

House District 29

Senate District 13

THE TWENTY-SIXTH LEGISLATURE  
HAWAII STATE LEGISLATURE  
APPLICATION FOR GRANTS & SUBSIDIES  
CHAPTER 42F, HAWAII REVISED STATUTES

Log No. 6-0

For Legislature's Use Only

Type of Grant or Subsidy Request:

GRANT REQUEST - OPERATING

GRANT REQUEST - CAPITAL

SUBSIDY REQUEST

REC'D JAN 28 2011

"Grant" means an award of state funds by the legislature, by an appropriation to a specified recipient, to support the activities of the recipient and permit the community to benefit from those activities.

"Subsidy" means an award of state funds by the legislature, by an appropriation to a recipient specified in the appropriation, to reduce the costs incurred by the organization or individual in providing a service available to some or all members of the public.

"Recipient" means any organization or person receiving a grant or subsidy.

STATE DEPARTMENT OR AGENCY RELATED TO THIS REQUEST (LEAVE BLANK IF UNKNOWN):

STATE PROGRAM I.D. NO. (LEAVE BLANK IF UNKNOWN): BUF 101

1. APPLICANT INFORMATION:

Legal Name of Requesting Organization or Individual:  
Bishop Museum  
Dba:  
Same  
  
Street Address: 1525 Bernice Street, Honolulu HI 96817  
  
Mailing Address: Same

2. CONTACT PERSON FOR MATTERS INVOLVING THIS APPLICATION:

Name MIKE SHANAHAN  
  
Title Director of Education and Exhibits  
  
Phone # 847-8235  
  
Fax # 847-8250  
  
e-mail mikes@bishopmuseum.org

3. TYPE OF BUSINESS ENTITY:

- NON PROFIT CORPORATION
- FOR PROFIT CORPORATION
- LIMITED LIABILITY COMPANY
- SOLE PROPRIETORSHIP/INDIVIDUAL

6. DESCRIPTIVE TITLE OF APPLICANT'S REQUEST:

BISHOP MUSEUM SCHOOL VISIT & OUTREACH PROGRAM

4. FEDERAL TAX ID [REDACTED]

5. STATE TAX ID [REDACTED]

7. AMOUNT OF STATE FUNDS REQUESTED:

FY 2011-2012: \$ 450,000

8. STATUS OF SERVICE DESCRIBED IN THIS REQUEST:

- NEW SERVICE (PRESENTLY DOES NOT EXIST)
- EXISTING SERVICE (PRESENTLY IN OPERATION)

SPECIFY THE AMOUNT BY SOURCES OF FUNDS AVAILABLE AT THE TIME OF THIS REQUEST:

STATE \$ 0  
FEDERAL \$ 0  
COUNTY \$ 0  
PRIVATE/OTHER \$ 0

TYPE OF REPRESENTATIVE:

[REDACTED]

TIMOTHY JOHNS, PRESIDENT & CEO

NAME & TITLE

1/27/11

DATE SIGNED

## Application for Grants and Subsidies

*If any item is not applicable to the request, the applicant should enter "not applicable".*

### I. Background and Summary

*This section shall clearly and concisely summarize and highlight the contents of the request in such a way as to provide the State Legislature with a broad understanding of the request. Include the following:*

#### **1. A brief description of the applicant's background.**

Charles Reed Bishop founded the Bishop Museum in 1889 honoring his late wife Bernice Pauahi Bishop, who was the great granddaughter of Kamehameha the Great. Although private, the Museum is designated by Hawai'i legislation as the State of Hawai'i Museum of Natural and Cultural History. In addition to its principal campus in Kalihi, the Museum includes the Amy B.H. Greenwell Ethnobotanical Garden on the Island of Hawai'i.

Bishop Museum's mission, approved by the Board of Directors in 2007, is to preserve, study and tell the stories of the cultures and natural history of Hawai'i and the Pacific.

The Bishop Museum is a place where residents and visitors to the islands can learn about the cultural and natural heritage of Hawai'i and the Pacific and discover the wonders of science through fun, hands on exhibits and programs. Over 400,000 individuals, including approximately 44,700 children, visit on site and off site each year. Approximately 25,000 school children visit as part of public school field trips on site and off site.

One of the most important attractions for residents, school children and tourists alike is Hawaiian Hall. The Hall opened in 1903 and reopened in summer 2009 after a thorough three year renovation. The revitalized exhibits in the Hall was designed by world famous museum designer Ralph Appelbaum Associates, who worked closely with Museum staff, cultural practitioners, academic advisers and community members in its design and creation.

In summer 2010 Bishop Museum presented *E Kū Ana Ka Paia: Unification, Unity and the Kū Images*. The exhibition brought the world's last three remaining large carvings of Kū together in Hawaiian Hall. This includes Bishop Museum's Kū and also the Kū from the British Museum in London and Peabody Essex Museum in Salem, Massachusetts. Over 6,600 school children saw this exhibit during its June 5–October 4, 2010 appearance.

While Hawaiian Hall is Bishop Museum's heart and soul, the Museum tells other Pacific stories as well.

