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**The Statutory Interpretation of Renewable Energy Based on
British Government Constitutional Forms towards New Public
Management of Sustainable Development for Corporate
Governance Using Artificial Intelligence**

Zharama Llarena



The Statutory Interpretation of Renewable Energy Based on British Government Constitutional Forms towards New Public Management of Sustainable Development for Corporate Governance Using Artificial Intelligence

 Zharama Llarena^{1*}

Juris Doctor Student, School of Law, California Southern University, Costa Mesa, California, USA



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Abstract

Purpose: The current production for energy consumption generates harmful impacts of carbon dioxide (CO₂) to the environment causing instability to sustainable development goals. The constitutional reforms of British government serve to be an important means of resolving any encountered incompatibilities to political environment. This study aims to evaluate green economy using developed equation for renewable energy towards political polarization of corporate governance.

Materials and Methods: The Kano Model Assessment is used to measure the equivalency of 1970 Patents Act to UK Intellectual Property tabulating the criteria for the fulfillment of sustainable development goals in respect to the environment, artificial intelligence, and dynamic dichotomy of administrative agencies and presidential restriction, as statutory interpretation development to renewable energy.

Findings: The constitutional forms of British government satisfy the sustainable development goals needed to fight climate change, advocate healthy ecosystem, promote leadership of magnates, and delegate responsibilities towards

green economy. The presidential partisanship must be observed to delineate parties of concerns and execute the government prescriptions in equivalence to the dichotomous relationship of technology and the environment in fulfilling the rights and privileges of all citizens. Hence, the political elites can execute corporate governance towards sustainable development of renewable energy promoting environmental parks and zero emission target of carbon dioxide (CO₂) discharges.

Implications to Theory, Practice and Policy: The economic theory developed in statutory interpretation for renewable energy serves as a tool to reduce detrimental impacts of carbon dioxide (CO₂) to the environment, mitigate climate change, and produce artefacts of bioenergy and artificial intelligence promoting sustainable development. It is suggested to explore other vulnerabilities of artificial intelligence to prosper economic success.

Keywords: *Sustainable Development, Energy, Regulatory Technology, Corporate Governance, Green Economy*

1.0 INTRODUCTION

Political polarization is raging in key aspects of dynamic dichotomy, specifically, concerning the relationship of administrative agencies from presidential polarization. Administrative agencies are distinguished and marked as absent from leading contemporary polarization accounts. The attention is focused on voters, the President, and Congress. Agencies appear to the extent of coming up largely as matters to be used for the reason of carrying the adverse effects of congressional-presidential arguments that polarization fuels. Scholars highlight how polarization in the congress supported appointments of top agency officials, produced budget with uncertainty for agencies, and directed them to greater investigations. Agencies play a more active duty accountable to presidential partisanship. Furthermore, they are characterized to be a tool created and used primarily by the President instead of acting as policy initiators at their own right. Thus, according to Jeh Johnson, the continuing rulemaking by the Environmental Protection Agency (EPA) on power plant discharges is depicted as climate change plan of President Barack Obama.¹

Facts

It is predicted that the relevance of coal consumption for global electricity production as major source of fuel would extend beyond 2035. In 2007, coal-fired electricity production generated 42% of electricity as global supply and is expected to maintain its significant contribution is expected to exist through 2035. In Turkey, the electricity generation in 2010 mainly sustained its relevance based on resource consumption with 45.9% natural gas, 25.3% coal, and 24.5% hydraulic supply, hence, coal is regarded as the second major source vital to electricity. During 2011, the United States coal plants used and emitted numerous entities for energy production citing 110 million tons of coal ash, an approximate of 1 trillion gallons of water for processing, and discharge of about 1.6 billion tons of carbon dioxide (CO₂). There are separated technologies being utilized to reduce waste effluents together with its harmful effects to the environment, and its treatment application for solid, liquid, and gaseous emissions has been acknowledged to be an expensive method being developed as a novel process that would control CO₂ emission.²

Issue

Several forms of indigenous medicine connect to biotic systems such as the conventional Chinese medicine, Arabic unani drugs, and Indian ayurveda known as the Traditional medicine (TM). The associations between TM and biodiversity are illustrated according to long tradition of healing powers linked with earth's natural systems and the immediate healthy air, spring water or the natural surroundings. The interconnections between TM and the biotic environments may be observed not only as health benefits originated from the occurrence of species completion, climate control, intact watersheds, and genetic diversity, but also via important needs for food, water, clean air, and shelter, concerning sustainable development.³

¹ Gillian E. Metzger, 'Agencies, Polarization, and the States' (2015) 115(1739) *Columbia Law Review* 1739-1741.

² Zharama M. Llarena, 'Determination of Catalytic Rate Constants towards Polymeric Conversion to Synthetic Oils: Bridging the Gap between Kinetics and Thermodynamics' (2017) 5 *Journal of Material Science and Chemical Engineering* 1-2.

³ Romulo RN Alves and Ierece ML Rosa, 'Biodiversity, traditional medicine and public health: where do they meet?' (2007) 3(14) *Journal of Ethnobiology and Ethnomedicine* 1.

