2020 Astrophysical Decadal Survey - Probe Mission Preparatory Study Master Equipment List Based Parametric Total Lifecycle Cost Estimate

Mission Name / Acronym:	PICO	
Cost Estimator:	JPL Team X	
Date of Cost Estimate:	October 9, 2018	
Cost Estimate Based On:	Final Master Equipment List	
<u>PROJECT PHASE</u>		<u>COST [FY18 \$M]</u>
Phase A		(see Note 1)
	Mgmt, SE, MA	\$54
	Science	\$19
	Telescope	\$6
		\$162

Instrument 0

Phases B-D	Phases B-D Spacecraft, including A	
	MOS/GDS	
	Launch Vehicle and Serv	

Phase E-F

included in Phase B-D.

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Spacecraft, including ATI
MOS/GDS
Launch Vehicle and Serv
Reserves

Reserves

to be used only for non-binding rough order of magnitude planning purposes.

They do not constitute an implementation or cost commitment on the part of JPL or Caltech.

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l	Reserves
	Launch Vehicle and Service
	MOS/GDS
	Spacecraft, including ATLO

Operations
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Reserves
Launch Vehicle and Se
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- Team X estimates costs for Phase A-D. A break out of Phase A cost is not available. In this table, Phase A costs are

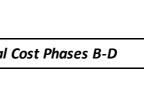
- This parametric cost estimate is based on the Probe's Master Equipment List derived from the Final Engineering Concept Definition Package that accurately reflects the mission described in the Probe's Final Report. This estimate is

- Team X estimates are generally model-based, and were generated after a series of instrument and mission level studies. Their accuracy is commensurate with the level of understanding typical to Pre-Phase-A concept development.



Total Cost Phases E-F

TOTAL LIFECYCLE COST



- - - \$150 \$167

\$272

\$44

- \$874

 - \$74
- \$10

\$958

- \$84