



# ASHRA

## Sites and Civil Engineering

Much work to be done,  
but a start on Haleakala.

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*John Learned at ASHRA Meeting in Hawaii, 8 January 2004*

# Outline

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US Funding none now, plans

Haleakala: started

Hualalai: looks promising

Mauna Loa: discussions

Mauna Kea: defer to future

# US Funding

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- # Right now no US ASHRA funding.
- # Cannot use UHHEP DOE funds since ASHRA not a DOE approved project yet.
- # UH overcommitted, need more US collaborators.
- # Hopes for Japan-US funds.
- # With HPU make NSF proposal.

# Haleakala

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- # MOU with IfA in place now.
- # Have existing location.
- # Telescope delivered 12/03, on pad.
- # Garage in Maui, to mtn 1/12/04.
- # Need funds for assembly, wiring, ongoing expenses.
- # Excellent cooperation from IfA, Kuhn, and other test sites possible.

# Mauna Loa

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- # MLO operated by NOAA.
- # Dedicated to long term air monitoring.
- # Taiwan AMIBA under construction... existing infrastructure in Hilo.
- # Best location is helicopter pad, but needs to be transferred from state to NOAA.
- # Politics somewhat delicate.

# Hualalai

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- # Land belongs to Bishop Schools.
- # Very friendly... like education and research, supportive of our interest.
- # NuTel group visit, Aug. 2002.
- # Access difficult, no infrastructure.
- # Need some weather studies.

# Mauna Kea

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- # Politically delicate on IfA sites.
- # Best to keep low profile for several years.
- # Should explore use of high ranch lands, possibly avoiding enviro conflicts.
- # Everyone should be aware of need for care in public interactions on Big Isle.



## Summary

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We have just begun with site approvals, acquisition of infrastructure, measurements of site parameters, etc.

We very much need more US collaborators and funding sources.

Prospects are good, but very much work to do.