

新乡市人民政府办公室文件

新政办〔2022〕10号

新乡市人民政府办公室 关于加快新乡市新能源汽车相关产业发展的 实施意见

各县（市）、区人民政府，市人民政府有关部门：

为贯彻落实《河南省人民政府办公厅关于印发河南省加快新能源汽车产业发展实施方案的通知》（豫政办〔2021〕67号），推进实现碳达峰、碳中和目标，加快我市新能源汽车相关产业发展，经市政府同意，现提出如下实施意见，请认真贯彻落实。

一、总体要求

（一）指导思想

以习近平新时代中国特色社会主义思想为指导，把握新时代推动中部地区高质量发展、黄河流域生态保护和高质量发展等战

略机遇，全面贯彻国家、省新能源汽车产业发展战略部署，优化产业布局，强化创新驱动，加强市场培育，完善基础设施，扩大产业规模，积极融入、服务新发展格局，加快提升产业基础能力和产业链现代化水平。

（二）发展目标

——电池产业实现稳步发展。到 2025 年，全市新能源电池产业创新体系日益完善，产业链相关产品国内领先，新型电池及相关材料体系研发及产业化取得突破性进展，规上企业营业收入达到 150 亿元，力争在引进新能源整车方面取得突破。

——公共领域实现绿色交通。到 2025 年，除应急车辆外，全市公交车、巡游出租车和城市建成区的载货汽车（含渣土运输车、水泥罐车、物流车，下同）、邮政用车、市政环卫车辆、网约出租车基本使用新能源汽车，重型载货车辆、工程车辆新能源汽车渗透率明显提升。

——基础设施保障水平持续提升。到 2025 年，全市充换电技术水平大幅提升，智能化、信息化运营体系基本建成。充换电设施规模、运营质量和服务便利性显著提升。充换电站、充电桩、加氢站数量满足本市新能源汽车使用需求，布局更加合理，实现重点应用区域全覆盖。

二、主要任务

（一）积极发展动力电池产业。以骨干企业和研发机构为依托，加快推动电池正负极、隔膜、电解质、电池管理系统等技术

进步，加强高强度、轻量化、高安全、低成本、长寿命的锂电池、钠电池和燃料电池系统技术攻关，通过龙头企业培育和重大项目建设，提升产业发展水平。加快石墨烯负极、纳米硅负极等电池关键材料和固态动力电池、锂硫电池等新型技术研发及产业化，实现产业的换道超车。（责任单位：牧野区、凤泉区政府，市工信局、科技局）

（二）加快氢燃料电池产业布局。配合做好国家燃料电池汽车示范应用郑州城市群建设，支持重点企业和研发机构加快氢燃料电池电堆、动力系统、电驱动系统等研发应用，推动氢燃料电池核心关键技术突破、核心零部件产业化，逐步形成氢燃料电池产业链。（责任单位：高新区管委会，市财政局、工信局、科技局、发改委）

（三）加大氢能产业发展力度。以国家燃料电池汽车示范应用郑州城市群为牵引，鼓励重点企业、研发机构联合高校，加快攻克绿色制氢、氢能储运、加氢站、车载储氢等应用支撑技术并实现产业化，鼓励利用风电、光电、生物质等进行绿色制氢，支持发展氢气制备、氢气储运加注装备，促进氢能产业与新能源汽车产业融合发展。（责任单位：市发改委、工信局、科技局、财政局）

（四）加大产业链企业引培力度。瞄准新能源汽车产业链条，针对短板弱项，强化招商引资力度，重点引进培育高品质电芯、燃料电池电堆及系统、驱动电机、电机控制器、汽车传感器、汽

车芯片、车载电子、汽车智能网联系统等配套企业和重大项目。支持汽车零部件骨干企业加快发展适用新能源汽车的产品，进一步完善产业链、提升竞争力。依托新乡电池、汽车零部件产业基础和市场需求，结合国家《汽车产业投资管理规定》及河南省的实际情况，瞄准行业龙头，以平原示范区为载体，争取在引进新能源整车方面取得突破。对于新能源汽车相关产业重点招引项目，按照“项目寄养”“飞地经济”的模式，根据主导产业情况，统筹安排牧野区、凤泉区、高新区、经开区、平原示范区承接。（责任单位：牧野区、凤泉区政府，高新区、经开区、平原示范区管委会，市商务局、工信局、科技局、发改委）

