

1 BILL NO. R-19-04-03

2 BILL NO. R-_____

3
4 A RESOLUTION APPROVING THE
5 DISTRIBUTION OF FUNDS FROM THE CITY
6 OF FORT WAYNE COMMUNITY LEGACY
7 FUND.

8 **Whereas**, the City of Fort Wayne has created the City of Fort Wayne
9 Community Legacy Fund to invest in projects that will have a collective impact
10 that leads to transformational change within the community, and;

11 **Whereas**, the City of Fort Wayne through the Legacy process has
12 received unprecedented public input from across the community and has worked
13 with citizens, business leaders and elected officials to develop implementation
14 priorities, and;

15 **Whereas**, the City of Fort Wayne seeks to advance transformational
16 projects for our community with a focus on economic development, downtown
17 and riverfront development, and youth development/prep sports, and;

18 **Whereas**, each Legacy project provides our community with an
19 opportunity to make our City stronger and better positioned for growth, and;

20 **Whereas**, by working together, we will leave a lasting Legacy for future
21 generations;

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24 **NOW THEREFORE, BE IT RESOLVED BY THE COMMON COUNCIL OF THE**
25 **CITY OF FORT WAYNE, INDIANA:**

26 **SECTION 1.** The City of Fort Wayne Common Council hereby authorizes
27 the Board of Trustees of the City of Fort Wayne Community Legacy Trust Funds
28 to distribute to the following project:
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SECTION 2. This Resolution shall be in full force and effect from and after its passage and any and all necessary approval by the Mayor.

APPROVED AS TO FORM AND LEGALITY

Carol Helton, City Attorney

**LEGACY FUND
AGREEMENT
WITH SCIENCE CENTRAL**

This Legacy Fund Agreement (the "Agreement") is entered as of the Effective Date (as hereinafter defined) by the City of Fort Wayne, Indiana (the "City") and Science Central ("Recipient") (the City and Recipient being collectively referred to herein as the "Parties"). The Parties, in consideration of the mutual covenants, obligations and agreements set forth herein, agree as follows:

WHEREAS, Fort Wayne Common Council Resolution 12-12-15 (the "Resolution") authorized the expenditure of funds from the Legacy Fund to invest in projects that will have an impact and change within the community; and

WHEREAS, the Parties desire to enter into this Agreement to: (a) enhance the educational experience in the community (b) expand the availability of education for public use and enrichment through the expansion of Recipient's existing facility by adding the only public planetarium in northeast Indiana; and

WHEREAS, the Recipient will be investing in and providing needed infrastructure in or near downtown Fort Wayne at Recipient's existing facility; and

WHEREAS, the Parties desire to enter into this Agreement in order to achieve the purpose stated herein in accordance with and subject to the terms and conditions hereof;

NOW, THEREFORE, for and in consideration of the mutual considerations hereinafter set forth, the parties hereto agree as follows:

1. Purpose of the Agreement. The purpose of this Agreement is to promote educational, employment and cultural opportunities for the citizens of Fort Wayne Indiana and surrounding area, and to provide support for transformational projects in the greater Fort Wayne community. In furtherance thereof, the City has agreed to award to the Recipient, subject to the terms and conditions hereof, certain financial assistance as described herein to install the planetarium at Science Central of multiple science enrichment programs, educational and entertainment opportunities for the community.

2. Definitions.

a. "Application" means the Legacy Fort Wayne Fund Application submitted by Applicant in connection with Applicant's request for funding, a copy of which is attached hereto as Exhibit A and incorporated hereby by reference.

b. "Project" means the construction and installation by Recipient of a planetarium at Recipient's facility as described in the Application.

c. "Facility" means the interactive science center known as "Science Central" which is, operated by Recipient at 1950 North Clinton Street, Fort Wayne, Indiana. d. "Grant" means the amount of funds described in Section 6 hereof which the City may award to Recipient to pay for a portion of the costs to construct those components of the Project described in attached Exhibit B, subject to Recipient's adherence to and performance in all respects of the terms and conditions of this

Agreement.

d. "Completion Date" means the date of the completion for the construction and installation of the Project as stated in the Application.

e. "Fund" means the Legacy Fort Wayne Fund, as created by the Resolution.

f. "Effective Date" means the date on which the second of the Parties executes the Agreement.

g. "Grant" shall mean an amount not to exceed Five Hundred Thousand Dollars (\$500, 000) which shall be paid by City to Recipient from the Legacy Fund.

3. **Term of the Agreement.** This Agreement shall commence as of the Effective Date and shall continue until the twentieth (20th) anniversary of the Completion Date of the Project (the "Term"). The Recipient shall use its best efforts during the Term to operate the Project in a normal and customary manner and to continue and expand the community engagement programs described in the Application.

4. **Investment in the Project.** Recipient will invest the sum of One Million Six Hundred Twenty Three Thousand Dollars (\$1,623,000) in developing, constructing and installing the Project.

5. Request for **the Grant.** Recipient may request payment of the Grant only after a minimum of One Million Dollars (\$1,000,000) in expenses directly related to the construction and installation of the Project have been incurred and paid by Recipient. Recipient shall provide City with documentation acceptable to City of such incurred and paid expenses concurrent with requesting payment of the Grant.

6. Payment of **The Grant.** The Grant will be paid to Recipient, subject to Recipient's performance of the terms and conditions of this Agreement, in a single payment upon Recipient's written request therefor.

7. **Responsibilities of Recipient.** Recipient has made certain representations and covenants to the City in Part III of the Application regarding the Project, including the amount of investment, the community based programs and community engagement activities to be created and administered and the economic and community impact to be generated by the Project during the Term. Recipient represents and covenants that Recipient will use its best efforts to continuously maintain, repair, replace and improve the Project in all material respects during the Term, and will expand the community based programs and community engagement activities described in the Application through the investment to be made, the construction of the Project and the new learning opportunities to be created and administered by the Recipient. Recipient's representations and covenants are a material inducement to City's decision to award the Grant to Recipient. In the event Recipient breaches any of the representations or covenants contained in the Application or this Agreement, or otherwise defaults in the performance of any other provision of this Agreement, as determined by City in its sole discretion, the Grant shall be repaid by Recipient in pursuant to Section 9 hereof. Without limiting the foregoing, examples of Recipient's default which shall require a repayment of the Grant to City shall include:

a. The Project cease to be used in all material respects as described in the Application during the Term.

