

# COMMUNITY UPDATES

## **Mike Hawes – Augustine Commission.**

Outlined the process by which the Augustine Commission operated.

NASA should move beyond LEO with commercial entities servicing LEO;

ISS – kept flying by International partners;

Flexible path includes fly-bys (but is it sustainable?);

Ultimate goal of human space flight = expansion of human presence with Mars as the ultimate destination.

## **Jeff Hanley – Constellation Overview.**

Ares 1-X success, although there was a parachute anomaly;

New Ares testing pad at Stennis;

J2-X engine test was successful at Marshall – passed CDR;

VAB will be handed over to Constellation some time next year;

Launch abort system will be tested in March;

Space suit design prime contractor = Oceaneering.

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## **Jim Adams – SMD Decadal Process; Chip Shearer – Inner Planets Panel Report.**

George Tahu = Inner Planets Panel point-of-contact at NASA HQ.

Lunar studies not currently underway because the lunar presentations were predominantly in the second meeting, not the first;

RLEP-2 concepts were quite well developed – have these been considered as part of the decadal process? Yes, but only where they weren't related to human space flight; ISRU demo missions appear to be a special case – fall between ESMD and SMD.

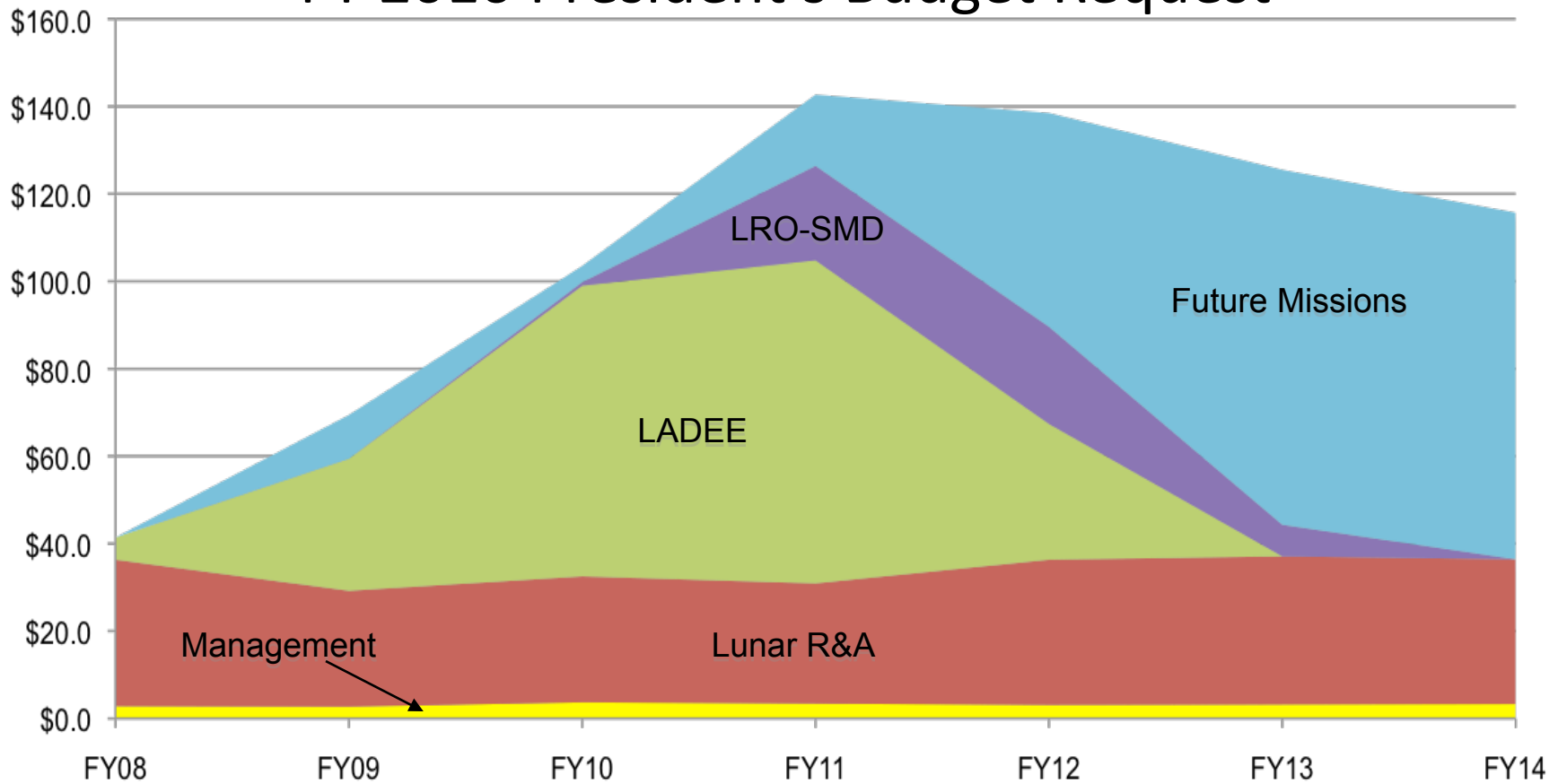
## **Jim Adams – Lunar Quest Program Update.**

Lunar Quest Program – LRO participating Scientist, NLSI, LASER

LRO science mission, LADEE, Lunar Surface Systems Risk Reduction, ILN.

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## Lunar Quest Program FY 2010 President's Budget Request



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## **John Olson – OSEWG Update.**

Defined the activities of OSEWG over the last year, especially with regard to revising requirements for the lunar architecture;

Mike Wargo to become Chair – change of name (for OSEWG, not Mike!);

International partners appear to be in favor of “super-sorties”;

Looking at the “Google Lunar X-Prize” with interest – involvement of commercial partners.

## **Matt Deans – OSEWG-LEAG-SARTC Workshop Update.**

Update on the process and outcomes of the recent robotic-human partnerships workshop.

Report available soon.

## **David Morrison – NLSI Update.**

NLSI centers and focus groups established.

Supporting LRO image restoration and Lunar regolith excavation challenge;

Supporting E/PO efforts.

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## **Clive Neal – Lunar Exploration Roadmap; Kurt Sacksteder – Theme 3 Sustainability.**

Defined the structure of the roadmap: 3 themes to answer the question of “Why are we going back to the Moon?”

Outlined the goals under each theme.

Theme 3 introduced in terms of goals and objectives.

Definition of “sustainability” needs to be more thoughtful.

## **Jeff Taylor – Why Settle the Moon?**

Space exploration gives us new perspectives on how to solve difficult problems on Earth;

Exploration is what humans do;

Challenging ourselves, National pride & International prestige;

Global partnerships;

Prepare for future human missions to Mars and other destinations;

Establish a vibrant commercial sphere in Earth-Moon space to benefit all;

Engage and inspire our children by giving them the chance to become part of something larger.