（五）提升创新研发能力。加快构建产业链上下游、大中小企业融通创新机制，推动建立产业研究院、创新联盟、创新联合体等。积极创建国家级、省级制造业创新中心、企业技术中心、技术创新中心、工程技术（研究）中心，加快提升企业自主创新能力。推动企业、高校、科研院所、检测机构加强合作，共同开展关键共性技术研发，建设研发公共服务平台。开展先进模块动力电池与燃料电池系统技术研究，鼓励企业承担氢燃料电池汽车领域国家重点科研项目。（责任单位：市科技局、财政局、发改委、工信局）

（六）培育创新型领军企业。鼓励骨干企业加大研发投入，集聚高端研发人才，提高产品技术水平和竞争力，在电池材料、电芯、燃料电池、转向器、制动器、汽车空调、汽车管路等细分

行业领域，重点培育一批创新型领军企业。加大品牌企业培育力度，建立动态调整机制，提升品牌影响力。（责任单位：市科技局、工信局、发改委、财政局）

（七）加快充换电设施建设。科学规划、布局充换电基础设施，重点推进居民区自用充电桩及公共机构、企业、产业园区、景区停车场、专用停车场充换电设施建设，加快干线公路服务区快速充电设施布局，积极推进公共领域停车场集中式充换电设施建设，有序推进农村充换电设施建设。为社会公众车辆提供充换电服务的经营性充电基础设施，要接入政府公益性充电服务平台，并向省级平台和相关管理部门开放数据，提供实时运行信息。

（责任单位：各县〔市、区〕政府、管委会，市发改委、住建局、交通运输局、文旅局、市场监管局、机关事务中心、资源规划局）

（八）有序推进加氢设施建设。做好加氢站规划布局，完善加氢站建设及运营管理机制，制定加氢站建设审批监管细则和专项规划。支持利用现有场地和设施建设油、气、氢、电综合能源补给场站，利用已取得合法用地手续的加油（气）站土地建设的，在符合国家相关规范和安全条件的前提下，免于办理规划选址、用地等手续。对列入规划、独立占地的加氢站优先安排项目用地。探索建设氢燃料运输管道、发展固态储氢技术，逐步降低氢燃料储运成本，满足氢燃料电池汽车示范运营需求。（责任单位：各县〔市、区〕政府、管委会，市住建局、应急局、资源规划局、生态环境局、发改委、财政局、工信局、商务局）

(九) 推进公共领域车辆应用新能源化。除应急车辆外，每年新增的公交车、市政环卫车辆全部使用新能源汽车，更新或新增的巡游出租车和接入平台的网约车全部使用新能源汽车。2025 年年底前，除应急车辆外，全市公交车、巡游出租车和城市建成区的载货汽车、邮政用车、市政环卫车辆、网约车基本实现新能源化。市、县（区）两级党政机关新增公务用车采购新能源汽车比例不低于 50%。鼓励物流车、市政环卫车辆、渣土运输车等优先采购使用燃料电池汽车。各类新能源汽车在环保管控期间不受道路限行限制。对购置符合政策要求的新能源公交车，按照省级同期补贴标准的 10%，给予购车单位奖励。（责任单位：各县〔市、区〕政府、管委会，市财政局、交通运输局、工信局、生态环境局、发改委、公安局、住建局、城管局、邮政管理局、机关事务中心）

(十) 开展燃料电池汽车示范应用。支持城市公交、城际客运、景区、物流运输、市政环卫等专线开展燃料电池汽车示范应用；支持在渣土石料运输、物流园区等应用场景开展燃料电池货车示范应用；支持燃料电池乘用车在政府公务用车、出租车、私家车等领域应用。积极探索商业模式，创新燃料电池汽车推广方式，拓展应用领域。（责任单位：各县〔市、区〕政府、管委会，市财政局、工信局、交通运输局、机关事务中心）

三、保障措施

(一) 加强组织领导。市制造强市建设领导小组要加强领导，

协调推动成员单位加快落实新能源汽车相关产业发展措施，健全工作推进机制，坚持问题导向，强化政策措施落实，及时协调解决产业发展中的重大问题。（责任单位：市制造强市建设领导小组成员单位）

（二）强化资金支持。发挥财政资金引导作用，统筹各类专项资金、基金，支持新能源汽车相关产业发展。积极争取国家、省扶持补助资金，支持公共领域新能源公交车推广应用、充电（加氢）基础设施建设运营以及燃料电池汽车示范应用等项目。（责任单位：市财政局、工信局、发改委、科技局）

