There's no better Space on earth.

MUSEUM Flight

MUSEUM Flight

United State

The Space Shuttle

- The world's first "reusable spacecraft."
- Orbiter is 122 feet long; 57 feet tall; 78-foot wingspan.
- First Shuttle mission April 12-14, 1981.
- Crews range in size from four to eight people. Over 600 crew members have flown on 132 Shuttle missions (multiple missions for many astronauts).
- The Space Shuttle program has sent over 3 million pounds of cargo into space.
- The Hubble Space Telescope was lifted into space by Discovery in April 1990.

MUSEUM

Landing the Space Shuttle - the Beginning

- NASA announced that the Space Shuttle fleet will be retired in 2010.
- Museum Board of Trustees met in Feb. 2008:
 - Reviews future prospects for a Shuttle Orbiter to display at MOF.
 - Commits to NASA that we will build a 15,500-s.f. Gallery, if we were granted an Orbiter.
- In mid-Feb. 2010, following the President's announcement that Space Shuttle missions will end in Sept. 2010, NASA issued a new RFI to potential orbiter recipients, namely:
 - All successful recipients must take delivery of vehicle between July and December 2011.
 - A suitable climate-controlled indoor facility is required to house the Orbiter <u>when delivered</u>.
 - Orbiter cannot be exposed to precipitation.
 - Successful recipients will be required to pay NASA \$28.8 million for preparation and transportation of each Orbiter.

MUSEUM

Destination Washington

- The Museum of Flight is uniquely positioned to be an outstanding shuttle destination
 - Proximity to large population base
 - Proximity to appropriate airfield
 - Outstanding education, curatorial, and exhibit programs
 - Executive Committee committed to construction of extraordinary facility
 - Opportunity to drive tourism, Museum attendance for years to come

Ties to Seattle

- More than 26 astronauts from Pacific Northwest
- Boeing 747 transport
- Rich aerospace history
- Boeing "CAPPS"

MUSEUM

The Competition

- Press reported 21 respondents to the NASA RFI. NASA did not release the names, but the following are "self" or "press" reported "
 - Washington, D.C.: Smithsonian National Air and Space Museum (NASM) (will receive Discovery and release Enterprise, the atmospheric test vehicle)
 - Florida: NASA Kennedy Space Center (launch site)
 - Texas: NASA Johnson Space Center in Houston

ightarrow

- Ohio: Dayton, National Museum of the United States Air Force
- California: Palmdale Plant 42, Original Assembly Site
- Oregon: Evergreen Air and Space Museum in McMinnville
- New York: Intrepid Museum on the Hudson
- Oklahoma: Tulsa Air and Space Museum

Application Status

Responded to the NASA Request for Information (RFI) on March 17, 2009 and update on February 19, 2010.
 – One of 21 museums and science centers responding

 Have letters of support to NASA, Smithsonian, and President Obama from Governor Gregoire, WA Congressional Delegation, Washington Education Association, and WA legislature.

- Requesting letters from school districts and local mayors

• Space Shuttle Gallery estimated to cost \$12M. Have received private pledges of \$5M with \$3M budgeted by the state. Will require capital campaign for remainder.

MUSEUM 1

2008 Support of Space Shuttle Request from the Governor's Office

CHRISTINE O. GREGOIRE



STATE OF WASHINGTON

OFFICE OF THE GOVERNOR P.O. Box 40002 • Olympia, Washington 98504-0002 • (360) 753-6780 • www.governor.wa.gov

August 19, 2008

The Honorable Michael D. Griffin Administrator National Aeronautics and Space Administration 2 Independence Square, 300 E Street SW Room 9F44 Washington, D.C. 20546 The Honorable G. Wayne Clough Secretary Smithsonian Institution 1000 Jefferson Drive SW Room 205 Washington, D.C. 20560

Dear Administrator Griffin and Secretary Clough:

I am pleased to join Washington State's Congressional Delegation in support of the Museum of Flight's application to secure one of the remaining United States Space Shuttles, which President Bush has announced will be retired in 2010.

The Museum of Flight is a world renowned facility as well as a cultural and educational landmark in Washington State. With nearly 500,000 visitors in 2007, attendance continues to grow as a new generation of Americans comes of age during this exciting time of exploration and technological advancement. Students from all over the country will be among the many to benefit from the Museum of Flight's numerous educational programs emphasizing the fields of Science, Technology, Engineering, and Math (STEM).

