

State of Idaho

Department of State

CERTIFICATE OF AUTHORITY OF

ENERGETIC SOLUTIONS INC.
File number C 116191

I, PETE T. CENARRUSA, Secretary of State of the State of Idaho, hereby certify that duplicate originals of an Application of ENERGETIC SOLUTIONS INC. for a Certificate of Authority to transact business in this State, duly signed and verified 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 Authority to ENERGETIC SOLUTIONS INC. to transact business in this State under the name ENERGETIC SOLUTIONS INC. and attach hereto a duplicate original of the Application for such Certificate.

Dated: August 23, 1996



Pete T. Cenarrusa
SECRETARY OF STATE

By *Lonya Herold*

APPLICATION FOR CERTIFICATE OF AUTHORITY (For Profit)

To the Secretary of State of Idaho

The undersigned Corporation applies for a Certificate of Authority and states as follows:

Aug 23 11 12 AM '96

1. The name of the corporation is Energetic Solutions Inc.
SECRETARY OF STATE
STATE OF IDAHO
2. The name which it shall use in Idaho is _____
3. It is incorporated under the laws of Delaware
4. Its date of incorporation is 7/19/96 and its duration, if other than perpetual, is Perpetual
5. The address of its principal office in the state or country under the laws of which it is incorporated is
90 CT Corporation System, 1209 Orange St., Wilmington, DE 19801
6. The address to which correspondence should be addressed, if different than item 5, is 15301 Dallas
Pkwy. # 1200, Dallas, Texas 75248
7. The street address of its registered office in Idaho is 300 North 6th Street, Boise, Idaho 83701
_____, and its registered agent in Idaho at that address is C T Corporation System
8. The purpose or purposes which it is proposed to pursue in the transaction of business in Idaho are:
The purpose of the corporation is to engage in any lawful act or activity for which corporations may be organized to do business under the laws of Idaho.
9. The names and respective addresses of its directors and officers are:

Name

Office

Address

See attached list of directors and officers

IDAHO SECRETARY OF STATE

DATE 08/23/1996 0900 20483

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LK #: 65178 CUST# 20166

CORP SUR 20.00

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EXPEDITE C 10 20.00= 20.00

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10. The corporation accepts and shall comply with the Constitution and the laws of the State of Idaho.

Dated: 8/20/96

Energetic Solutions Inc.

(Corporation name)

By

S. M. Bradford
Its President, Vice President, Secretary or Assistant Secretary
(please specify)

S. M. Bradford

Secretary of State used IDAHO SECRETARY OF STATE

CCAP

DATE 08/23/1996 0900 20482

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CK #: 14400256 CUST# 70195

AUTH PRO

10 100.00= 100.00

#: C
(IDAHO - 2542 - 7/11/95) CT System

ENERGETIC SOLUTIONS INC.
SCHEDULE OF
OFFICERS AND DIRECTORS
July 25, 1996

Peter John Clinch

No SS#
Flat 7
34 Onslow Gardens
London, England SW73AQ
DOB - 11/30/41
POB - Sydney, Australia
Chairman and Director

David Phillip Taylor

635-52-0005
15301 Dallas Pkwy., Suite 1200
Dallas, Texas 75248
DOB - 4/21/43
POB - Toronto, Canada
President, Director and Chief Executive Officer

Norman Schueftan

059-40-2691
380 Radford Court
Glen Mills, PA 19342
DOB - 5/13/52
POB - New York, New York
Director, Treasurer and Assistant Secretary

Steven Mark Bradford

529-88-3167
5741 Meadowhaven Drive
Plano, Texas 75093
DOB - 8/21/57
POB - Salt Lake City, Utah
Director & Secretary

John Anthony Slattery

073-40-0502
3509 Silas Court
Plano, Texas 75093
DOB - 2/14/49
POB - Brooklyn New York
Director and Vice President, Administration and
Assistant Treasurer

Harold Earl Taylor

459-74-3076
860 Timberwood Lane
McKinney, Texas 75069
DOB - 3/9/46
POB - Dallas, Texas
Vice President, Sales

Donald Othmar Brinker

494-58-5594
4928 St. Johns Road
Washington, MO 63090
DOB - 1/20/51
POB - Washington, MO
Vice President, Quarry & Construction

Charles William Miller

413-56-0214
1166 Cardinal Drive
W. Prestonsburg, KY 41653
DOB - 3/28/38
POB - Clarksville, TN
Vice President, Surface Mining

Charles Benton Jackson, Jr.