（三）做好人才保障。落实人才政策，积极引进新能源汽车及其关键零部件特别是新一代动力电池、燃料电池等方面创新团队和顶尖人才。深化产教融合，鼓励在新高校与动力电池和氢燃料电池生产企业、研发机构对接合作，增设相关专业课程，根据企业需求，培养输送专业技术人才；鼓励在新高校、科研院所与企业合作，对企业技术人员进行在职联合培养。（责任单位：市人社局、教育局）

本意见中所列财政支持政策，按财政体制分级承担，有效期自发布之日起至2025年12月31日。

新乡市人民政府办公室

2022年1月30日

主办：市工信局

督办：市政府办六科

抄送：市委各部门，新乡军分区。

市人大常委会办公室，市政协办公室，市法院，市检察院。

新乡市人民政府办公室

2022年1月30日印发



Xinxiang Municipal People's Government Office On accelerating the development of new energy vehicle related industries in Xinxiang City Implementation opinions

People's governments of counties (cities) and districts and relevant departments of municipal people's governments:

For the implementation of the general office of the people's government of Henan province to accelerate the new energy automobile industry development in Henan province plan notice (Yu ZhengBan [2021]67), promote the carbon peak, carbon neutral target, speed up the development of new energy automobile related industry, with the consent of the municipal government, now put forward the following implementation opinions, please implement seriously.

I. General requirements

(1) Guiding ideology

Under the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, we will grasp the battle to promote high-quality

development in the central region, ecological protection and development in the Yellow River Basin in the new era Opportunities, fully implement the national and provincial new energy automobile industry development strategic deployment, optimize the industrial layout, strengthen innovation-driven, strengthen market cultivation, improve infrastructure, expand the industrial scale, actively integrate into and serve the new development pattern, accelerate the upgrading of the industrial basic capacity and the modernization level of the industrial chain.

(2) Development goals

— — The battery industry has achieved steady development. By the 2025 year, the city's new energy battery industry innovation system is increasingly perfect, the industry chain related products are leading in China, the research and development of related materials of new batteries and industrialization has made a breakthrough progress, the operating income of enterprises on the plan reached 150 million yuan, and strive to make a breakthrough in the introduction of new energy vehicles.

——Green transportation is achieved in the public sector. To years, in addition to the emergency vehicles, the city's bus, cruise taxi and urban proper truck (including residue truck, cement truck, logistics car, similarly hereinafter), postal service, municipal sanitation vehicles, net about taxi basic use of new energy vehicles, heavy cargo vehicles, engineering vehicles of new energy vehicles permeability increased significantly.

—— Infrastructure support has continued to improve. By the 2025year, the city's charging and changing technology level was greatly improved, and the intelligent and information operation system was basically completed. The scale, operation quality and service convenience of charging and changing facilities have been significantly improved. The number of charging and changing stations, charging piles and hydrogenation stations can meet the needs of new energy vehicles in the city, and the layout is more reasonable, realizing the full coverage of key application areas.

II. Main tasks

(1) Actively develop the power battery industry.

Relying on key enterprises and research and development institutions, we will accelerate the promotion of battery positive and negative electrode, diaphragm, electrolyte, battery management system and other technologies Progress, strengthen the high intensity, lightweight, high safety, low cost, long life of lithium battery, sodium battery and fuel cell system technology, through the cultivation of leading enterprises and major project construction, improve the level of industrial development. Accelerate the research and development and industrialization of key battery materials such as graphene anode and nano-silicon anode, and new technologies such as solid-state power batteries and lithium-sulfur batteries, and realize the lane change and overtaking of the industry. (Responsible units: Muye District, Fengquan District Government, Municipal Industry and Information Technology Bureau, Science and Technology Bureau)

(2) Accelerate the distribution of the hydrogen fuel cell industry. Zhengzhou will cooperate with the construction

of national fuel cell vehicle demonstration application, support key enterprises and research and development institutions to accelerate the development and application of hydrogen fuel cell stacks, power system and electric drive system, promote breakthroughs in core key technologies and the industrialization of hydrogen fuel cell components, and gradually form a hydrogen fuel cell industry chain. (Responsible units: Administrative Committee of High-tech Zone, Municipal Finance Bureau, Industry and Information Technology Bureau, Science and Technology Bureau, National Development and Reform Commission)

