



## **Specific Items Requested and Justification**

For each item we are requesting, the information below will explain what the expenditure was and explain the relationship between development and the need for the expenditure.

### **1. Simtable**

- a. Definition of the Expenditure: A Simtable allows the Department to create our own emergency scenarios with customized agent-based models for wildfire, flood, evacuation, storms, airborne particulates, as well as biological and ecological behaviors, based on our community's data. This is a training and public emergency education tool.
- b. Relationship to Development and Need for Expenditure: New development creates increased numbers of residents and visitors. As the number of residents and visitors increase, the risk and frequency of emergencies also increases. This increases demand on the fire department to provide services, train our firefighters and to provide public education.

In addition, in El Dorado Hills, there are many new communities and development that sits in the wildland urban interface. This development has an increased risk of wildfire danger. Training for wildfire evacuations and large-scale emergency response is critical to serving this new population.

This item is included as part of the "Training Facility" line item on the Nexus Study.

### **2. Mobile Data Computer Antennas (10) and Mobile Data Computers (2 itemized requests)**

- a. Definition of the Expenditure: A mobile data computer is a rugged computer with a keyboard that is mounted inside emergency fire apparatus that provides Firefighters with immediate access to emergency scene call locations, routing/mapping, communications with the Emergency Communications Center, etc.
- b. Relationship to Development and Need for Expenditure: New development creates increased numbers of residents and visitors, new streets, new access restrictions (such as electronic gates), and new building pre-incident plans. As the number of residents and visitors increase, the risk and frequency of emergencies also increases. This increases demand on the fire department to provide emergency scene call locations, routing/mapping, communications with the Emergency Communications Center, etc.

This item is included as part of the "Dispatch and Communication Infrastructure Improvements" line item on the Nexus Study.

### **3. EDH Fire Training Facility (4 itemized requests)**

- a. Definition of the Expenditure: The EDH Fire Department has been in progress of designing a new Training Facility for many years. The project is almost ready for phase 1 construction of a dedicated training site located in the EDH Fire Business Park. All items requested directly relate to the construction of the new and expanded facility.

- b. Relationship to Development and Need for Expenditure: New development creates increased numbers of residents and visitors, new subdivisions, new types of complex buildings (such as multi-story assisted living facilities), etc. As the number of residents and visitors increase and new buildings are constructed, the risk, frequency and complexity of emergencies also increases. This increases demand on the fire department to train its Firefighters to mitigate these emergencies.

This item is included as part of the “Training Facility” line item on the Nexus Study

4. **Engine 8578 – New Pierce Type 1 Engine (3 itemized requests)**

- a. Definition of the Expenditure: The EDH Fire Department purchased a new Pierce Type 1 engine to replace a current fire engine.
- b. Relationship to Development and Need for Expenditure: New development creates increased numbers of residents and visitors, new subdivisions, new types of complex buildings (such as multi-story assisted living facilities), etc. As the number of residents and visitors increase and new buildings are constructed, the risk, frequency and complexity of emergencies also increases. This increases demand on the fire department to have apparatus specifically capable to support emergency scene operations in these new buildings. Also, the frequency of emergencies increases. In accordance with the Nexus study, replacement of existing apparatus, vehicles and equipment are 26.5% development fee funded.

5. **Prevention Vehicle 8540 – New Prevention Vehicle (4 itemized requests)**

- a. Definition of the Expenditure: The EDH Fire Department purchased a new Ford Explorer to replace a current Fire Prevention vehicle.
- b. Relationship to Development and Need for Expenditure: New development creates increased numbers of residents and visitors, new subdivisions, new types of complex buildings (such as multi-story assisted living facilities), etc. As the number of residents and visitors increase and new buildings are constructed, work on the Fire Prevention Division also increases. This includes inspecting new construction buildings and subdivision both during and after the building process. This increases demand on the fire department to have apparatus capable to support Prevention operations in these new buildings and subdivisions. In accordance with the Nexus study, replacement of existing apparatus, vehicles and equipment are 26.5% development fee funded.

6. **2018 Chevy Tahoe SSV 4x4 – New Fire Chief Vehicle**

- a. Definition of the Expenditure: The EDH Fire Department purchased a new 2018 Chevy Tahoe SSV 4x4 to replace a current Fire Chief vehicle.
- b. Relationship to Development and Need for Expenditure: New development creates increased numbers of residents and visitors, new subdivisions, new types of complex

buildings (such as multi-story assisted living facilities), etc. As the number of residents and visitors increase and new buildings are constructed, staff response to emergency incidents also increases. This new Fire Chief vehicle includes a drone launching platform designed to expand fire department operations in new areas. In accordance with the Nexus study, replacement of existing apparatus, vehicles and equipment are 26.5% development fee funded.

7. **Holmatro GTR EVO Combi Tool, Cutter and Ram (3 itemized requests)**

- a. Definition of the Expenditure: The Holmatro GTR extrication equipment are three battery powered extrication tools (a Combi tool, cutter and a extension ram).
- b. Relationship to Development and Need for Expenditure: New development creates increased numbers of residents and visitors in our community and increases the number of vehicles using the roadways. Increased vehicle traffic leads to increased frequency of traffic collisions. When vehicles are involved in a traffic collision, it is common for citizens to become entangled in the metal of their vehicles. We use these extrication tools to physically extricate people from the metal that entangles their bodies. In accordance with the Nexus study, replacement of existing apparatus, vehicles and equipment are 26.5% development fee funded.

8. **Pierce Engine Tooling Hardware**

- a. Definition of the Expenditure: The EDH Fire Department purchased a new Pierce Type 1 engine to replace a current fire engine. The tooling hardware was the mounting brackets needed to mount the new and expanded equipment.
- b. Relationship to Development and Need for Expenditure: New development creates increased numbers of residents and visitors, new subdivisions, new types of complex buildings (such as multi-story assisted living facilities), etc. As the number of residents and visitors increase and new buildings are constructed, the risk, frequency and complexity of emergencies also increases. This increases demand on the fire department to have equipment mounted in apparatus compartments to support emergency scene operations in these new buildings. Also, the frequency of emergencies increases. In accordance with the Nexus study, replacement of existing apparatus, vehicles and equipment are 26.5% development fee funded.