**Revision History – Final Scope Due by 11/13/2020**

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<th>Effective Date</th>
<th>Version</th>
<th>Description</th>
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<td>Final scope by due date. The scope is considered finalized without any addendum attached.</td>
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## 1. NRI Projects

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II. Transmission Projects

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### III. EIM/RC Projects

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<td>Corrections to existing English/Common Name mappings for use in WebOMS. Various equipment types including, Breaker, PowerTransformer, ShuntCompensator, Disconnect.</td>
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<td>Update Midway-Lapaloma #1 230kV ratings based on TR</td>
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<td>20EMS14294</td>
</tr>
<tr>
<td>106</td>
<td>IID_BA</td>
<td>Substation\Load - Single line diagram for New Generator coming into service</td>
<td>20EMS14169</td>
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<tr>
<td>107</td>
<td>IID_BA</td>
<td>Substation\Load - MW and MVAR for New Generator coming into service</td>
<td>20EMS14170</td>
</tr>
<tr>
<td>108</td>
<td>IID_BA</td>
<td>Generator - Single line diagram including new Valencia 2 generator.</td>
<td>20EMS14416</td>
</tr>
<tr>
<td>109</td>
<td>IID_BA</td>
<td>Generator - PSLF modeling data with Pmax,Pmin,Qmax,Qmin</td>
<td>20EMS14417</td>
</tr>
<tr>
<td>110</td>
<td>IID_BA</td>
<td>Generator - Generator Dynamic Data</td>
<td>20EMS14418</td>
</tr>
<tr>
<td>111</td>
<td>IID_TOP</td>
<td>Breaker(s): Disconnect(s) - IRO-010-6.17 switch and breaker status normally open or normally closed status updated per Chen's request</td>
<td>20EMS14174</td>
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<tr>
<td>112</td>
<td>IPCO_BA</td>
<td>Breaker(s): Disconnect(s) - Addition of 203A and 203B breakers.</td>
<td>20EMS14267</td>
</tr>
<tr>
<td>113</td>
<td>IPCO_BA</td>
<td>Breaker(s): Disconnect(s) - CADA 131H renamed to 131X. New analogs on BKAT-CADA terminal.</td>
<td>20EMS14268</td>
</tr>
<tr>
<td>114</td>
<td>IPCO_BA</td>
<td>Transmission Line - Changes to analogs and network model for LCST-CDAL line terminal; formerly LCST-BOBN.</td>
<td>20EMS14269</td>
</tr>
<tr>
<td>115</td>
<td>IPCO_BA</td>
<td>Transmission Line - Changes to analogs and network model for BOBN-CDAL line terminal; formerly BOBN-LCST.</td>
<td>20EMS14270</td>
</tr>
<tr>
<td>116</td>
<td>IPCO_BA</td>
<td>- All ICCP Object IDs for IPCO_BA FNM.</td>
<td>20EMS14271</td>
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<tr>
<td>117</td>
<td>IPCO_BA</td>
<td>- CIM export of IPCO_BA FNM.</td>
<td>20EMS14272</td>
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<tr>
<td>118</td>
<td>LDWP_BA</td>
<td>Substation\Load - Added missing line disconnect for APEX - HARRY ALLEN 1</td>
<td>20EMS14323</td>
</tr>
<tr>
<td>119</td>
<td>LDWP_BA</td>
<td>Substation\Load - Added missing load isolation disconnects for Bank K &amp; L</td>
<td>20EMS14324</td>
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<td>120</td>
<td>LDWP_BA</td>
<td>Substation\Load - Added missing load isolation disconnects for Bank K &amp; L</td>
<td>20EMS14325</td>
</tr>
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<td>121</td>
<td>LDWP_BA</td>
<td>Transmission Line - List of line segments to be changed to &quot;Series Compensator&quot; type</td>
<td>20EMS14326</td>
</tr>
<tr>
<td>122</td>
<td>NEVP_TOP</td>
<td>Transmission Line - Fixed noding for LOV-NSC__617 line</td>
<td>20EMS14276</td>
</tr>
<tr>
<td>123</td>
<td>NEVP_TOP</td>
<td>Breaker(s): Disconnect(s) - Updated Normal Statuses</td>
<td>20EMS14277</td>
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<tr>
<td>124</td>
<td>NEVP_TOP</td>
<td>Breaker(s): Disconnect(s) - Updated RTU - New CIM Measurement Names</td>
<td>20EMS14278</td>
</tr>
<tr>
<td>125</td>
<td>NWMT_BA</td>
<td>Generator - Updated SGIT Template to remove Colstrip Units 1 &amp; 2</td>
<td>20EMS14146</td>
</tr>
<tr>
<td>126</td>
<td>NWMT_TOP</td>
<td>Update phase shifter tap initial values</td>
<td>20EMS14126</td>