- In April 2011 the Long Gallery reopens after a five month renovation. The exhibits in this gallery combine contemporary Hawaiian art with artifacts from the Museum's collection. The rotating exhibits in the Long Gallery tell the story of Hawaiian art a living, breathing, evolving entity.
- In fall 2011 the Museum will open a new Hawai'i immigrant exhibition, featuring some of the 4,500 immigrant related artifacts in the Museum's collection. Hawai'i public schools generally study the Hawai'i immigrant experience in third grade, and this new semi permanent exhibit will be a particularly useful educational tool for that grade level.
- In summer 2012 Bishop Museum will open the renovated Polynesian Hall, with its focus on the cultures of the Pacific, their diversity and connections, their origins from common ancestors, and their impact on the Hawaiian culture.

In 2005 Bishop Museum opened the Richard T. Mamiya Science Adventure Center (SAC), Hawai'i's first full scale, hands on science center. A unique feature about Bishop Museum's science center is that it's the only one in the world that is devoted entirely to the science of one specific region. From the three story high erupting volcano to the 10,000 gallon deep sea tank, SAC explores the science of Hawai'i. By featuring the world of Bishop Museum's own natural scientists, SAC also allows visitors to explore "the science that Hawai'i is famous for."

The Bishop Museum Jhamandas Watumull Planetarium offers live, interactive astronomy programs from the perspectives of traditional knowledge and contemporary science.

Traveling exhibits address many educational topics for Hawai'i residents that are not otherwise available to them on the islands. These exhibits are an important engine for driving field trip attendance at Bishop Museum. Upcoming special exhibits include *Dinosaurs Unearthed* (March 5–September 5, 2011) and *Facing Mars* (October 15, 2011–January 2, 2012).

In addition to these permanent and temporary exhibits, Bishop Museum education staff and docents present 40 different programs for visiting school children. Bishop Museum is committed to enhancing formal education in the Islands by creating exhibits and programs that enrich and augment the classroom experience, from highly significant cultural artifacts to immersive science exhibits.

## **2. The goals and objectives related to the request.**

Bishop Museum's Student Visit & Outreach Program serves more than 150 public schools and over 25,000 public school students annually. About 100 of these public schools are Title I schools<sup>1</sup> where at least half the student population is on a free or reduced lunch program. About 15,000 of the 25,000 public school students are from those

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<sup>1</sup> Title I schools receive additional federal assistance based on student economic need.

Title I schools. In addition to the students, Bishop Museum serves over 200 teachers annually with teacher workshops and other special teacher events.

School programming consists of a number of elements – student tours and programs of the Museum, student sleepovers, science and culture outreach programs, teacher workshops, and online resources for teachers on the Museum’s website. Together these elements complement and add value to the overall public education curriculum.

The goal of the Student Visit and Outreach Program is to supplement the State Department of Education’s formal education curriculum with exhibits, on site and off site programs, and electronic outreach that address the Hawai‘i Content and Performance Standards III for primary and secondary education in science, social studies, and other areas.

The objectives of the Student Visit and Outreach Program are to:

- Provide Hawai‘i’s children with unique hands on educational and learning opportunities;
- Provide Hawai‘i’s children with access to natural and cultural resources on the history of Hawai‘i;
- Support the work of teachers and students in the classroom with standards-aligned exhibits and programs;
- Provide teachers with valuable training in science and culture that is applicable to their classrooms;
- Introduce teachers to the ways their curriculum can be supplemented by object based activities and Museum visits; and
- Provide educational guides and materials to assist the teacher in the classroom such as online teacher guides and online digitized collections images linked to information and educational standards.

### **3. State the public purpose and need to be served.**

Bishop Museum provides an invaluable service to Hawai‘i’s public education system. Roughly 25,000 public school students and adults experience Bishop Museum programs annually. This number includes the following categories:

- Public school students and teachers who attend field trips and participate in informal educational programs at the Bishop Museum Kalihi campus;
- Students and teachers who experience exhibits and programs at the Bishop Museum’s satellite site, the Amy B.H. Greenwell Ethnobotanical Garden at Captain Cook on Hawai‘i Island;
- Public school students and teachers who experience the science and cultural outreach programs that the Museum takes to schools and community centers across the state;
- Sleepover programs where students get to “camp out” at the Museum;
- Teacher workshops and other teacher focused programs.

Students are exposed to educational programs that provide unique learning opportunities. For example the Museum recently created a full set of standards aligned student programs for the renovated Hawaiian Hall. Eighteen Hawaiian Hall school programs debuted in 2009-2010. These include 13 sit down, “beginning/ middle/end” school programs and five school tours of Hawaiian Hall. A new team of over 50 docents were recruited and trained specifically for Hawaiian Hall and specifically to help bring the Hall and its programs to life.

Bishop Museum also offers science program both on NOAA’s *Science on a Sphere* (eight school programs total) and in the Richard T. Mamiya Science Adventure Center (10 programs total). Science and culture mix in the Watumull planetarium, where the student offerings include programs on Polynesian Navigation and Mauna Kea.

In terms of outreach programs, the Museum offers 20 *Holoholo Science* programs and six *Ola Nā Mo ‘ōlelo* cultural outreach programs. Greenwell Garden offers 10 programs on site and four programs for outreach purposes on Hawai‘i Island. Each of these programs is linked to appropriate grade levels and the new Hawai‘i Content and Performance Standards III (HCPS III) benchmarks in Science, Social Studies, World Languages, Language Arts, and Physical Education.

The following is a description of elements of the Student Visit and Outreach Program and the public purpose and needs that are served.

