

EXHIBIT SC-9 (JIF-9)

Current, Projected, and Emerging Capital Expenditures to Current and Emerging Environmental Regulations

| | Previous Retrofits MPA & WY Rate Case | | Current Case Retrofits Exhibit RMP_(SRM-3) 8.8.22 | | | Projected Retrofits Costs estimated | | Emerging Retrofits Costs estimated | | | | | |
|-----------------|--|---------------------------------|--|-------|---------------------------|--|------|---|------|---|------|------|--------|
| Dave Johnston 3 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | FGD [BART] \$293.0 | \$9.5 | | | | | | | | | | |
| NO _x | | | LNB [BART] \$2.6 | | | | | SCR [BART] \$52.1 | | | | | |
| Particulates | | Baghouse [BART] <i>above</i> | | | | | | | | | | | |
| Mercury | | | Hg testing [MACT] \$1.1 | \$0.3 | | | | ACI [MACT] \$2.9 | | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] ~ | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] ~ | | | | | |
| Water Use | | | | | | | | | | Cooling Tower; Entrainment Remediation [Cooling rule] \$58.1 | | | |
| Turbine Upgrade | | | Controls \$12.0 | | | | | | | | | | |
| Dave Johnston 4 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | | FGD [BART] \$100.8 | | | | | | | | |
| NO _x | | LNB [BART] \$8.9 | | | | | | SCR [BART] \$76.0 | | | | | |
| Particulates | | | | | Baghouse [BART] \$58.3 | | | | | | | | |
| Mercury | | | | | | | | ACI [MACT] \$3.1 | | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] ~ | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] ~ | | | | | |
| Water Use | | Cooling \$5.8 | | | | | | | | Impingement Remediation [Cooling rule] ~ | | | |
| Turbine Upgrade | | | Upgrade \$26.2 | | | | | | | | | | |

Current, Projected, and Emerging Capital Expenditures to Current and Emerging Environmental Regulations

**Exhibit SC- (JIF-9)
Witness: Jeremy Fisher**

| | Previous Retrofits MPA & WY Rate Case | | | Current Case Retrofits Exhibit RMP_ (SRM-3) 8.8.22 | | | Projected Retrofits Costs estimated | | | Emerging Retrofits Costs estimated | | | |
|-------------------|--|------------------|---------------------|---|-----------------------|-------------|--|---|---|---------------------------------------|-------------|-------------|---------------|
| Naughton 1 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | | FGD [BART] \$120.3 | | | | | | | | |
| NO _x | | | LNB [BART] \$0.5 | | LNB [BART] \$9.4 | | | SCR [BART] \$105.8 | | | | | |
| Particulates | | | FGC [BART] \$0.9 | | | | | Baghouse [MACT] \$75.3 | | | | | |
| Mercury | | | | | | | | ACI [MACT] \$3.3 | | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] ~ | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] ~ | | | | | |
| Water Use | | | | | | | | | Impingement Remediation [Cooling rule] ~ | | | | |
| Turbine Upgrade | | | | | | | | | | | | | |
| Naughton 2 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | FGD [BART] \$157.5 | | | | | | | | | |
| NO _x | | | | LNB [BART] \$10.4 | | | | SCR [BART] \$48.1 | | | | | |
| Particulates | | | FGC [BART] \$1.0 | | | | | Baghouse [MACT] \$45.3 | | | | | |
| Mercury | | | | Hg testing [MACT] \$0.5 | | | | ACI [MACT] \$2.8 | | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] ~ | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] ~ | | | | | |
| Water Use | | | | | | | | | Impingement Remediation [Cooling rule] ~ | | | | |
| Turbine Upgrade | | | | | | | | | | | | | |
| Naughton 3 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | | | | FGD Upgrade [BART] ~ | | | | | | |
| NO _x | | | | | | | LNB & SCR [BART] \$67.5 | | | | | | |
| Particulates | | | | | | | Baghouse [BART] \$55.5 | | | | | | |
| Mercury | | | | | | | | ACI [MACT] \$3.0 | | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] ~ | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] ~ | | | | | |
| Water Use | | | | | | | | | Impingement Remediation [Cooling rule] ~ | | | | |
| Turbine Upgrade | | Cooling \$5.0 | | | | | | | | | | | |

Current, Projected, and Emerging Capital Expenditures to Current and Emerging Environmental Regulations