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<tr>
<td>127</td>
<td>PAC_TOP</td>
<td>Breakers/Disconnects - Rename and remap MO 133A's SCADA key and rename AS 136A to MO 136A</td>
<td>20EMS14177</td>
</tr>
<tr>
<td>128</td>
<td>PAC_TOP</td>
<td>Breakers/Disconnects - Add two MOABs</td>
<td>20EMS14178</td>
</tr>
<tr>
<td>129</td>
<td>PAC_TOP</td>
<td>Breakers/Disconnects - Add 7 devices</td>
<td>20EMS14179</td>
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<tr>
<td>130</td>
<td>PAC_TOP</td>
<td>Transmission Lines - Remove GOSHENI_SUGARMIL_161 and map measurements on GOSHENI_SUGARMIL_161_1</td>
<td>20EMS14180</td>
</tr>
<tr>
<td>131</td>
<td>PAC_TOP</td>
<td>Substation\Load - Remove substation</td>
<td>20EMS14181</td>
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<td>132</td>
<td>PAC_TOP</td>
<td>Breakers/Disconnects - Remove JP1</td>
<td>20EMS14182</td>
</tr>
<tr>
<td>133</td>
<td>PAC_TOP</td>
<td>Shunt Cap\Reactor\SVDs - Rename all associated names from BADWATER to BADWATES and add 30 MVAR reactor</td>
<td>20EMS14183</td>
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<tr>
<td>No</td>
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<td>134</td>
<td>PAC_TOP</td>
<td>Substation\Load - CAISO please change BA to PACE</td>
<td>20EMS14184</td>
</tr>
<tr>
<td>135</td>
<td>PGE_BA</td>
<td>Substation\Load - Instal Mobile 5 and line switch SW 5777 at Horthern station.</td>
<td>20EMS14259</td>
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<tr>
<td>136</td>
<td>PGE_BA</td>
<td>Substation\Load - Build Harborton 230kV yard.</td>
<td>20EMS14260</td>
</tr>
<tr>
<td>137</td>
<td>PGE_BA</td>
<td>- List of ICCP points mapping</td>
<td>20EMS14262</td>
</tr>
<tr>
<td>138</td>
<td>PGE_BA</td>
<td>- Model Difference reoport</td>
<td>20EMS14263</td>
</tr>
<tr>
<td>139</td>
<td>PGE_BA</td>
<td>- Model Updates for DB102: CIMxml model file</td>
<td>20EMS14264</td>
</tr>
<tr>
<td>140</td>
<td>PNM</td>
<td>Add ICCP to the GLADSTONE, SPRINGER, BLACKLAK, TAOS, OJOCALIE, HERNANDZ, and RAINSVIL stations</td>
<td>20EMS14429</td>
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<tr>
<td>141</td>
<td>PNM_BA</td>
<td>Substation\Load - Added New Acoma Station Load: 588P Acoma Tap MW; 588Q Acoma Tap MVAR</td>
<td>20EMS14295</td>
</tr>
<tr>
<td>142</td>
<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added Breakers and Switches: BW-376A-A Disc Sw; BW-376A-B Disc Sw; BW-376A-C Disc Sw58861;58862</td>
<td>20EMS14296</td>
</tr>
<tr>
<td>143</td>
<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added New La Morada Switch: Psuedo Spare 2</td>
<td>20EMS14297</td>
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<tr>
<td>144</td>
<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added New Lost Horizon Switch: Psuedo Spare 2</td>
<td>20EMS14298</td>
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<tr>
<td>145</td>
<td>PNM_BA</td>
<td>Substation\Load - Added Petroglyph Load MVAR</td>
<td>20EMS14299</td>
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<tr>
<td>146</td>
<td>PNM_BA</td>
<td>Substation\Load - Added Petroglyph Load MW</td>
<td>20EMS14300</td>
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<td>147</td>
<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added 66663</td>
<td>20EMS14301</td>
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<td>148</td>
<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added 66662</td>
<td>20EMS14302</td>
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<td>149</td>
<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added 66661</td>
<td>20EMS14303</td>
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<td>Breaker(s)\ Disconnect(s) - Added 67765</td>
<td>20EMS14304</td>
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<td>151</td>
<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added 67761</td>
<td>20EMS14305</td>
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<td>152</td>
<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added 67762</td>
<td>20EMS14306</td>
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<td>153</td>
<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added 67763</td>
<td>20EMS14307</td>
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<td>154</td>
