

## Appendix C

The Modernization Capital Expenditures used in Appendix C will be a function of the total capital expenditures that Customer makes at both East Plant and West Plant as part of the modernization of East Plant. These investments include but are not limited to the following:

- A) East Plant Smelter Upgrade: This will include everything in the “Main Project”, which will be presented to the Alcoa Board of Directors, and any other project required for that plant’s continued existence, such as:
  - Outfall compliance / “Water Vision” implementation
  - Ore Unloading / Transportation improvements
  - Corrections of deficiencies
  
- B) Demolition Old East Plant Completed Through 2020
  
- C) Additions and Modifications to West Plant Carbon Assets to Support the New East Plant Smelter:
  - Replace Butt Crushing Dust Collector
  - Rebuild Stripping Press
  - Cast Iron Cleaning
  - Refurbish Ball Mill
  - Anode Handling Cranes
  - Dry Scrubber
  - Upgrade Green Mill PLC/SCADA
  - Coke Unloading/Storage/Blending
  - Rebuild 3 Mixers
  - Install Bake Furnace FTM's
  - Rebuild Anode Bake Furnace #5\*
  - Install New Anode Formers\*
  - Revise Coke Fines Feed\*
  - Replace Preheaters\*
  - Upgrade Anode Cooling\*

\* These items are presently included in the Main Project but we currently evaluating the option of accelerating the installation of these items so they are up and running in advance of the new East Plant smelter.
  
- D) Additions and Modifications to the West Plant Casthouse Assets to Support the New East Plant Smelter:
  - Closed Loop Water Recycle
  - Increase Billet Output Phase 1 (includes tooling, inspection, sawing, banding, homogenization, cooling, racks, etc.)
  - Increase Billet Output Phase 2 (includes additional equipment beyond Phase 1)
  - Installation of New Automated Sow Caster (East/West Location TBD)