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# HOUSE CONCURRENT 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

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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

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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

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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

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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

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31           WHEREAS, the Thirty Meter Telescope Project would provide  
32 long term potential employment on Hawaii Island for astronomers;



1 a wide range of engineers and engineering technicians; staff to  
2 maintain and direct equipment at the observatory; and scientific  
3 support, public outreach, management, and administrative  
4 personnel; and

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

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

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

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

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

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

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1           WHEREAS, the Thirty Meter Telescope Project also hopes to  
2 explore collaborative relationships with Hawaiian organizations  
3 including Kamehameha Schools, the Office of Hawaiian Affairs,  
4 and Alu Like; and

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

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

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

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

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



# H.C.R. NO. 197

1 Thirty Meter Telescope Observatory Corporation Board of  
2 Directors.  
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OFFERED BY:

*Josephine*

*H. K. Kishore*

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*[Signature]*

*Denny Coffin*

*Cindy Evans*

MAR 16 2011

