



**AERO CLUB
OF WASHINGTON**



1
00:00:04,070 --> 00:00:02,149
i'm committed to launching american

2
00:00:06,869 --> 00:00:04,080
astronauts from american soil on

3
00:00:08,790 --> 00:00:06,879
spacecraft built by american companies

4
00:00:10,709 --> 00:00:08,800
this budget provides the funding needed

5
00:00:13,030 --> 00:00:10,719
to bring our human space launches back

6
00:00:14,789 --> 00:00:13,040
home to the u.s and get american

7
00:00:18,550 --> 00:00:14,799
companies transporting our astronauts

8
00:00:23,189 --> 00:00:21,029
in aeronautics maybe the area in which

9
00:00:25,029 --> 00:00:23,199
you're most interested our investments

10
00:00:27,429 --> 00:00:25,039
are driving technology breakthroughs for

11
00:00:29,669 --> 00:00:27,439
cleaner safer and more efficient

12
00:00:31,349 --> 00:00:29,679
aircraft and accelerating the nation's

13
00:00:37,270 --> 00:00:31,359

transition to the next generation air

14

00:00:41,990 --> 00:00:39,350

nasa research investigated for the first

15

00:00:43,990 --> 00:00:42,000

time the impact on airport local air

16

00:00:46,630 --> 00:00:44,000

quality of jet engines burning renewable

17

00:00:49,270 --> 00:00:46,640

biofuels and found large reductions in

18

00:00:51,830 --> 00:00:49,280

the output of harmful small particulates

19

00:00:54,150 --> 00:00:51,840

compared to burning today's jet fuel

20

00:00:56,389 --> 00:00:54,160

building on these successes in fiscal

21

00:00:58,869 --> 00:00:56,399

year 13 we plan to perform ground and

22

00:01:01,189 --> 00:00:58,879

flight tests with standard jet fuel and

23

00:01:03,750 --> 00:01:01,199

alternative fuel blends to understand

24

00:01:05,590 --> 00:01:03,760

and measure contrail formation as well

25

00:01:07,830 --> 00:01:05,600

as measure gaseous and particulate

26

00:01:09,670 --> 00:01:07,840

emissions in the atmosphere

27

00:01:11,910 --> 00:01:09,680

these tests will give us insight into

28

00:01:14,390 --> 00:01:11,920

how altitude and alternative fuels

29

00:01:16,550 --> 00:01:14,400

affect engine emissions and determine if

30

00:01:21,990 --> 00:01:16,560

alternative fuels affect the formation

31

00:01:26,550 --> 00:01:23,350

at its core

32

00:01:28,950 --> 00:01:26,560

nasa remains about american innovation

33

00:01:31,109 --> 00:01:28,960

and american ingenuity we're keeping the

34

00:01:33,109 --> 00:01:31,119

us the world leader in space exploration

35

00:01:35,270 --> 00:01:33,119

and showcasing our knack for solving

36

00:01:37,830 --> 00:01:35,280

problems and improving life here on

37

00:01:41,190 --> 00:01:40,310

logistics how to get packages into space

38

00:01:42,230 --> 00:01:41,200

so

39

00:01:44,230 --> 00:01:42,240

you're

40

00:01:46,710 --> 00:01:44,240

very productive at wallops island on the

41

00:01:49,109 --> 00:01:46,720

eastern shore and the purpose of the

42

00:01:51,350 --> 00:01:49,119

test was a it was a good news we don't

43

00:01:53,910 --> 00:01:51,360

agree with everything but in principle i

44

00:01:55,590 --> 00:01:53,920

agree we went mercury germany apollo

45

00:01:57,590 --> 00:01:55,600

that's about all i can you know i would

46

00:01:59,749 --> 00:01:57,600

i would choose to say but you will

47

00:02:01,749 --> 00:01:59,759

understand when i say we can choose to

48

00:02:03,830 --> 00:02:01,759

step back take a break

49

00:02:05,749 --> 00:02:03,840

and wade life better for somebody here