- b. The Recipient's community outreach programs and community engagement activities described in the Application are eliminated or materially reduced or modified during the Term.

The terms and provisions of this Section 7 notwithstanding, Recipient may from time to time during the Term request the City to permit a material change in Recipient's community based programs and/or community engagement activities. Any such request shall be in writing and shall provide a detailed description of the reason for such request and the program and/or activity that will result from such requested change. Each such request shall be considered in good faith by the City which shall take into consideration the reason for Recipient's request and the impact on the community of such change to the program and/or activity. The City may grant or deny any such request by the Recipient in the City's sole and absolute discretion and the City's decision in each instance shall be binding upon the Recipient.

8. Reporting Obligations of Recipient.

- a. The Recipient shall submit to the City annually during the Term, no later than each June 30th immediately following the close of the Recipient's fiscal year, a report which should include the information listed below, in a format acceptable to the City:

1. A description of the community and educational programs and uses of the Project during the immediately preceding fiscal year. Each report shall include a listing of organizations and entities, including public, private and home school groups, that have visited and/or participated in programs.
2. A description of the community impact from the operations of the Project during the immediately preceding fiscal year. Each report shall include pertinent data regarding number of visitors served, visitor/student demographics available, and to the extent possible, trending assessment data to evaluate impact on visitors/students.
3. Such supplemental and/or clarifying information and data which the City may request in writing after reviewing the information submitted by Recipient pursuant to sub paragraph 1. and 2. of this Section 8, within fifteen (15) days following City's request.
4. Such other data and information regarding matters relating to the Application, the Grant, the Project and the Facilities which City may request in writing within thirty (30) days following City's request.

Recipient shall certify under oath the completeness and accuracy of all information submitted to the City under this Section 8.

9. **Non-Compliance:** If the City determines in its sole discretion that the Recipient is not in compliance with the requirements of this Agreement in any material respect, the City may, upon written notice to Recipient which shall provide the Recipient with thirty (30) days to explain the reasons for the noncompliance and the opportunity to cure such noncompliance, take any action the City deems appropriate, including the termination of this Agreement. In the event of such termination prior to the award of the Grant, the Recipient shall waive and relinquish the right hereunder to request the Grant and the City shall have no obligation to award the Grant to the Recipient. If the Grant has been awarded to the Recipient prior to termination of the Agreement under this Section 9, the Recipient shall repay the

Grant to City within one hundred eighty (180) days of City's written request for repayment. The amount to be repaid to the City by the Recipient following the award of the grant shall be:

- (a) the entire amount of Grant received by the Recipient, if the event of non-compliance occurs during the first ten (10) years of the Term; or
- (b) a pro-rated share of the Grant received by the Recipient, if the event of non-compliance occurs during the second ten (10) years of the Term.

Recipient hereby forever releases the City, its officers, employees, agents, representatives, departments and divisions, from any and all claims, demands, liabilities or causes of action of every kind and nature, whether now existing or hereafter arising, both known and unknown, which Recipient has or may have against the City which is in any manner related to (a) the termination of this Agreement by the City or the Recipient for any reason or (b) the denial of the Grant to Recipient or the requirement of Recipient to repay the Grant or any portion thereof to the City.

10. **Notice to Parties.** Any notice, statement or other communications sent to the City or the Recipient shall be sent to the following addresses, unless otherwise specifically advised.

To the City of Fort Wayne:

Carol Helton
City Attorney – City of Fort Wayne
200 East Berry St., Suite 430
Fort Wayne, IN 46802
PH: (260) 427-1395
e-mail: Carol.Helton@cityoffortwayne.org

To Science Central Inc.:

Martin Fisher
Executive Director
Science Central
1950 North Clinton Street
Fort Wayne, IN 46805
PH: (260) 424-2400 ext. 441
e-mail: martin@sciencecentral.org

11. **Authority to Bind.** Notwithstanding anything in this Agreement to the contrary, the signatory for the Recipient represents that he/she has been duly authorized by the Recipient to execute this Agreement and to bind the Recipient to each of the representations, covenants, and obligations of Recipient contained herein.

12. **Amendment of this Agreement.** This Agreement or any portion hereof may only be amended by a writing executed by the Parties.

13. **Assignability.** The Recipient shall not assign this Agreement or any portion thereof without the prior written consent of the City, which consent may be withheld in the City's sole discretion.

14. **Remedies not Impaired.** No delay or omission of any party in exercising any right or remedy available under this Agreement shall impair any such right or remedy, or constitute a waiver of any default or acquiescence thereto.

15. **Compliance with Laws.** The Recipient agrees to comply with all applicable federal, state and local laws, rules, regulations and ordinances and all provisions required thereby, whether now existing or hereafter enacted, which are included and incorporated by reference herein, in the design, development, construction and installation of the Project, in the management and operation of the Project and the Facility, in the community outreach programs and activities, and in Recipient's performance under this Agreement.

Pursuant to I.C. '22-9-1-10 and the Civil Rights Act of 1964, Recipient shall not discriminate against any employee or applicant for employment, to be employed in the performance of this Agreement, with respect to the hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of such person's race, color, religion, sex, disability, national origin, handicap or ancestry. Breach of this covenant may be regarded as a material breach of this Agreement.