#### Student Tours of the Museum

Student visits usually last about three hours, generally from 9:00am-12:00 noon. These visits are scheduled on weekdays, with the occasional weekend visit. A typical visit will include the new renovated Hawaiian Hall. Students also tour the special traveling exhibit on the first floor of Castle Memorial Building. Traveling exhibits are a very important factor in school attendance at Bishop Museum. Exhibits such as *Whales: Giants of the Deep* and *Megalodon* (2008), and *Dinosaurs Unearthed* (fall 2009) have been responsible for sharp spikes in school attendance for the duration of the exhibits. We expect similar strong attendance this year with the return of the *Dinosaurs Unearthed* (March 5–September 5, 2011) and *Facing Mars* (October 15, 2011–January 2, 2012). The Richard T. Mamiya Science Adventure Center, with its 16,000 square feet of interactive exhibits and programs, has also become a major attraction for school groups of all ages.

To supplement these student tours, school visitors also attend two or three of the different educational programs offered by the Museum’s education staff. Programs are student focused and offer interactive learning experiences through objects, images, or storytelling. Bishop Museum offers a range of over 40 informal educational programs for student group visits. Programs vary in length from 25 minutes up to one hour. These programs fall into four general areas.

1. In 2008-2009 Bishop Museum developed a full suite of 18 new Hawaiian Hall programs for students in preparation for the Hall’s reopening in summer 2009. The new programs are more in depth than past Hawaiian Hall programming (55

minutes compared to 25 minutes in the past) and are aligned to Hawai'i Content and Performance Standards III. To maximize the education value of the Hall for school visitors, Bishop Museum also developed a new team of over 50 Hawaiian Hall docents specifically to work with school groups in Hawaiian Hall. The docents were provided with 36 hours of general training and now work with the Museum's culture education team to provide student tours and programs in the Hall on a daily basis. Hawaiian Hall programs were attended by **6,984** students in the 2009-10 school year, including **3,637** public school students (**2,306** of them from Title I schools). We expect attendance to be higher in the current year, since the new Hawaiian Hall programs debuted only partway in the 2009-10 year.

2. The Richard T. Mamiya Science Adventure Center programming provides students with an interactive science based educational experience. Program topics include *Here Comes a Lava Flow*, *Tsunamis*, and *Kūpuna Atoll* (a program about the Northwestern Hawaiian Islands). During 2009-10, approximately **5,270** students attended programs in the Science Adventure Center. This includes **3,148** public school students (**1,625** Title I).

3. The Jhamandas Watumull Planetarium offers programs on topics like Polynesian voyaging, Mauna Kea, the planets, and an introduction to the night sky for young children. The programs are interactive and dynamic. The planetarium was the most popular program choice with school groups in 2009-10; **15,883** students visited the Planetarium that year. This includes **10,006** public school students, of whom **5,717** were Title I.

4. *Science on a Sphere* (SOS) is a six-foot globe developed by National Oceanic Atmospheric Administration (NOAA) that is capable of showing data sets that range from current earth weather patterns to the swirling surface of Jupiter. SOS debuted in the winter of 2006. Bishop Museum offers 10 different student programs on the sphere, from *Wonders of Water* to *Attack of the Giant Cell*. All programs are aligned to HCPS III standards. **5,540** students attended *Science on a Sphere* programs in 2009-10, including **3,476** public school students (**2,075** Title I).

#### Sleepover Program

The Museum's sleepover program for school children involves students "camping" overnight at the Museum in Castle Memorial Building. Students arrive at 6 p.m. and are welcomed by the Bishop Museum education staff that run the program. The students then explore the Mamiya Science Adventure Center, the special exhibits hall, Polynesian Hall, and Hawaiian Hall. The students see a planetarium show on Polynesian voyaging, attend education programs in the buildings, and sleep in the Mamiya Science Adventure Center.

### Outreach programs

Cultural outreach is provided by *Ola Nā Mo 'ōlelo* (Living Stories), which combines dramatic storytelling with a display of artifacts from the Museum. In *'Umialīloa*, for example, a dramatization of 'Umi's experiences in 14<sup>th</sup> century Hawai'i are followed by a display and discussion of artifacts such as 'ulu maika (game stones) and lei niho palaoa (whale tooth pendant), which played a key role in the story the children just experienced. Other dramatic programs include *Hamumu* (the dramatized experiences of a typical Hawaiian whaler of the 19<sup>th</sup> century), *Nāhi'ena'ena*, and *Mythic Heroes* (about Maui, Pele and Kamapua'a). All of these programs can be presented before a single classroom or a large assembly. These programs are presented both on O'ahu and on all neighbor islands.

While *Ola Nā Mo 'ōlelo* relies on dramatic storytelling and Museum artifacts for impact, *Holoholo Science* features scientists in the classroom, hands on, inquiry based science activities, and equipment not readily available in schools, from infrared cameras to portable planetariums. A very popular *Holoholo Science* program is "Family Science Night," which features a wide array of hands on science activities at schools and community centers for the entire family. *Holoholo Science* also offers programs for large assemblies; classroom programs; and presentations in portable planetariums. These programs are presented on O'ahu but also on all neighbor islands. Neighbor island tours are organized in scheduled tours each year. The tour of the Island of Hawai'i is always two weeks; tours of Maui, Kaua'i, Lāna'i and Moloka'i run either one or two weeks depending on demand. In a typical year over 40 percent of *Holoholo* delivery is done on the neighbor islands. In 2009-10, for example, *Holoholo* reached 15,357 students total, of whom 6,507 were on the neighbor islands.

Both cultural and science outreach programs travel throughout the islands, and are a key way in which Bishop Museum extends its resources and services to the Neighbor Island students.