(3) Strengthen the development of the hydrogen energy industry. With national fuel cell vehicle demonstration application of Zhengzhou urban agglomeration for traction, encourage key enterprises, research and development institutions joint colleges and universities, speed up the green hydrogen production, hydrogen storage and transportation, hydrogenation station, car storage application support technology and realize industrialization, encourage the use of wind power, photoelectric, biomass for green hydrogen

production, support the development of hydrogen preparation, hydrogen storage and transportation and filling equipment, promote the development of hydrogen industry and new energy automobile industry integration. (Responsible units: Municipal Development and Reform Commission, Industry and Information Technology Bureau, Science and Technology Bureau, Finance Bureau)

(4) Increase the introduction and training of industrial chain enterprises. Aiming at the new energy automobile industry chain, aiming at the weaknesses and weaknesses, strengthen investment attraction, focus on the introduction and cultivation of high-quality cells, fuel cell stacks and systems, drive motors, motor controllers, automobile sensors, steam Car chip, vehicle electronics, automotive intelligent network system and other supporting enterprises and major projects. We will support key auto parts enterprises to accelerate the development of products suitable for new energy vehicles, and further improve the industrial chain and enhance their competitiveness. Relying on the industrial basis and market demand of Xinxiang battery

and auto parts, combined with the national "Automobile Industry Investment Management Regulations" and the actual situation of Henan Province, aiming at the industry leader, taking the plain demonstration area as the carrier, striving for a breakthrough in the introduction of new energy vehicles. For the key attracting projects of new energy vehicle related industries, according to the mode of project foster care and enclave economy, and according to the situation of leading industries, comprehensively arrange the Muye District, Fengquan District, high-tech zone, economic development zone and plain demonstration area to undertake. (Responsible units: Muye District, Fengquan District Government, Administrative Committee of High-tech Zone, Economic Development Zone, Plain Demonstration Zone, Municipal Commerce Bureau, Industry and Information Technology Bureau, Science and Technology Bureau, Development and Reform Commission)

(5) Enhance innovation, research and development capabilities. We will accelerate the establishment of an innovation mechanism for integrating the upstream and

downstream of the industrial chain, large, small and medium-sized enterprises, and promote the establishment of industrial research institutes, innovation alliances, and innovation consortia. We will actively establish national and provincial manufacturing innovation centers, enterprise technology centers, technology innovation centers, and engineering technology (research) centers, and accelerate the improvement of enterprises' independent innovation capacity. We will encourage enterprises, universities, research institutes, and testing institutions to strengthen cooperation, jointly carry out research and development of key generic technologies, and build a public service platform for research and development. We will carry out research on advanced module power cell and fuel cell system technologies, and encourage enterprises to undertake national key scientific research projects in the field of hydrogen fuel cell vehicles. (Responsible units: Municipal Science and Technology Bureau, Finance Bureau, National Development and Reform Commission, Industry and Information Technology Bureau)

(6) Cultivate innovative leading enterprises. We will encourage key enterprises to increase investment in R & D, gather high-end R & D talents, improve the technical level and competitiveness of their products, and subdivide battery materials, battery cells, fuel cells, steering vehicles, brakes, automobile air conditioners, and automobile pipelines In the industry, focus on cultivating a number of innovative leading enterprises. Strengthen the cultivation of brand enterprises, establish a dynamic adjustment mechanism, and enhance the brand influence. (Responsible units: Municipal Science and Technology Bureau, Industry and Information Technology Bureau, National Development and Reform Commission, Finance Bureau)

(7) Speed up the construction of charging and changing electricity facilities. Scientific planning, layout charge in electric infrastructure, focus on residential use for charging pile and public institutions, enterprises, industrial park, parking lot, special parking lot charge in electric facilities construction, speed up the main highway service area fast charging facilities layout, actively promote public parking centralized

charge in electric facilities construction, pushing rural charge in electric facilities construction. The operational charging infrastructure that provides charging and changing services for public vehicles should be connected to the government public welfare charging service platform, and the data should be opened to the provincial platforms and relevant administrative departments to provide real-time operation information. (Responsible units: county and district governments, administrative committee, Municipal Development and Reform Commission, Housing and Construction Bureau, Transportation Bureau, Culture and Tourism Bureau, Market Supervision Bureau, Government Offices Affairs Center, Resources and Planning Bureau)