The Recipient affirms under the penalties of perjury that the Recipient does not knowingly employ an unauthorized alien. The Recipient affirms under the penalties of perjury that the Recipient has enrolled and is participating in the E-Verify program as defined in IC 22-5-1.7-3. The Recipient agrees to provide documentation to the State of Indiana that the Recipient has enrolled and is participating in the E-Verify program. Recipient is not required to participate in the E-Verify Program if the Recipient is self-employed and does not employ any employees. The City may terminate this Agreement if the Recipient is not in compliance with the E-Verify Program and fails to achieve compliance within thirty (30) days after notification of non-compliance from the City.

16. **Governing Laws.** This Agreement shall be construed in accordance with and governed by the laws of the State of Indiana, notwithstanding its choice of law rules to the contrary or any other state's choice of law rules. Any legal action brought under this Agreement shall be filed in a court of applicable jurisdiction located in Allen County, Indiana.

17. **Entire Agreement.** This Agreement, and the exhibits and attachments hereto, contain the entire understanding of the Parties with respect to the matters contained herein, This Agreement supersedes all prior agreements and understandings, oral or written, with respect to the subject matter contained herein and contemplated hereby.

18. **Indemnification and Release.** The Recipient shall indemnify, defend and hold harmless the City, its divisions, department, officers, employees, representatives and agents (collectively, the "Indemnitees") from and against all claims, demands, charges, lawsuits, costs and expenses (including legal costs and attorney's fees) caused by, associated with or related to any act or omission of the Recipient and/or any of its contractors, subcontractors, vendors, suppliers, employees, representatives, licensees, invitees and/or authorized agents in connection with (a) the design, development,

construction, installation, operation, management and control of the Project and the Facility and (b) any and all activities of every kind and nature which occur in, on or about the Project and the Facility. The City shall not provide any indemnification hereunder to the Recipient. The Recipient hereby forever releases Indemnitees and each of them from any and all claims, demands and charges, of every kind and nature, both known and unknown, whether now existing or hereafter arising, that Recipient has or may at any time in the future have against Indemnitees, or any of them, under this Agreement. In no event shall the City be liable for any direct, indirect, special, incidental, consequential or punitive damages, costs or expenses arising from any act or omission to act by any party relating in any manner to this Agreement, the Application or the activities of any kind of nature which may occur in, on or about the Project and the Facility. The covenants contained in this Section 18 shall survive the expiration or termination of the Agreement for any reason.

19. **Severability.** The invalidity of any section, subsection, clause or provision of this Agreement shall not affect the validity of the remaining sections, subsections, clauses, or provisions of this Agreement.

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IN WITNESS WHEREOF, the Parties, by their respective duly authorized representatives, have executed this Agreement on the dates entered below.

The City of Fort Wayne

By: _____ Date: _____, 2019
Thomas C. Henry, Mayor

Science Central

By: Martin S Fisher Date: March 28, 2019
Martin Fisher, Executive Director



Legacy Fort Wayne Science Central Application

Imagine being able to see the Earth from space, view each planet in our Solar System, peer into our Milky Way Galaxy, fly past a black hole, observe planets revolving around other suns, or even approach the very edge of the known universe!

PART 1: APPLICANT INFORMATION

1. Proposal name: Fort Wayne's Science Central Planetarium
2. Address: 1950 North Clinton Street, Fort Wayne, IN 46805
3. Project Owner: Science Central
4. Project Description: Science Central, the region's only hands-on science center, is undergoing its second-ever capital campaign since opening in 1995. We will construct, install and open the only public planetarium in northeast Indiana. This permanent, 1,500-square foot installation will be located inside of a raw, unused portion of our building, the original City Light & Power, from 1929. We will combine a classic, legacy starball projector which was removed from the University of Saint Francis with modern digital projectors. Audiences will include the general public, students, teachers, seasonal science campers, and home schoolers from throughout the Fort Wayne community. Special groups will include scouts, birthday parties, after-school programs, 21+ events, corporate events, reunions, etc. Much of the project will employ local companies and talent, and once open, will employ new Science Central staff.

PART 2: PROJECT INFORMATION

1. Project Details:
 - A. Project Cost: Approximately \$2+M
 - B. Timetable: Once all pledges are acquired, the contract-design-demolition-fabrication-installation process will take approximately one year. The process will include:
 - Contract with the architect
 - Architect will manage Request For Proposals from the general contractors (GC)
 - Review proposals and sign contract with the GC
 - Coordinate with the starball contractor
 - Contract with the full dome (digital) planetarium company

- Coordinate with planetarium lighting, sound, kiosk and dome subcontractors
- Design phase
- Demolition phase
- Installation phase
- Purchase all non-planetarium, and non-GC furniture and fixtures (chairs, tables, etc.)
- Staff training phase
- Marketing to schools and the general public
- Opening
- Operations

Science Central's Mission is "a regional resource that provides inspiring and fun hands-on science education for all people of all ages." To promote this Mission and meet the STEM (science, technology, engineering and mathematics) needs of Fort Wayne citizens, we are developing a capital project to install the city's only public planetarium. Two years ago, the University of Saint Francis permanently closed their planetarium, which operated on limited hours, and donated the starball projector system (called an opti-mechanical system) to Science Central. This type of equipment excels at showing Earth-based skies. We will modernize this equipment with the addition of a high-resolution, high-definition digital projector and computer system (called a full dome and fulldome system). This equipment excels at showing deep-space imagery.

Science Central was incorporated as a non-profit organization in 1987 by Fort Wayne teachers, parents, engineers, community leaders, business leaders, and ordinary citizens who wanted to enhance our area's science education. The group wanted to inspire interest in science by creating an interactive science center, where both children and adults could learn about science through fun, hands-on exhibits and programs. The goal was to renovate the former City Light & Power plant, which had been empty for 16+ years. On November 5, 1995, the dream became reality and Science Central opened its doors as the only science center in the region. Science Central celebrated its 20-year anniversary in 2015 with a free community event, significant media exposure, and the night-time lighting of the iconic smoke stacks. Science Central is part of a minority of science centers in the United States that do not receive annual government funds for general operations.

