

Summary of an Act

World Legislative Act #10

World Hydrogen Energy System Authority

Short title:

Hydrogen System

- 1.** Creates World Hydrogen Energy System Authority (WHESA).
- 2.** Declares tasks of WHESA to administrate various tasks to replace existing fossil fuel system with Hydrogen Energy System.
 - 2.1.** Directs WHESA to organize short-courses, seminars, symposia and conferences in order to educate people and decision makers around world about benefits of World Hydrogen Energy System vis-à-vis fossil fuel system.
 - 2.2.** Directs WHESA to open World Hydrogen Energy Research Center (WHERC) for researchers from various countries to work on conversion of primary energy sources to hydrogen. Directs WHERC to do following:
 - 2.2.1.** Research and evaluate various methods of hydrogen production, such as electrolytic, photolytic, thermal, thermal-chemical, thermo-electro-chemical, and hybrid methods.
 - 2.2.2.** Investigate various methods of storage of gaseous and liquid hydrogen.
 - 2.2.3.** Determine and develop best ways of storage for different applications.
 - 2.2.4.** Investigate transmission and distribution of gaseous and liquid hydrogen.
 - 2.2.5.** Determine and develop best ways for different applications.
 - 2.2.6.** Research into utilization of hydrogen in residential, commercial, utility, industry and transportation sectors.
 - 2.2.7.** Research on safety and environmental effects of hydrogen, as well as on development of materials for hydrogen using systems.
 - 2.3.** Directs WHESA to assist in establishing Hydrogen Energy System Demonstration Projects wherever feasible.
 - 2.4.** Directs WHESA to assist each country to convert from present hydrocarbon/carbon fuel system to hydrogen energy system.
Declares limit of 50 years or less for transition to hydrogen energy production and utilization for equipment, plants and/or transportation

2.5. Directs WHESA to campaign compliance with uniform environmental surcharge legislation enacted by Provisional World Parliament or World Parliament. Authorizes Ministry of World Resources and Provisional Office of World Revenue to collect environmental surcharge.

2.6. Permits WHESA to define and develop other tasks.

3. Composes WHESA administration.

3.1. Directs Presidium or Provisional World Presidium to nominate WHESA Minister. Provisional World Parliament or World Parliament shall then elect Minister of WHESA. Declares three year provisional term for Minister. Permits Provisional World Parliament to re-elect Minister for successive terms.

3.2. Provisional Minister of WHESA may temporarily appoint Provisional WHESA Administrator, subject to approval of Presidium. Requires Minister of WHESA to nominate from civil service lists when lists are available, with nomination subject to approval from Presidium.

3.3. Requires Administrator to appoint General Directors for tasks enumerated under Article 2 of this Act subject to approval by Executive Cabinet.

3.4. Requires each General Director to propose technical and administration personnel, subject to approval by the Administrator. Requires Senior Administrator to use seniority lists of Civil Service Administration, if lists are available.

4. Activates WHESA as soon as Earth Federation obtains equivalent of minimum of &350,000 units of Earth credit or currency (approximately ten million 1987 U.S. dollars) from energy companies and/or philanthropic organizations, or national or sub-national governments, or as soon as world economic system can allocate adequate funds. Derives WHESA budget after activation as follows:

4.1. One quarter of one per cent of GNP of each country ratifying *Earth Constitution*.

4.2. Two and one half per cent of net income of each energy company, including energy mining, transportation, storing processing (to fuel and/or electricity), and marketing companies - both public and private – that take part in transformation process.

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Adopted as World Legislative Act Number 10 at third session of the Provisional World Parliament, meeting June 1987, at Miami Beach, Florida, USA, convened in conformance with the *Constitution for the Federation of Earth*. Formatting amendments were adopted at the eighth (2004) session of the provisional World Parliament.

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