

Federal Energy and Water Management **AWARDS** 2014

*Energy Analysis Task Force member
Lieutenant Colonel Mark Lyons
emphasizes efficient flight principles
to new Air Force pilots in an effort to
foster an energy-aware culture.*



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The Energy Analysis Task Force program incorporated operational aviation efficiencies in FY 2013 that led to annual savings of 17.8 million gallons of jet fuel and \$56 million. The initiatives leveraged civilian expertise of its Air Force Reserve members to incorporate industry best practices into policy and procedural changes that improve resiliency, reduce energy demand, assure supply, and foster an energy-aware culture.

Strategies executed during FY 2013 include adopting fuel efficient descent approaches, adjusting outdated landing weight restrictions, improving cargo loading techniques to optimize aircraft capacity, and reducing auxiliary power

unit usage by prioritizing ground power sources when available. The Task Force also fostered a change in the Air Force energy culture by evaluating undergraduate pilot training techniques and identifying new faster and lower energy flight profiles, which results in enhancement of the training syllabus objectives to produce more energy-aware graduates.

With the return on investment for program accomplishments exceeding \$10 million in annual savings per full-time equivalent employee, the Energy Analysis Task Force is leading the way in Air Force energy conservation.