Today, Science Central engages approximately 140,000 children and adults annually with informal science education. This occurs through school study trips and general public visits to the science center; participation in outreach programs in schools, youth organizations and community settings throughout the region; after-school clubs and programs; home schoolers and their families; special abilities visitors and their families/caregivers; and live interactive video conferencing programs with schools around the world (from New York to California, including as far away as Australia, Costa Rica and even Canada's northernmost Territory, Nunavut). Since opening, Science Central has served over 2.6 million people since opening. The children of original visitors are now visiting with their own children!

Science Central has numerous levels of impact on our visitors, which can be both educational and entertaining. We provide opportunities for our visitors to a) learn some basic scientific concepts and principles, b) understand the real-world connections between what they experience at Science Central and their own lives and the world around them, c)

appreciate that anyone can understand science, enjoy science, learn more about science (and maybe become a scientist or work in a science-related field), and d) recognize that science is fun!

As a community-oriented science center, we are continuously evaluating the value and impact of our programs, exhibits and services. To achieve this end, we showcase three touring (temporary) exhibitions every year in our Traveling Exhibitions Gallery. Our current one is about biology, Fall/Winter will be about natural disaster preparation, Spring 2019 will be about the human heart, and Summer 2019 will be about robots. Over the past year, Science Central installed more than 40 new permanent exhibits on the physical, natural and applied sciences. And, for the first time since opening in 1995, we are currently replacing an entire, original exhibit gallery, with new exhibits valued at nearly \$500,000. We have expanded our marketing and advertising within Fort Wayne, and even beyond to attract new visitors to Fort Wayne. In Summer 2018, our marketing even expanded into Indianapolis!

We want to ensure that anyone, regardless of income, has an opportunity to visit Science Central. We offer numerous free admission days throughout the year, as well as lower-priced admission days nearly every month.

We partner with numerous community organizations to impact Fort Wayne's current and future citizens. We partner with local school districts, both public and private, and homeschool groups to bring outreach programs to them or provide them with field trips to our center. We also partner with local higher education institutions including Purdue University Fort Wayne, the University of Saint Francis, Indiana Tech, and Ivy Tech Community College. To ensure we are engaging underserved populations, we work with the Boys and Girls Clubs of Fort Wayne, Cornerstone Youth Center, and 21st Century Community Learning Centers to provide them with after school science enrichment programs. We also work with various media outlets including PBS39 public television, WBOI public radio, WANE-TV (CBS), and WPTA-TV (ABC) to provide the general public with regular, educational science segments. These experiments are aired to inform and entertain kids and parents alike. Thanks to sponsorship from the AWS Foundation, we offer free admission days to special needs and special abilities visitors. A few of our other local, statewide, and national partner organizations we partner with include Visit Fort Wayne, Greater Fort Wayne, Northeast Indiana Hospitality Association, Downtown Improvement District, NASA's Indiana Space Grant Consortium, Association of Science-Technology Centers, the National Oceanic and Atmospheric Administration, Girl Scouts, Great Explorations in Math and Science with the Lawrence Hall of Science, NISEnet nanotechnology network.

There is strong interest in astronomy and space sciences from families and the general public, and a strong need from schools and teachers on how to present these topics. The North American Total Solar Eclipse of 2017 is a perfect example of how Fort Wayne's citizens are excited by space events, and how Science Central is the key community partner to interpret astronomy and space sciences. Leading up to the August Eclipse, Science Central assisted local media in nonstop interviews and explanations, provided solar glasses and solar viewers to the community (and ran out!), and received countless phone calls and email requests asking for interpretation.

As the only science center in the region, Science Central is the best informal science education resource to meet these current and future community needs. For example, the next North America Full Solar Eclipse – going right across Indiana, right outside Fort Wayne - will be in 2024; the most powerful space telescope, NASA's James Webb Telescope, capable of seeing the edge of the known universe, will launch in 2020; and NASA's most ambitious program since the Space Shuttle missions, the Orion Program, which will send missions to low-Earth orbit, the Moon, and possibly further, will have its next test launch in 2019. Our modern planetarium full-dome equipment should be capable of accessing NASA data and images, and planetarium staff will be available to meet the needs of the media, public and schools.

This unique STEM education tool will be a permanent installation. The planetarium will not be a single, stand-alone experience, as is common with university planetariums. It will not require a visitor upcharge, as is common in most science center planetariums. And, it will not be 'closed-doors' much of the day, also a common operating procedure in most planetarium installations around the world. It will even integrate with our other astronomy exhibits (such as 1. Our Solar System kiosks, 2. A recent national award we won from the Nanotechnology Network, to receive a set of solar system-themed exhibits, and 3. our first-ever capital campaign, the \$1.5M Science On a Sphere exhibit, developed by NOAA, the National Oceanic and Atmospheric Administration) and education programs (such as planets-themed science camps, meteorite workshops for schools, moon phase presentations for college Education majors, badge workshops for scouts, and our many projects with NASA's Indiana Space Consortium).

In addition to meeting the needs of Fort Wayne families and schools, the planetarium will complement the work done by three other general groups. It will support the various economic groups through future workforce development/training and immediate jobs growth with the hiring of new staff. It will support the various tourism groups as a point of destination. And, it will support our city's schools and families with improved quality of life for our own citizens.

Science Central has a unique, all-inclusive philosophy. Many science center/science museum/nature center planetariums are only available to visitors with an upcharge. We do not plan on charging the general public an additional fee for live, Educator-guided 'Sky Tonight' programs. Public planetarium programs – just like public Science On a Sphere programs – will be part of general admission to Science Central. In addition, the plan is to design a room that can be continuously open and showing pre-programmed digital imagery with interpretation during all hours of operation, not just during live Educator-guided programming. This too, is a very unique operating and design model from most planetariums. Another unique design feature to the Science Central planetarium will be the placement of the computer systems, inside a glass booth, in full view of the visitors, with interpretation so they understand the technology of the system. We did this same design for our Science On a Sphere exhibit. We were the first Sphere site - and to the best of our knowledge, we are the only site - that shows visitors the operating equipment, and explains how it works.