(8) Promoting the construction of hydrogenation facilities in an orderly manner. We will plan the layout of hydrogenation stations, improve the construction and operation management mechanism of hydrogenation stations, and formulate detailed rules and special plans for the approval of the construction of hydrogenation stations. Support the use of existing

sites and facilities to build oil, gas, hydrogen and electricity integrated energy supply stations and the construction of refueling (gas) stations that have obtained legal land use procedures shall be exempted from the handling of planned site selection and land use procedures on the premise of meeting the relevant national norms and safety conditions. Priority should be given to the hydrogenation stations included in the planning and independent land occupation. We will explore the construction of hydrogen fuel transportation pipelines, develop solid-state hydrogen storage technologies, gradually reduce the cost of hydrogen fuel storage and transportation, and meet the demonstration and operation needs of hydrogen fuel cell vehicles. (Responsible units: county and district governments, administrative committee, Municipal Housing and Urban-Rural Development Bureau, Emergency Bureau, Resources and Planning Bureau, Ecological Environment Bureau, National Development and Reform Commission, Finance Bureau, Industry and Information Technology Bureau, Commerce Bureau)

(9) Promoting the application of new energy in vehicles in

the public sector. In addition to emergency vehicles, the new buses and municipal sanitation vehicles all use new energy vehicles, and the updated or new cruise taxis and online taxis connected to the platform all use new energy vehicles. By the end of 2025, in addition to emergency vehicles, the city's buses, cruise taxis and urban built-up areas of trucks, postal vehicles, municipal sanitation vehicles, online taxi to basically achieve new energy. The proportion of new energy vehicles purchased by party and government organs at the municipal, county and district) levels shall be no lower than 50%. Encourage logistics vehicles, municipal sanitation vehicles, muck transport vehicles and other priority procurement and use of fuel cell vehicles. All kinds of new energy vehicles are not subject to road restrictions during the environmental protection control period. For the purchase of new energy buses that meet the policy requirements, the car buyers will be rewarded according to the provincia 10% of subsidy standard for the same period. (Responsible units: county and district government, administrative Committee, Municipal

Finance Bureau, Transportation Bureau, Industry and Information Technology Bureau, Ecological Environment Bureau, National Development and Reform Commission, Public Security Bureau, Housing and Construction Bureau, Urban Management Bureau, Postal Administration, and Government Offices Affairs Center)

(10) Carry out the demonstration and application of fuel cell vehicles. Support the demonstration and application of fuel cell vehicles in urban public transport, intercity passenger transport, scenic spots, logistics transportation and municipal sanitation; support the demonstration and application of fuel cell trucks in waste stone transportation and logistics park; support the application of fuel cell passenger vehicles in government official vehicles, taxis and private cars. Actively explore business models, innovate the promotion mode of fuel cell vehicles, and expand the application field. (Responsible units: county and district government, administrative Committee, Municipal Finance Bureau, Industry and Information Technology Bureau, Transport Bureau, Government Office Affairs Center)

III. Measure of safeguard

(1) **Strengthen organizational leadership.** City manufacturing strong city construction leading group to strengthen the leadership, Coordinate and promote member units to accelerate the implementation of industrial development measures related to new energy vehicles, improve the work promotion mechanism, adhere to the problem-oriented, strengthen the implementation of policies and measures, and timely coordinate and solve major problems in industrial development. (Responsible unit: member unit of the Leading Group of Municipal Manufacturing Strong City Construction)

(2) **Strengthening financial support.** We will give full play to the guiding role of government funds, and coordinate various special funds and funds to support the development of new energy vehicle-related industries. We will actively strive for national and provincial support and subsidy funds to support the promotion and application of new energy buses in the public sector, the construction and operation of charging (hydrogenation) infrastructure, and the

demonstration and application of fuel cell vehicles. (Responsible units: Municipal Finance Bureau, Industry and Information Technology Bureau, National Development and Reform Commission, Science and Technology Bureau)

(3) Ensuring talents. We will implement the talent policy, and actively introduce innovative teams and top talents in new-energy vehicles and their key components, especially in new-generation power batteries and fuel cells. Deepen the integration of industry and education, encourage cooperation with power battery and hydrogen fuel cell production enterprises and development institutions in new universities, add relevant professional courses, train and transport professional and technical personnel according to the needs of enterprises; encourage cooperation with enterprises in new universities and research institutes and to conduct in-service joint training for enterprise technical personnel. (Responsible unit: Municipal Government, Human Resources and Social Security Bureau, Education Bureau)

The financial support policies listed in this opinion shall be borne in different levels according to the financial system and shall be valid from the date of release until December 31, 2025.