Holding

Nevertheless, the pre-existing powers of agencies describes that the policy deadlock created by political dichotomy, at the same level, does not prevent policy development at the same time. Certainly, the reinforcement of polarization has already a robust trend toward presidential administration, as Presidents urge to utilize agencies to advance dichotomous policy agendas obstructed by congressional stalemate. In turn, Congress treats executive agencies by increments as presidential substitutes and fair dichotomous game. Hence, the augmented focus on presidential partisanship, particularly in dichotomous contexts, shows real-life movements. The President executes administrative law, and this agency cannot simply be treated as same equivalence with the President. Agencies have independent reputation, obligations, and allegiances. Moreover, they created their own policy agendas for urging towards advancements to political branches of their level.⁴

Rationale

Artificial Intelligence (AI) is rapidly progressing to contribute several benefits to the global economy such as improvements in creativity, safety, services, lifestyles, and solving complex problems, and at the same time raises concerns on adverse effects such as privacy, human autonomy, fundamental rights, and freedoms. The legal discussion for artificial intelligence (AI) on human rights issues is established, with several detailed legal analysis. However, this field is a regulatory mobile target and there is a demand for an exploratory, bird's eye, and rummaging at the extent of issues, curated in one place.⁵ Meanwhile, there are recent immigration enforcement initiatives promoted by the Department of Homeland Security (DHS) commonly cited as immigration executive actions of President Obama. The unsuccessful incorporation of administrative agencies to polarization accounts is a major omission. Administrative government, and specifically, regulatory agency, basically transforms polarization equation. Certainly, the existence of an immense national administrative state, from 1890 to 1910, denotes a remarkable difference between the nation's current scenario and former instances of high dichotomy, observing a nascent contemporary administrative agency. Although agencies are still able to respond, they are apparently influenced by a high unilateralism that domineers to be a helm to political branches. Agencies hold wide scope of grants of pre-existing authority which they can utilize to reshape the governing law and policy, usually at presidential initiation, hence, setting pressure on Congress to act. In the process, they can conceptualize new arrangements and alliances with high potential to generate dichotomy and modify the political landscape.⁶

This paper aims to measure the bioenergy needed to promote renewable power as compliance to constitutional reforms of British government essential to maintain the balance of supreme powers in presidential partisanship towards green economy existence for technology, hence, mitigating problems in climate change due to carbon dioxide (CO₂) emissions, and develop new public management in engineering monetary value of sustainable development goals.

⁴ Gillian E. Metzger, 'Agencies, Polarization, and the States' (2015) 115(1739) *Columbia Law Review* 1742-1743.

⁵ Rowena Rodrigues, 'Legal and human rights issues of AI: Gaps, challenges and vulnerabilities' (2020) 4 *Journal of Responsible Technology* 1.

⁶ Gillian E. Metzger, 'Agencies, Polarization, and the States' (2015) 115(1739) *Columbia Law Review* 1741-1742.

2.0 MATERIALS AND METHODS

Kano Model Assessment (Commentary)

The 1970 Patents Act was revised in 2005 requiring that inventions must be “new” inventive step that cannot be predicted involving industrial utilization. Hence, it should demonstrate technical advancements in comparison with current knowledge that would highly result to economic significance. Moreover, the invention must exhibit a feature known as non-obviousness creating commonness to all people to be skilled in the art.

According to section 3(d) of the Act, the following are not considered invention:

(d) the known substance discovery is not a mere new form, thus, not original, resulting to non-improvement in enhancing the known substance efficacy, including already known property substance, not to be of new use, and already existing process, apparatus or machine, unless the product cannot be anticipated resulting to a “new” creation with application of at least one reactant as “new” for the non-foreseeable process.

Table 1: UK Intellectual Property Options Under Action Principles

COMPUTER-GENERATED WORKS	
Option 0	Make no legal modification on Artificial Intelligence
Option 1	Protection is removed for computer-assisted works
Option 2	The current protection is replaced with a new right of reduced scope or duration

The standards needed as evidence are high in specifications during this era of rapid industrial change and technological advancements, as shown in Table 1. Thus, the burden of proof points to fundamentally advocate new rights required and the estimated production prices, the people who will avail their invention as consumption. Hence, Option 1 has an invention provision that requires copyright creation to maintain a standard without devotion to a particular creation or work. Otherwise, UK government shall remove their computer-generated AI protection based on s 9(3) for the emergence of substantial evidence in their AI businesses. Furthermore, the UK IPO policy provides Option 2 concerning additional IP rights regarding cumulation issues on reduced duration and scope in processing time that would basically categorize into two types, resulting to expensive prices and loss of invention as reviewed by Gower (2006) and Hargreaves (2011).

