and Reform

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Commission of Shandong Province on Printing and Distributing the "Guidelines for Agency Power Purchase by Power Grid Enterprises in Shandong Province (Trial)" (Lufa Gai Price [2021] No. 985).

Where high-energy-consuming enterprises participate in market transactions, the trading electricity price is not subject to the 20% increase, and the national provisions shall be implemented in accordance with the national regulations. Users with high energy consumption who have directly participated in market transactions shall not withdraw from market transactions; Those who have not directly participated in market transactions should, in principle, directly participate in market transactions; For the time being, power grid enterprises shall purchase electricity as agents, and the electricity consumption price shall be composed of 1.5 times the power purchase price of the power grid enterprises, transmission and distribution prices, government funds and surcharges.

(3) Electricity sales side

Electricity sales companies that meet the requirements of the Notice of the National Development and Reform Commission and the National Energy Administration on Printing and Distributing the Administrative Measures for Electricity Sales Companies (Fa Reform and Reform Regulation [2021] No. 1595), register with the power trading institution and pay the performance guarantee (insurance) as required, can participate in the Shandong electricity market transaction.

3. Transaction Arrangement

In accordance with the relevant requirements of the state on accelerating the construction of the electricity spot market, from January 2022, 1, the Shandong electricity spot market has entered the trial operation of long-term continuous settlement, and a dynamic adjustment mechanism for market plans, rules and parameters has been established in accordance with the method of "running, improving and improving", and synchronously improving the technical support system. If the market encounters major risks and the spot market cannot continue to operate, the trial operation of the spot market settlement will be suspended after consultation and study by the Provincial Development and Reform Commission, the Provincial Energy Bureau, and the Shandong Energy Regulatory Office and the approval according to the procedures. In principle, trading will not be arranged to stop within the month, and the transaction and settlement will be converted to non-spot mode according to the situation, and the trial operation of spot settlement will be entered after the risk is lifted.

(一) 中长期交易

1.中长期交易按照季度交易、月度交易和多日交易进行组织，售电公司（批发用户）原则上应签订不低于总代理电量（总用电量）90%的中长期合同。季度交易、月度交易、多日交易分解到日的交易电量，按分时曲线累加后，形成相应市场主体的中长期电力交易合约，作为结算依据。中长期交易结果适用于现货市场结算和非现货市场临时结算。

2.鼓励中长期交易根据电力供需形势和一次能源价格波动情况，建立“利益共享、风险共担”的合作机制。中长期合同锁定签约电量后，可明确价格、曲线形成或动态调整机制。双方协商一致后，可每月调整季度双边协商分月电量的曲线、价格。

3.参与中长期交易的发电机组，电量价格在“基准价+上下浮动”范围内形成，具体上下浮动范围由市场主体自主协商。山东燃煤发电基准价按照每千瓦时0.3949元（含税，下同）标准执行，最高价格为0.4739元（上浮20%），最低价格为0.3159元（下浮20%）。

4.为保障民生采暖需求、推动淘汰落后产能、鼓励发展储能示范项目，并做好与电力市场的衔接，“以热定电”保量议价电量、关停机组补偿电量、储能示范项目奖励电量均以市场化方式予以落实，原则上保量议价电量转化为差价合约进行偏差结算，具体落实方式另行发文通知。

（二）零售交易

1.零售用户。零售合同直接在电力交易平台签订。电网企业代理购电用户可在交易平台完成注册后，选择在每季度最后15日前通过电力批发市场或零售市场直接参与次月电力市场交易，其中选择电力批发市场购电的用户，应提交《电力批发用户参与山东省电力现货市场承诺书》；选择零售市场购电的用户，应与售电公司在线完成零售合同签订或通过交易平台向售电公司发起邀约。已直接参与市场交易（不含已在电力交易平台注册但未曾参与电力市场交易）在无正当理由情况下改由电网企业代理购电的用户，拥有燃煤发电自备电厂、由电网企业代理购电的用户，用电价格由电网企业代理购电价格的1.5倍、输配电价、政府性基金及附加等组成。

2.零售合同。零售合同可以月度、季度或年度为周期签订。售电公司与零售用户双方协商一致后，可按月更换零售合同（套餐）。售电公司应统筹考虑零售用户的用电特性制定差异化零售套餐，约定用电曲线及相应的偏差处理机制，引导用户削峰填谷，鼓励用户消纳新能源。各参与山东电力市场的售电公司应至少发布两种以上不同类型场内零售套餐。