We expect numerous avenues of positive impact from this project. Our impact on schools – students and teachers – is significant. Science Central has excelled at improving both cognitive (concepts) and affective (attitude) domains. Since school programs will correlate to Indiana Science Standards, with the addition of a planetarium, we expect students and teachers to check higher scores on our post-Study Trip Surveys. We receive verbal, written and electronic feedback on our programming, which is then used by our Education Department to revise, update and ultimately improve our school, family and adult events. With the addition of a planetarium in our day- and evening-event repertoire, parents, teachers and children will check higher scores on the school, camp, overnight and scout evaluation forms, and adults on our 21+ programs such as our annual Valentine's murder mysteries and October Halloween-themed programs.

We expect our existing high school student volunteer program, adult volunteer program, and our college intern program will grow, with students interested in gaining new skills while working in the planetarium. The planetarium allows for both exhibit interpretation and live-demonstrator programs. Teenagers, college students and adults will enjoy explaining space sciences to our visitors, learning public speaking skills, meeting other volunteers with the same interests, and skills-acquisition for applications and resumes.

Science Central has had deep impact in the community, into populations often ignored in the traditional educational settings. There will be new program development for unique audiences such as after-school clubs (including our programs for the Urban League and the Boys and Girls Club), the home school population (such as our early-learners and teenage programs), scouts (boys and girls), and our special abilities visitors (our AWS Foundation-sponsored Special Abilities Days).

New partnerships with schools, universities, other nonprofit/cultural attractions, media, etc. will certainly be developed. In addition to the initial partnering with the University of St. Francis to obtain the original equipment, cooperation still continues with this project. The university has already expressed interest in having their General Science classes attend planetarium programs at Science Central, and the university President sits on the Science Central Advisory Board. In higher education, we also partner with Purdue Fort Wayne, Indiana Tech, and Ivy Tech on projects such as intern opportunities, outreach events and joint educational programs, all of whom have expressed a need for a Fort Wayne planetarium for their education, general science, and physics classes.

This project will certainly lead to greater marketing exposure and PR coverage for Science Central and for Fort Wayne – both during the construction stages, as well as after opening. Evidence of this was illustrated when we opened our \$1.5M capital campaign, Science On a Sphere, a few years ago. We plan to continue the successful media campaign from that model. Numerous media outlets were utilized to inform the community of the exhibit, including - word-of-mouth; a billboard marketing campaign; press releases and interviews during every stage of the demolition, construction and installation process; development of new marketing materials for the public, schools, teachers and homeschoolers; television presentations on our local regular and weekly science segments; and paid advertisements in numerous local newspaper and magazine publications. All of these methods will inform the local community of the planetarium project and excitement will build prior to, during and past opening day.

This project will certainly have an impact on economic development and jobs. As we expand our galleries and operations, we must hire additional staff to develop and present programs. Our payroll (currently at nearly 70 employees) will incorporate new full-time, part-time and seasonal staff to work in the planetarium, some of whom will come from current staff and local universities, and some planetarium professionals will be hired from outside and move to the Fort Wayne community. A community asset such as Science Central, with a project of this importance, correlates to the Northeast Indiana Regional Partnerships plan for their 'Road to One Million to train/attract retain top talent and expand the business landscape.'

It is recognized that this new exhibit will increase onsite attendance and memberships. Almost since we opened in 1995, there has been strong interest from the general public and our local cultural/tourism/economic/educational partners for a planetarium in our building. Visit Fort Wayne has shared that a common question they hear from tourists is whether the city has a public planetarium. Our staff who schedule phone registrations with schools and scouts often hear the question asked by teachers and leaders if we have a planetarium. And, we have seen on our Visitor Feedback Forms, placed at various locations around the exhibit floor, hand-written comments that Science Central should have a planetarium. A planetarium is a common, almost a "required," exhibit, at a science center. Our visitors practically expect it. Currently, Fort Wayne's schools and families would need to drive to planetariums in science centers/museums in Ohio (Dayton, Columbus), Michigan (Kalamazoo, Detroit) and Illinois (Chicago). It makes our community stronger to keep the cultural focus local and the economic focus (gas, restaurants, etc.) local.

There is tremendous value to repurposing the historic university projector. Many Fort Wayne citizens will remember going to USF on school study trips (called 'field trips' at that time). The USF planetarium was called the Shouweiler Planetarium, named after Edwin Schouweiler. This project has even captured the interest and support of the sons of Edwin Schouweiler. Scot Schouweiler writes "I am very supportive of the Planetarium being repurposed through Science Central." And, David Schouweiler writes "I'd like you to know that I'm an advocate for Science Central's plans for the Planetarium."

2. Capital Needs

A. Funding Requirement: Science Central respectfully requests \$500,000. This will represent approximately 25% of the total project. We have currently received \$1M in pledges, and are awaiting to hear back from a number of foundations for grant requests. Current pledges for the Planetarium include:

Auer Foundation \$50,000

English, Bonter, Michell Foundation \$250,000

Journal-Gazette Foundation \$50,000

McMillen Foundation \$100,000

Misc. \$5,000

PNC Schneider Trust \$50,000

Sheldon Estate/Science Central \$325,000

Suedhoff Trust \$25,000

Wilson Foundation \$150,000

Total: \$1,005,000

- B. Additional grant proposals have been submitted. Some of these foundations do not meet until the Fall quarter. Current outstanding requests include:

AEP Foundation \$300,000

Dane Miller Foundation \$100,000

Dekko Foundation

James Foundation open

Lincoln Financial Foundation \$30,000

SDI Foundation \$250,000

Budgets are attached.