### Electronic outreach

Electronic outreach, aimed at teachers, is rapidly becoming an important tool for teachers as well as students and families. Several pages on Bishop Museum's website provide vast quantities of information relating to its collections, such as the Online Ethnology Database, library and archives holdings, the Hawai'i Biology Survey databases, and the new **Hawai'i ALIVE** website ([www.hawaiialive.org](http://www.hawaiialive.org)), which was developed expressly for teachers.

Bishop Museum's Library and Archives collections contain countless treasures that preserve stories, images, and sounds of Hawai'i and the Pacific. While the collection is routinely made available during regular public hours, staff members are engaged in determining useful methods for expanding access. Projects to install a bank of digital images on the Museum's website are among the activities

that will support our goals to broaden the Museum's user base for the benefit of those interested in Hawaiian history and culture.

#### Teacher Workshops

Bishop Museum has established itself as a center for informal science and cultural education. The Museum offers about a dozen teacher workshops and other special teacher events per year to a total of about 200 teachers. The Museum's scientists and educators offer workshops to teachers that provide basic biological, botanical, and geological knowledge of Hawai'i's natural environment. These workshops are intended to support the State's education initiatives and provide teachers with new information and approaches to teach science. These workshops also allow teachers to use the Museum's staff and their expertise for species identification and general information.

#### **4. Describe the target population to be served.**

Bishop Museum's School Visit program targets Hawai'i's children in the public education system. The Museum's website targets teachers, students and the general public. Currently there are 285 public schools in the state of Hawai'i that provide classroom education for 181,355 students. Between onsite programs, sleepovers, and outreach, Bishop Museum annually serves about 185 of those schools (approximately 65 percent of all public schools statewide) and more than 25,000 students from grades K-12.

#### **5. Describe the geographic coverage.**

Bishop Museum's Student Visit and Outreach Program services students in the State of Hawai'i. School groups, youth community groups, and teachers from each of the major islands come to the Museum annually. An estimate of the breakdown of schools that visit per island each year is as follows: 120 schools from O'ahu, 10 schools from Hawai'i Island, 12 from Maui, 1 from Lāna'i, 1 from Moloka'i, and 6 from Kaua'i. Neighbor Island students are less likely to visit Bishop Museum on O'ahu because of the travel costs; however, the Museum's Outreach programs – *Holoholo Science* and *Ola Nā Mo'ōlelo* – do visit schools on the Neighbor Islands. And the Museum's websites, which provide scientific and cultural information, are available to anyone with access to the internet.

## **II. Service Summary and Outcomes**

*The Service Summary shall include a detailed discussion of the applicant's approach to the request. The applicant shall clearly and concisely specify the results, outcomes, and measures of effectiveness from this request.*

#### **1. Describe the scope of work, tasks and responsibilities.**

In school year 2011-2012 Bishop Museum will serve 25,000 public school students from 150 public schools. Of these visitors, 15,000 students (60%) will attend Title I schools. The Museum will also serve 200 public school teachers (120 from Title I schools). It will ensure that important educational programs such as the



Student/Youth Visits of the Museum, Sleepovers, Educational Outreach, Teacher Workshops and programs, and the Museum's online resources for teachers are maintained and regularly improved.

**2. The applicant shall provide a projected annual timeline for accomplishing the results or outcomes of the service.**

Project outcomes:

- a. Schedule and deliver educational programs to at least **14,000** public school children at Bishop Museum's main campus and the Amy Greenwell Ethnobotanical Garden on Hawai'i Island. Title I school students will make up **8,400** of those visiting. Greenwell will waive admission to Title I students.
- b. Schedule and deliver at least 15 sleepover events for at least **1,000** public school students (900 will be from Title I schools).
- c. Schedule and deliver outreach educational programs to **10,000** public school students on O'ahu and the neighboring islands (3,000 will come from Title I schools). This includes the cultural outreach program *Ola Nā Mo'ōlelo* (Living Stories) and *Holoholo Science*, the interactive science programs.
- d. Schedule and deliver at least seven teacher centered special events and workshops on special topics such as Hawaiian Hall, early childhood education, astronomy, and current traveling exhibits at the Museum. Supplement the workshops with special events and Teachers' Open House, which is held annually in October. **200** public school teachers are expected to participate.

This request for funding will assist in helping the Museum maintain its affordable school admission and workshop admission fees. Currently, students are charged \$5.00 when visiting with a school, and teachers and chaperones are admitted free to the Museum. With GIA support, the Museum will be able to continue to charge these reduced rates to public school students. In addition, Greenwell Garden will charge a reduced rate of \$3 for public schools and waive the charge altogether for Title I students for programming.

The Museum is also committed to providing teacher training workshops for only a modest fee. The Museum is requesting that the State share a portion of the total cost in providing the Student Visit and Outreach Program. This amounts to the difference in the normal child admission of \$8.95 and the school group admission price and the portion of the overall cost in providing the teacher training workshops.

**3. The applicant shall describe its quality assurance and evaluation plans for the request. Specify how the applicant plans to monitor, evaluate, and improve their results.**

- Teachers and other educators are asked to evaluate the programs that their students attend during their field trip; the evaluations are now handed to teachers as they arrive.

- Bishop Museum uses formative evaluation when creating programs, getting input from audience members and revising the programming based on the evaluations.
- In addition to providing evaluation feedback on the specific programs that their students attend, teachers fill out an evaluation form on the quality of their school visit. Evaluations are based on questionnaires distributed to teachers at the end of their visit. Teachers send the evaluations back to the Museum or fill them out online.

