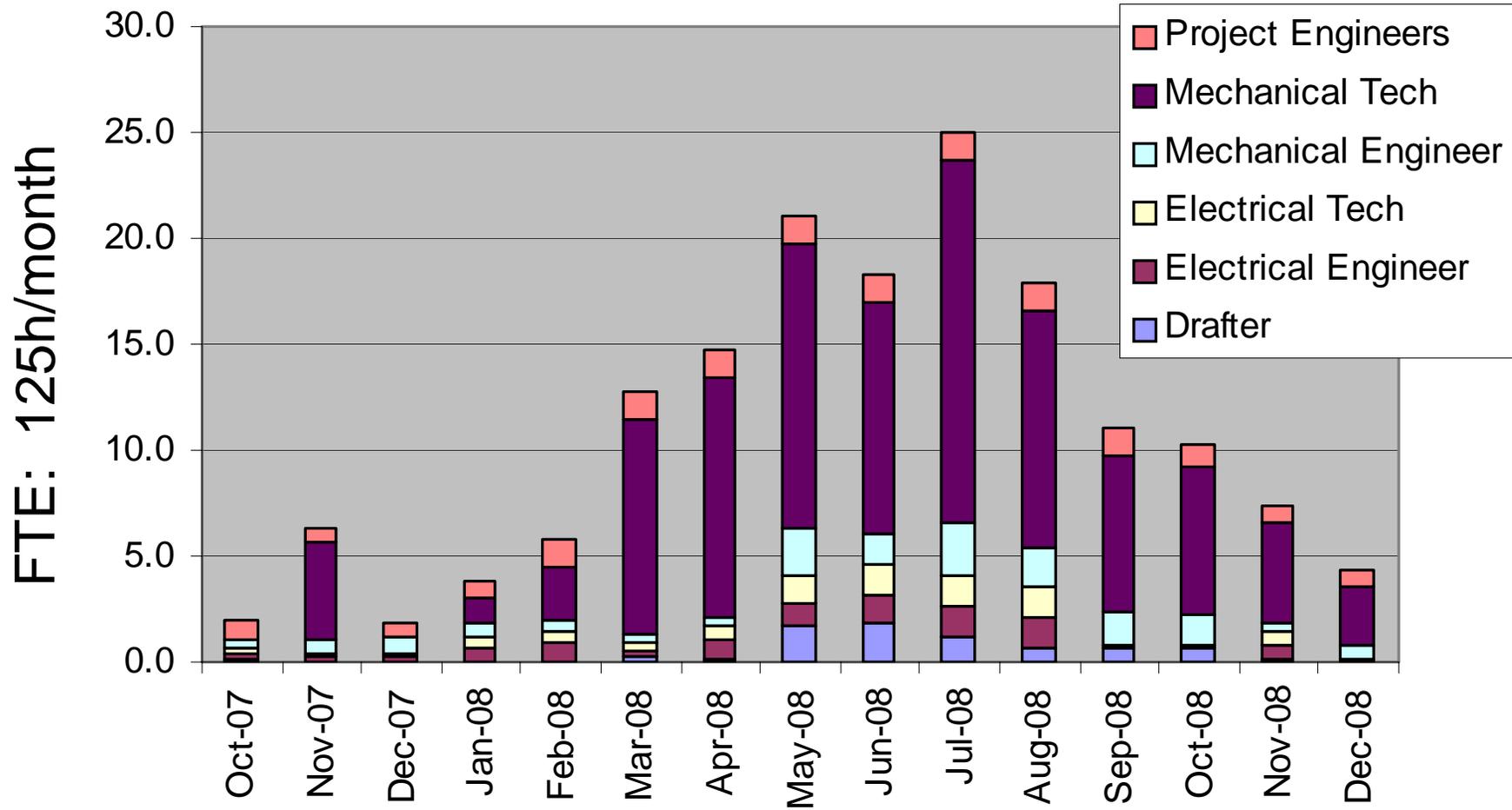


PPD Engineering Customer's Meeting
April 15, 2008
Debbie Harris & Bob DeMaat