<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added 69963</td>
<td>20EMS14308</td>
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<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added 65565</td>
<td>20EMS14309</td>
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<td>156</td>
<td>PNM_BA</td>
<td>Breaker(s)\ Disconnect(s) - Added 65561</td>
<td>20EMS14310</td>
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<td>157</td>
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<td>Breaker(s)\ Disconnect(s) - Added 68863</td>
<td>20EMS14311</td>
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<td>158</td>
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<td>Breaker(s)\ Disconnect(s) - Added 68862</td>
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<td>159</td>
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<td>Breaker(s)\ Disconnect(s) - Added 68861</td>
<td>20EMS14313</td>
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<td>160</td>
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<td>Breaker(s)\ Disconnect(s) - Added 68865</td>
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<td>161</td>
<td>PNM_BA</td>
<td>Breaker(s): Disconnect(s) - Added Petg Spare 3</td>
<td>20EMS14315</td>
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<td>162</td>
<td>PNM_BA</td>
<td>Breaker(s): Disconnect(s) - Added Petg Spare 2</td>
<td>20EMS14316</td>
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<td>163</td>
<td>PNM_BA</td>
<td>Breaker(s): Disconnect(s) - Added 5261</td>
<td>20EMS14317</td>
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<td>164</td>
<td>PSEI_BA</td>
<td>- ICCP list</td>
<td>20EMS14265</td>
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<td>165</td>
<td>PSEI_BA</td>
<td>- full CIM model</td>
<td>20EMS14266</td>
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<td>166</td>
<td>SNPD_TOP</td>
<td>Generator - Addition of dynamic model of Jackson Unit 4</td>
<td>20EMS13961</td>
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<tr>
<td>167</td>
<td>SNPD_TOP</td>
<td>Generator - Addition of dynamic model of Jackson Unit 3</td>
<td>20EMS13962</td>
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<td>168</td>
<td>SNPD_TOP</td>
<td>Generator - Addition of dynamic model of Jackson Unit 2</td>
<td>20EMS13963</td>
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<td>169</td>
<td>SNPD_TOP</td>
<td>Generator - Addition of dynamic model of Jackson Unit 1</td>
<td>20EMS13964</td>
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<td>170</td>
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<td>SNPD ICCP points</td>
<td>20EMS13996</td>
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<td>171</td>
<td>SNPD_TOP</td>
<td>Substation/Load - This new ICCP list is intended add missing SNPD SCADA points from what BPA submitted.</td>
<td>20EMS14318</td>
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<td>Transformer - This new ICCP list is intended add missing SNPD SCADA points from what BPA submitted.</td>
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<td>Generator - This new ICCP list is intended add missing SNPD SCADA points from what BPA submitted.</td>
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<td>SNPD_TOP</td>
<td>Transmission Line - This new ICCP list is intended add missing SNPD SCADA points from what BPA submitted.</td>
<td>20EMS14321</td>
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<td>175</td>
<td>SNPD_TOP</td>
<td>Breaker(s): Disconnect(s) - This new ICCP list is intended add missing SNPD SCADA points from what BPA submitted.</td>
<td>20EMS14322</td>
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<td>176</td>
<td>SRP</td>
<td>PINPK, PINPKWLC</td>
<td>20EMS14210</td>
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<td>177</td>
<td>TPWR_BA</td>
<td>- Response to RC Data Request 6.10: Dynamic Ratings</td>
<td>20EMS14026</td>
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<td>178</td>
<td>TPWR_BA</td>
<td>- Facility Ratings</td>
<td>20EMS14028</td>
</tr>
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<td>179</td>
<td>TPWR_BA</td>
<td>- Facility Ratings (Name change: PRAXAIR to LINDE and PRAXIR_T to LINDE_T)</td>
<td>20EMS14375</td>
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