In addition to program evaluation, exhibit prototype development is tested beforehand whenever feasible. Grant funded exhibits incorporate exhibit evaluation into the overall plan. To be more responsive to Museum visitors, the Museum conducts electronic surveys to help us determine which exhibit topics are of greatest interest. Bishop Museum staff went through separate, three day training sessions on exhibit evaluation (2010) and program evaluation (2011) to improve their effectiveness as evaluators.

**4. The applicant shall list the measure(s) of effectiveness that will be reported to the State agency through which grant funds are appropriated (the expending agency). The measure(s) will provide a standard and objective way for the State to assess the program's achievement or accomplishment. Please note that if the level of appropriation differs from the amount included in this application that the measure(s) of effectiveness will need to be updated and transmitted to the expending agency.**

- Attendance of public school students at all Bishop Museum educational programs will be reported quarterly to the state;
- Title I attendance will be reported as a separate “call out”;
- Attendance will be tracked not only for each major piece of the Museum’s educational offerings (field trips, Amy Greenwell, outreach, sleepovers) but also for each separate program that the students attend;
- Evaluations will be summarized and included both in the quarterly and the final annual report.

### III. Financial

#### Budget

- 1. The applicant shall submit a budget utilizing the enclosed budget forms as applicable, to detail the cost of the request.**
- 2. The applicant shall provide its anticipated quarterly funding requests for the fiscal year 2011-2012.**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant
\$112,500	\$112,500	\$112,500	\$112,500	\$450,000

These funds will cover both O‘ahu programming and neighbor island programming.

**3. The applicant shall provide a listing of all other sources of funding that they are trying to obtain for fiscal year 2011-2012.**

Bishop Museum receives revenue from school visits and from outreach tuition (\$5/student). These funds help defray the costs of field trips but by no means cover the total costs of our field trip and outreach programs.

#### **IV. Experience and Capability**

**A. Necessary Skills and Experience.**

**The applicant shall demonstrate that it has the necessary skills, abilities, knowledge of, and experience relating to the request. State your experience and appropriateness for providing the service proposed in this application. The applicant shall also provide a listing of verifiable experience of related projects or contracts for the most recent three years that are pertinent to the request.**

Bishop Museum has run field trip programs for over thirty years and has a well-developed system for taking reservations, working out the schedule for each school group, greeting the students as they arrive and providing programs and exhibit experiences. Over forty programs have been developed in the last five years, all aligned to HCPS III, to enhance the field trip experience. Evaluations are used to fine-tune programming to best meet the needs of students and educators. The Museum keeps the educational value of the exhibits in mind when upgrading its permanent exhibits (Hawaiian Hall 2009; Immigrant exhibit 2011; Polynesian Hall 2012), with at least one member of the education department assigned to each exhibit work groups. In addition, the educational merits of each traveling exhibit are factored in to each traveling exhibit that the Museum selects for the Castle Memorial Building, from whales to the human brain.

The Museum has provided science and cultural outreach programming each year since 2000, and now serves about 18,000 students and family members each year. A full infrastructure exists within the education department to take outreach reservations, make flight, hotel, ground transportation and ocean shipping arrangements for neighbor island visits, and evaluate the programming.

**B. Facilities**

**The applicant shall provide a description of its facilities and demonstrate its adequacy in relation to the request. If facilities are not presently available, describe plans to secure facilities. Also describe how the facilities meet ADA requirements, as applicable.**

Bishop Museum is located on 16.5 acres of land in lower Kalihi Valley. Its campus of 17 buildings combines original 19<sup>th</sup> century stone buildings, modern research facilities, a planetarium, an interactive science center with tropical gardens, an interpreted science garden, and the activity filled Great Lawn. The Museum has a total of 79,000 square feet

of exhibit space and of that area, approximately 64,000 square feet are dedicated to long term exhibits and 15,000 square feet to temporary exhibits. The Museum's long term exhibition galleries are devoted to displays featuring the cultural and natural history of Hawai'i and the Pacific region. Hawaiian Hall is a masterpiece of Victorian museum architecture where world renowned collections are showcased. The J.M. Long Gallery features the work of contemporary Native Hawaiian artists along with objects from our collections in a series of temporary exhibits. Polynesian Hall profiles the varied island cultures of Polynesia, Melanesia, and Micronesia. Hawaiian Hall proper was closed in the summer of 2006 to begin restoration and improvements, funded in part by the State of Hawai'i. It reopened in August 2009 with a new elevator lobby, Picture Gallery, and renovated outdoor courtyard. In addition to the complete renovation of the Hall and its exhibits, Hawaiian Hall was also the site of the landmark summer 2010 exhibit *E Kū Ana Ka Paia: Unification, Responsibility and the Kū Images*, which gathered the last three remaining large carvings of Kū in the world in the center of Hawaiian Hall.

The Museum also includes the 70-seat Watumull Planetarium. The Planetarium programs blend prerecorded segments with the planetarium's educator in live sections to explore the night sky. Program topics have a strong focus on Hawai'i, from the telescopes of Mauna Kea to traditional Polynesian canoe navigation. The Planetarium lobby has been transformed into an exhibit on global warming. The centerpiece of the exhibit is *Science on a Sphere* (SOS), created by the National Oceanic and Atmospheric Administration (NOAA). Bishop Museum was one of the first four sites to be awarded an SOS. SOS consists of a six foot globe that is externally lit by four video projectors that are synchronized to cover the sphere in seamless global images. The sphere can show both still images of the earth, planets, and moons of the solar system, and it can show animations of such striking global phenomena as the 2006 hurricane season. Bishop Museum has a full set of school programs, aligned to the Hawai'i Content and Performance standards III, to maximize the educational value of the sphere.