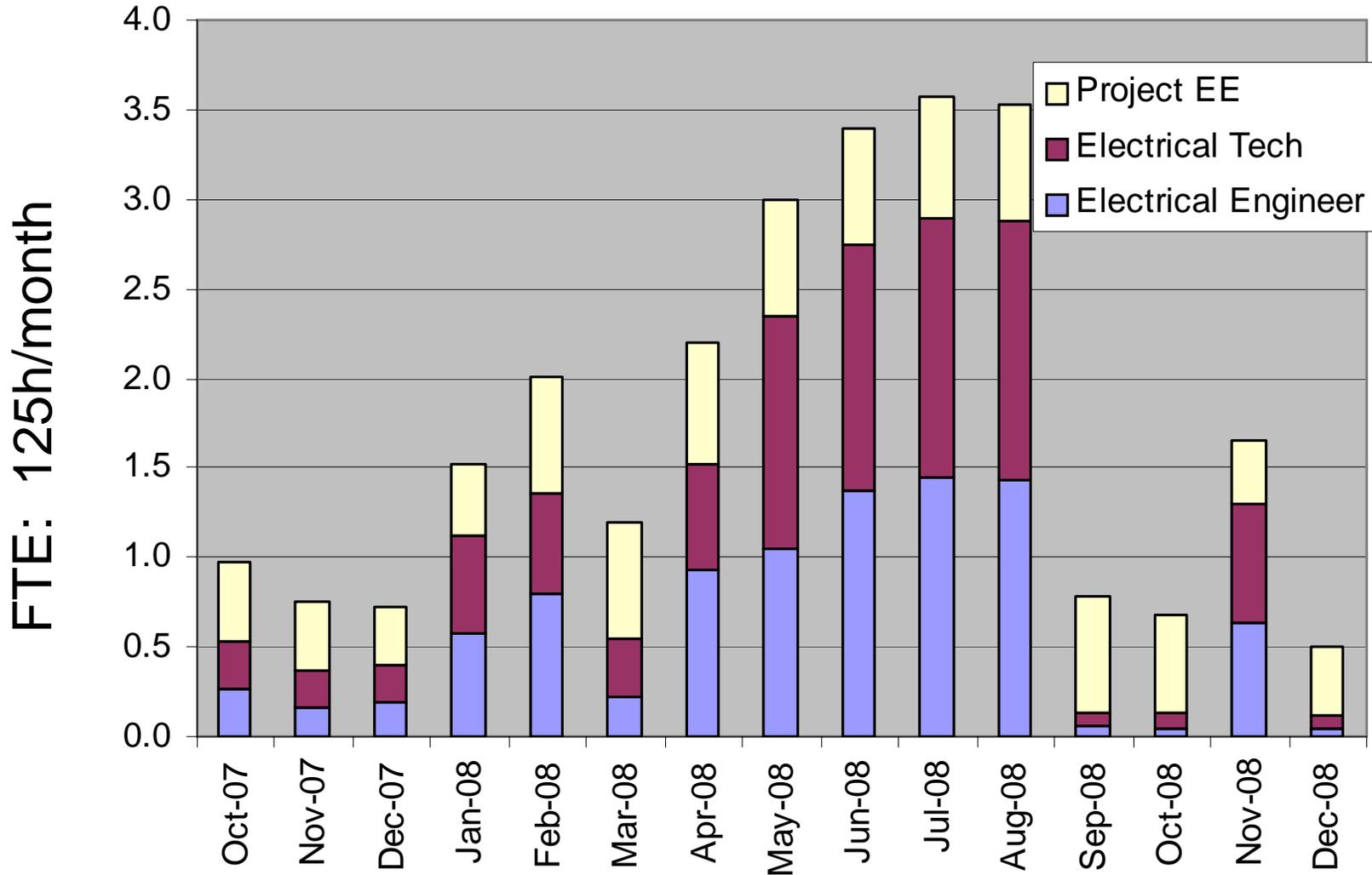


Resource Overview



Project Engineers: 60% through 1/08, then 100%