The last two years have marked tremendous growth in the Museum's history of space flight and exploration programs. A new exhibit entitled "Space: Exploring the New Frontier" opened in June 2007, with more exhibits planned. In January 2008, it served as the site of the first Future Forum, celebrating NASA's 50th Anniversary. The Museum has also developed a Space Exhibit Master Plan which includes a 40,000 square foot facility with a wing specifically designed to house a Space Shuttle. Additionally, the Museum's President and CEO, Washington native Dr. Bonnie J. Dunbar, is a former NASA astronaut. Dr. Dunbar has been a driving force behind the Museum's STEM programs, and she stands ready to oversee the Shuttle's preservation and facilitate the educational benefits that come with housing such a unique piece of history.

I am confident that the Museum of Flight offers the location, staff, and facilities necessary to maintain a Space Shuttle. As we approach the 2010 Shuttle retirement deadline, I look forward to continuing our work together to make this possibility a reality.

Sincerely,

Christine O. Gregoire Governor

2009 Support of Space **Shuttle Request** from the **Governor's** Office





STATE OF WASHINGTON

OFFICE OF THE GOVERNOR P.O. Box 40002 * Olympia, Washington 98504-0002 * (360) 753-6780 * www.governor.wa.gov

November 23, 2009

The Honorable Charles F. Bolden, Jr., Administrator National Aeronautics and Space Administration 2 Independence Square 300 E Street SW, Room 9F44 Washington, D.C. 20546

Dear Administrator Bolden:

I am pleased to write again in support of Washington State's Museum of Flight's application to acquire one of the space shuttle orbiters upon retirement in 2010.

Located in our state's largest metropolitan area, and adjacent to Boeing Field's 10,000-foot runway, the Museum of Flight is a world renowned facility as well as a cultural and educational landmark. With about 500,000 visitors a year, including nearly 150,000 students, it has the largest K-12 education program of any air and space museum in the world. Its offering of more than 56 public programs hosts astronauts, pilots, engineers, authors, policy makers, researchers, and visionaries.

The Museum of Flight's numerous educational programs emphasize the fields of Science, Technology, Engineering, and Math, which is also a priority in our state's high school, college, and university curriculum. I am confident that Dr. Dunbar and her experienced staff are prepared to preserve the shuttle in the planned Space Gallery and facilitate the untold educational benefits of housing such a unique piece of history.

I appreciate your leadership and thank you for this opportunity to encourage your selection of Washington State's Museum of Flight as part of this historic endeavor to inspire future generations to greater heights.

Sincerely,

Governor

G. Wayne Clough, Secretary, Smithsonian Institution cc: Kevin Callaghan, Chair, Museum of Flight Board of Trustees Dr. Bonnie J. Dunbar, President and CEO, Museum of Flight

Support of Space Shuttle Request from the Washington Congressional Delegation

Congress of the United States Washington, DC 20515

June 17, 2008

The Honorable Michael D. Griffin Administrator National Aeronautics and Space Administration 2 Independence Square, 300 E Street SW Room 9F44 Washington, D.C. 20546

The Honorable Cristian Samper Acting Secretary Smithsonian Institution Office of the Secretary, Room 205 1000 Jefferson Drive, SW Washington, D.C. 20560

Dear Administrator Griffin and Secretary Samper:

We are writing in support of the Museum of Flight's application to secure one of the remaining United States Space Shuttles, which President Bush has announced will be retired in 2010.

A world-renowned air and space museum in Seattle, the Museum of Flight is a source of pride to all of us in Washington state. Founded in 1965, the Museum has been accredited by the Association of American Museums (AAM) since 1986 and was awarded the status of Smithsonian Affiliate in 2007. The Museum is the largest non-governmental 501(c)(3) air and space museum in the world in gallery size and operating budget, with over 150 exhibited air and space craft. The facility has the largest aerospace research library and archives on the West Coast, including The Dahlberg Center for Military History, which includes many rare collections, such as the Wright Corporate papers. Nearly 500,000 visitors experienced the Museum of Flight in 2007 and attendance continues to grow. The Museum of Flight's success has come from the support of a highly engaged community and the generosity of individual contributors and members.

