New Resources Cost Summary

Avista has several resource alternatives for this IRP. Each alternative provides different benefits, costs and risks. The IRP identifies the relevant characteristics and chooses a set of resources that are actionable, meet energy and capacity needs, balance renewable requirements, and minimize costs. Figure 6.2 shows comparative cost per MWh of each new resource alternative over the first 20 years of project life using nominal levelized costs. Tables 6.8 and 6.9 provide detailed assumptions for each type of resource. The ultimate resource selection goes beyond simple levelized cost analyses and considers the capacity contribution of each resource, among other items discussed in the IRP.

CCCT (1x1) w/ duct burner (air) \$71/MWh \$71/MWh Frame FA CT \$77/MWh Hybrid CT Reciprocating Engine \$77/MWh \$80/MWh Aero CT Frame EA CT \$82/MWh \$99/MWh Coal (Super-Critical) Geothermal \$107/MWh \$107/MWh Landfill Gas \$110/MWh Wind On System \$122/MWh Wind Off System Coal (IGCC) \$130/MWh \$146/MWh Anaerobic Digester \$162/MWh **Wood Biomass** \$174/MWh Coal (IGCC w/ Seq) \$178/MWh Nuclear \$284/MWh Solar Photovoltaic

Figure 6.2: New Resource Levelized Costs (first 20 Years)

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