Table 2: UK Intellectual Property Options in Research and Databases

TEXT AND DATA MINING (TDM)	
Option 0	Make no legal change on TDM
Option 1	Licensing environment is improved for TDM design, intent, and purpose
Option 2	The existing TDM exception to encompass commercial research and databases is extended
Option 3	TDM exception for any use is adopted with a rights holder to participate
Option 4	TDM exception for any use is applied which does not authorize rights holder to participate

As described in Table 2, in UK law of Intellectual Property, extraction of evident materials from already existing copyright-protected creation is not accepted for acquisition of TDM as IP in this pertinent act (Option 2). Hence, in this IP acquisition, industrial firms should present more robust evidence in empirical research, not just only for the requirement of authorless computer-generated

works, but also to exhibit more related research on database, otherwise repealed. Moreover, the offered Option 1 should render a lawful access to public interests for legitimacy of its creative environment to be socially immersed as an invention as non-obviousness.

Table 3: UK Intellectual Property Options in Patent Inventorship

PATENT INVENTORSHIP	
Option 0	Make no legal change in Patent Inventorship
Option 1	Inventorship is expanded for the inclusion of human responsibility to an AI system which invents patentability
Option 2	Patent applications are allowed to recognize AI as inventor
Option 3	AI-devised inventions are protected through a new type of secured patentability

In patent inventorship defined in Table 3, Option 0 is very substantial in advocating Intellectual Property without any raised issues in their creation. Hence, Artificial Intelligence, as copyright-generated works, has maintained its high quality of research originating from authorless invention in lack of any dedicated working output of human assistance. Moreover, any needed requirements which deemed by the government to be vital in advocating substantive law, may reform the policy in alignment with the international level in accordance with their own interpretation of constitutional law. Furthermore, the European Patent Office (EPO) clearly stated that only a human being can be an inventor and computer-generated works cannot transfer any rights to a person (Thaler v Comptroller General of Patents).⁷

The Kano Model Framework is adopted to illustrate the UK Intellectual Property in various policy options, integrating computer-generated works, text and data mining, and patent inventorship, towards green economy. Figure 1 categorized UK Intellectual Property requirements into five types of options for exhibition of Drug Patent Law:

- i. Must be quality attributes: Removal of patent application (Option 1)
- ii. One-dimensional quality attributes: Patent extension with protection (Option 2)
- iii. Attractive quality attributes: The participation of banking institution and its allies for climate change protection (Option 3)
- iv. Indifferent quality attributes: The non-participation of the human society in fulfilling the goals of business ethics (Option 4)
- v. Reverse quality attributes: Changes in Artificial Intelligence (Option 0)

In Figure 1, Kano Model Assessment is the illustration of Corporate Governance. The obligations and duties of banking institutions and its allies are extended to promote sustainable development of business ethics in advocacy to fight climate change (see Option 3). The human society must enjoy their constitutional rights of public welfare and safety as intellectual property designs are invented for their consumption and utilization under the Trade Law of making their high quality

⁷ Zharama M. Llarena, 'A Critic on Legal, Ethical, and Regulatory Issues of Off-Label Medicines Shepardizing Intellectual Property Law towards Pharmacoconomics: A Discussion of Pfizer's Norvasc Patent Case' (2023) 5(2) *American Journal of Law* 34-36.

products to be in appropriate shape as immersion to public daily usage of patent inventorship as non-obviousness (see Option 4).⁸

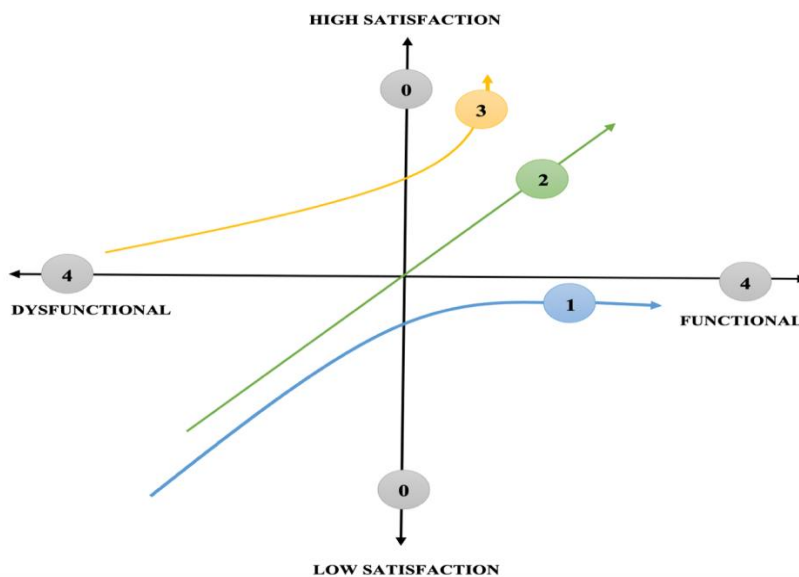


Figure 1. UK Intellectual Property Law using Kano Model Framework

Green Manure Technology (Argument)

Green technologies are environmentally good technologies that resolve problems on energy efficiency resulting to increased utilization of renewable resources, and diminished health and safety concerns. Environmental and green technologies generate less pollution and consume all resources towards sustainable development producing positive outcomes to environmental judgements. Green technology is a set of methods, processes, techniques, equipment, tools, machinery, and skills by which a product such as bioenergy is made or a service from a patented design is rendered, in due responsibility. According to Januszewski and Molenda, hardware tools or machines, and services provided are considered technology. Second, based on Fathian and Mahdavi-Noor, technology is also defined as hard-soft artificial intelligence that can transform renewable natural resources into usable services for public interests.⁹