EED Resources in Project



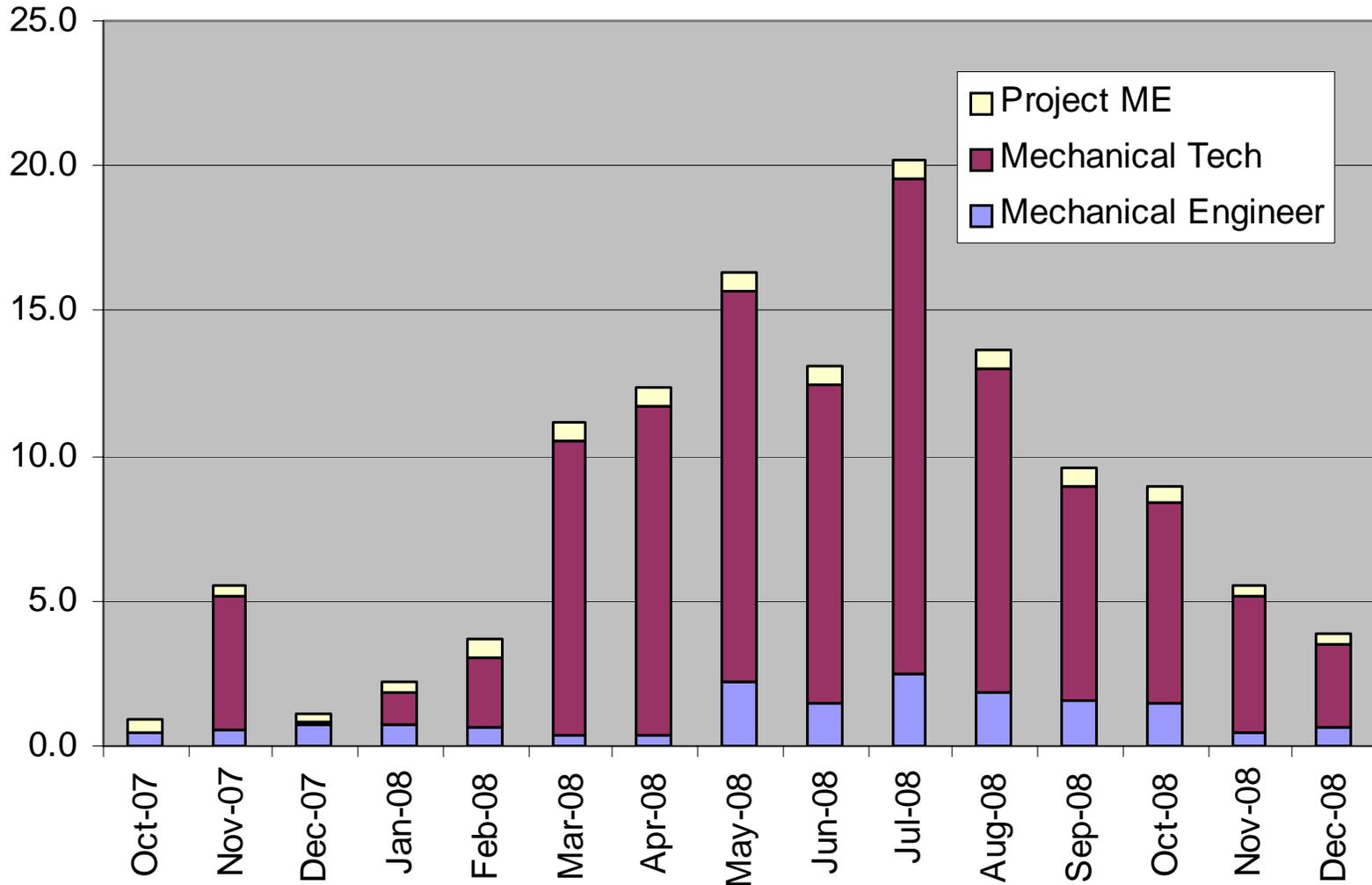
Reasons for Additional EED Efforts this year:



