WHY THE MOON

1
00:00:05,110 --> 00:00:02,070
we

2
00:00:10,950 --> 00:00:08,070
the history of this agency is marked

3
00:00:12,950 --> 00:00:10,960
with broken barriers once viewed as

4
00:00:16,470 --> 00:00:12,960
impossible

5
00:00:19,670 --> 00:00:16,480
with science fiction turned reality with

6
00:00:21,590 --> 00:00:19,680
innovations that have spun industries

7
00:00:23,750 --> 00:00:21,600
all their own

8
00:00:29,109 --> 00:00:23,760
and with demonstrations

9
00:00:37,270 --> 00:00:34,069
we soar in the skies of our home planet

10
00:00:39,190 --> 00:00:37,280
we maintain a human presence just

11
00:00:42,310 --> 00:00:39,200
outside of gravity

12
00:00:44,869 --> 00:00:42,320
and we touch points all across the solar

13
00:00:46,869 --> 00:00:44,879

system and beyond

14
00:00:50,069 --> 00:00:46,879
we're going back to the moon

15
00:00:54,869 --> 00:00:52,630
the moon is a treasure trove of science

16
00:00:57,750 --> 00:00:54,879
it holds opportunities for us to make

17
00:01:00,470 --> 00:00:57,760
discoveries about our home planet about

18
00:01:02,069 --> 00:01:00,480
our sun and about our solar system

19
00:01:03,990 --> 00:01:02,079
the wealth of knowledge to be gleaned

20
00:01:06,789 --> 00:01:04,000
from the moon will inspire a new

21
00:01:09,429 --> 00:01:06,799
generation of thought and action without

22
00:01:11,429 --> 00:01:09,439
fail every major program and mission

23
00:01:13,590 --> 00:01:11,439
nasa has invested in has led to

24
00:01:15,030 --> 00:01:13,600
technologies and capabilities that have

25
00:01:17,030 --> 00:01:15,040
shaped our culture

26
00:01:19,270 --> 00:01:17,040
the breakthroughs of the artemis era

27
00:01:21,109 --> 00:01:19,280
will define our generation and the

28
00:01:23,429 --> 00:01:21,119
generations to follow

29
00:01:25,670 --> 00:01:23,439
the tens of thousands of jobs associated

30
00:01:28,149 --> 00:01:25,680
with propelling us to the moon today are

31
00:01:30,310 --> 00:01:28,159
just the beginning of a lunar economy

32
00:01:33,270 --> 00:01:30,320
that will see hundreds of thousands of

33
00:01:35,510 --> 00:01:33,280
new jobs develop around the world this

34
00:01:37,830 --> 00:01:35,520
is not an ambition of one entity or one

35
00:01:39,190 --> 00:01:37,840
country the exploration of the moon is a

36
00:01:41,429 --> 00:01:39,200
shared effort

37
00:01:42,550 --> 00:01:41,439
woven together by a desire for the

38
00:01:44,710 --> 00:01:42,560

greater good

39
00:01:47,030 --> 00:01:44,720
why the moon because the missions of

40
00:01:48,789 --> 00:01:47,040
tomorrow will be sparked by the

41
00:01:50,469 --> 00:01:48,799
accomplishments of the artemis

42
00:01:53,030 --> 00:01:50,479
generation today

43
00:01:56,069 --> 00:01:53,040
because the ambition to go has already

44
00:01:57,670 --> 00:01:56,079
begun and because mars is calling we

45
00:01:59,990 --> 00:01:57,680
need to learn what it takes to establish

46
00:02:04,310 --> 00:02:00,000
community on another cosmic shore

47
00:02:05,510 --> 00:02:04,320
so let's camp close before pushing out

48
00:02:08,150 --> 00:02:05,520
and so

49
00:02:11,670 --> 00:02:08,160
we go to the moon now not as a series of

50
00:02:18,309 --> 00:02:14,790
but to build a community on and around