The focus of the dynamic exhibit program is the Castle Memorial Building. The Museum schedules traveling exhibits which bring the world to Hawai'i. The first floor of Castle is dedicated to these temporary shows, which are on display for an average of three months. Traveling exhibits are assessed by the Museum's Exhibit Selection Committee that evaluate exhibits with visitor interest and educational content. Some of these recent traveling exhibits have included *Whales: Giants of the Ocean* (summer 2008); *Animation* (winter 2009); *Backyard Monsters* (summer 2009); and *Dinosaurs Unearthed* (fall 2009); *Circus: Science Under the Big Top* (winter 2010); and *Creatures of the Abyss* (fall 2010). Hawaiian Hall, Polynesian Hall, the Castle Memorial Building, the Planetarium lobby, and the Mamiya Science Adventure Center are compliant with the Americans with Disabilities Act (ADA).

The Richard T. Mamiya Science Adventure Center, which opened in November 2005, contains 16,000 square feet of exhibit space on three levels. The Center showcases immersive, interactive exhibits on the geology, biology, and oceanography of the Hawaiian Islands. Its centerpiece, an active volcano, is modeled after Pu'u 'Ō'ō.

The Native Garden, a tropical botanical garden on the Museum grounds, opened in November 2010 with a strong focus on native flora of the Islands.

The Museum also operates a 15 acre ethnobotanical garden on the island of Hawai'i, Amy B.H. Greenwell Ethnobotanical Garden, that is open to school groups and special interest tours. Greenwell Garden includes an office and propagation facility. The State of Hawai'i has appropriated funding to build a new Visitor Education Center which will provide visitors and school groups with a more comprehensive experience. The visitor's center will open in fall 2011.

## V. Personnel: Project Organization and Staffing

### A. Proposed Staffing, Staff Qualifications, Supervision and Training.

**The applicant shall describe the proposed staffing pattern and proposed service capacity appropriate for the viability of the request. The applicant shall provide the qualifications and experience of personnel for the request and shall describe its ability to supervise, train and provide administrative direction relative to the request.**

Bishop Museum is proud of its professional staff that is composed of accomplished individuals who represent Hawai'i's rich multicultural heritage. The professional staff of educators, exhibit designers, executives, managers, scientists, technical and support specialists are responsible for planning, development, and execution of goals and objectives that support the Museum's strategic plan. The Museum's CEO is Timothy E. Johns.

The key staff involved in Bishop Museum's School Visit and Outreach program are:

- Blair Collis is Chief Operating Officer. He received his Bachelors degree in International Business on scholarship from the University of Hawai'i at Mānoa. He is responsible for the programmatic and operational oversight of the Education and Exhibits Departments, Public Relations and Marketing, Retail operations, Visitor Services, the Bishop Museum Press, Outside Sales, and Amy B.H. Greenwell Ethnobotanical Garden. Mr. Collis has been at Bishop Museum for over seven years.
- Michael P. Shanahan, M.A., University of Washington, is Director of Education, Exhibits and Planetarium. He has extensive experience in Museum management, educational programming, planetarium education, traveling exhibits, and program development. He chairs the committee that decides which traveling shows to bring to Bishop Museum. Mr. Shanahan is on the Association of Science and Technology Centers (ASTC) conference committee, the primary worldwide organization for hands-on science centers. Prior to coming to Bishop Museum Mr. Shanahan worked at Pacific Science Center (PSC) in Seattle for two decades. Positions at PSC included Science Interpreter Manager; Operations Manager; and, most recently, Visitor Education Manager. He joined Bishop Museum in 1999.

- Noelle M.Y.K. Kahanu, B.A., J.D., University of Hawai‘i, Political Science, William S. Richardson School of Law, is Program Manager and project director of the **Hawai‘i ALIVE** project. Ms. Kahanu has managed several educational projects, including cultural outreach programs. She has also developed and coordinated the installation of several exhibits celebrating Native Hawaiian contemporary artists. She has been with the Museum since 1998.
- Andy Owens, B.A., The College of Charleston, Charleston SC, Theatre, is the Museum’s Science Education Manager. Mr. Owens has extensive experience in many aspects of museum education. Former positions include: Director of Public and Interpretive Programs at the Museum of Science and Industry in Tampa, FL; Manager of Programs and Volunteers at the Naples (FL) Botanical Garden; and Manager of Educational Programs, Orlando Science Center. In his most recent position, Mr. Owens was Director of Education and Special Projects at Planet Partnership, where he developed standards based educational programs for grades PreK-12, on a wide range of science topics. He started at Bishop Museum in January 2011.
- Rona Rodenhurst, M.A., University of Hawai‘i Mānoa, Hawaiian Studies, is the Museum’s Culture Education Manager. She worked at the Office of Hawaiian Affairs (OHA) for 20 years as a Senior Planner and Education Officer. She worked at the University of Hawai‘i at Mānoa as the Assistant Director and Instructor in Hawaiian Studies and is fluent in the Hawaiian language, has a Masters Degree in Curriculum and Instruction (Secondary Education), and a Bachelor of Arts in Hawaiian Studies. She has been at the Museum for four years.
- Hi‘ilani Shibata, B.A. University of Hawai‘i, Hawaiian Language, is Manager of Operations in the Education Department. She is responsible for scheduling school visit programs and supervises the Museum Sleepover program. She has been at the Museum since 2000.
- Brad Evans, M.A., University of Hawai‘i, Geography, is the Museum’s Webmaster. Mr. Evans has developed, designed, and produced several computer exhibits and websites, including the *E Hula Mai*, *Hui Panalā‘au*, *Kaho‘olawe*, and *Challenge of the Wind* exhibits, and *Northwestern Hawaiian Islands Expedition* and *Ethnology Database* websites. Mr. Evans is responsible for the maintenance of the Museum’s websites. He has worked at the Museum for over 15 years.
- Peter Van Dyke, M.A., University of Hawai‘i Mānoa, Second Language Acquisition, is the Greenwell Garden Manager. He has experience working with Hawai‘i Island schools and community groups. He oversees plant collection, propagation, and interpretation and has previously managed state and federally funded programs at Greenwell Garden including internships. He has been at Greenwell Garden for 20 years.