Regulatory Technology (Dissent)

Obligations are present for the augmented digitization in the financial firms due to intervention of novel technologies and technology industries in the banking sector. Industries and systems of financial technology (FinTech) have initiated to develop several financial market areas. Based from Gabor and Brooks (2017), FinTech firms and applications have significantly influenced specific domains of funding platforms and financing protocols. Financial institutions (FIs) focused their vital concerns on management of activities pertaining to risk and compliance, thus, Institute

⁸ Zharama M. Llarena, 'A Critic on Legal, Ethical, and Regulatory Issues of Off-Label Medicines Shephardizing Intellectual Property Law towards Pharmacoconomics: A Discussion of Pfizer's Norvasc Patent Case' (2023) 5(2) *American Journal of Law* 38-39.

⁹ Naser Valizadeh, Sara Jalilian, Zeynab Hallaj, Samira Esfandiyari Bayat, Dariush Hayati, Khadijeh Bazrafkan, Nazanin Kianmehr, and Morteza Akbari, 'Encouraging adoption of green manure technology to produce clean rice product' (2023) 13(8690) *Scientific Reports* 2.

of International Finance referred regulatory technology (RegTech) as their novel technological solutions.¹⁰ Through global efforts, processing of legislation from regional jurisdiction to federal execution and employment had generated an up-to-date regulatory movement. The European Union (EU) formulated EU Regulation with the application purpose of criminal principles and information technology framework in conformity with AML regulations in varied levels and landscapes. The Financial Action Task Force (FATF), the European Council, the United Nations, and financial organizations have complementary movements facilitated in international conventions for equivalent transfers of authorities. Foreign terrorism is found to have three fundamental elements:¹¹

- i. Seeming beyond the strategic range of economic, political, or religious attacks such as environmental park and Eco Park.
- ii. Broad fundamental support that guarantees sudden global spread such as regulatory technology.
- iii. Unlimited concept of the adversary in targeting his goal inflicting maximum damage within short duration of time such as US territories.

Concerning law implementation, Justice Department has engaged cybercrime operations for elemental illustration leading to identification, deterrence, and sanction of suspicious cyber perpetrators, as well as their accomplices, who aimed to attack private industries. Code development is a political judicialization process engineered to treat issues on administrative policies for alignment of organizational goals. Department of Justice has an organized means of resolving issues on cybercrime detection involving money laundering and financing of terrorism. European Law (EU Law) has imposed regulations on banking industries worldwide concerning transactions within their territory and transnational agreements, and designed financial flows for monitoring, reporting, and complying to policies that are deemed to be suspicious and subject the found problems and threats for legal settlements.

Regulatory Technology (RegTech) is a 2015 innovative tool designed to assess financial movements through artificial intelligence. However, Department of Defense has inadequate ways of implementing necessary laws, whether international, federal or its equivalent, of combating security predicaments on cyberwar. Above cyber threats on observed crime perpetration for cybersecurity, implementation of soft law for money laundering and terrorism financing for application of Regulatory Technology (RegTech) in their Tallinn Manual 2.0 must be aligned with the existing rules and regulations of the Department of Justice in order to harmonize the efficiency of all administrative functions involving government treasuries and banking industries, together with its equivalent, with the common goal of protecting the wealth, economic ties, and security of all nations worldwide.¹² The Institute of International Finance prescribed regulatory technology as

¹⁰ Zharama M. Llarena, 'Stochastic development on corporate environmental behavior resolution for quantum modelling of political adjudication from excise tax of all assumpsit actions' (2022) 4(2) *International Journal of Foreign Trade and International Business* 53.

¹¹ Zharama M. Llarena, 'Stochastic development on corporate environmental behavior resolution for quantum modelling of political adjudication from excise tax of all assumpsit actions' (2022) 4(2) *International Journal of Foreign Trade and International Business* 55.

¹² Zharama M. Llarena, 'Stochastic development on corporate environmental behavior resolution for quantum modelling of political adjudication from excise tax of all assumpsit actions' (2022) 4(2) *International Journal of Foreign Trade and International Business* 56-57.

the utilization solution of novel innovation to answer problems effectively and efficiently on regulatory and compliance documents. RegTech serves an IT innovation utilization to control an environment specialized to monitor, report, and comply with financial requirements. Hence, it is an innovative tool optimized within business context comprising of industries or organizations aiming to help financial industries in their regulatory problem transactions.¹³

Green Economy (Dicta)

