

Addendum to Form C, APU for Laney Chemistry and Physics

Laney College Based on the Facilities Needs Table submitter November 13, 2012

Please list needs in order of priority within a particular category.

Maintenance

Deferred	Preventative	Ongoing	Emergency
<p>1. Floors in chemical stockrooms A235B, A278, and A279 are incomplete since last renovation and need to have adequate flooring installed and maintained.</p> <p>2. Replace faulty dishwashers in A235B and A278 (has been requested now for 7 years)</p> <p>3. Fix door to room A277A – doesn't close properly due to bent hinge.</p> <p>4. Install additional corrosive chemical storage cabinet in A278 and install fume vent.</p>	<p>1. Replace all power outlets on student workbenches with appropriate GFCI outlets – A235, A236, and A277.</p> <p>2. Replace old faucets and water spigots in Chemistry labs A235, A236, A277. Install back-flow preventers were necessary.</p> <p>3. Fix all broken laboratory drawers, some have broken or missing handles.</p>	<p>1. Maintain clean floors in all laboratories and chemical stockrooms – A235, A235B, A235C, A236, A237, A272, A274, A277, A278, A279</p> <p>2. Fix broken paper towel holders (or replace) in A235, A236, A237, and A277, refill them and maintain regularly.</p> <p>3. Maintain fume hoods and chemical storage cabinets in a all laboratories ventilation systems. Perform annual inspection and certification – A235, A235B, A236, A277, A278, A279</p> <p>4. Fix and maintain all radio controlled clocks in all lecture room, offices, and laboratories. A233, A235, A235A, A235B, A236, A237, A239, A266, A273, A274, A276, A277, A277A</p> <p>5. Clearly label all potable and non-potable water sources in all chemistry and physics laboratories, stockrooms, and lecture rooms: A233, A235, A235B, A236, A237, A239, A272, A273, A274, A277, A278, and A279.</p> <p>6. Maintain signage and wrenches on master gas shutoff valves in all laboratories, A235, A236, A237, A274. and A277.</p>	<p>1. Safety signs need to be reinstalled near eyewash/chemical shower stations in A277, A278, and A279.</p> <p>2. Chemical safety shower curtain in A278 is hazardous and should be fixed or removed.</p> <p>3. Purchase and install Class D (metal) fire extinguishers for A235B, A277 and A279.</p> <p>4. Fix eyewash station drain vents – sewer vapors enter laboratory in A236 – but all floor mounted stations in A235, A236, A235A, A237, A277, A278 and A279 have same style drain.</p> <p>5. Replace and install Corrosive material (blue) storage cabinet in A278.</p> <p>6. Check on ventilation efficiency of flammable storage cabinets in A235B, A278 and A279. Original install was faulty.</p>

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Reconstruction

Refurbish	Remodel	Renovate
<p>1. Install/Activate more Ethernet connections in the Chemistry and Physics laboratories A235, A236, A237, A274, A277, and A278</p> <p>2. Install Chalkboard/Whiteboard combination units in A235, A236, A237, A273, A274, A277 (non-smart classrooms)</p> <p>3. Remove old fashioned chalk board eraser cleaners in instructor's benchtops in A233, A239, A266, A273, and A277 and turn off the air supply to these units.</p>	<p>1a. Install clean compressed air source to feed analytical instruments in A277 and A277A and to all fume hoods in the department A235, A235B, A236, A237, A277, A278, A279.</p> <p>1b. Install compressed air purifier and nitrogen generator (both require clean compressed air from item 2)</p> <p>1c. Install compressed nitrogen gas line and needle valves to all hoods in A277.</p> <p>2a. Install instrument air compressor and electrical switch for atomic absorption (AA) in A236.</p> <p>2b. Install gas vent for atomic absorption (AA) apparatus in A236.</p> <p>3. Install water purification unit in A278 – involves mounting on sturdy wall, plumbing and electrical</p> <p>4. Replace window shades in A274 with darker “black-out” shades for creating conditions for total darkness (used for some Physics labs)</p> <p>5. Install steam lines for use in the fume hoods in A277</p>	

New Construction

Short Term 1-2 years	Mid Term 2-3 years	Long Term 3-5 years
	<p>Build a new science building complex for Chemistry, Biology, Physics, along with STEM center for Math and Geography</p>	