In 2007, nearly 143,000 students were exposed to the Museum's education programs and the Museum is part of a statewide and national effort to encourage more youth to pursue Science, Technology, Engineering, and Math (STEM) careers. We are very proud of the Museum's STEMaligned education programs which include the unique Aviation Learning Center for grades 4 through 12 - an immersive, hands-on math and science education program; distance learning programs with NASA; the Challenger Learning Center; the Washington State Aerospace Scholars Program - a summer apprentice program for high school juniors; and 20 other standards-aligned educational programs.

In the last two years, the Museum's Board of Trustees has taken steps to strengthen its focus on the history of space flight and exploration. A new exhibit entitled "Space: Exploring the new frontier" opened in June 2007, with additional exhibits to follow. The Museum has created a Space Exhibit Master Plan which will guide the collecting and exhibition efforts for future galleries. The plan includes the construction of a new 40K square foot Space Gallery building with a wing which will be sized for a Space Shuttle. This building will provide protection for a priceless artifact "in the public trust." A site for the new building has been secured and a capital fundraising plan is underway.

The Museum of Flight is located in the heart of a large metropolitan area, ten minutes from the Seattle-Tacoma International Airport and 15 minutes from the center of Seattle at King County International Airport. In addition, Seattle is an international seaport, attracting visitors from throughout the world.

Dr. Bonnie J. Dunbar, the President and CEO of the Museum of Flight and a native of Sunnyside, Washington, is a former NASA astronaut and veteran of five space flights. She is therefore uniquely qualified to guide the Museum's new space wing concept. We have every confidence that under her leadership the Shuttle will be preserved and utilized in a manner befitting its historical importance.

In conclusion, we can think of no more appropriate and fitting location for a Space Shuttle than the Museum of Flight in Seattle. We look forward to continuing our dialogue with you as the 2010 deadline approaches.

Sincerely, Sen, Maria Cantwell Rep. Brian Baird Rep. Adam Smith Rep. Rick Larsen Shana Dale Deputy Administrator, NASA

General Jack Dailey Director, Smithsonian National Air and Space Museum

cc:

Olga Dominguez Assistant Administrator, Office of Infrastructure and Administration NASA

Support of Space Shuttle Request from the Washington State Legislature



Washington State Legislature

March 2, 2009

Michael D. Griffin, Administrator National Aeronautic and Space Administration 2 Independence Square, 300 E St SW #9F44 Washington DC, 20546

G. Wayne Clough, Secretary Smithsonian Institution 1000 Jefferson Dr. SW #205 Washington DC, 20560

Dear Administrator Griffin and Secretary Clough:

We, the undersigned members of the 2009 Washington State Legislature, are taking time out of our intense legislative duties to let you know of our very enthusiastic support of Seattle's Museum of Flight. It is applying for one of the Space Shuttles that will be retired in 2010.

The Museum of Flight is a very worthy and appropriate location for such a display. Seattle is the gateway to the Pacific, the largest metropolitan city in the Northwest, and a major contributor to the history of commercial aviation and space exploration.

This world-renowned Museum provides wide visibility and educational inspiration to thousands of guests. It is host to more than 500,000 visitors a year and has the largest K-12 air and space educational program in the world, serving more than 120,000 youth annually.

The Museum's space collection includes both owned and on loan artifacts from the icons of history. These include astronomer Carl Sagan, rocket pioneer Robert Goddard, the Apollo Command Training Module 007, an Apollo space suit, an X-15 pressure suit, three different lunar rocks, the Pete Conrad Collection, the Lunar Rover Engineering Prototype, and more. The Shuttle will be a tremendous addition to this popular Northwest exhibit.

The Museum of Flight will continue to provide a unique aerospace education and history experience for many years to come. We respectfully request you accept the Museum's Space Shuttle application.

