



Limited Liability Company (LLC) Resolution

Limited liability companies (LLCs) are required to have their board of managers or equivalent governing person(s) adopt the resolutions set forth below, or its equivalent under applicable law, authorizing the opening of an account and to submit to Knight Capital Americas LLC a Secretary's or Clerk's Certificate as set forth below certifying as to such resolutions. Alternatively, Customers may use their own form of authorizing resolution if acceptable to Knight Capital Americas LLC.

Certified Copy of Resolutions

I, being the duly appointed Secretary, Manager and/or Member of the below-named LLC ("LLC"), organized and existing under and by virtue of the laws of the State listed below, do hereby certify that the following Resolutions are true and complete copies of Resolutions adopted at a meeting of the Board of Managers or Members of said LLC duly called and held on the date set forth below, at which a quorum was present and voting, that and Resolutions are not in conflict with the LLC Agreement of said LLC, that said Resolutions are reflected in the minutes of the LLC, and that all agreements signed pursuant to said Resolutions shall be, continuously thereafter from the date they are executed, official records of the LLC:

BE IT RESOLVED that KCG Futures, a division of Knight Capital Americas LLC ("Knight") is hereby designated as a Broker authorized to establish one or more accounts on behalf of said LLC for the purpose of trading in the futures contracts, options, forward contracts, commodities, and all related instruments and transactions, including securities and that said Broker is authorized to act on behalf of this corporation upon the written or oral direction of any office hereof.

BE IT RESOLVED, that the below-named officers, Managers, or Members of this LLC, and each of them, are hereby authorized and directed to make, execute and deliver a Customer Agreement with Knight, and any other documents required by Knight to open and maintain an account or accounts with Knight on behalf of this LLC.

BE IT RESOLVED, that any one of the following individuals is hereby authorized to enter orders for our accounts, to confirm the correctness of transactions, and to deal full with Knight with respect to such accounts:

Name of Authorized Individual: _____	Name of Authorized Individual: _____
Name of Authorized Individual: _____	Name of Authorized Individual: _____

and that this authorization shall remain in effect until such time as Knight receives WRITTEN NOTICE from this LLC of additions or deletions.

Authorization

Secretary Signature: _____	LLC Name: _____
Secretary Printed Name: _____	State of Organization: _____
Date: _____	Date of Resolution Adopted: _____

A COPY OF THE CURRENT LLC AGREEMENT AND A COMPLETE LIST OF ALL MEMBERS WITH MAILING ADDRESSES MUST ACCOMPANY THIS AUTHORIZATION.