We will develop new revenue-generating opportunities for long-term sustainability with the planetarium. This will include new space-themed programs for our science camps and scout overnights; presenting specialty planetarium movies themed with a particular topic, such as black holes or planets; providing private Indiana Standards-based programs for schools on Study Trips (For example, teachers have indicated high need for topics such as Season, Moon Phases, and Solar System.); creating a unique space for wedding and reunion receptions; and even providing opportunities for corporate functions. Just think of the impact on scouts after they spend an evening at Science Central working on Badge requirements, and awakening inside the dome to a perfect full-dome sunrise, while The Beatles 'Here Comes the Sun' plays softly in the background!

As we did with the opening of the Science On a Sphere exhibit, the opening of the planetarium will also coincide with slight modifications to our general admission fee, study trip pricing, or membership levels, to partially offset long-term costs. Unlike many facilities, Science Central does not often change these fee structures, since we believe in keeping admission and programming affordable to our visitors.

Science Central has no long-term debt and continues to be in the black. Short-term debt is manageable and can be covered by positive cash flow. The long-term liabilities were paid down in 2012. We do have a line of credit at Old National Bank with a \$0 balance. The purpose of this line is for emergency and overdraft protection. For short-term cash flow and mid-term liquidity, Science Central has invested funds in local bank accounts and certificates of deposit. A stacked portfolio has allowed for terms to end every month of the year, most of which is reinvested. Science Central also has self-restricted line items and invested funds for operations, Science On a Sphere, exhibits, IT, outreach, programs, capital expenses, and any emergencies.

It is interesting to note that the funds in the Light Lease Fund are due to Science Central's building, City Light & Power, when it went off-line in 1975.

- C. Beyond the request for Legacy Funds, no government grants or funds have been requested or are associated with this project. In fact, unlike a majority of science centers in the United States, Science Central receives no annual government support for general operations!

3. Project Team:

Science Central:

The project will be managed by Science Central's Executive Director, Martin S. Fisher (260-424-2400 ext. 441, martin@sciencecentral.org), a science center/museum professional with 40 years of experience in the informal science education field at science centers around the country (including a planetarium). He has directed other large exhibit installations, including Science Central's first-ever capital campaign to install a \$1.5M exhibit called Science On a Sphere.

Design Collaborative:

Science Central plans to work with as many local companies as possible. The architectural and general contractor component will be managed by Design Collaborative, one of Fort Wayne's leading architect and engineering firms for 25 years. In addition, they were the architect for the Science On a Sphere project. The demolition and construction will be done by a local general contractor, to be determined by a standard bid process coordinated by Design Collaborative.

Ash Enterprises:

The planetarium equipment fabrication and installation is a very specialized field. The opti-mechanical starball installation and maintenance will be managed by Ash Enterprises, a planetarium firm with nearly 50 years of experience. This company is widely recognized as the leading authority on historic planetarium projectors. Ash will also lead the installation of the dome, planetarium lighting and sound, console and remote access system, etc. The fulldome digital equipment provider is yet to be hired, but due to the necessary synchronization with the starball, that installation will also be associated with Ash.

4. Additional Information:

- A. Site and Zoning: Our architecture firm, Design Collaborative, will coordinate demolition and construction design and code requirements. Design Collaborative will also develop and distribute the Request For Proposals for the general contractor, and together, the architects and general contractors will monitor all site control and zoning requirements.
- B. The construction contract will be developed by Design Collaborative, based on our previous capital campaign, also coordinated by that architect firm. The schedule is to be determined, based on final fundraising and pledges.
- C. Plans and Visuals: Attached.

5. Additional Information:

A. Studies: Starting in 2014, Science Central's Executive Director (Fisher), senior staff, and some Board members started site visits of planetariums within a 2-4 hour drive of Fort Wayne. Over the past few years, Fisher has both visited additional planetariums around the country, and has had countless personal conversations with planetarium directors around the world. From 2014 – 2016, numerous meetings were held around the city with community groups, teachers, Science Central members, business and tourism groups, and civic leaders. Upon removal of the University of St. Francis planetarium equipment in Summer 2016, numerous meetings were held with the project architect, Design Collaborative, and starball contractor, Ash Enterprises. In Fall 2016, Science Central initiated the silent fundraising campaign. In addition, Fisher, started to attend various conferences (IMERSA, the fulldome industry; ASTC, the Association of Science-Technology Centers; GLPA, the Great Lakes Planetarium Association), and had one-on-one meetings with all of the primary fulldome planetarium companies (Digitalis, Evans & Sutherland, Goto, Konica Minolta, RSA Cosmos, Sciss, SkySkan, Spitz, Zeiss), to request information (designs, equipment, specifications, warranties, access to new datasets, user groups, costs, etc.) for a Fort Wayne installation. In Fall 2017, Ash did a site visit to review and measure the proposed location in Science Central, and provide design information and costs.

B. Economic Impact/Model: Science Central gathers zip codes from all visitors. Using data provided by Visit Fort Wayne, and our out-of-town visitor number, Science Central's tourists provide approximately \$1M to the local economy. We do not have an exact amount – and it is most likely higher – because we do not ask visitors where they spend the evening (drive home, at a friend/relative, at a hotel, here for a conference). Once open, the planetarium will provide employment to approximately 5-10 employees, both Full- and Part-Time, as well as seasonal staff (Spring Break, Summer Season, Winter Break) and hands-on experience to high school student volunteers and college Interns. In addition, the long-term economic impact to our community is even higher, as Science Central will provide training to pre-service teachers (Education majors) and in-service teachers (public school, private school, home school).

The planetarium will be a permanent exhibit in Science Central. The planning, design, fundraising, etc. has already been incorporated in and become an active part of Science Central's 2017-2020 Strategic Plan. Certain equipment components will be placed on our Depreciation Plan/Policy, others will be part of our general Capital Expenses Fund. However, a majority of the long-term operations, staffing, maintenance, utilities, insurance, marketing, repairs/replacements, etc. will be included in a long-term operations line item for the planetarium budget. In addition, based on our successful Science On a Sphere funding and operating model, some of the revenue from admissions increase and specialty programming could be used to support planetarium general operations, if needed.