**Exhibit SC- (JIF-9)
Witness: Jeremy Fisher**

| | Previous Retrofits MPA & WY Rate Case | | | Current Case Retrofits Exhibit RMP_ (SRM-3) 8.8.22 | | | Projected Retrofits Costs estimated | | | Emerging Retrofits Costs estimated | | | |
|----------------------|--|-------------------------------|----------------------------|---|-------------|-------------|--|---|-------------|---|-------------|-------------|---------------|
| Wyodak 1 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | | | | | | | | | | |
| NO _x | | | | LNB [BART] \$12.3 | | | | SCR [BART] \$78.1 | | | | | |
| Particulates | | | | Baghouse [BART] \$103.2 | | | | | | | | | |
| Mercury | | | | | | | | ACI [MACT] \$3.1 | | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] ~ | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] ~ | | | | | |
| Water Use | | | | ACC replace \$22.2 | | | | | | Impingement Remediation [Cooling rule] ~ | | | |
| Turbine Upgrade | | | | | | | | | | | | | |
| Jim Bridger 1 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | FGD Upgrades [BART] \$16.0 | \$1.0 | | | | | | | | | | |
| NO _x | | | LNB [BART] \$8.6 | | | | | SCR [BART] \$106.6 | | | | | SCR |
| Particulates | | | | | | | | Baghouse [MACT] \$73.9 | | | | | |
| Mercury | | | | | | | | ACI [MACT] \$3.3 | | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] ~ | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] ~ | | | | | |
| Water Use | | | | | | | | | | Impingement Remediation [Cooling rule] ~ | | | |
| Turbine Upgrade | | | Upgrade \$4.7 | | | | | | | | | | |
| Jim Bridger 2 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | FGD Upgrade [BART] \$14.7 | | | | | | | | | | | |
| NO _x | LNB [BART] | | | | | | | SCR [BART] \$106.6 | | | | | SCR |
| Particulates | | | | | | | | Baghouse [MACT] \$73.9 | | | | | |
| Mercury | | | Hg testing [MACT] \$0.6 | | | | | ACI [MACT] \$3.3 | | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] ~ | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] ~ | | | | | |
| Water Use | | | | | | | | | | Impingement Remediation [Cooling rule] ~ | | | |
| Turbine Upgrade | | | | | | | | | | | | | |

Current, Projected, and Emerging Capital Expenditures to Current and Emerging Environmental Regulations

**Exhibit SC- (JIF-9)
Witness: Jeremy Fisher**

| | Previous Retrofits MPA & WY Rate Case | | | Current Case Retrofits Exhibit RMP_(SRM-3) 8.8.22 | | | Projected Retrofits Costs estimated | | | Emerging Retrofits Costs estimated | | | |
|----------------------|--|-------------|-------------|--|-------------|-------------|--|--|-------------|---------------------------------------|-------------|-------------|---------------|
| Jim Bridger 3 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | FGD Upgrade [BART] | | | | | | | | | |
| | | | | \$17.1 | | | | | | | | | |
| NO _x | LNB [BART] | | | | | | | SCR [BART] | | | | | |
| | | | | | | | | \$106.6 | | | | | |
| Particulates | | | | | | | | Baghouse [MACT] | | | | | |
| | | | | | | | | \$73.9 | | | | | |
| Mercury | | | | | | | | ACI [MACT] | | | | | |
| | | | | | | | | \$3.3 | | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] | | | | | |
| | | | | | | | | ~ | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] | | | | | |
| | | | | | | | | ~ | | | | | |
| Water Use | | | | | | | | Impingement Remediation [Cooling rule] | | | | | |
| | | | | | | | | ~ | | | | | |
| Turbine Upgrade | | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| Jim Bridger 4 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | FGD Upgrade [BART] | | | | | | | | | |
| | | | | | \$2.2 | | | | | | | | |
| NO _x | LNB [BART] | | | | | | | | SCR [BART] | | | | |
| | | | | | | | | | \$107.5 | | | | |
| Particulates | | | | | | | | Baghouse [MACT] | | | | | |
| | | | | | | | | \$74.3 | | | | | |
| Mercury | | | | | | | | ACI [MACT] | | | | | |
| | | | | | | | | \$3.3 | | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] | | | | | |
| | | | | | | | | ~ | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] | | | | | |
| | | | | | | | | ~ | | | | | |
| Water Use | | | | | | | | Impingement Remediation [Cooling rule] | | | | | |
| | | | | | | | | ~ | | | | | |
| Turbine Upgrade | | | | | | | | | | | | | |

Current, Projected, and Emerging Capital Expenditures to Current and Emerging Environmental Regulations

