

COMPOSITE SET OF REQUIREMENTS  
FOR  
NEW POWER-PLANT LABORATORY

1. Reasonably accessible to good roads and rail and air facilities - 9 votes.
2. Adjacent to an airport or with sufficient area for an airport - 9 votes.
3. Convenient to the engine industry - 8 votes.  
But not too close to anyone of the individual companies - 1 vote
4. Ample power and water supply at reasonable rates - 9 votes  
Water free from harmful acids and preferably free from lime - 2 votes
5. Good climatic conditions for test flying - 8 votes  
Specific suggestion:- no extremes of temperature and humidity - 1  
not too hot in the summer time; cold weather  
in the winter should not be a deterrent - 1
6. Close to industrial area to assure supply of skilled mechanics, etc. - 8 votes
7. Low altitude - 5 votes  
Specific suggestions:- Not over 1000 feet - 1  
Near sea level if possible - 2  
Approximately 800 feet - 1  
Not over 2000 feet and preferably less.- 1
8. Because of noise, locate at some distance from residential sections - 5 votes.
9. Convenient to Navy and Air Corps - 3 votes  
Specific suggestions - But not immediately adjacent to either - 1  
Adjacent to Wright Field - 1  
Therefore not west of Chicago - 1
10. Convenient to Washington - 2 votes
11. Invulnerability - 4 votes
12. Good housing facilities - 3 votes
13. Educational facilities - 1 vote.
14. Cost of land and construction - 4 votes
15. Land well drained - 2 votes
16. Some distance from the sea coast - 2 votes  
Specific suggestion:- Not less than 100 miles - 1
17. Not over 10 miles from an existing engine laboratory, either Government  
or commercial - 2 votes

Specific suggestions:

Location on the main line of the Pennsylvania R. R. and air lines from Pittsburgh to Dayton, preferably at a main stop.  
Providence, New Haven, East Hartford, Buffalo, Dayton, Akron, Allentown - but preferably in the east.  
Adjacent to Wright Field.

March 6, 1940