3.2021年12月25日前市场主体完成2022年1月份零售合同签订。已直接参与市场交易（不含已在电力交易平台注册但未曾参与电力市场交易）的用户12月15日前未向山东电力交易中心申请转由电网代理购电、且12月25日前未签订零售套餐的市场用户，视为批发用户自主参与电力现货市场。

4.零售侧临时结算机制。零售合同应考虑非现货模式下的电能量价格等事项，各售电公司须发布一款固定价格类临时结算零售套餐，作为现货市场中止等应急情况下的零售结算依据。零售用户暂未与售电公司达成更换零售套餐协议的，默认按照临时结算套餐执行。

四、跨省区电力直接交易

2022年，直流通道配套煤电机组在山东电力交易中心交易平台进行市场注册后，可全电量参与山东月度及以上电力市场。

（一）直接交易。积极推动放开直流通道配套电源参与省内直接交易，不断扩大跨省区直接交易规模。其中，暂定参加银东直流跨省区交易用户，年用电量5亿千瓦时及以上的，跨省区交易电量不得超过2亿千瓦时；年用电量5亿千瓦时以下的，每月跨省区交易电量不得高于当月总交易电量的40%。售电公司代理用户参加银东直流交易的，每月跨省区交易电量不得高于当月全部交易电量的40%，不得超过代理银东直流用户可交易限额。跨省区直接交易规模扩大，以最新通知为准。

（二）取消个别市场主体参与银东直流交易资格。按照《关于做好2021年全省电力市场交易有关工作的通知》（鲁发改能源〔2020〕1342号）要求，部分电力用户（售电公司）累计2个月跨省区交易电量高于全部用电量的40%，取消其2022年参与银东直流交易资格，具体名单另行下发。

（三）直流配套煤电机组送山东电量（除直接交易电量外），与省内机组同等参与省内交易，交易结果推送北京电力交易中心。开展现货市场结算试运行时期，配套煤电机组送山东交

易电量按照交易曲线分解。

（四）直接交易以外的省外来电由政府部门授权或同意后由电网企业统一采购，优先用于匹配居民、农业用电等保障性电量。

五、电网代购电、保障性购电

（一）2022年1月起，电网企业通过参与场内集中交易方式（不含撮合交易）代购电，代购电量全部以报量不报价方式、作为价格接受者参与市场出清，其中采取挂牌交易方式的，价格按当月月度集中竞价交易加权平均价格确定。

（二）未参与市场交易的可再生能源（省内、省外）、核电、小水电、三余机组等电量，按价格由低到高优先匹配居民、农业用电等保障性电量。如存在电量缺口，由电网企业通过市场化方式采购予以保障。

六、有关要求

（一）做好市场交易组织衔接。国网山东省电力公司、山东电力交易中心要提前明确市场注册、交易组织、结果发布等各项工作的时间节点，及时发布交易公告、跨省区电力交易电量和电价等相关信息，确保各项交易顺利衔接，2021年12月15日前，完成2022年1月直接参与市场用户的信息确认工作；按电力市场规则有序组织中长期交易,交易时间安排详见交易公告。

（二）增强市场风险防范意识。售电公司、电力用户应加强市场风险分析研判，充分认识电力供需形势、一次能源价格波动对电力市场运行的影响，制定合理的报价策略。发生法律纠纷的，由相关市场主体通过法律程序进行维权，被列入失信联合惩戒对象名单的，通过信用信息平台公布相关信息。

（三）加强售电侧管理。请山东电力交易中心按照《国家发展改革委 国家能源局关于印发<售电公司管理办法>的通知》（发改体改规〔2021〕1595号）要求，开展售电公司注册合规审查、完善履约保函（保险）管理制度和信用监管，做好售电公司动态管理、规范运营管理和风险管理等工作。

（四）提高市场服务水平。国网山东省电力公司、山东电力交易中心要加强专业队伍建设，完善技术支持系统，不断提升市场运营能力和服务水平；健全信息发布机制，完善信息发布内容，实现信息资源共享；加强交易风险防控，及时发布市场主体履约市场风险提示，公开透明规范高效地为市场主体提供交易服务。

联系人：省发展改革委 史华南、纪涛，0531-51785702、51783330；省能源局 孙伟，0531-51763682；山东能源监管办 贾芳，0531-67800967。

山东省发展和改革委员会

山东省能源局

国家能源局山东监管办公室

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