

- 1 Q. [Account TO9 - Turbines] - Please provide a more detailed description of the type of
2 generating unit associated with the turbines set forth in response to CA-NLH-146
3 (e.g. 30 megawatt combustion turbines, etc.).
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6 A. Please see CA-NLH-228 Attachment 1.

Detailed Description of assets in Account T09 - Turbines

Asset Number	Description	Depreciation Start Date	Net Depreciable Cost (\$)	Further Description
58773	Turbine No. 1-BDE	1/1/1967	280,641	75MW Francis Turbine - Bay d'Espoir Unit 1
58879	Draft Tube-Turbine #1-BDE	1/1/1967	8,066	75MW Francis Turbine - Bay d'Espoir Unit 1
58891	Autogreaser-Turbine #1-BDE	1/1/1967	2,275	75MW Francis Turbine - Bay d'Espoir Unit 2
58949	Turbine No. 2-BDE	1/1/1967	280,641	75MW Francis Turbine - Bay d'Espoir Unit 2
59077	Draft Tube-Turbine #2-BDE	1/1/1967	8,066	75MW Francis Turbine - Bay d'Espoir Unit 2
59086	Autogreaser-Turbine #2-BDE	1/1/1967	2,275	75MW Francis Turbine - Bay d'Espoir Unit 3
59151	Turbine No. 3-BDE	1/1/1967	280,641	75MW Francis Turbine - Bay d'Espoir Unit 3
59282	Draft Tube-Turbine #3-BDE	1/1/1967	8,066	75MW Francis Turbine - Bay d'Espoir Unit 3
59291	Autogreaser-Turbine #3-BDE	1/1/1967	2,275	75MW Francis Turbine - Bay d'Espoir Unit 3
59365	Turbine No. 4-BDE	1/1/1967	280,641	75MW Francis Turbine - Bay d'Espoir Unit 4
59488	Draft Tube-Turbine #4-BDE	1/1/1967	8,066	75MW Francis Turbine - Bay d'Espoir Unit 4
59496	Autogreaser-Turbine #4-BDE	1/1/1967	2,275	75MW Francis Turbine - Bay d'Espoir Unit 4
59556	Turbine No. 5-BDE	1/1/1970	833,337	75MW Francis Turbine - Bay d'Espoir Unit 5
59679	Draft Tube-Turbine #5-BDE	1/1/1970	12,500	75MW Francis Turbine - Bay d'Espoir Unit 5
59688	Autogreaser-Turbine #5-BDE	1/1/1970	5,339	75MW Francis Turbine - Bay d'Espoir Unit 5
59790	Turbine No. 6-BDE	1/1/1970	833,337	75MW Francis Turbine - Bay d'Espoir Unit 6
59909	Draft Tube-Turbine #6-BDE	1/1/1970	12,500	75MW Francis Turbine - Bay d'Espoir Unit 6
59918	Autogreaser-Turbine #6-BDE	1/1/1970	5,339	75MW Francis Turbine - Bay d'Espoir Unit 6
60096	Draft Tube-Turbine #7-BDE	1/1/1978	220,107	150MW Francis Turbine - Bay d'Espoir Unit 7
60104	Autogreaser-Turbine #7-BDE	1/1/1967	20,579	150MW Francis Turbine - Bay d'Espoir Unit 7
60732	Governor System - PRV Unit	3/9/1989	270,376	8MW Francis Turbine - Paradise River Unit 1
61677	Turbine - USL	1/21/1983	7,091,357	84MW Francis Turbine - Upper Salmon Unit 1
62135	Turbine No. 1 - Cat	8/2/1985	5,463,508	67MW Francis Turbine - Cat Arm Unit 1
62318	Turbine No. 2 - Cat	8/2/1985	5,463,508	67MW Francis Turbine - Cat Arm Unit 2
62985	Turbine - PRV Unit	3/9/1989	1,301,815	8MW Francis Turbine - Paradise River Unit 1
63097	Draft tube/Maintenance Gates	3/9/1989	72,469	40MW Francis Turbine - Granite Canal Unit 1
300232	Spiral Case	7/1/2003	119,687	40MW Francis Turbine - Granite Canal Unit 1
300233	Draft Tube	7/1/2003	98,935	40MW Francis Turbine - Granite Canal Unit 1
300234	Turbine (Instrumentation)	7/1/2003	262,605	40MW Francis Turbine - Granite Canal Unit 1
