

A National Energy Program (NEP) – The Apollo Program of Our Time

- **The goal of the national energy program is to eliminate the gap between U.S. oil consumption and production and reduce green house gas (GHG) emissions in a decade as a milestone on the road to a sustainable energy future.**
 - With domestic natural gas plentiful, eliminating the “oil gap” achieves energy independence.
 - The oil gap reduction objective at least six MBD - near the upper end of the range of reputable forecasts.
 - The GHG emissions reduction objective was agreed to at the recent Paris Climate Change Summit to be at least 1,400 million metric tons of CO₂ equivalent.
- NEP will be implemented as a matter of national security to avoid chaos.
 - The “arc of instability” running from North Africa to Southeast Asia could become an “arc of chaos” involving the forces of many nations – DOD Joint Operating Environment 2010 Report.
 - Growing hostility between Shiite and Sunni oil producing nations could lead to regional conflict affecting key oil facilities. ISIS and non-state actors already impact the oil supply.
 - Sabotage to key oil pipelines by terrorists [non-state actors] have driven global supply outages to “elevated” levels estimated at more than 3 MBD
 - With 7 of 10 nations with largest oil reserves in the region and reduced defense budgets affecting our ability to defend the oil supply we can no longer consider the oil fields safe.
 - Russia and Venezuela are on this list; which provides no comfort.
- The implementation methods used have been proven by NASA, DOD and the private sector:
 - “Apollo like” program planning and management will achieve the goal
 - Supply chains built during the program will position US for a sustainable future.
 - Methods used in the energy “domain” will lead to cooperation, structures, experience and momentum useful in other domains.
- A planning project will prepare a NEP plan for the new administration
 - This project is analogous to the project that produced the plan to go to the moon.
 - The NEP white paper presents a baseline “for discussion purposes” to begin the project.
- Apollo was a race against time. NEP promises to be a similar race set in turbulent times
 - We stand at a crossroads. We simply can’t risk going down the same path increasingly divorced from the real threats of today and growing ones tomorrow – Defense Secretary Gates.
 - The real genius of America is our ability to transform to meet changing conditions and new threats and become a better and stronger nation.