C. Maintenance: In addition to having a line item in the budget for Contingency/Change Order, we plan to buy additional parts and components,

and extra materials. Not only will this allow for quick repairs (such as casters breaking from a kiosk, or light cove bulb burnout) but will also allow for less down time when something more significant occurs (such as card failure in a computer, or lens failure in a projector). This approach was also used for Science On a Sphere, and has significantly decreased down time, or cancellation of programs. The budget also contains line items for long-term maintenance and repairs. This will include replenishables and materials such as fixing or replacing broken lights, speakers, chairs, tables, carpet squares, wall paint, console laminate, computer components, projector components. We do plan to buy long-term service plans (preventative maintenance) for repairs of both the starball equipment and fulldome equipment. The latter will allow for 24/7 connection to the fulldome company when there are hardware or software issues, inability to access datasets, poor connections to a live-link, etc.

- D. Implementation: Upon completion of the fundraising campaign (pledges), a 12-month process will commence to include:
- Contract with the architect
 - Architect will manage Request For Proposals from the general contractors (GC)
 - Review proposals and sign contract with the GC
 - Coordinate with the starball contractor, Ash Enterprises
 - Contract with the full dome (digital) planetarium company
 - Coordinate with planetarium lighting, sound, kiosk and dome subcontractors
 - Design phase
 - GC Demolition phase
 - GC Installation phase (framing, HVAC, carpet, room lights)
 - Full-dome installation phase (projectors, dome, cove lighting, console, computer systems, etc.)
 - Purchase and install all non-planetarium, and non-GC furniture and fixtures (chairs, tables, sound system, etc.)
 - Staff training phase
 - Press release, marketing to schools and the general public
 - Opening
 - Operations

PART 3: ECONOMIC/COMMUNITY IMPACT

For a science center of our size, Science Central has had significant impact, more than is generally known. Not just in our own community, but even in the broader science center field. A sampling of our unique projects include:

- When Germany's equivalent of NASA, the German Aerospace Center, initiated a North American tour of their touring exhibition, Mars In 3D, their first 4-month venue was Science Central. That evening, Fort Wayne and Science Central were on the news locally... and all over Europe.
- We were recently awarded a small grant from NASA for a program called "Universe of Learning." Applications were submitted from science centers, science museums and children's museums all around the United States, including many of the most

well-known facilities in our nation's largest cities. We were one of only 16 awarded institutions, which included leaders in the field. Our award will help sponsor programming for K-12 special needs students in our city's public schools.

- Science Central was one of the few science centers to receive multi-year National Science Foundation funding from the Pacific Science Center for a program called Portal To the Public. This project allowed Science Central staff to train local university professors on how to engage with and explain their research projects to the general public.
- We have been one of the most awarded members in the national nanotechnology education network, and one of a select group of science centers to receive numerous grants, education kits, and mini-exhibitions. The most recent award will be for a permanent exhibition about the Solar System, and will arrive in 2019.
- Science Central received a prestigious grant from Disney and the Association of Science – Technology Centers (ASTC) called Creativity Garden. This funding allowed us to develop and provide a series of activities for high-needs students at after school sites.
- Science Central was the only informal science education facility in this region to win – not just one, but four grants in a row – from GSK Pharmaceuticals. The funding allowed us to present a program called “Science In the Summer” to 2nd-6th graders. Topics included chemistry, physical sciences, sports science, and this past Summer, space.
- The first Science On a Sphere gallery in an Indiana museum, and one of only a handful in the Midwest, was installed in Science Central. This exhibit, developed by NOAA (the National Oceanic and Atmospheric Administration), allows earth and space images to be projected onto a suspended 6-foot suspended globe. Our design has been lauded by NOAA as one of the most-successful, shared with institutions around the world, and is even currently being modeled by an upcoming installation at Kitt Peak, The National Observatory and Visitor Center in Arizona.
- Science Central staff developed unique datasets for our Science On a Sphere exhibit. Our images were shared with NOAA, and subsequently sent to Sphere sites at NOAA, NASA, science centers, museums and universities around the world.
- The model of our unique Special Abilities (visitors with physical, emotional and intellectual challenges) Days and associated activities have been presented to science centers around the world, allowing them to have a template to meet the needs of their own community's special needs populations.
- Strategic projects, such as rebranding has significant value to the science center field. Our new logo and rebranding campaign caught the attention of the science center community, and an article was published in the trade journal to highlight our methodology and share the process with our sister institutions.

Community Impact Areas

1) Transformative – The planetarium will transform Fort Wayne as the only public planetarium in the city (and the region). This will support local and out-of-area school trips, families and tourists.

2) Investment – The budget for this project is approximately \$2M. To date, we have received \$1M in sponsorships from various foundations, businesses and individual donors, all private funds. We expect to successfully raise 75%, as required by Legacy. We

currently have outstanding proposals to foundations in excess of \$500,000. We politely request funding from Legacy Fort Wayne of 25%.

3) Catalyst for Additional Development – Science Central has often been pictured as a cornerstone for attracting future development of the 'OmniSource site' across from us on the west side of Clinton Street. With the City's recent Request For Proposals from developers, we assume that any interested developers will correlate their plans to the close proximity of one of Fort Wayne's premier cultural attractions. We work closely with the local economic and business groups, offering admissions as an incentive for job candidates to move their families to Fort Wayne, and for entire businesses to relocate to our city.

4) Local – Science Central is within the City of Fort Wayne, just north of downtown. A significant number of our visitors (both school study trips and the general public) are from Fort Wayne. And, our out-of-town tourists have an annual impact of approximately \$1M to the local community. Our employees live in the area, and as our footprint, attendance, and budget grow, our staff size (currently at approximately 70 people) will also grow.

5) Community Plans – with the recent expansion of the Pufferbelly Trail beside Science Central, visitors now have direct walking and biking access south to downtown, and north to the nearby neighborhoods and Franke Park. In fact, since the Summer 2018 opening of the trail, Science Central staff have seen more cyclists, joggers and walkers, and a stronger connection to the businesses south of us and the neighborhoods north of us.

