# THE MOST EFFICIENT FORM OF TRANSPORTATION

| SYSTEM | LOAD CAPACITY | DAILY RANGE | SPEED | FUEL PER DAY |
|---|---|---|---|---|
| Foot-Infantry | 50 pounds | 25 miles | @ 3 MPH | 3 lbs. MRE<br>24 lbs. $H_2O$ } for rider |
| Bike-Infantry | 50 pounds | 75 miles | @ 10 MPH | 3 lbs. MRE<br>24 lbs. $H_2O$ } for rider |
| Horse/Rider | 100 pounds | 100 miles | @ 15 MPH | 40 lbs. Hay<br>150 lbs $H_2O$<br>3 lbs. MRE<br>24 lbs. $H_2O$ } for rider |
| Electric Bike/ rider | 50 pounds | 100 miles | @ 15 MPH | 3 lbs. MRE<br>24 lbs. $H_2O$ } for rider<br>+ Regen |
| Motorcycle/ rider | 100 pounds | 300 miles | @ 40 MPH | 55 lbs. Gas<br>? Oil + pumping/storage Equipment<br>3 lbs. MRE<br>24 lbs. $H_2O$ } for rider |
| 5-Ton Truck | 10,000 pounds | 300 miles | @ 40 MPH | 710 lbs. Dsl.<br>? Oil + pumping/storage Equipment<br>3 lbs. MRE<br>24 lbs. $H_2O$ } for rider |
| AAV (APC) | 10,000 pounds | 240 miles | @ 30 MPH | 1,234 lbs. Dsl.<br>? Oil + pumping/storage Equipment<br>3 lbs. MRE<br>24 lbs. $H_2O$ } for rider |

## Other Considerations:

Any non-human powered vehicle is going to require more fuel than a man-powered form. Men still have to eat whether they walk or sit. Mules/horses are hard to control, eat 6 times as much as men do, have higher silhouettes, require full-time care/training. Vehicles are noisy, require mechanics and POL re-supply, and can break down w/o repair parts. Men on Mountain Bikes or Electric Bikes can traverse any terrain, move at high speeds w/o breakdown, purify/drink local water, food is only fuel needed.