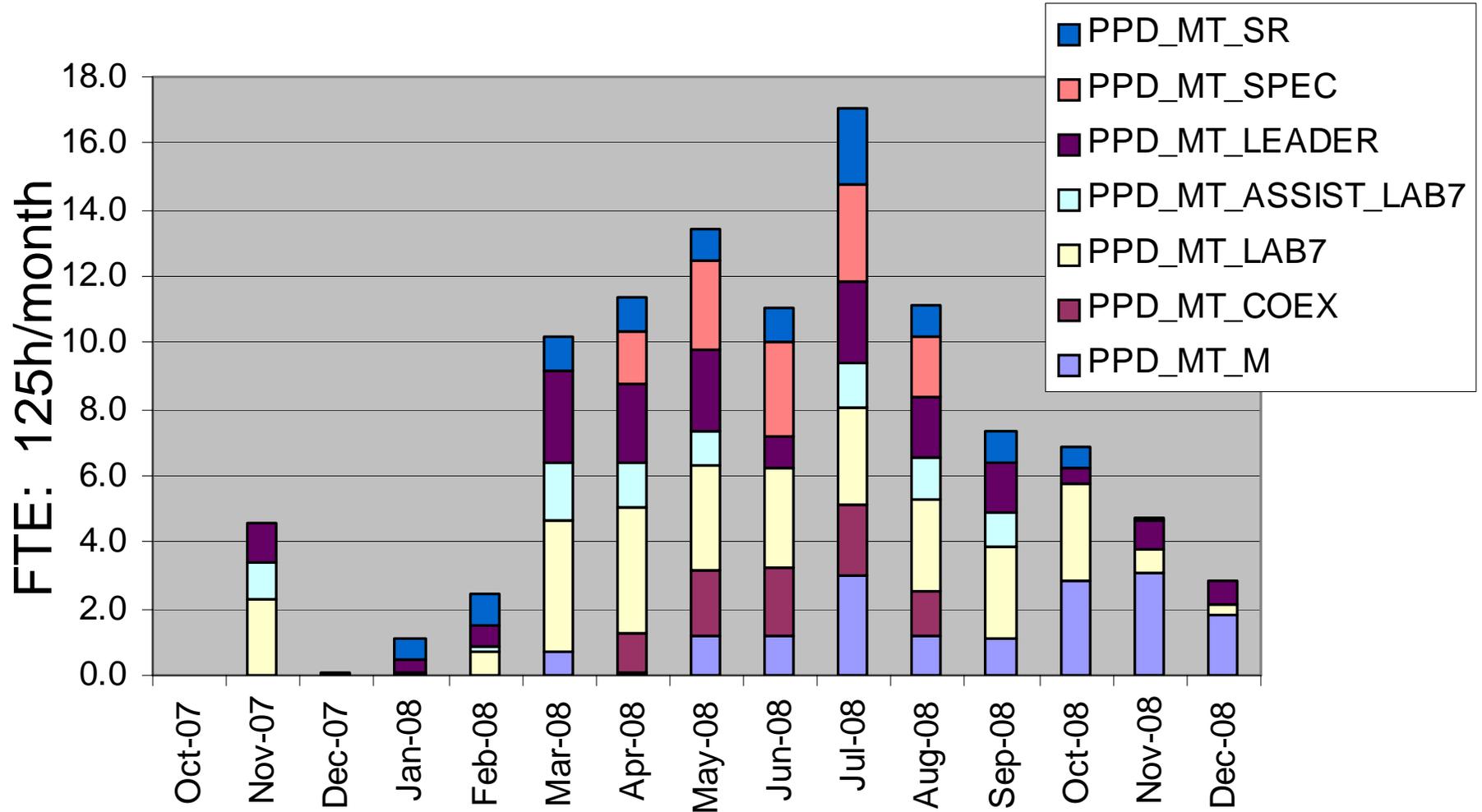
- Mapper Controls/DAQ requiring more work than originally budgeted
- Accelerated work on power supplies since people were available
 - This could turn into an M&S savings later if we can use current prototype design for final detector
- PMT Testing: Paul Rubinov, Christian and Tom have helped Ron Ransome at Rutgers with PMT testing, much more than originally budgeted. Paul has traveled to Rutgers at least twice to help debug the system
- PMT Base assembly: more work here, but...
 - Jumper Cables will NOT be assembled here, will be sent to external shop instead, resulting in less labor

Additional: meaning new since the original budget request in 6/07

MED Resources in Project



Mechanical Technician Needs



Mechanical Technician Categories and Tasks



- MT_SR: Mostly the two mechanical technicians working in Lab G for clear fiber cable assembly
- MT_Specialist: mostly for scintillator extrusion, 1 week of magnetic shield installation
- MT_Leader: Mostly connector polishing and WLS Fiber mirroring oversight, and some OD frame welding
- MT_Assist_Lab7: Mostly WLS Fiber and connector polishing
- Coextruders: all for scintillator extrusion
- MT_M: Lots of OD Steel welding oversight, Steel QC measurements

Slide courtesy D. Hoffer

Reasons for Additional MED Efforts this year:



- Need Bob Wands to do Finite Element Analysis on Magnetic field due to MINOS near detector coil
- Need someone to design additional magnetic shield
- We are using 100% of a Mechanical Technician (Tim and Mike) to help with clear fiber cable and ODU production, rather than bringing in an additional Rochester technician
- We had to measure the tracking prototype Lead thickness because vendor could not provide uniformity in thickness as originally spec'ed by the experiment.

Possible New Resource Needs



- Additional Scintillator Assembly factory at Fermilab
 - Will evaluate now, deciding in July whether to go ahead with this
 - Need to clear out new lab space
 - Will need 2 mechanical technicians for several (6?) months if we go ahead with this