51
00:02:20,590 --> 00:02:18,319
the moon capable of proving how to live

52
00:02:25,270 --> 00:02:20,600
on other worlds

53
00:02:29,670 --> 00:02:27,270
we'll use the lessons for more than 50

54
00:02:31,750 --> 00:02:29,680
years of peaceful exploration

55
00:02:34,070 --> 00:02:31,760
to send a new generation to the lunar

56
00:02:35,830 --> 00:02:34,080
surface to stay we will anchor our

57
00:02:37,830 --> 00:02:35,840
efforts on the lunar south pole to

58
00:02:40,150 --> 00:02:37,840
establish the artemis-based camp

59
00:02:42,790 --> 00:02:40,160
positioning us for long-term science and

60
00:02:45,030 --> 00:02:42,800
exploration of the lunar surface

61
00:02:47,670 --> 00:02:45,040
we will prove what it takes to assemble

62
00:02:50,630 --> 00:02:47,680
a complex ship in deep space

63
00:02:53,270 --> 00:02:50,640

we will perfect descending down to and

64
00:02:55,750 --> 00:02:53,280
returning from a distant surface

65
00:02:58,630 --> 00:02:55,760
we will learn how humans can survive and

66
00:03:00,710 --> 00:02:58,640
thrive in a partial gravity environment

67
00:03:03,030 --> 00:03:00,720
with improved species designs mobile

68
00:03:05,670 --> 00:03:03,040
habitats and with reconnaissance robots

69
00:03:07,110 --> 00:03:05,680
pre-positioning and relocating supplies

70
00:03:09,509 --> 00:03:07,120
we will learn how to utilize the

71
00:03:11,190 --> 00:03:09,519
resources we find on these other worlds

72
00:03:13,270 --> 00:03:11,200
starting with finding water ice and

73
00:03:15,670 --> 00:03:13,280
purifying it to drinkable water and

74
00:03:17,350 --> 00:03:15,680
refining that into hydrogen for fuel and

75
00:03:20,149 --> 00:03:17,360
oxygen to breed

76
00:03:22,470 --> 00:03:20,159
we will establish fission power plants

77
00:03:24,229 --> 00:03:22,480
on the surface of the moon capable of

78
00:03:25,270 --> 00:03:24,239
supporting a growing community of

79
00:03:27,430 --> 00:03:25,280
efforts

80
00:03:29,270 --> 00:03:27,440
and we will expand the logistics supply

81
00:03:31,830 --> 00:03:29,280
chain to enable commercial and

82
00:03:34,650 --> 00:03:31,840
international partners to resupply and

83
00:03:36,070 --> 00:03:34,660
refuel deep space outposts

84
00:03:38,390 --> 00:03:36,080
[Music]

85
00:03:40,070 --> 00:03:38,400
none of this is simple

86
00:03:42,869 --> 00:03:40,080
or easy

87
00:03:48,710 --> 00:03:42,879
but nothing in our history ever has been

88
00:03:53,910 --> 00:03:51,110

this kind of continuous lunar presence

89
00:03:57,270 --> 00:03:53,920
is a natural extension of all that we've

90
00:03:59,830 --> 00:03:57,280
learned in low earth orbit

91
00:04:02,949 --> 00:03:59,840
and what we will accomplish there will

92
00:04:05,830 --> 00:04:02,959
ensure the monumental missions to mars

93
00:04:08,710 --> 00:04:05,840
are within reach

94
00:04:10,630 --> 00:04:08,720
as we ready the launch of the first

95
00:04:12,789 --> 00:04:10,640
artemis mission

96
00:04:15,589 --> 00:04:12,799
and as commercial companies ready their

97
00:04:17,670 --> 00:04:15,599
lunar landers for the first private

98
00:04:18,949 --> 00:04:17,680
payload deliveries

99
00:04:21,189 --> 00:04:18,959
we

100
00:04:24,100 --> 00:04:21,199
have already begun