**B. Organization Chart.**

**The applicant shall illustrate the position of each staff and line of responsibility/supervision. If the request is part of a large, multi-purpose**

**organization, include an organizational chart that illustrates the placement of this request.**

Organizational chart is attached.

## **VI. Other**

### **A. Litigation**

**The applicant shall disclose any pending litigation to which they are a party, including the disclosure of any outstanding judgement. If applicable, please explain.**

Not applicable.

### **B. Licensure or Accreditation.**

**Specify any special qualifications, including but not limited to licensure or accreditation that applicant possesses relevant to this request.**

Bishop Museum is accredited by the American Association of Museums.

**BUDGET REQUEST BY SOURCE OF FUNDS**  
(Period: July 1, 2011 to June 30, 2012)

Applicant: BISHOP MUSEUM

<b>BUDGET CATEGORIES</b>	<b>Total State Funds Requested (a)</b>	<b>(b)</b>	<b>(c)</b>	<b>(d)</b>
<b>A. PERSONNEL COST</b>				
1. Salaries	295,000	30,000	50,000	
2. Payroll Taxes & Assessments				
3. Fringe Benefits	142,780	14,520	24,200	
<b>TOTAL PERSONNEL COST</b>	<b>437,780</b>	<b>44,520</b>	<b>74,200</b>	
<b>B. OTHER CURRENT EXPENSES</b>				
1. Airfare, Inter-Island	4,000	1,200	1,000	
2. Insurance				
3. Lease/Rental of Equipment	1,200	1,000	1,100	
4. Lease/Rental of Space				
5. Staff Training				
6. Supplies	6,500	4,000	3,000	
7. Telecommunication	520		700	
8. Utilities				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
<b>TOTAL OTHER CURRENT EXPENSES</b>	<b>12,220</b>	<b>6,200</b>	<b>5,800</b>	
<b>C. EQUIPMENT PURCHASES</b>				
<b>D. MOTOR VEHICLE PURCHASES</b>				
<b>E. CAPITAL</b>				
<b>TOTAL (A+B+C+D+E)</b>	<b>450,000</b>	<b>50,720</b>	<b>80,000</b>	
<b>SOURCES OF FUNDING</b>		Budget Prepared By:		
(a) Total State Funds Requested				
(b) Foundation grants		Name (Please type or print)	Phone	
(c) Revenue from education program tuition				
(d)		Signature of Authorized Official	Date	
<b>TOTAL BUDGET</b>	<b>580,720</b>	Name and Title (Please type or print)		



## BUDGET JUSTIFICATION PERSONNEL - SALARIES AND WAGES

Applicant: Bishop Museum

Period: July 1, 2011 to June 30, 2012

POSITION TITLE	FULL TIME EQUIVALENT	ANNUAL SALARY A	% OF TIME ALLOCATED TO GRANT REQUEST B	TOTAL STATE FUNDS REQUESTED (A x B)
Mike Shanahan Director of Education and Exhibits	FT	\$67,500.00	20.00%	\$ 13,500.00
Andrew Owens Science Education Manager	FT	\$56,160.00	30.00%	\$ 16,848.00
Amber Inwood Senior Science Educator	PT	\$28,844.40	40.00%	\$ 11,537.76
Michael Cahill Science Educator	PT	\$32,497.92	35.00%	\$ 11,374.27
To be hired Science Educator	FT	\$36,000.00	45.00%	\$ 16,200.00
To be hired Science Educator	FT	\$36,000.00	44.00%	\$ 15,840.00
Rona Rodenhurst Culture Education Manager	FT	\$45,002.88	30.00%	\$ 13,500.86
Loko Lipscomb Senior Culture Educator	FT	\$35,568.00	40.00%	\$ 14,227.20
Marcus Quinones Culture Educator	FT	\$30,513.60	40.00%	\$ 12,205.44
Kealoha Kelekolio Culture Educator	FT	\$32,460.48	40.00%	\$ 12,984.19
Uluwehi Castro Culture Educator	FT	\$28,080.00	44.00%	\$ 12,355.20
Moses Goods Culture Educator	Casual	\$7,200.00	25.00%	\$ 1,800.00
Joanne Bogan Planetarium Presenter	PT	\$20,888.40	35.00%	\$ 7,310.94
Steve Tearney Planetarium Presenter	PT	\$11,273.60	35.00%	\$ 3,945.76
Melody Chang Planetarium Presenter	PT	\$11,440.00	35.00%	\$ 4,004.00
Peter Van Dyke Director, Amy Greenwell Garden	FT	\$60,000.00	25.00%	\$ 15,000.00
Greenwell Education Staff	FT	\$31,824.00	70.00%	\$ 22,276.80
Greenwell Education Staff	FT	\$31,824.00	70.00%	\$ 22,276.80
Hi'ilani Shibata Education Operations	FT	\$41,408.64	40.00%	\$ 16,563.46
Caitlin Kaopuiki Education Interpreter	PT	\$12,480.00	58.00%	\$ 7,238.40
Kris Guron Education Interpreter	PT	\$12,480.00	59.00%	\$ 7,363.20
To be hired Reservationist	FT	\$33,696.00	60.00%	\$ 20,217.60
Shar Hashimoto Outreach reservationist	PT	\$6,240.00	57.75%	\$ 3,603.60
Brad Evans Webmaster	FT	\$43,954.56	5.00%	\$ 2,197.73
Noelle Kahanu Education Project Manager	FT	\$48,447.36	8.00%	\$ 3,875.79
Athena Sparks Volunteer Coordinator	FT	\$45,000.00	15.00%	\$ 6,750.00
				\$ -
<b>TOTAL:</b>				<b>294,997.00</b>