The legal formalism approach on sustainable development and enrichment of regulatory technology has dealt to specify gaps on parliamentary system. Its accompanied legislative amendments satisfy the formalist duty of exercising the constitutional powers of the government. The public must feel the presence of the justice system for security ties of statutory interpretation, specifically when values are emphasized for public safety as to gain rightful intuitive outcome. Statutory interpretation is a judicial activism process of developing the right answer based on presumptions, rules, extrinsic materials, and written laws. It is illustrated as a hermeneutical circle since engineering substantial concepts based on provisional interpretations are inclined for a different and lucid understanding of an innovative reasoning approach. Hence, using a mathematical principle to be run using C++ Object-Oriented Programming, statutory interpretation is expressed as the following equations to elucidate and show that zero emission target must be equivalent with energy transition to measure the green economy of UK Intellectual Property for public interests of environmental parks.¹⁴

Based on the given statutory interpretation formula:

$$\text{ISSUE} + \text{RULES} = \text{OUTCOME} \quad (1)$$

Hence:

$$\text{RULES} = \frac{\left\langle \frac{\text{WORDS}}{\text{CONTEXT}} \times \text{PURPOSE} \right\rangle - \text{MAXIMS} + \text{PRESUMPTIONS}}{\text{EXTRINSIC MATERIALS} = \text{HISTORY} + \text{DEBATES} + \text{DICTIONARIES}} \quad (2)$$

$$\text{EXTRINSIC MATERIALS} = \frac{\left\langle \frac{\text{WORDS}}{\text{CONTEXT}} \times \text{PURPOSE} \right\rangle - \text{MAXIMS} + \text{PRESUMPTIONS}}{\text{RULES}} \quad (3)$$

$$\text{EXTRINSIC MATERIALS} = \frac{\left\langle \frac{\text{WORDS}}{\text{CONTEXT}} \times \text{PURPOSE} \right\rangle}{\text{RULES}} - \frac{\text{MAXIMS}}{\text{RULES}} + \frac{\text{PRESUMPTIONS}}{\text{RULES}} \quad (4)$$

$$\frac{\text{PRESUMPTIONS}}{\text{RULES}} - \text{EXTRINSIC MATERIALS} = \frac{\text{MAXIMS} - \left\langle \frac{\text{WORDS}}{\text{CONTEXT}} \times \text{PURPOSE} \right\rangle}{\text{RULES}} \quad (5)$$

$$\frac{\text{PRESUMPTIONS} - \text{EXTRINSIC MATERIALS}}{\text{RULES}} = \frac{\text{MAXIMS} - \left\langle \frac{\text{WORDS}}{\text{CONTEXT}} \times \text{PURPOSE} \right\rangle}{\text{RULES}} \quad (6)$$

$$\frac{\text{PRESUMPTIONS} + \left\langle \frac{\text{WORDS}}{\text{CONTEXT}} \times \text{PURPOSE} \right\rangle}{\text{RULES}} = \frac{\text{MAXIMS} + \text{EXTRINSIC MATERIALS}}{\text{RULES}} \quad (7)$$

¹³ Zharama M. Llarena, 'Stochastic development on corporate environmental behavior resolution for quantum modelling of political adjudication from excise tax of all assumpsit actions' (2022) 4(2) *International Journal of Foreign Trade and International Business* 59.

¹⁴ Zharama M. Llarena, 'Engineering Game Theory of Green Hydrogen towards Energy Transition using Shariah Jurisprudence Developmental Framework based on Ethical Decision-Making from Philosophy of Technology' (2023) 7(2) *International Journal of Engineering, Business and Management* 26-27.

$$\text{PRESUMPTIONS} + \left\langle \frac{\text{WORDS}}{\text{CONTEXT}} \times \text{PURPOSE} \right\rangle = \frac{\text{MAXIMS+EXTRINSIC MATERIALS}}{\text{RULES}} \quad (8)$$

$$\Lambda + \langle K \times \beta \rangle = \frac{\tau + \alpha}{\theta} \quad (9)$$

Where:

Λ = Uppercase lambda

β = Uppercase beta

α = Lowercase alpha

θ = Lowercase theta

K = Uppercase kappa

τ = Lowercase tau

Since:

$$\Lambda = \frac{\tau + \alpha}{\beta} \frac{\partial (K)}{\partial (\theta)} \quad (10)$$

$$\text{GREEN ECONOMY} = \frac{\text{HAMBURG RULES} + \text{HAGUE RULES}}{\text{LEGAL INSTRUMENTS}} \frac{\partial \left(\frac{\text{SOLAR ENERGIES}}{\text{CISG}} \right)}{\partial (\text{ROTTERDAM RULES})} \quad (11)$$

Since:

$$\Lambda = \frac{\partial (K)/\beta}{\partial (\theta)/\tau + \alpha} \quad (12)$$

$$\text{GREEN ECONOMY} = \frac{\partial \left(\frac{\text{SOLAR ENERGIES}}{\text{CISG}} \right) / \text{LEGAL INSTRUMENTS}}{\partial (\text{ROTTERDAM RULES}) / \text{HAMBURG RULES} + \text{HAGUE RULES}} \quad (13)$$

Hence:

$$\Lambda = \frac{\partial \ln \beta}{\partial \ln \theta} \quad (14)$$

$$\text{GREEN ECONOMY} = \frac{\partial \ln \text{LEGAL INSTRUMENTS}}{\partial \ln \text{ROTTERDAM RULES}} \quad (15)$$

