

# Annual NEPA Planning Summary Environmental Assessments Expected to be Prepared in the Next 12 Months

SLAC National Accelerator Laboratory: SC

*Enter APS report date here*

*Title, Location	Estimated Cost	Estimated Schedule (*NEPA Milestones)		Description
<b>LCLS Undulator II at SLAC. The SSO, in consultation with the NEPA Compliance Officer, will determine if an addendum to the approved EA for the LCLS project is sufficient to comply with the Department's NEPA requirements.</b>	\$35,000	Determination Date:	2010	LCLS Undulator 2 is envisioned to be a 0.2 - 2keV FEL x-ray source, capable of delivering x-rays to End Station A (ESA), located in the existing Research Yard at SLAC. It will also be configurable as a non-FEL hard x-ray source capable of delivering a chirped x-ray pulse for single-shot broad-spectrum measurements. The project would entail reconstruction of the electron beam transport to End Station A, construction and installation of a new undulator in the tunnel upstream of ESA and beam dump, and construction and installation of x-ray transport, optics, and diagnostics in ESA. It also includes the construction of an annex to End Station A , providing hutches for experiment stations.
		Transmittal to State:	TBD	
		EA Approval:	TBD	
		FONSI:	TBD	
		Determination Date:		
		Transmittal to State:		
		EA Approval:		
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		Transmittal to State:		
		EA Approval:		
		FONSI:		
		Determination Date:	1/15/2010	
		Transmittal to State:		
		EA Approval:		
		FONSI:		
		Determination Date:		
		Transmittal to State:		
		EA Approval:		
		FONSI:		

\* Please include projected NEPA milestones, if planned.





		FONSI:		
		Determination Date:		
		Transmittal to State:		
		EA Approval:		
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		Determination Date:		
		Transmittal to State:		
		EA Approval:	1/15/2010	
		FONSI:		

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		FONSI:		
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	<b>Total Estimated Cost</b>			
	\$35,000.00			

1/15/2010