JUSTIFICATION/COMMENTS:

# BUDGET JUSTIFICATION - EQUIPMENT AND MOTOR VEHICLES

Applicant: Bishop Museum      Period: July 1, 2011 to June 30, 2012

DESCRIPTION EQUIPMENT	NO. OF ITEMS	COST PER ITEM	TOTAL COST	TOTAL BUDGETED
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:			\$ -	
JUSTIFICATION/COMMENTS:				

DESCRIPTION OF MOTOR VEHICLE	NO. OF VEHICLES	COST PER VEHICLE	TOTAL COST	TOTAL BUDGETED
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:			\$ -	
JUSTIFICATION/COMMENTS:				
<b>NOT APPLICABLE</b>				

**BUDGET JUSTIFICATION  
CAPITAL PROJECT DETAILS**

Applicant: Bishop Museum

Period: July 1, 2011 to June 30, 2012

FUNDING AMOUNT REQUESTED						
TOTAL PROJECT COST	ALL SOURCES OF FUNDS RECEIVED IN PRIOR YEARS		STATE FUNDS REQUESTED FY: 2011-2012	OF FUNDS REQUESTED FY: 2011-2012	FUNDING REQUIRED IN SUCCEEDING YEARS	
	FY: 2009-2010	FY: 2010-2011			FY: 2012-2013	FY: 2013-2014
PLANS						
LAND ACQUISITION						
DESIGN						
CONSTRUCTION						
EQUIPMENT						
TOTAL:						
JUSTIFICATION/COMMENTS:						
<b>NOT APPLICABLE</b>						

**DECLARATION STATEMENT  
APPLICANTS FOR GRANTS AND SUBSIDIES  
CHAPTER 42F, HAWAII REVISIED STATUTES**

The undersigned authorized representative of the applicant acknowledges that said applicant meets and will comply with all of the following standards for the award of grants and subsidies pursuant to section 42F-103, Hawaii Revised Statutes:

- (1) Is licensed or accredited, in accordance with federal, state, or county statutes, rules, or ordinances, to conduct the activities or provide the services for which a grant or subsidy is awarded;
- (2) Comply with all applicable federal and state laws prohibiting discrimination against any person on the basis of race, color, national origin, religion, creed, sex, age, sexual orientation, or disability;
- (3) Agree not to use state funds for entertainment or lobbying activities; and
- (4) Allow the state agency to which funds for the grant or subsidy were appropriated for expenditure, legislative committees and their staff, and the auditor full access to their records, reports, files, and other related documents and information for purposes of monitoring, measuring the effectiveness, and ensuring the proper expenditure of the grant or subsidy.

In addition, a grant or subsidy may be made to an organization only if the organization:

- (1) Is incorporated under the laws of the State; and
- (2) Has bylaws or policies that describe the manner in which the activities or services for which a grant or subsidy is awarded shall be conducted or provided.

Further, a grant or subsidy may be awarded to a non-profit organization only if the organization:

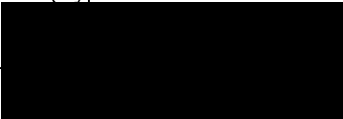
- (1) Has been determined and designated to be a non-profit organization by the Internal Revenue Service; and
- (2) Has a governing board whose members have no material conflict of interest and serve without compensation.

For a grant or subsidy used for the acquisition of land, when the organization discontinues the activities or services on the land acquired for which the grant or subsidy was awarded and disposes of the land in fee simple or by lease, the organization shall negotiate with the expending agency for a lump sum or installment repayment to the State of the amount of the grant or subsidy used for the acquisition of the land.

Further, the undersigned authorized representative certifies that this statement is true and correct to the best of the applicant's knowledge.

Bishop Museum

\_\_\_\_\_  
(Typed Name of Individual or Organization)



1/27/11  
\_\_\_\_\_  
(Date)

Timothy E. Johns  
\_\_\_\_\_  
(Typed Name)

President and CEO  
\_\_\_\_\_  
(Title)

# Bernice Pauahi Bishop Museum Organizational Chart 2010