Since:

$$\text{ISSUE} + \text{RULES} = \text{OUTCOME} \quad (16)$$

$$\text{ISSUE} = \text{RULES} - \text{OUTCOME} \quad (17)$$

Thus:

$$\Delta = \Lambda - X \quad (18)$$

$$\text{ZERO EMISSION TARGET} = \text{GREEN ECONOMY} - \text{ENERGY TRANSITION} \quad (19)$$

Where:

X = Uppercase chi

Δ = Uppercase delta

Therefore:

$$\text{ISSUE} + \text{RULES} = \text{OUTCOME} \quad (20)$$

GREEN ECONOMY = ZERO EMISSION TARGET + ENERGY TRANSITION (21)

Discussion

The British Constitution (Procedural History)

1st Constitutional Form: ‘What the Crown-with-Magnates Enacts Is Law’

The sovereignty of British government is defined as gubernaculum via the ship helm of the state during the placement viewpoint of medieval kingship period in the centuries prior the Reformation process, particularly during the Anglo-Saxon monarch Athelstan reign. This supreme power is characterized as divine monarchical sovereignty-with-magnates, claiming to rule, and possessing the right for discussion with wealthy and influential person in council. In basic terms, the unequal theory is expressed as the ‘Crown rules’ model occurring as an alternate design of incomparable heavenly powers known as ‘the Crown rules by consulting with magnates’, providing supremacy on the acknowledged God-ordained Crown power.¹⁵

2nd Constitutional Form: ‘What the Crown-with-Commons Enacts Is Law’

This 2nd constitutional form was developed during the pre-Reformation period. This parliamentary sovereignty is attributed towards formal requests to Crown in Parliament with representatives. The ultimate Crown rule is for an occasional and separate counsel for Crown ruling transformation increasingly appropriate to Commons. It became a crucial decision of power networks where the Crown and Parliament permit the Commons, as Crown sovereignty, to negotiate in interests, power, and money, hence, making the rule a reality to the whole body of citizens.¹⁶

3rd Constitutional Form: ‘What the Crown-Through-Parliament Enacts Is Law’

In this Reformation period, there is an assumption of legislative sovereignty confirming the omnicompetence of the Parliament stating that no area involved in their kingdom of government must be beyond their authority. The omnicompetence is vital because it carries the Parliament to proximity of having wide stability of functions towards independence. The ultimate rule is the requisition of equilibrium with political attributes to make the rule a reality under omnicompetence.¹⁷

4th Constitutional Form: ‘What the Crown-with-Disputed Parliament Enacts Is Law’

In the parliamentary sovereignty of 4th constitutional form, the ultimate rule is to conduct, in balance, with frequent incompatible political environment as ‘divine right’ of Crown theory. The argument is to make the solution to existence based on ancient common law constitution and Crown-in-Parliament sovereignty. This constitutional form is created to develop margins to Crown delineating the ultimate rule only for disputed Parliament.¹⁸

5th Constitutional Form: ‘What the Crown-in-Regulating Parliament Enacts Is Law’

Since 1869, the British monarchy has owed its title to parliament, and ruled as the God of supremacy. The 5th constitutional form is to separate what has been already established from theories, such as the developed political structures that resulted to ‘first modern revolution’. This

¹⁵ Jim McConalogue, *The British Constitution Resettled*, (Palgrave Macmillan Switzerland, 2020) 69-72.

¹⁶ Jim McConalogue, *The British Constitution Resettled*, (Palgrave Macmillan Switzerland, 2020) 72-74.

¹⁷ Jim McConalogue, *The British Constitution Resettled*, (Palgrave Macmillan Switzerland, 2020) 74-77.

¹⁸ Jim McConalogue, *The British Constitution Resettled*, (Palgrave Macmillan Switzerland, 2020) 77-80.

period exhibits the concept redefining political arguments creating a novel kind of contemporary state. The ultimate rule is to unite the existing community with the Parliament with reliability through a balanced and mixed constitution, hence, people-sanctioned to elective, consensual, majoritarian, representative, and in which the public election participation serves as the basis of trust.¹⁹

6th Constitutional Form: ‘What the Crown-in-Mixed Constitutional Parliament Enacts Is Law’

The ultimate rule in this constitutional form is the need of balance and accommodation of its altering political environments. It is stated that the Crown is firmly fixed and controlled by prevailing Parliament and increasingly justified under the balanced powers of the Crown, the Lords, and the Commons. According to Montesquieu (1748) and as adopted by Blackstone, the notion of a balanced tripartite constitution is a mixed, separate-but-coordinated powers between the executive, legislature, and judicial powers of authority. Montesquieu’s *The Spirit of the Laws* is constitutionally close to Blackstone and contains a section discussing English as ‘power checks power’ constitution, in which the executive and the two branches of the legislative function as checks on one another, yet the judicial authority and law tribunals are subservient to the legislation.²⁰

7th Constitutional Form: ‘What the Crown-in-Parliamentary Cabinet Enacts Is Law’