**Exhibit SC- (JIF-9)
Witness: Jeremy Fisher**

| | Previous Retrofits MPA & WY Rate Case | | | Current Case Retrofits Exhibit RMP_ (SRM-3) 8.8.22 | | | Projected Retrofits Costs estimated | | | Emerging Retrofits Costs estimated | | | |
|-----------------|--|------|------|---|-----------|-------|--|--------------------------------------|--------|--|------|------|--------|
| Hunter 1 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | FGD Upgrade [BART] | | | | | | | | | |
| | | | | | \$18.5 | | | | | | | | |
| NO _x | | | | | | | LNB [BART] | SCR [BART] | | | | | |
| | | | | | | | ~ | \$91.2 | | | | | |
| Particulates | | | | | | | Baghouse [BART] | | | | | | |
| | | | | | | | | | \$67.9 | | | | |
| Mercury | | | | | | | | ACI [MACT] | | | | | |
| | | | | | | | | | \$3.2 | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] | | | | | |
| | | | | | | | | | ~ | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] | | | | | |
| | | | | | | | | | ~ | | | | |
| Water Use | | | | | | | | | | Impingement Remediation [Cooling rule] | | | |
| | | | | | | | | | | ~ | | | |
| Turbine Upgrade | | | | | | | | | | | | | |
| Hunter 2 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | FGD Upgrade [BART] | | | | | | | | | |
| | | | | | \$33.9 | | | | | | | | |
| NO _x | | | | LNB [BART] | | | | SCR [BART] | | | | | |
| | | | | \$6.6 | | | | \$91.2 | | | | | |
| Particulates | | | | Baghouse [BART] | | | | | | | | | |
| | | | | | \$55.4 | | | | | | | | |
| Mercury | | | | | | | | ACI [MACT] | | | | | |
| | | | | | | | | | \$3.2 | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] | | | | | |
| | | | | | | | | | ~ | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] | | | | | |
| | | | | | | | | | ~ | | | | |
| Water Use | | | | | | | | | | Impingement Remediation [Cooling rule] | | | |
| | | | | | | | | | | ~ | | | |
| Turbine Upgrade | | | | Upgrade | | | | | | | | | |
| | | | | \$21.6 | | | | | | | | | |
| Hunter 3 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | | Wet Stack | | | | | | | | |
| | | | | | | \$3.1 | | | | | | | |
| NO _x | | | | | | | | SCR [BART] | | | | | |
| | | | | | | | | \$92.3 | | | | | |
| Particulates | | | | | | | | | | | | | |
| Mercury | | | | | | | | ACI [MACT] | | | | | |
| | | | | | | | | | \$3.2 | | | | |
| Coal Ash | | | | | | | | Coal Ash Remediation [CCR] | | | | | |
| | | | | | | | | | ~ | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] | | | | | |
| | | | | | | | | | ~ | | | | |
| Water Use | | | | | | | | | | Impingement Remediation [Cooling rule] | | | |
| | | | | | | | | | | ~ | | | |
| Turbine Upgrade | | | | | Upgrade | | | | | | | | |
| | | | | | \$28.7 | | | | | | | | |

Current, Projected, and Emerging Capital Expenditures to Current and Emerging Environmental Regulations

**Exhibit SC- (JIF-9)
Witness: Jeremy Fisher**

| | Previous Retrofits MPA & WY Rate Case | | | Current Case Retrofits Exhibit RMP_(SRM-3) 8.8.22 | | | | Projected Retrofits Costs estimated | | Emerging Retrofits Costs estimated | | | |
|---------------------|--|----------------------|---------------------|--|-------------|-------------|-------------|---|---|---------------------------------------|-------------|-------------|---------------|
| Huntington 1 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | FGD Upgrade [BART] | | | | | | | | | |
| | | | | \$40.6 | | | | | | | | | |
| NO _x | | | LNB [BART] \$9.5 | | | | | SCR [BART] \$87.6 | | | | | |
| Particulates | | Baghouse [BART] ~ | \$92.9 | | | | | | | | | | |
| Mercury | | | | | | | | ACI [MACT] \$3.2 | | | | | |
| Coal Ash | | | | | | | | | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] ~ | | | | | |
| Water Use | | | | | | | | | Impingement Remediation [Cooling rule] ~ | | | | |
| Turbine Upgrade | | | Upgrade \$29.1 | | | | | | | | | | |
| Huntington 2 | 2008 - | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 + |
| SO ₂ | | | | | | | | | | | | | |
| NO _x | | | | | | | | SCR [BART] \$87.6 | | | | | |
| Particulates | | | | | | | | | | | | | |
| Mercury | | | | | | | | ACI [MACT] \$3.2 | | | | | |
| Coal Ash | | | | | | | | | | | | | |
| Effluent | | | | | | | | Effluent Remediation [Effluent rule] ~ | | | | | |
| Water Use | | | | | | | | | Impingement Remediation [Cooling rule] ~ | | | | |
| Turbine Upgrade | | | | | | | | | | | | | |