Sincerely,

Marganta Prentice

Senator - 11th District Mary Helen Roberts

Representative - 21st District

Joe McDermott Senator - 34th District

El Oscuto Ed Orcutt Zack Hudgins Representative - 11th District

Many Jou Dickerson Mary Lou Dickerson Representative - 36th District

Jim Kastama

Senator - 25th District

Mark Ericks

Representative - 1st District

PAM ROACH

Senator - 31st District

Pam Roach

Senator - 22nd District



Representative - 2nd District

Tami Green

Representative - 28th District

Jeanne Weller Weller Senator - 36th District

hristine Rolfes Christine Rolfe Representative - 23rd District

Reuven Carlyle Representative - 36th District

Rosemany Mc Gubffe Rosemary McAuliffe

Senator - 1st District

Representative - 21st District

Indus Glenn Anderson

Representative - 5th District

Alle John McCoy Representative - 38th District

lorma Smith Representative - 10th District

June Chandle Bruce Chandler

Representative - 15th District



Representative - 45th District

Eileen Cody

Representative - 34th District

Representative - 41st District

Joan Franklin Rosa Franklin

Senator - 29th District

Marcie Masavell Marcie Maxwell

Paull Shin Senator - 21st District

Representative - 34th District

Representative - 46th District

Ruffe Lithing Lenney Phyllis Gutierrez Kenney

Dawn Morell Representative - 25th District

Geoff Simpson

Bob Hasegawa Representative - 47th District

Representative - 11th District

Inder Evans Parsente Linda Parlette

Senator - 12th District

Frank Chopp

Representative - 43rd District

Curtis King Senator - 14th District

Seve Conway Steve Conway

Debbie Regala

Representative - 46th District

Representative -22nd District

Senator - 27th District

Ross Hunter Representative - 48th District

Dean a. Takki

Representative - 19th District

Ina Swall

Representative - 33rd District

Mike Sella Representative - 38th District

Brandan Williams Representative - 22nd District

Legislative Building • PO Box 40482 •Olympia, WA 98504-0482

Representative - 29th District

Senator - 48

Jean Berkey

Senator - 38th District

Support of Space Shuttle Request from Washington Education Association

32032 Weyerhaeuser Way S. Federal Way, WA 98001-9687 ailing address: IEO. Box 9100 Federal Way, WA 98063-9100 telephone: 253-941-6700 toll free: 800-622-3393

Fax: 253-946-469

www.washingtonea.org



Mary Lindquist, President Mike Ragan, Vice President John Okamoto, Executive Director

March 5, 2010

Dr. Bonnie Dunbar President and CEO Museum of Flight 9404 East Marginal Way South Seattle, Washington 98108

Dear Dr. Dunbar,

As president of the Washington Education Association, I would like to express my strong support for your efforts to bring a retired space shuttle to The Museum of Flight. Educators across the State of Washington recognize the shuttle as not just a showpiece for the Museum, but as an inspirational artifact that presents real science applications for our students State-wide.

Washington State Science Standards mandate a strong science application thread spanning from kindergarten through grade twelve. Washington educators recognize that knowledge of science is not enough to prepare learners for the future. Students must understand that science and technology work together to solve problems using teamwork. At an early age, our learners are expected to begin to understand how technology has developed and changed our world. They are required to design scientific solutions to problems and select appropriate scientific tools to meet goals. They evaluate how well their tools have helped solve a problem and modify their ideas through a design process. Our students are expected to appreciate the applications to science, technology, engineering, and mathematics that people of all ability levels, cultures, ages, and interests have made. Having an actual artifact like the shuttle to study will definitely give students a greater appreciation for technological advancement.

The Museum of Flight's mission statement expresses very well why the Museum would provide a wonderful venue for an artifact as incredible as the space shuttle. "The Museum of Flight exists to acquire, preserve and exhibit historically significant air and space artifacts that provide a foundation for scholarly research and lifelong learning programs inspiring an interest in and understanding of science, technology and the humanities." The Museum already houses many historic artifacts and exhibits that trace the development of flight from Leonardo da Vinci, to the Wright

Brothers, to military and commercial flight, to the space age and travel to the Moon. Adding a space shuttle to the other artifacts would be especially meaningful, since our students of today have grown up on shuttle science and have an appreciation of the vehicle, even though few have actually seen one in real life. A shuttle on display at The Museum of Flight has the potential to reach far more students than most museums across our nation. Not only that, the Museum takes its educational mission so seriously that it has aligned all of its educational programs to the Washington State Standards.

2009 data shows Museum programs and educational initiatives reached 124,120 participants from across the State of Washington. These students have been inspired and encouraged to dream by the Museum of Flight's exceptional educational programs.

Just as the first lunar landing triggered an interest for an entire generation to sign up for math, science, and engineering, so our students continue to be thrilled by space. A retired space shuttle will truly bring home the real science that can be accomplished by people who work together to solve problems. The space shuttle will provide relevance and excitement that will in turn stoke scientific ambitions and goals in our region that is historically an aerospace center.