The ultimate rule is to produce an efficient leadership of ministerial Cabinet powers focusing on the interests of the House of Commons. It is conceptualized as an aristocratically elite representative Parliament making law in lack of external direction. The English constitution recognized as supreme authority within the legislative as the single ultimate power. In the constitution, the Cabinet is the central institution of British government, adopted within the incorporation of legislative and executive authorities, and not separated nor mixed. The context is described as a mixed, fluid constitution with absolute power of self-treatment perceiving their reforms on a trajectory path to democracy.²¹

8th Constitutional Form: ‘What the Crown-through-Parliamentary Political Elite with External Bodies Enacts Is Law’

The parliamentary elites follow a principle transforming the rule of Government authorities through Parliament, or partially through external bodies or agency. The ultimate rule is that the Crown self-contradicts the leadership of the Government via Parliament and partially through external agency. The constitution is defined as “partly written and wholly uncodified.” It heedfully enjoins those developments that do not weaken the parliamentary sovereignty principle based on mere theory, hence, Parliament could revoke any of the legislation supporting those revisions.²²

¹⁹ Jim McConalogue, *The British Constitution Resettled*, (Palgrave Macmillan Switzerland, 2020) 81-83.

²⁰ Jim McConalogue, *The British Constitution Resettled*, (Palgrave Macmillan Switzerland, 2020) 83-86.

²¹ Jim McConalogue, *The British Constitution Resettled*, (Palgrave Macmillan Switzerland, 2020) 87-89.

²² Jim McConalogue, *The British Constitution Resettled*, (Palgrave Macmillan Switzerland, 2020) 90-92.

A Set of Treatment Actions

New Public Management (NPM)

In an effort to explain the crisis and its consequences to governance, it is important to engineer a series of partisanship relevant to its management. There are good reasons, both theoretically and practically gain of insights, to balance the existence of a dichotomous principles. Thus, new public management is the way to balance known arguments in the form of opposing treatments generating good administration. Nevertheless, the development of a dichotomous series discusses the needed substitutes during reform of administration. Like the green economy, both sides must be set to existence, namely, zero emission target and energy transition, in suitable circumstances, beneficial in sustainable development to mitigate the problems in corporate governance and engineer economic gains using new public management (NPM). Hence, it is vital to align the contributions and advantages of renewable energies to the constitutional reforms of British government in mitigating the crises cited on carbon dioxide (CO₂) emissions when technology is selected as artificial intelligence to advocate bioenergy as renewable source of powers. The statutory interpretation of renewable energies serves as a novel approach to corporate governance advocating new public management (NPM).²³

Energy Production

The increased energy demands a worldwide need for an economical, clean, and infinite sources of renewables for energy production. The population throughout the world estimated that it would increase as high as 10 billion people by 2050, which would generate an exponential energy consumption as an effect. Hence, researchers and scientists promote green economy as a form of energy transition in terms of shifting to renewable sources as alternatives of economic impact. Hydrogen's storage capacity is seven times higher and bigger than the current utilization of fossil fuels, hence, its density ratio to gasoline is 1:2.75 by weight and 1:0.25 by volume. Under the Law of Mass Conservation, there must be future alternatives in providing energy demands leading to significant decline of current sources, hence, mitigating depletion of the natural materials.²⁴

Artificial Intelligence

International human rights treaties formulate responsibilities which their assigned signatories are expected to be subservient in fulfilling their obligations. States or territories must refrain from interference concerning rights and do definite actions to satisfy their privileges. Artificial intelligence is crucial in this scope of study tackling challenges and issues of human rights principles, based on core international human rights treaties.²⁵

Corporate Governance

Corporate Governance advocates code of conduct that must be strictly observed within and every context of business transactions. Thus, statutory interpretation must be developed for sourcing the

²³ B. Guy Peters, Jon Pierre, and Tiina Randma-Liiv, 'Global Financial Crisis, Public Administration and Governance: Do New Problems Require New Solutions?' (2011) 11 *Public Organiz Rev* 15.

²⁴ Zharama M. Llarena, 'Engineering Game Theory of Green Hydrogen towards Energy Transition using Shariah Jurisprudence Developmental Framework based on Ethical Decision-Making from Philosophy of Technology' (2023) 7(2) *International Journal of Engineering, Business and Management* 25.

²⁵ Rowena Rodrigues, 'Legal and human rights issues of AI: Gaps, challenges and vulnerabilities' (2020) 4 *Journal of Responsible Technology* 6.

loopholes in economic system pertaining to commercial transactions and its accompanied financing, with strict liability of its intended design.²⁶ Over many years, several central banks have created remarkable milestones to further aim for accountability and transparency in greater means. Along with their history, Karl Brunner defined central banks in their conventional practice as odd and protective as being surrounded by political mysteries. Recently, central banks have become open for dilution via inflation adoption, targeting their presentation and formulation of their financial policies. Their similar strategic frameworks have been positive to gain greater independence approval by legislative amendments.²⁷

