

State of Idaho

Department of State.

CERTIFICATE OF INCORPORATION OF

ENERGY DYNAMICS, INC.

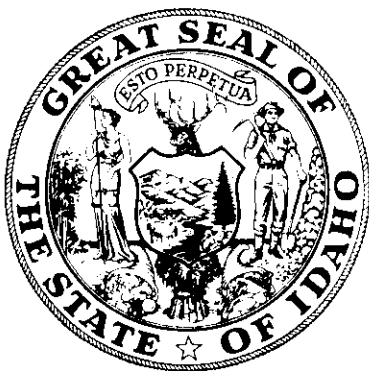
I, PETE T. CENARRUSA, Secretary of State of the State of Idaho, hereby certify that duplicate originals of Articles of Incorporation for the incorporation of _____

ENERGY DYNAMICS, INC.

duly signed pursuant to the provisions of the Idaho Business Corporation Act, have been received in this office and are found to conform to law.

ACCORDINGLY and by virtue of the authority vested in me by law, I issue this Certificate of Incorporation and attach hereto a duplicate original of the Articles of Incorporation.

Dated: May 19, 1982.



Pete T. Cenarrusa

SECRETARY OF STATE

by: _____

ARTICLES OF INCORPORATION

OF

ENERGY DYNAMICS, INC.

RECEIVED

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RECORDS OF
STATE

KNOW ALL MEN BY THESE PRESENTS: That we, the undersigned, all of whom are citizens of the United States of America, and residents of the State of Idaho, each of whom is over the age of 21 years, have associated ourselves together for the purpose of forming a corporation under the laws of the State of Idaho and for that purpose do make, sign, and acknowledge in triplicate these Articles of Incorporation.

ARTICLE I

The name of this Corporation shall be ENERGY DYNAMICS, INC.

ARTICLE II

The purpose and objectives for which this corporation is formed are:
For any lawful purpose or purposes allowed by the laws of the State of Idaho or of the United States of America.

ARTICLE III

This corporation shall have a perpetual existence.

ARTICLE IV

The location and post office address of its registered office in this State shall be: P. O. Box 8065, Boise, Idaho 83705, 511 Ave H, #612
REGISTERED AGENT: DAN BYCE, Boise, Idaho 83702
ARTICLE V

The number of directors of the corporation shall be as specified in the by-laws and such number may from time to time be increased or decreased in such manner as may be prescribed in said by-laws provided the number of directors of the corporation shall not be less than one. In case of any increase in the number of directors, the additional directors may be elected by the directors then in office and the directors so elected shall hold office until the next annual meeting of the stockholders and until their successors are elected and

qualified.

ARTICLE VI

The total number of shares which the corporation is authorized to issue is 1,500,000 shares. The aggregate par value of said shares is \$150,000.00 and the par value of each share is 10 cents.

ARTICLE VII

The Board of Directors of said corporation are hereby given the power to repeal and amend the by-laws of said corporation and to adopt any new by-laws.

ARTICLE VIII

The capital stock of this corporation shall be nonassessable; and the private property of the shareholder in this corporation shall not be liable for the debts, obligations and liabilities of this corporation.

ARTICLE IX

No contract or other transaction between the corporation and any other corporation, whether or not a majority of the shares of the capital stock of such other corporation is owned by the corporation and no act of the corporation shall in any way be effected or invalidated by the fact that any of the Directors of the corporation are pecuniarily or otherwise interested in, or are Directors or officers of such other corporation; any Director individually, or any firm of which a Director may be a member, may be a party to, or may be pecuniarily or otherwise interested in, any contract or transaction of the corporation, provided that the fact that he or such firm is so interested shall be disclosed or shall have been known to the Board of Directors or a majority thereof; and any Director of the corporation who is also a Director or Officer of such other corporation or who is so interested may be counted in determining the existence of a quorum at any meeting of the Board of Directors of the corporation which shall authorize any such contract or transaction with like force and effect as if he were not such Director or Officer of such other corporation or not so interested.

ARTICLE X

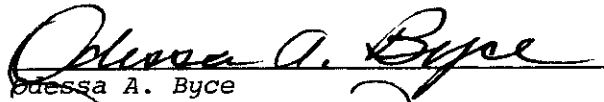
The names and post office address of the incorporators and the number of

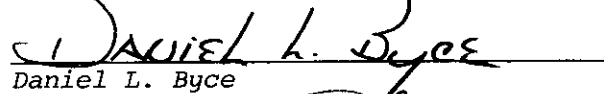
shares subscribed by each are as follows: *AND INITIAL DIRECTORS*

Odessa A. Byce	P.O.Box 8065, Boise, Idaho 83705	2400 shares
Daniel L. Byce	P.O.Box 8065, Boise, Idaho 83705	100 shares
Howard A. Pohrman,	11300 N.E. Halsey, #108.	2400 shares
	Portland, Oregon 97220	

IN WITNESS WHEREOF, We have hereunto set our hands and seals this

18th day of May, 1982.


Odessa A. Byce


Daniel L. Byce


Howard A. Pohrman

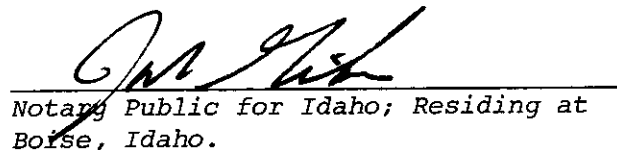
STATE OF IDAHO)

) ss.

Ada County)

On this 19th day of May, 1982, before me, the undersigned, A Notary Public in and for said county and state, personally appeared Odessa A. Byce, Daniel L. Byce, and Howard A. Pohrman, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certifice first above written.


Notary Public for Idaho; Residing at
Boise, Idaho.