

8. Integration and Implementation Plan

As an integrated energy services company, GMP is partnering with other companies, non-profits, and our policy makers to offer our customers an expanding array of choices. Reliable, low-cost, and low-carbon energy service is the foundation. Innovative, cost-saving customer programs combined with more renewable and distributed energy resources is the destination, and the following table summarizes the activities that GMP is planning to pursue as a result of the 2014 integrated planning process.

Table 8.1 Implementation Plan

| Functional Area | Activity |
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| <p>Energy Innovation</p> | <p>Develop an integrated array of cost-saving customer programs that meet a range of customer energy service needs for HVAC, hot water, home automation, and transportation.</p> <ul style="list-style-type: none"> • Offer ductless mini-split heat pump leases to the entire customer base. • Offer grid-enabled and/or heat pump water heater leases to the entire customer base. • Offer smart home and electric vehicle charging programs to the entire customer base. |
| <p>Generation</p> | <p>Increase long-term ownership of cost-effective renewable energy sources such as hydro, solar and wind.</p> <ul style="list-style-type: none"> • Complete construction of the Stafford Hill project. • Construct and/or acquire new wind and solar generation to fulfill the 2017 SPEED goal. • Acquire existing renewable generation as opportunities arise, to help fulfill Vermont’s Total Renewable Targets. |
| <p>Government Affairs</p> | <p>Advocate for cost-competitive and customer-focused renewables policies that:</p> <ul style="list-style-type: none"> • Continue to encourage investment in cost-competitive new renewable energy projects. • Enable full and fair participation in regional REC markets. • Create flexibility to fulfill renewable policy goals with both new and existing resources. |
| <p>Power Supply</p> | <p>Maintain a low-cost, low-carbon and reliable power supply.</p> <ul style="list-style-type: none"> • Develop, sign and seek regulatory approval for new long-term PPAs to fulfill the 2017 SPEED goal. • Arrange market purchases of RECs to help fulfill the 2017 Total Renewables Targets. • Hedge GMP’s forecasted energy requirements for up to five years in advance, using layered market purchases. • Seek bilateral capacity purchases to hedge forecasted capacity requirements three years in advance of the operating year, using layered capacity market purchases of up to five years with opportunistic longer-term purchases. |
| <p>Transmission & Distribution</p> | <p>Plan for a more efficient and intelligent grid that enables greater customer participation, distributed resources and renewable generation.</p> <ul style="list-style-type: none"> • Prepare the grid for greater penetration of distributed resources by piloting energy storage, controlled EV charging, sensing and measurement equipment, advanced analytics and controls, power electronics, and telecommunications technologies. • Maximize use of the AMI and NMS to identify opportunities where efficiency and distributed resources can address system constraints during the planning process. |