Compliance is vital for banking firms not only from an economical resources' point of view but also for the reason of market stability. Regulatory documents are essential for assurance of customer protection, hence, a preventive measure, and its establishment affects the wealth of the nation as well as the foreign economy for an entire perspective. Furthermore, it is an advantage for Central Banks to utilize these regulations as these policies would result to probability reduction of bailing banks and specification of its potential issues would impede a broader impact on market economy. The reason for banking institutions' strict conformity with policies is due to avoidance of reputational taint, implemented sanctions, and investor's confidence loss resulting to punishments such as trading suspension and banking license revocation.²⁸

3.0 CONCLUSION AND RECOMMENDATIONS

New public management (NPM) is a constitutional reform design that would promote the financial goals of corporate governance towards sustainable development. The dichotomy of government authorities must be emphasized to delegate principals advocating a balanced leadership for proper subservience of rights, obligations, and protection. Artificial intelligence is crucial for technology in preserving natural resources, lessening the harmful impacts of current energy production, thus, consulting wealthy and influential people to advocate renewable powers. Bioenergy is a good measurement for the capacity of solar powers to produce electricity and reducing the harmful effects of carbon dioxide (CO₂) to humans. Thus, the exercise of constitutional reforms of British government is an appropriate basis to develop statutory interpretation for renewable energies in sustainable development, preserving the environment, delegating responsibilities to common citizens, preventing climate change, and promoting economic prosperity. The engineered economic theory is a practical tool designed to apply rules in contract law, tort law, criminal law, and intellectual property law using corporate governance of Kano model framework. It provides insights to the capacity of bioenergy to promote sustainability using regulatory technology as artificial intelligence. It is recommended to rummage other vulnerabilities of artificial intelligence to promote public welfare and safety as immersion to non-obviousness.

²⁶ Zharama M. Llarena, 'Stochastic development on corporate environmental behavior resolution for quantum modelling of political adjudication from excise tax of all assumpsit actions' (2022) 4(2) *International Journal of Foreign Trade and International Business* 53.

²⁷ Zharama M. Llarena, 'The Kano Model Assessment Framework for Soil Environmental Quality under Good Governance Doctrine of Bank Independence and Accountability for Code of Conduct towards Corporate Ethics' (2023) 8(2) *Journal of Strategic Management* 58.

²⁸ Zharama M. Llarena, 'Stochastic development on corporate environmental behavior resolution for quantum modelling of political adjudication from excise tax of all assumpsit actions' (2022) 4(2) *International Journal of Foreign Trade and International Business* 53.

REFERENCES

- B. Guy Peters, Jon Pierre, and Tiina Randma-Liiv, 'Global Financial Crisis, Public Administration and Governance: Do New Problems Require New Solutions?' (2011) 11 *Public Organiz. Rev.* 13-27.
- Gillian E. Metzger, 'Agencies, Polarization, and the States' (2015) 115(1739) *Columbia Law Review* 1739-1787.
- Jim McConalogue, *The British Constitution Resettled*, (Palgrave Macmillan Switzerland, 2020).
- Naser Valizadeh, Sara Jalilian, Zeynab Hallaj, Samira Esfandyari Bayat, Dariush Hayati, Khadijeh Bazrafkan, Nazanin Kianmehr, and Morteza Akbari, 'Encouraging adoption of green manure technology to produce clean rice product' (2023) 13(8690) *Scientific Reports* 1-15.
- Romulo RN Alves and Ierece ML Rosa, 'Biodiversity, traditional medicine and public health: where do they meet?' (2007) 3(14) *Journal of Ethnobiology and Ethnomedicine* 1-9.
- Rowena Rodrigues, 'Legal and human rights issues of AI: Gaps, challenges and vulnerabilities' (2020) 4 *Journal of Responsible Technology* 1-12.
- Zharama M. Llarena, 'A Critic on Legal, Ethical, and Regulatory Issues of Off-Label Medicines Shepardizing Intellectual Property Law towards Pharmacoeconomics: A Discussion of Pfizer's Norvasc Patent Case' (2023) 5(2) *American Journal of Law* 32-42.
- Zharama M. Llarena, 'Determination of Catalytic Rate Constants towards Polymeric Conversion to Synthetic Oils: Bridging the Gap between Kinetics and Thermodynamics' (2017) 5 *Journal of Material Science and Chemical Engineering* 1-11.
- Zharama M. Llarena, 'Engineering Game Theory of Green Hydrogen towards Energy Transition using Shariah Jurisprudence Developmental Framework based on Ethical Decision-Making from Philosophy of Technology' (2023) 7(2) *International Journal of Engineering, Business and Management* 23-31.
- Zharama M. Llarena, 'Stochastic development on corporate environmental behavior resolution for quantum modelling of political adjudication from excise tax of all assumpsit actions' (2022) 4(2) *International Journal of Foreign Trade and International Business* 52-60.
- Zharama M. Llarena, 'The Kano Model Assessment Framework for Soil Environmental Quality under Good Governance Doctrine of Bank Independence and Accountability for Code of Conduct towards Corporate Ethics' (2023) 8(2) *Journal of Strategic Management* 56-63.

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