406-98-3864
1050 Oasis Court
Southlake, Texas 76092
DOB - 2/21/59
POB - Louisville, Kentucky
Vice President, Independent Distribution

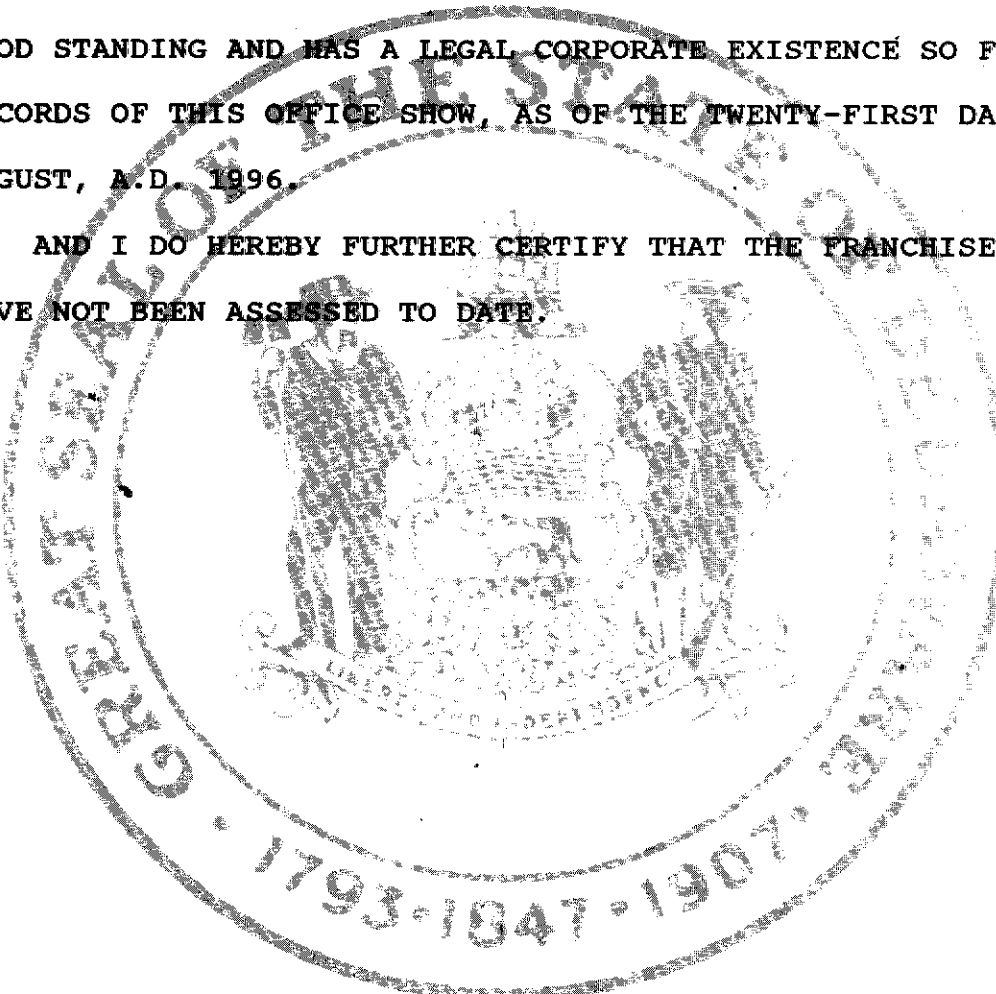
Barbara-Jean Kodors

628-48-2132
4524 Waterford Drive
Plano, Texas 75024
DOB - 8-6-56
POB - St. Catherines, Ontario
Controller

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "ENERGETIC SOLUTIONS INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-FIRST DAY OF AUGUST, A.D. 1996.

AND I DO HEREBY FURTHER CERTIFY THAT THE FRANCHISE TAXES HAVE NOT BEEN ASSESSED TO DATE.



Edward J. Freel, Secretary of State

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AUTHENTICATION:

DATE:

8075984

08-21-96