CLAIMS:

1. A steam effect nozzle for an entertainment venue, the steam effect nozzle comprising:

a housing section configured to receive a fluid having a mixture of steam and liquid condensate;

a plurality of baffles disposed in the housing section and configured to separate the steam of the fluid from the liquid condensate of the fluid, enable the steam to travel from a first end wall of the housing section to a second end wall of the housing section, and bias the liquid condensate of the fluid toward a sloped lower surface of the housing section, the sloped lower surface sloping downwardly from the second end wall toward the first end wall;

a nozzle outlet adjacent to the second end wall of the housing section, wherein the nozzle outlet is configured to output the steam to an external environment; and

a steam outlet section coupled to the second end wall and having the nozzle outlet formed therein, wherein the steam outlet section is configured to receive the steam from the housing section and output the steam through the nozzle outlet to the external environment,

wherein a baffle of the plurality of baffles is coupled to the sloped lower surface, and a top of the baffle is disposed lower than a bottom of the steam outlet section relative to a gravity vector.

2. The steam effect nozzle of claim 1, comprising a condensate outlet section coupled to the housing section, wherein the condensate outlet section is configured to receive the liquid condensate from the sloped lower surface and drain the liquid condensate from the housing section.

3. The steam effect nozzle of claim 1, comprising an inlet section coupled to the first end wall of the housing section, wherein the inlet section is configured to receive the fluid and pass the fluid to the housing section.

4. The steam effect nozzle of claim 1, wherein the baffle comprises a passage therethrough adjacent to the sloped lower surface, and wherein the passage is configured to enable the liquid condensate to flow from a first side of the baffle facing the second end wall, through the passage, and to a second side of the baffle facing the first end wall.

5. The steam effect nozzle of claim 1, comprising a steam outlet section coupled to the second end wall and having the nozzle outlet formed therein, wherein the steam outlet section is configured to receive the steam from the housing section and output the steam through the nozzle outlet to the external environment, and wherein a top of the baffle is disposed lower than a bottom of the steam outlet section relative to a gravity vector.

6. The steam effect nozzle of claim 1, wherein the housing section comprises an asymmetric truncated cone shape or a trapezoidal prism shape.

7. The steam effect nozzle of claim 1, wherein the sloped lower surface forms an obtuse angle with the second end wall.

8. The steam effect nozzle of claim 1, comprising:

an inlet section configured to receive the fluid, wherein the housing section is fluidly coupled to the inlet section at the first end wall of the housing section; and

a condensate outlet section extending from the housing section adjacent to the first end wall of the housing section, wherein the condensate outlet section is configured to drain the liquid condensate from the housing section.

9. The steam effect nozzle of claim 8, wherein the housing section comprises a sloped lower surface forming an obtuse angle with the second end wall, and wherein the sloped lower surface slopes downwardly from the second end wall to the condensate outlet section.

10. The steam effect nozzle of claim 9, wherein a baffle of the plurality of baffles is coupled to the sloped lower surface.

11. The steam effect nozzle of claim 8 , wherein the baffle is disposed closer to the steam outlet section than the condensate outlet section.

12. The steam effect nozzle of claim 10, comprising a fluid passage formed in the baffle adjacent to the sloped lower surface and configured to enable the liquid condensate to flow from a first baffle side of the baffle facing the second end wall, through the fluid passage, and to a second baffle side of the baffle facing the first end wall.

13. The steam effect nozzle of claim 10, wherein a top of the baffle is positioned lower than a bottom of the steam outlet section relative to a gravity vector.

14. A steam output system for an entertainment venue, the steam output system comprising:

a steam generation and transport assembly comprising a steam effect valve and configured to generate a fluid having a mixture of steam and liquid condensate;

a steam effect nozzle according to any of claims 1-13 coupled to the steam generation and transport assembly downstream from the steam effect valve relative to a flow of the fluid,

a controller having a processor and a memory, the memory storing instructions thereon that, when executed by the processor, cause the controller to:

block the flow of the fluid toward the steam effect nozzle such that a pressure of the fluid is increased; and

enable the flow of the fluid into the steam effect nozzle such that the pressure of the fluid biases the fluid through the steam effect nozzle.

15. The steam output system of claim 14, comprising a boiler configured to heat liquid water to generate the fluid having the mixture of the steam and the liquid condensate.

16. The steam output system of claim 14, wherein the controller is configured to enable the flow of the fluid into the steam effect nozzle based on a schedule stored to the memory of the controller.

17. The steam output system of claim 16, wherein the controller is configured to control a lighting effect coordinated via the schedule stored to the memory of the controller.

18. The steam output system of claim 14, wherein the steam effect nozzle comprises a sloped lower surface that slopes downwardly, relative to the gravity vector, toward a condensate outlet section of the steam effect nozzle, wherein the sloped lower surface is configured to guide the liquid condensate into the condensate outlet section.