Energy Risk Management/Power Supply Update – Q1’2020

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Power Supply
Power Supply Update

Graph 1: Tacoma System Inflows
(Tacoma System Hydro Inflows, Water Year 1929 – 2020)
Graph 2: Federal System Inflows
(Federal System Hydro Inflows, Water Year 1961 – 2020)
Power Supply Update

Graph 3: WY 2020 Tacoma System Inflows
(Tacoma System Inflows Annual Avg., Water Year 1929 – 2020)
Graph 4: Cowlitz Hydroelectric Project’s Elevation
(Cowlitz Elevation, Current vs. Historic)
Power Supply Update

Graph 5: Cushman Hydroelectric Project Elevation
(Cushman Elevation, Current vs. Historic)

Maximum Allowed Elevation (2020)

Historic Average

2020

735 ft

Historic Range

Full
Power Supply Update

Graph 6: Actual versus Budgeted Sales and Purchase Volumes
Wholesale Net Revenues
Wholesale Net Revenues

Graph 7: Actual Revenue is $26M Below Budget Biennium-To-Date
(Monthly Actual vs. Budget Wholesale Purchases and Net Revenues)
Wholesale Net Revenues

Graph 8: Lower Load Expected Due to Stay-At-Home, Recession
(Moderate Recession Load Scenario)
Wholesale Net Revenues

Graph 9: High Q1 Revenues, Projections Remain Below Budget
(Cumulative Actual vs. Budget Wholesale Net Revenues, 2019 – 2020)
Wholesale Net Revenues

Graph 10: Probability of Making Budget Has Increased to 13%
(Risk Model Simulation of Biennial Net Revenues, 2019 – 2020)

13% probability of exceeding the biennium budget of $79.3M