

ISIT REQUEST 2017:

Program or Service

Physics and Astronomy

Unit:

Submitter:

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Funding Source:

Needs Funding

X

Grant

Department

If you have multiple requests, please submit multiple forms.

Please share as many details as possible such as room location(s), type of equipment and/or software requested. If you have a cost estimate, that would be helpful, we will contact you for more details.

You will have an opportunity to present your request to the ISIT committee.

I am requesting the following technology or software:

A new SciDome system is needed for the William M Thomas Planetarium. The SciDome system enables the students to visualize complex 3D models of astrophysical phenomenon that cannot be done with a flat 2D image. The SciDome system is an essential part of the Planetarium's role in BC's outreach to the community. The system is essentially a computer system with a data projector. The computers are now 11 years old. NONE of the money generated from ticket sales goes into any hardware replacement fund—they all go into GUI. BC student headcount served is between 250-350 (depending on number of sections offered) but over 5000 K12 + adult general public attend the planetarium shows. Without the SciDome system, the adult general public shows will not be offered.

"Planetarium needs" is listed in the Measure J bond projects but no funds for the Planetarium were allocated in the first sale of bonds and the Planetarium is not being considered in the second sale of bonds either.

SciDome IQ 4K system which includes the "StarryNight Dome" software for Astronomy, "Layered Earth" for Earth systems (geology, oceanography, meteorology, etc.), and "ZygoteBody Dome" software for

Biology from Spitz, Inc. Cost: \$32,950 for software licenses + \$272,050 for hardware and installation = \$305,000 total. Todd Coston has copy of detailed quote sent by Joyce Towne of Spitz on 07 Sept 2017.