

# 2018 Large Facilities Workshop

April 30 – May 2  
Alexandria, Virginia

## Welcome!

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# Outline

- Outcomes from the 2017 Workshop
- Overview of projects in Design & Construction
- New Major Facilities Governance
- Information for you
- Where NSF needs your help
- Research Infrastructure Strategic Issues



# Outcomes from the 2017 Workshop

- Fewer NSF “Talking Heads”!
- Communicate/consolidate/coordinate oversight
- More time for informal interactions
- More community input to the agenda
- More on Lessons Learned



# Overview of Projects in Construction

	Recipient	% Complete	Budget	Schedule	Estimated Completion
<b>NEON</b>	Battelle	90	0%	-2%	Oct 2018
<b>DKIST</b>	AURA	85	-2%	-5%	Jun 2020
<b>LSST</b>	AURA	50	+1%	-2%	Jan 2020
<b>RCRV</b>	OSU	5	--	--	Sep 2023



# Overview of Projects in Design

- Antarctic Infrastructure Modernization for Science (AIMS):
  - Final Design Phase
  - FY 2019 Budget Request
- Large Hadron Collider High Luminosity Upgrade Program (HL-LHC):
  - Nearing end of Preliminary Design Phase



# New Major Facilities Governance

## AICA § 110 – Oversight of Major Facilities

- Strengthen oversight and accountability over the **full life-cycle**:
  - Calls for senior agency official and re-assessing R&R of other governance bodies
- First Chief Officer for Research Facilities appointed - Jan 2018
- Formed Facilities Governance Board (Strategic Issues)
- Established Accountable Directorate Representatives
- Reset MREFC panel as Facilities **Readiness** Panel (Stage-gate Reviews)



# Information For You

- Scientific & Operations
- Effective Teams
- Federal Budget
- Society for Science at User Research Facilities (SSURF)
- Cost & schedule good practices
- International
- Business Sessions – Grants Policy, T&C's & Fee
- Lessons Learned
- Cyber



# Information For You

- NSF Office of the Inspector General





# Where NSF needs your help

- NSF “Branding”
- Energy Improvement Programs
- Spiral Development & Mid-scale Oversight
- Formal Knowledge Management Program
- Recipient “Core Competencies”
- Monitoring Socio-economic Impact



# Research Infrastructure Strategic Issues

- National Science Board - O&M
- Mid-scale (AICA §109)
- What's next in the Major Facilities pipeline?



# Your Colleagues

- MagLab
- NEON
- LSST
- NHERI
- TACC
- Arecibo
- LIGO
- OOI
- NHERI
- NSO
- IODP
- IceCube
- NSCL
- Gemini
- LHC
- NCAR
- CHESS
- Academic Fleet
- Canada Foundation for Innovation
- Jefferson Lab
- DOE
- Program Officers
- Budget, Finance & Award Management
- Office of Inspector General
- Office of Legislative & Public Affairs
- NRAO
- DKIST
- Green Bank
- GAGE



**Thank You**

