# NSF Cost Review, August 2022 Documents

Folder Organization

Main Folder: [1[9. Independent Cost Estimate documents](https://docushare.icecube.wisc.edu/dsweb/View/Collection-16494)](https://docushare.icecube.wisc.edu/dsweb/View/Collection-16494)

This folder contains the following subfolders:

[1030s](https://docushare.icecube.wisc.edu/dsweb/View/Collection-16497) Contains the UW 1030’s by year for FY23-FY26 (PY5-PY8)

[1030\_PY5\_Rev1.xlsx](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90527/1030_PY5_Rev1.xlsx)

[1030\_PY6\_Rev1.xlsx](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90527/1030_PY6_Rev1.xlsx)

[1030\_PY7\_Rev1.xlsx](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90527/1030_PY7_Rev1.xlsx)

[1030\_PY8\_Rev1.xlsx](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90527/1030_PY8_Rev1.xlsx)

[Cost Workbook](https://docushare.icecube.wisc.edu/dsweb/View/Collection-16496) Contains the following files:

[Final Combined Rebaseline Cost Workbook PY5-PY8 Rev1.xlsx](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90521/Final%20Combined%20Rebaseline%20Cost%20Workbook%20PY5-PY8%20Rev2.xlsx) This is the cost workbook that the 1030s above were derived from. This is under active review.

[Rebaseline Cost Workbook PY5-PY8 Rev4.xlsx](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90699/Rebaseline%20Cost%20Workbook%20PY5-PY8%20Rev4.xlsx) This is the latest cost workbook which has some corrected errors pointed out by the NSF reviewer. It also has updates for PCMS, escalation costs.

[RateTable\_Rebaseline](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90668/RateTable_Rebaseline.xlsx)  This is a rate table that contains values for Fringe and Indirect’s by University. It also contains generic rates for positions that are not yet filled.

[Costing Methodologies and Assumptions](https://docushare.icecube.wisc.edu/dsweb/View/Collection-16504) Contains the following files:

[D\_02\_IC\_Upgrade\_Cost\_Estimating\_Plan.pdf](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90242/IceCube%20Upgrade%20CEPv5_2.pdf)  Cost Estimating Plan for PY5-PY8 planning

[D\_03\_IC\_Upgrade\_KeyAssumptions.pdf](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90191/IceCubeGen2_KeyAssumptionsv-Upgrade_v1_15.pdf)  Key Assumptions Document for the PY5-PY8 Plan. Contains detailed assumptions on costs, schedule, escalation, contingency calculations, etc.

[NavigatingICUCosts.pdf](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90467/NavigatingICUCosts.pdf) Gives a quick overview of how to navigate the cost workbook and the relation to the Basis of Estimates and vendor quotes.

[D\_04\_IC\_Upgrade\_TravelAnalysis.pdf](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90304/D_04_IC_Upgrade_TravelAnalysis.pdf) This document analyses recent travel data to give guidance to the project team for estimating costs for travel and South Pole deployment.

[IceCube Upgrade Risk\_Management\_Plan\_2019-004.pdf](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90576/IceCube%20Upgrade%20Risk_Management_Plan_2019-004.pdf) Describes Project’s approach to risk management.

[IceCube Upgrade Risk Evaluation.pdf](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90679/IceCube%20Upgrade%20Risk%20Evaluation.pdf) Describes method and results of quantifying discrete risk impacts on cost and schedule.

[IceCube\_Upgrade\_Risk\_Registry.xlsx](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90677/Risk_Registry_July_16_2022.xlsx) Latest IceCube Risk Register for PY5-PY8.

[IceCube Upgrade ScopeV3\_1.pdf](https://docushare.icecube.wisc.edu/dsweb/Get/Document-90680/IceCube%20Upgrade%20ScopeV3_1.pdf) Describes the project’s up and down scope options.

[Basis of Estimates](https://docushare.icecube.wisc.edu/dsweb/View/Collection-16495) Contains folders for each WBS L2 area. In the folders are the Basis of Estimate documentation for each WBS element.