306447	Runner	7/1/2003	1,665,949	40MW Francis Turbine - Granite Canal Unit 1
306448	Head cover Assembly	7/1/2003	1,000,000	40MW Francis Turbine - Granite Canal Unit 1
306449	Guide Bearing Assembly	7/1/2003	200,000	40MW Francis Turbine - Granite Canal Unit 1
306450	Shaft Shield System	7/1/2003	75,000	40MW Francis Turbine - Granite Canal Unit 1
306451	Draft tube Gates	7/1/2003	250,000	40MW Francis Turbine - Granite Canal Unit 1
306452	Drainage Pumps	7/1/2003	100,000	40MW Francis Turbine - Granite Canal Unit 1
306453	Draft tube Monorail Hoist	7/1/2003	200,000	40MW Francis Turbine - Granite Canal Unit 1
333506	Turbine Bearing Oil Level Sys	10/30/2009	33,585	67MW Francis Turbine - Cat Arm Unit 1
333507	Turbine Bearing Oil Level Sys	10/30/2009	33,585	67MW Francis Turbine - Cat Arm Unit 2
99003850	Capital Spare - G.V. Ringfedders For Turbine	3/9/1989	258	8MW Francis Turbine - Paradise River Unit 1
99003851	Capital Spare - Bearing Pads For Turbine	3/9/1989	14,726	8MW Francis Turbine - Paradise River Unit 1
99003894	Provide & Install Index Testing Of Turbine Units At Cat Arm	12/23/1988	4,360	67MW Francis Turbine - Cat Arm Unit 2
99004205	Capital Spares - Draft Tube Gate - Upper Salmon	1/21/1983	746	84MW Francis Turbine - Upper Salmon Unit 1
99004206	Capital Spares - Turbine - Upper Salmon	1/21/1983	46,030	84MW Francis Turbine - Upper Salmon Unit 1
99004300	Turbine & Governors - Draft Turbine	12/12/1980	62,550	80MW Francis Turbine - Hinds Lake Unit 1
99004302	Turbines & Governors - Turbine	12/12/1980	1,973,900	80MW Francis Turbine - Hinds Lake Unit 1
99004456	Misc - Capital Spares -(Turbine)	12/12/1980	59,000	80MW Francis Turbine - Hinds Lake Unit 1
99005630	Monitor Vibration On Turbine Shafts At BDE - Units 1-6	4/1/1987	8,893	75MW Francis Turbines - Bay d'Espoir Units 1-6
99005649	Turbines At BDE - Stage 3	1/1/1978	4,112,712	150MW Francis Turbine - Bay d'Espoir Unit 7
99006086	Drafttube Gates Ph #2-BDE	1/1/1978	95,459	150MW Francis Turbine - Bay d'Espoir Unit 7
99006150	Capital Spares - Turbine Unit	1/1/1978	34,500	150MW Francis Turbine - Bay d'Espoir Unit 7
99032152	Turbine(Hydraulic Equipment)-Unit1	1/1/1980	34,823	80MW Francis Turbine - Hinds Lake Unit 1
99041940	Turbine	7/1/2003	7,957,421	40MW Francis Turbine - Granite Canal Unit 1
99043356	Provide & Install Index Teg Of Turbine Units At Cat Arm	12/23/1988	4,360	67MW Francis Turbine - Cat Arm Unit 2
99043365	Turbines & Governors - Tur By Bofors/Nohab, 77300kw	12/12/1980	657,967	80MW Francis Turbine - Hinds Lake Unit 1
93064	Turbine	1/1/1982	0	450Kw (0.45 MW) Generator
6804	#1 Turb. Lube Oil Purification	4/23/1993	29,291	Lube,Oil and Filter System (Bowser System)
7715	#2 Turb Lube Oil Purification	4/23/1993	29,291	Lube,Oil and Filter System (Bowser System)
303295	Anti Fouling System U3	6/14/2007	305,590	Copper Ion Injection Systems (Retard Mussel Growth)
303300	Anti Fouling System-Unit 1	6/14/2007	305,590	Copper Ion Injection Systems (Retard Mussel Growth)
303301	Anti Fouling System Unit 2	6/14/2007	<u>305,590</u>	Copper Ion Injection Systems (Retard Mussel Growth)
Total			42,852,399	