
HOUSE RESOLUTION

SUPPORTING THE WORKFORCE PIPELINE PROGRAM OF THE THIRTY METER
TELESCOPE PROJECT.

1 WHEREAS, in the 2001 Decadal Survey for Astronomy conducted
2 by the United States National Research Council, the scientific
3 community identified the critical need for a telescope with a
4 thirty meter primary mirror capable of achieving better
5 resolution and light-gathering power than any observatory
6 constructed to date; and
7

8 WHEREAS, subsequently, the Thirty Meter Telescope
9 Observatory Corporation, a non-profit company, was formed to
10 plan, design, build, and operate the Thirty Meter Telescope; and
11

12 WHEREAS, the Thirty Meter Telescope Project is a
13 partnership of the University of California, California
14 Institute of Technology, and the Association of Canadian
15 Universities for Research in Astronomy, with the National
16 Astronomical Observatory of Japan as a collaborating agency; and
17

18 WHEREAS, the Thirty Meter Telescope will be the world's
19 most advanced and capable observatory, with the ability to study
20 objects too faint or too distant to observe with existing
21 facilities, and will be a key tool for answering many of the
22 most compelling and important questions in all of science,
23 including the evolution of galaxies and the formation of stars
24 and planets; and
25

26 WHEREAS, in July 2009, the Board of Directors of the Thirty
27 Meter Telescope Observatory Corporation selected Mauna Kea on
28 Hawaii Island as the preferred site for the Thirty Meter
29 Telescope; and
30

31 WHEREAS, the Thirty Meter Telescope Project would provide
32 long term potential employment on Hawaii Island for astronomers;
33 a wide range of engineers and engineering technicians; staff to
34 maintain and direct equipment at the observatory; and scientific



1 support, public outreach, management, and administrative
2 personnel; and
3

4 WHEREAS, after the telescope is built, observatory
5 operations will require approximately one hundred twenty full-
6 time jobs, and the Thirty Meter Telescope Project is committed
7 to hiring as many members of the local workforce as possible;
8 and
9

10 WHEREAS, to achieve this goal, the Thirty Meter Telescope
11 Project is currently developing a Workforce Pipeline Program to
12 ensure a highly skilled, local workforce for the Hawaii
13 observatory, as well as other observatories and high-tech
14 companies; and
15

16 WHEREAS, the Workforce Pipeline Program will focus on
17 efforts such as strengthening STEM (Science, Technology,
18 Engineering, and Math) skills infrastructure, developing or
19 expanding program and curricula at the University of Hawaii at
20 Hilo, Hawaii Community College, and Hawaii Island K-12 education
21 organizations serving lower-income and first-generation college
22 attendees; and
23

24 WHEREAS, the Workforce Pipeline Program will include
25 scholarships, internships, and mentorships to support students
26 from elementary school to college graduate school, with the
27 ultimate goal of strengthening STEM skills throughout Hawaii
28 Island; and
29

30 WHEREAS, the Thirty Meter Telescope Project is pursuing
31 partnerships with the Department of Education, independent and
32 charter schools, Hawaii Community College, and the University of
33 Hawaii at Hilo to initiate education and training programs that
34 will prepare Hawaii's workforce for high technology jobs in the
35 future; and
36

37 WHEREAS, the Thirty Meter Telescope Project is also
38 pursuing a partnership with Imiloa Astronomy Center, a part of
39 the University of Hawaii at Hilo, in its workforce pipeline
40 efforts to provide cultural grounding to its technical and
41 educational training; and
42

43 WHEREAS, the Thirty Meter Telescope Project also hopes to
44 explore collaborative relationships with Hawaiian organizations



H.R. NO. 170

1 including Kamehameha Schools, the Office of Hawaiian Affairs,
2 and Alu Like; and

3
4 WHEREAS, the Workforce Pipeline Program will provide a much
5 needed community benefit with positive long term effects for the
6 people of Hawaii Island and the State of Hawaii; and

7
8 WHEREAS, although full implementation of the Workforce
9 Pipeline Program is not expected to commence until after
10 construction is underway, it is incumbent upon the Thirty Meter
11 Telescope Project to begin the process of outlining its
12 workforce pipeline goals, strategies, outcomes, and proposed
13 collaborative partners; now, therefore,

14
15 BE IT RESOLVED by the House of Representatives of the
16 Twenty-sixth Legislature of the State of Hawaii, Regular Session
17 of 2011, that the Legislature supports and encourages the Thirty
18 Meter Telescope Observatory Corporation's collaboration with the
19 Department of Education; independent and charter schools; Hawaii
20 Community College; the University of Hawaii at Hilo; state,
21 county, and private-sector workforce entities; community
22 organizations; and the astronomy industry to help develop,
23 implement, and sustain a comprehensive Workforce Pipeline
24 Program that will prepare the local workforce for employment at
25 the Thirty Meter Telescope Project and other high technology
26 projects in Hawaii; and

27
28 BE IT FURTHER RESOLVED that the Thirty Meter Telescope
29 Project is encouraged to identify appropriate apprenticeship
30 program opportunities with relevant trades and to formulate a
31 preliminary curriculum for students interested in STEM fields;
32 and.

33
34 BE IT FURTHER RESOLVED that certified copies of this
35 Resolution be transmitted to the Chairperson of the University of
36 Hawaii Board of Regents, the President of the University of
37 Hawaii, the Chancellor of the University of Hawaii at Hilo, the
38 Chancellor of Hawaii Community College, the Chairperson of the
39 Board of Education, the Superintendent of Education, the
40 Executive Director of the Charter School Administrative Office,
41 the Executive Director of the Hawaii Association of Independent



H.R. NO. 170

1 Schools, and the Chairperson of the Thirty Meter Telescope
2 Observatory Corporation Board of Directors.

3
4
5

OFFERED BY:

Jimmy Murray
Elukshuma

[Signature]

[Signature]
[Signature]

Denny Coffey
Cindy Evans

MAR 16 2011

