

1 Q. Please provide the capital addition dollars made to the Holyrood Plant in 2011 and  
2 estimated/budgeted for 2012 and 2013. Please provide the specific reasons  
3 justifying the need for the Holyrood plant additions made/budgeted in each year  
4 2011, 2012, and 2013. Please identify the portion of the additions made in 2011  
5 and planned/budgeted for each year 2012-2013 that are not expected to live  
6 beyond the date the plant will no longer provide service.

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9 A. Refer to IC-NLH-43 Attachment 1 for a list of capital additions made to the Holyrood  
10 Plant in 2011 and the budgeted capital additions for 2012. The 2013 capital budget  
11 is still under development and therefore not available. The assets that are not  
12 expected to be in service beyond 2020 have no asset type whereas those to be used  
13 to support the synchronous condenser mode of operations have an asset type of  
14 "SYN".

**Actual Capital Additions for 2011 and Budgeted Capital Additions for 2012**  
**Holyrood Plant**

<b>Description</b>	<b>Cost \$</b>	<b>Asset Type</b>	<b>Justification</b>
<b><u>2011 Actuals</u></b>			
Battery Charger	17,750	SYN	Reliability
Confined Space Isolations	1,395,040		Safety
Confined Space Isolations	73,423	SYN	Safety
Upgrade Unit 1 Stack Breeching	272,324		Reliability
Water Treatment Plant Controls	877,165		Aging infrastructure / reliability
Pumphouse Motor Control Centre	529,613	SYN	Safety / reliability
Install Warm Air Makeup Access	299,723		Safety
Replace Boiler Blowdown Tanks	743,080		Safety / reliability
Weatherhoods for Vents	549,054	SYN	Safety
Fall Protection for Stacks 1,2 and 3	62,502		Safety
<b>Total 2011</b>	<b>4,819,674</b>		
<b><u>2012 Budget</u></b>			
Replace Programmable Logic Controllers	748,100		Aging infrastructure / reliability
Upgrade Electrical Equipment	206,300	SYN	Safety / reliability
Replace Steam Seal Regulator Unit 2	438,400		Reliability
Upgrade Hydrogen Systems	800,400	SYN	Safety / reliability
Upgrade Synchronous Condenser Unit 3	405,500	SYN	Cost Efficiencies
Refurbish Fuel Storage Facility	2,641,000		Aging infrastructure / reliability
Upgrade Stack Breaching Unit 1	1,522,000		Reliability
Replace Relay Panels Unit 3	553,600	SYN	Safety / reliability
Upgrade Forced Draft Fan Ductwork Units 2 and 3	928,600		Reliability
Upgrade Stack Breaching Units 2 and 3	1,505,100		Reliability
Upgrade Fuel Oil Heat Tracing	1,474,300		Safety / reliability
Replace Beta Attenuation Monitoring Analyzers	160,900		Mandatory / environmental
Overhaul Unit 1 Turbine - Thermal	4,193,100		Reliability
Condition Assessment and Life Extension Phase 2	1,215,700		Reliability
<b>Total 2012</b>	<b>16,793,000</b>		