Bringing the retired space shuttle to a home at The Museum of Flight is a state-wide initiative supported by Washington's Governor, United States Senators and Representatives, teachers and education support professionals.

Best wishes Mary Lindouist

President Washington Education Association

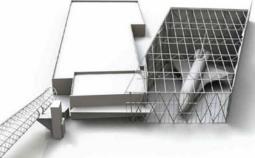


The Museum of Flight - Recent Actions

- In February, we reassembled our design/build team (Seneca, SRG & Sellen) to answer these questions:
 - Can we design, permit, and build a Shuttle Gallery by July 2011?
 - Can we build it for \$12 million or less?
 - In today's climate, can we raise the money to fund the project?
- In March, MOF Executive Committee votes unanimously to build the Space Gallery.
- Groundbreaking to take place June 29
- Construction to begin in late August

MUSEUM

Proposed Space Gallery





Phase One of the west-side development will be the 15,500-sq.-ft. Space Gallery. Future plans include the Aviation High School and the Air Transit Gallery.

THE MUSEUM OF

Space Gallery Funding

Sources	\$Million
Foundation Grant	3.0
Private Pledges	2.0
Remainder from Wyckoff Bridge	0.9
Washington State Capital Grant	<u>3.0</u>
Current Total	8.9

Applied for New Market Tax Credit Funds 2.1

MUSEUM OF

Recent Developments

- Enlisted Garrigan Lyman to assist with website development, other marketing activities (www.washingtonshuttleboosters.org)
- New creative gives "personality" to the space shuttle
- Enhanced website went live Friday, June 18
- Enlisted Pattie Payne / Lee Keller to assist with public relations activities
- Additional P.R. activities to follow

MUSEUM

MUSEUM Flight OF light dream, discover, soar			About the	Museum	Get Involved	Press	Contact Us		
Visit	Exhibits	Our Collections	Membership	Giving	Education	Calendar		Search	Go

Washington Space Shuttle Boosters

There's no better Space on earth.

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Find Out More and Join the Mission \rightarrow

Why the Museum of Flight

Lorem Ipsum Dolor Unde Omis Error Sit.. See why ->





Lorem Ipsum Dolor Unde Omis → Error Sit.. See why →

Next Generation

Inspiring the

MUSE

United States

Show Your Support

 1
 2
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 Help us build the space shuttle's classroom for future generations.

 Sign the Petition →

THE

Lorem Ipsum Dolor Unde Omis Error Sit.. See why -> After 134 missions, don't you think she deserves a nice classroom, a view of the sky, and payloads of curious children?

MUSEUM 1

There's no better Space on earth.

THE MUSEUM OF



The Spirit of Exploration Lives Here

Why the Museum of Flight Has the Right Stuff

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We Are On a Mission for the Space Shuttle!

Help us build the space shuttle's classroom for future generations.

Donate Now -







Heritage of Pioneers



MUSEUM

See the New Space Gallery Inspiring the Next Generation

Join the Mission



There's no better Space on earth. Oh, the Stories She'll Tell



Why the Museum of Flight See the New Space Gallery Inspiring the Next Generation → Join the Mission

Be a part of bringing the Space Shuttle to The Museum of Flight

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We Are On a Mission for the Space Shuttle!

Help us build the space shuttle's classroom for future generations.

Donate Now ->



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	A CONTRACTOR
Show Your Support Sign the Petition	
Name *	THE BOOST
Zip Code \star	
E-mail optional	-
Subscribe to our weekly e-mail.	
Declare Your Support!	→



MUSEUM F Gght - OF Gght dream, discover, soar				About the	Museum (Get Involved	Press	Contact Us		
	Visit	Exhibits	Our Collections	Membership	Giving	Education	Calendar		Search	Go
Washington Space Shuttle Boosters > Why The Museum of Flight										



Explore the Museum of Flight's New Space Gallery

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We Are On a Mission for the Space Shuttle!

Help us build the space shuttle's classroom for future generations.

Donate Now ->





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Important Subheadline

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Subhead About the Space

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See the New Space Gallery



Fly through the future Space Gallery in this 3-D video visualization > Play







Lessons learned from Space: Exploring the New Frontier (opened in June 2007) will inform future Space Gallery exhibits.



Designed by SRG architects, the Shuttle Gallery features a glass room for the Space Shuttle with a view of the stars. + Enlarge





Imagine the Possibilities