6) Sustainability – This will be a permanent exhibit at Science Central. It is being incorporated into our existing staffing and programming model. In addition to fundraising for the design, fabrication and installation, our fundraising plans include both short-term contingency/change orders, as well as long-term maintenance, staffing, and marketing. The success of our first-ever capital campaign, Science On a Sphere, helped pave the way for the planetarium. That too will lead to future large, impactful, educational projects.

7) Community Priorities – 21st Century Talent: Science Central and the Planetarium will impact today's school- and college-students, who are tomorrow's employees; Economic Development: help attract new businesses who look for quality of place for their employees when they expand or re-locate; and Quality of Life: Science Central is a significant cultural resource and iconic attraction for the community, our city's families and schools. A significant number of our onsite visitors are from Fort Wayne.

8) Local Economy – Based on our out-of-town attendance and dollar-value data from Visit Fort Wayne, our non-city visitors contribute over \$1M to the local economy. With the opening of the only public planetarium in the region, we expect our attendance and membership to grow and this economic impact to increase. In addition, to operating and maintaining the planetarium, we will have to hire additional staff, full- and part-time, thereby providing new jobs to local talent, and hire external talent who contribute to the population and tax base.

9) Area of Focus – Arts and Culture: as the only hands-on science center in the Tri-State region, and an invaluable cultural attraction for residents, Science Central's emphasis is the science, technology, engineering and mathematics (STEM) component of 'arts and culture.' Science Central serves about 140,000 people each year with onsite visits and outreach activities, and over 2.6M people have visited onsite since opening. Teachers schedule study trips for their classes to support their classroom science needs. Scouts visit to help earn their various STEM-related badges or patches. And, families visit to be educated on science, as well as spend quality family-time together in a fun facility.

Science Central Planetarium Budget - Legacy - January 2019

Exhibit B

ITEM	INFORMATION	years 2-10 INELIGIBLE	REQUEST
<u>ASH Enterprises and Spitz A4</u>			
removal and move from storage	dome, projector, console		15,000.00
Starball LEDs	stars, sun, moon. Planets		5,000.00
ASH - manage/design	design/manage starball and fulldome		30,000.00
A4 starball system	black refinishing		4,000.00
Spitz A4 installation			15,000.00
ECCS digital control system for A4			20,000.00
Hydraulic lift for A4/mount mechanism			25,000.00
Flush-mount doors for pit	hydraulic manual/remote control doors		10,000.00
Spitz A4 doghouse cabinet	replace original shaped casing		20,000.00
Annual onsite servicing	approx \$4K/yr for 10 yrs, for Spitz A4 and fulldome project	40,000.00	
Annual remote servicing	approx \$4K/yr for 10 yrs, updates, phone support, remote r	40,000.00	
<u>Equipment</u>			
new console	ASH or Science On a Sphere vendor		25,000.00
full dome system	range \$250-500, software+connections		400,000.00
new Dome	seamless, Spitz or AstroTek		150,000.00
cove lighting trough	Evans& Sutherland		12,000.00
cove lighting	ChromaCove RGBW		50,000.00
cove ladder system	Evans& Sutherland		10,000.00
barrier around projector	around A4, SOS Octanorm system		5,000.00
data projector	for PowerPoint/video/addl imagery, fulldome, replace 3-5yrs		30,000.00
Fulldome projectors	laser-phosphor, Barco F90? Approx \$30K/ea		90,000.00
computer for data projector	replace every 3 years		4,000.00
projector covers, 4x			2,000.00
database of images			10,000.00
racks/mounts			5,000.00
install Video Projector(s)	ASH?		6,000.00
Hand-held GUI for all systems			15,000.00
<u>Furniture, fixtures</u>			200,000.00
carpet			
tables, carts			
chairs, carts	stackable		
room	plaques, decorations, 4 wall monitors like SOS, etc		
<u>Audio-visual</u>			
lighting system	link to ipad		50,000.00
sound/music system	5.1, Evans & Sutherland, Konica-Minolta?		45,000.00
racks/mounts/consoles	ASH suggests Emcor		10,000.00
Laser show system	Ash+Prismatic Magic?		80,000.00
Laser annual servicing	approx \$4K/yr for 10 yrs, onsite	40,000.00	
<u>Design</u>			
Architect	Design Collaborative		50,000.00
General contractor	DC does RFP, demolition/construction (steel and AI pricing?)		450,000.00
contingency/change order			100,000.00
KidsCentral restroom	move due to dome, number needed for Code?		80,000.00

Start-Up Ops

marketing	initial campaign	20,000.00
staffing	post at GLPA, ASTC, Ball State	60,000.00
operations, repairs	including extras, years 2-10	20,000.00

Long-Term Operations

marketing	for 5-10 years	80,000.00
Conferences	ASTC sci cntrs, GLPA plan assn, \$2K/person, 2 ppl 2x/yr, 1	40,000.00
staffing	1.5 people + PTs, like SOS	440,000.00
operations, repairs	for 5-10 years	80,000.00

<u>760,000.00</u>	<u>2,123,000.00</u>
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COMMUNITY DEVELOPMENT

Thomas C. Henry, Mayor

MEMO

To: Common Council Members

From: Sharon Feasel – Development Finance Administrator, Community Development Division

Date: April 9, 2019

Re: Legacy Fund Grant for Science Central

Downtown investment was a key goal of the Legacy recommendations presented to Common Council in 2012. The concept was to utilize Legacy funds to leverage private investment in the development and redevelopment of downtown Fort Wayne. Redevelopment of Science Central is an example of what the original Legacy Taskforce envisioned. When completed, Science Central will have the only public planetarium in northeast Indiana. Today we will be submitting a resolution to Common Council asking that \$500,000 of Legacy funds be pledged to the project.

Thank you for your consideration and if you have any questions please contact me at 427-2107.

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